SAMPLING AND ANALYSIS PLAN FOR THE UPPER PONDS SUB-AREA

BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

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I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state and local statutes, regulations and ordinances. I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

April 14, 2009

Dr. Ranajit Sahu, C.E.M. (No. EM-1699, Exp. 10/07/2009) Date
BRC Project Manager

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ACRONYMS AND ABBREVIATIONS

AOC3	Settlement Agreement and Administrative Order on Consent: BMI Common Areas, Phase 3
APA	air pathway analysis
ATSDR	Agency for Toxic Substances and Disease Registry
BCL_{GW}	Basic Comparison Levels for residential water
BCL_{LS}	Basic Comparison Levels for protection of groundwater
BCL_{RS}	Basic Comparison Levels for residential soil
bgs	below ground surface
BRC	Basic Remediation Company
CAMU	Corrective Action Management Unit
CAP	Corrective Action Plan
COPC	chemical of potential concern
CSM	conceptual site model
DAF	dilution attenuation factor
DQA	data quality assessment
DQOs	data quality objectives
DVSR	Data Validation Summary Report
ECI	Environmental Conditions Investigation
ERM	ERM-West, Inc.
FSSOP	Field Sampling and Standard Operating Procedures
ft/ft	foot per foot
HSA	Hollow Stem Auger
IRMs	interim remedial measures
MCL	Maximum Contaminant Level
NDEP	Nevada Division of Environmental Protection
NFAD	no further action determination
PAH	polynuclear aromatic hydrocarbon
PCB	polychlorinated biphenyl
ppt	parts per trillion
PSQs	Principal Study Questions
QA/QC	Quality Assurance/Quality Control
Qal	Quaternary alluvium
QAPP	Quality Assurance Project Plan
RAP	Remedial Action Plan
RIBs	rapid infiltration basins
SAP	Sampling and Analysis Plan
SOP	Standard Operating Procedure
SPLP	synthetic precipitation leaching procedure
SRC	Site-related chemicals
SVOC	semi-volatile organic compound
TDS	total dissolved solids
TEQ	toxic equivalency
TPH	total petroleum hydrocarbons
UCL	upper confidence limit

ACRONYMS AND ABBREVIATIONS

UMCf	Upper Muddy Creek formation
USEPA	U.S. Environmental Protection Agency
VI SL	Vapor Intrusion Screening Level
VOCs	volatile organic compounds
WRF	Wastewater Reclamation Facility

1.0 INTRODUCTION

Basic Remediation Company (BRC) has prepared this Sampling and Analysis Plan (SAP) for the Upper Ponds sub-area. The SAP describes tasks for performance of confirmation sampling in order to obtain a no further action determination (NFAD) for this area. The term NFAD is defined in the *Settlement Agreement and Administrative Order on Consent: BMI Common Areas, Phase 3* (AOC3; Nevada Division of Environmental Protection [NDEP] 2006) in Section XVII. This revision of the SAP, Revision 1, incorporates comments received from the NDEP, dated March 23, 2009, on Revision 0 of the Upper Ponds SAP, dated March 2009. The NDEP comments and BRC's response to these comments are included in Appendix A. Also included in Appendix A is a redline/strikeout version of the text showing the revisions from the March 2009 version of the SAP. An electronic version of the entire report, as well as original format files (MS Word and MS Excel) of all text and tables are included in Appendix B.

The Upper Ponds sub-area (hereinafter "the Site") is one of several sub-areas of the BMI Common Areas (Eastside) located in Clark County, Nevada (Figure 1). The Site encompasses an area of approximately 283.3 acres[1] (Figure 2). The Site includes unlined wastewater effluent evaporation/infiltration ponds (and associated conveyance ditches) that were built and into which various plant wastewaters were discharged from 1942 through 1976. The Site also includes land that appears to have had no historical use. This SAP relies upon information provided in the *BRC Closure Plan* for the BMI Common Areas (BRC *et al*. 2007; hereinafter "Closure Plan"). The main text of the Closure Plan provides discussions of the following elements relative to the BMI Common Areas project as a whole:

- The project history, including cleanup goals and project objective (Closure Plan Sections 1 and 2);
- The list of site-related chemicals (Closure Plan Section 3);
- The conceptual site model (CSM) addressing potential contaminant sources, the nature and extent of chemical of potential concern (COPC) occurrence, and potential exposure pathways (Closure Plan Section 4; a CSM discussion specific to the Site is provided in Section 2 of this SAP);

[1] This acreage estimate reflects a change from that presented in the Closure Plan (284.5 acres) that has resulted from the revision of site boundaries that occurred subsequent to Closure Plan finalization.

- Data verification and validation procedures (Closure Plan Section 5);
- The procedures used to evaluate the usability and adequacy of data for use in the risk assessment (Closure Plan Sections 6 and 9);
- The data quality objectives (DQOs; Closure Plan Section 7; a DQO discussion specific to the Site is provided in Section 3 of this SAP);
- The remedial alternative study process for the Site (Closure Plan Section 8);
- Risk assessment procedures that will be used for Site closure (Closure Plan Section 9 for human health and Section 10 for ecological); and
- Data quality assessment (DQA; Closure Plan Section 5).

For certain areas within the BMI Common Areas remediation is planned based on existing Site data, and will be performed prior to conducting the site characterization activities proposed under this SAP; however, none is planned for this Site other than clearing of obvious contamination (*e.g.*, burn pits, stained soil, abandoned vehicles, and other debris). These clearing activities will occur prior to implementing the procedures described in this SAP. The following data gaps associated with the existing Site characterization have been identified: many of the previous samples were composite samples; most of the previous soil samples from within the uppermost 10 feet below ground surface (bgs) were collected at least seven years ago; few of the previous samples have been analyzed for all of the major chemicals or chemical families and several analyses used different analytical methods than established in the current analytical program for the BMI Common Areas; and spatial coverage of the Site is incomplete.

Therefore, because of these various factors, risk assessments for the Site will be conducted using the data collected as part of this SAP, which has been designed to produce data representative of the conditions to which current or future users would be exposed. The need for remediation will be primarily based on these data, which represent a more robust sampling coverage than employed during the historical sampling events and can thus be more reliably used to delineate areas requiring remediation. Validated, reliable historical data will be used as appropriate to augment the dataset derived from the SAP activities.[2] However, because the historical data

[2] Only those historical data that are representative of the conditions to which current or future users would be exposed (*i.e.*, excluding data associated with soils subsequently removed from the Site) and pass a data usability evaluation will be included in the risk assessment for the Site.

represent incomplete coverage for certain constituents and will be redundant for others after implementation of this SAP, BRC anticipates that the historical data will not generally be included in the risk assessment. However, a data usability evaluation will be conducted to determine whether any of the historical data can or should be used in the risk assessment or it will be explained why the new data supplants the old data. These historical data are useful for CSM purposes and are discussed in Section 2.0.

Sampling performed as described in this SAP relies on the statistical methodologies presented in the *Statistical Methodology Report* (NewFields 2006). The Statistical Methodology Report describes the statistical methods that will be used to confirm the final soils closure at each of the Eastside sub-areas of the BMI Common Areas.

The SAP presents sampling procedures that will be performed to assess current site conditions in order to determine what the potential impacts from chemicals present in site soils are to future Site users. In this SAP, as recommended in the Statistical Methodology Report, samples will be collected throughout the Site on a systematic sampling basis, consisting of a regular 3-acre grid overlay across the property with a randomly placed sample within each grid cell to provide enough samples for completion of a statistically robust assessment of contaminant distribution, and subsequently, to provide a robust dataset upon which to perform a human health risk assessment. Additional biased sampling locations will be selected within or near small-scale contamination points of interests, including but not limited to previous debris locations, ponds, berm walls, and the conveyance ditches.

1.1 PURPOSE OF THE SAP

The purpose of this SAP is to evaluate soil and soil vapor conditions (including any indirect impacts from underlying groundwater) that may have been impacted at the Site from former activities and adjoining lands. The scope of this investigation is limited to soil and soil vapor flux sampling in an effort to assess issues that might directly impact Site development potential consistent with the Closure Plan. However, the data will be used to determine any impacts to groundwater from future site uses. That is, data will be collected to evaluate the soil-to-groundwater leaching pathway. The objective of the field investigation is to identify and characterize the distribution of Site-related chemicals (SRCs) such that the potential impacts from chemicals present in site soils to future Site uses can be determined through risk assessment. Surface and subsurface samples that will be collected are depth-discrete soil matrix samples and surface vapor flux samples. Although this SAP does include data collection for

evaluating groundwater as a potential source to the vapor intrusion pathway, it does not address potential groundwater issues, which are being investigated separately by BRC pursuant to AOC3 (NDEP 2006) as part of an overall evaluation of the BMI Common Areas. The investigation is designed to provide sufficient data to support risk-based decisions (including decisions to seek an NFAD) for the Site. The NFAD for the Site will contain a deed restriction precluding potable use of groundwater beneath the Site.

2.0 CONCEPTUAL SITE MODEL

The following sections provide information about the Site, previous investigations that have been conducted at the Site, interim remedial measures (IRMs) that have occurred, and the existing Site dataset. An overview of the CSM for the Site is provided in the Closure Plan. Consistent with the structure of prior SAPs, this section includes a summary of the investigations performed at the Site during the following primary project phases: prior to IRM performance (Section 2.4); during or immediately following any IRMs (Section 2.6); and subsequent to IRM performance (Section 2.7).

2.1 SITE DESCRIPTION

The Site (Figure 2) is approximately 283.3 acres in size, and is gently sloping to the northeast. The Site contains unlined wastewater effluent evaporation/infiltration ponds and associated conveyance ditches[3] that were once associated with historical conveyance and/or disposal of operations effluent and cooling water by companies operating at the BMI Complex. These ponds are located across the majority of the Site (approximately 247.8 acres, representing 87 percent of the Site). The individual ponds (approximately 2 to 6 acres in size) are distinct and defined by berms along the north, east, and west sides. In general, the berms are relatively uniformly-shaped, often with angular corners showing little evidence of erosion. The berms are typically four to six feet tall. The remaining (non-pond) 35.5 acres of the Site are associated with the following:

- A portion of a former effluent conveyance ditch (the Alpha Ditch) that passes along the western edge of the Site (Figure 1);
- A second former effluent conveyance ditch (the Beta Ditch) that transects the Site (Figure 1); and

[3] The Closure Plan and historical documents associated with the BMI Common Areas distinguish two primary sets of ponds in the Common Areas that are associated with historical conveyance and/or disposal operations: the "Upper Ponds" and the "Lower Ponds". The pond row labels shown on Figure 1 distinguish between the two; the 18 rows of Upper Ponds are labeled with a "U" followed by a letter (A through R) and the ten rows of Lower Ponds are labeled with an "L" followed by a letter (A through J). The Upper Ponds are the basis of the name applied to the Upper Ponds sub-area; but the Upper Ponds sub-area does not encompass the all of the Upper Ponds, rather only the northern half of the Upper Ponds, which had little to no historical usage (the southern portion of the Upper Ponds are within the First Eight Rows [Phases I and II], TIMET Ponds, and Spray Wheel sub-areas). The Lower Ponds are located further north on the BMI Common Areas, within the Western Hook-Development and Western Hook-Open Space sub-areas, and were previously located within the footprint of the City of Henderson WRF prior to its construction, during which they were regraded.

- Undeveloped acreage located east of effluent evaporation/infiltration pond rows "UH" through "UL" (Figure 1); this portion of the Site contains no significant features and has no known historical uses.

As seen on Figures 1 and 2, the Utility Corridor sub-area transects the Site and then runs along western boundary of the Site adjacent to the Sunset North sub-area. The Utility Corridor sub-area consisting of a 50-foot wide ditch, which passes through the Staging, First Eight Rows, Spray Wheel, and Upper Ponds sub-areas. The Utility Corridor sub-area includes the length of the sewer alignment excavation north of Parcel 4B until it meets up with the tie-in location at the City of Henderson Water Reclamation Facility (WRF) at the northern boundary of the Site (see Figure 1). The Utility Corridor sub-area was defined subsequent to the final BRC Closure Plan to allow expedited characterization and remediation in order to facilitate the installation of a new 48-inch sewer line along this alignment. An NFAD was received from NDEP for the Utility Corridor sub-area on January 8, 2009 for commercial or industrial land use for site soils above 10 feet below ground. Detailed discussions and data presentation/review for the Utility Corridor sub-area are presented in the *Data Review and Human Health Risk Assessment for the Utility Corridor Sub-Area* (BRC 2009, in revision).

The Site was undeveloped desert land until the construction of the effluent evaporation/infiltration ponds and associated conveyance ditches, into which various plant wastewaters were discharged from 1942 through 1976. Since that time, the Site has been vacant and unused. The native soils are compacted, poorly-sorted, non-plastic, light brown to red silty sand with varying amounts of gravel. Within individual effluent evaporation/infiltration ponds, surficial material consists of very fine material that grades in color from greenish-gray to light yellowish-brown; in places, the ground surface is white. This discolored material has been interpreted to be residual sediment associated with historic effluent disposal in the ponds. This material/discoloration is not generally present in the effluent evaporation/infiltration ponds contained within the Site. The lack of this material suggests limited use of these former ponds for historical wastewater discharge, which is further supported by historical aerial photographs that do not show evidence of sediments within the ponds. A light-colored surficial residue is present in localized areas within former ponds in the central and western portion of the Site, immediately adjacent to the Spray Wheel sub-area; this residue is presumed to be associated with former Spray Wheel operations. The Spray Wheel sub-area is the former site of an evaporative agricultural-type mechanism used for the evaporative disposal of aqueous salt waste. The Spray Wheel was operated by TIMET from 1983 to 1991.

Exposures to current receptors (*i.e.*, trespassers/visitors, occasional on-site workers, and off-site residents) are being managed through site access control. Under the prospective redevelopment plan, the Site may be used for a variety of potential purposes. Residential land use (primarily low and medium density, with some high density) with roads, parks and trails interspersed, is currently planned for the majority of the site. Other planned land uses include school, retail/commercial and urban core, with associated roads and parking areas. The entire Site will be enhanced by restoration and redevelopment once remediation is complete. Therefore, exposures to ecological receptors will be mitigated or removed (see Section 10 of the Closure Plan). Future receptors identified as "on-site receptors" are defined as receptors located within the current Site boundaries (Figure 2), while future "off-site receptors" are those located outside the current Site boundaries. Many potential human receptors are possible at the Site in the period during and after redevelopment. The potentially exposed populations and their potential routes of exposure are discussed in Section 9 of the Closure Plan.

The current development plan for the Site is shown on Figure 3. To construct commercial facilities, the land will be cut and/or filled, paved with roads or foundations, and nurtured with imported soils from other areas within the Common Areas[4] as needed. Figure 4 shows the current grading plan for the Site, indicating which areas will be filled and which areas will be cut.

Because the background general water quality (*i.e.*, high salt concentrations) of the groundwater beneath the Site and in the surrounding area is poor and because BRC will place institutional controls in the form of a deed restriction to prevent future users from utilizing groundwater beneath the Site, the use of private water wells by residents, businesses, or parks for drinking water, irrigation water, or other non-potable uses (*e.g.*, washing cars, filling swimming pools) will not occur in the post-redevelopment phase.

Although direct exposures to groundwater will not occur; indirect exposures are possible. The primary indirect exposure pathway from groundwater is the infiltration of volatile organic compounds (VOCs) and radon from soil and groundwater to indoor air. In addition, residual levels of chemicals in soil may leach and impact groundwater quality beneath the Site. Collection of data to evaluate both of these migration pathways at the Site is presented in this SAP.

[4] Note: Imported soil data will not be included in risk assessment calculations. However, the chemical data for fill material from the Site may be useful for evaluating sub-areas to receive this fill (that is, imported fill that may be used at the Site will have been included in risk assessments for sub-areas where the fill was obtained).

The Site is surrounded on all sides but two (the west and the northeast) by Eastside sub-areas. The Site is bordered to the west by Pabco Road, beyond which is residential housing to the west. The Site is bordered to the north by property owned by Radio Nevada Corporation and the Tuscany development. The Galleria North sub-area (144 acres[5]) and the Sunset North Commercial sub-area (approximately 44.3 acres[6]) are immediately north of the Site. From west to east, the sub-areas adjacent to the site to the south are as follows: the TIMET Ponds sub-area (approximately 209.9 acres); the Spray Wheel sub-area (approximately 128.7 acres); and the First Eight Rows sub-area (approximately 203.7 acres for Phases I and II combined).[7] The Mohawk sub-area (approximately 54.7 acres) and a small portion of Parcel 4B are immediately to the east of the Site. Other nearby features of interest include:

- The City of Henderson Wastewater Reclamation Facility (WRF), which is associated with City water treatment operations, is approximately 450 feet north of the Site (separated by a strip of the Galleria North sub-area); and
- The Utility Corridor sub-area, which runs along the northwestern boundary of and transects the Site.

Chemicals detected in these sub-areas are similar to those found at the Site. The phased remediation schedule for the Eastside calls for the Galleria North, Sunset North Commercial, and Utility Corridor sub-areas to be remediated prior to the Site. Based on historical sampling, and as will be presented in the SAPs for the TIMET Ponds, Spray Wheel, and First Eight Rows sub-areas, soils in these three sub-areas contain chemicals at concentrations greater than those found at the Site and applicable comparison levels. Although remediation of these sub-areas is ongoing and scheduled to be finalized after remediation of the Site, impacts from these areas to the Site are considered negligible because dust suppression/mitigation measures and storm water pollution prevention controls are being implemented during remediation activities. These dust

[5] These acreage estimates reflect a change from those presented in the Closure Plan that has resulted from the revision of site boundaries that occurred subsequent to Closure Plan finalization. The Galleria North acreage has increased from the 136 acres presented in the Closure Plan, due in large part to the incorporation of part of the Sunset North Commercial sub-area. The Upper Ponds acreage has also decreased from the 284.5 acres presented in the Closure Plan.

[6] This acreage estimate reflects a change from the Closure Plan that has resulted from the revision of site boundaries that occurred subsequent to Closure Plan finalization. The Sunset North Commercial acreage has decreased from the 57.9 acres presented in the Closure Plan due to (1) a northern area being reassigned to the Galleria North sub-area, and (2) exclusion of the Nevada Power parcel within it.

[7] This delineation of two separate Phases and the associated acreage estimate reflect a change from the Closure Plan that has resulted from the revision of site boundaries that occurred subsequent to Closure Plan finalization. The First Eight Rows combined acreage has decreased from the 208.2 acres presented in the Closure Plan,

suppression controls are being implemented during the project remediation to comply with applicable air quality regulations and to impede the generation of airborne dust due to intrusive on-site activities. These control measures are discussed in detail in the *Corrective Action Plan* (CAP; BRC 2006). In addition, emission of particulate matter from the site are being monitored by BRC as described in the *Perimeter Air Monitoring Plan* (BRC 2008) to assess the effectiveness of these dust control measures. As noted in Section 2.8, below, analytical results for a 1,000-foot-radius around the Site (*i.e.*, extending into the adjacent sub-areas) are presented in the chemical occurrence figures in Appendix C.

2.2 SURFACE WATER

Surface water flow occurs for brief periods of time during periodic precipitation events. The nature of the unlined wastewater effluent evaporation/infiltration ponds and their construction currently serve to reduce overland transport of surface waters collected within the former Ponds area. Under current conditions, it is unlikely that contaminants in surface waters generated within the non-pond areas of the Site will migrate via overland transport to the Las Vegas Wash from the Site due to (1) the distance to the Wash (greater than one mile); (2) the intervening presence of the Weston Hills and Tuscany developments and northern rapid infiltration basins (RIBs) between the Site and the Wash; and (3) storm water controls at the City of Henderson WRF. However, the presence of the drainage ditches in the western and central portions of the Site suggests the current potential for rainfall to be carried from the Site to the Wash.

After development there will continue to be a low likelihood that contaminants in surface waters generated within the Site will migrate via overland transport to the Las Vegas Wash from the Site, because (1) the unlined wastewater effluent evaporation/infiltration ponds and associated conveyance ditches will have been removed; (2) the large distance to the Wash; (3) the intervening presence of other developed properties; (4) storm water controls at the City of Henderson WRF; and (5) storm water features as part of the future development of the Site.

2.3 GEOLOGY/HYDROGEOLOGY

As is common throughout the Las Vegas Valley, Site soils are primarily sand and gravel, with occasional cobbles. This is consistent with the depositional environment of an alluvial fan. The Site is located on alluvial fan sediments, with a surface that slopes to the north-northeast at a gradient of approximately 0.02 foot per foot (ft/ft) towards the Las Vegas Wash. Regional drainage is generally to the east.

The uppermost strata beneath the Site consist primarily of alluvial sands and gravels derived from the River Mountains and from the volcanic source rocks in the McCullough Range, located to the southeast and southwest of the Site, respectively. These uppermost alluvial sediments were deposited within the last two million years and are of Quaternary age, and are thus mapped and referred to as the Quaternary alluvium (Qal; Carlsen *et al*. 1991). The Qal is typically on the order of 30 to 50 feet thick at the Site with variations due, in part, to the non-uniform contact between the Qal and the underlying Upper Muddy Creek Formation (UMCf).

The UMCf underlies the Qal. The Muddy Creek formation, of which the UMCf is the uppermost part, is a lacustrine deposition from the Tertiary Age, and it underlies much of the Las Vegas Valley. It is more than 2,000 feet thick in places. The lithology of the UMCf underlying the Site is typically fine-grained (sandy silt and clayey silt), although layers with increased sand content are sporadically encountered. These UMCf materials have typically low permeability, with hydraulic conductivities on the order of 10^{-6} to 10^{-8} centimeters per second (Weston 1993). The UMCf in the vicinity of the Site was encountered at depths ranging from 30 feet to 60 ft bgs, and extending to the maximum explored depth of 400 feet bgs. Lithologic cross sections using Site-specific stratigraphic information are shown on Figures 5 and 6.

Two distinct, laterally continuous water-bearing zones are present within the upper 400 feet of the Site subsurface: (1) an upper, unconfined water-bearing zone primarily within the Qal (referred to as the Shallow Zone[8]), and (2) a deep, confined water-bearing zone that occurs in a sandier depth interval within the silts of the deeper UMCf (referred to as the Deep Zone). Between these two distinct water-bearing zones, a series of saturated sand stringers were sporadically and unpredictably encountered during drilling. This interval is referred to as the Middle Zone.

The Shallow Zone is an unconfined, shallower, water-bearing zone that occurs across the BMI Common Areas. Within the Site boundaries, water in the Shallow Zone occurs in the Qal. The water surface in the Shallow Zone generally follows topography, with the water surface sloping towards the Las Vegas Wash. According to recent groundwater monitoring performed in April-May 2008 (BRC and MWH 2008) the depth from the surface to first groundwater at the Site is approximately 50 feet bgs. Wells completed in the Shallow Zone are not highly productive, with sustainable flows typically less than five gallons per minute. Chemical occurrence within this

[8] Note: hydrogeologic and lithologic nomenclature is based on NDEP (2009a).

water-bearing zone, based on recent monitoring data associated with wells installed within and in the vicinity of the Site, is discussed in Section 2.9.[9]

Groundwater seeps currently exist at various locations within the Common Areas near the Las Vegas Wash. Although no seeps currently exist within the Site, they may have occurred in the past. However, an evaluation of historical aerial photos taken between 1964 and 1970 indicates that seeps have historically appeared to the north of the Site (in the Western Hook-Open Space, Galleria North, and Sunset North Commercial sub-areas), and at nearby off-site locations, but not in the Site itself. Figure 7 shows the extent of historical seeps in the vicinity of the Site. Evidence of seeps was not observed in aerial photographs after 1972. The extent to which these former seeps historically affected contaminant transport (*e.g.*, by means of enhanced surface water transport to the Wash or upward migration into overlying soils) is unknown.

2.4 HISTORICAL SITE INVESTIGATIONS PRIOR TO IRM PERFORMANCE

Shallow soil samples were collected within the Site prior to April 2000 (*i.e.*, initiation of IRM activities) during the following separate events (see Figure 2 for sample locations; sample locations are differentiated between pre and post-IRM.; the results of these field sampling events are summarized in the database excerpt provided in Appendix B):

- The BMI Common Areas Environmental Conditions Investigation (ECI) conducted during March and April 1996 (dataset 1a). The soil investigation activities were performed in accordance with a work plan approved by NDEP in February 1996 (ERM 1996a). The soil sampling results for the investigation activities were presented in the ECI report (ERM 1996b), which was approved by NDEP in March 1997. Data validation results are presented in the Data Validation Summary Report (DVSR) for dataset 1a (ERM 2006a), which was approved by NDEP on September 12, 2006;

- Supplemental soil investigation conducted in October 1999 (dataset 6d) in the Upper Ponds. These data were not collected under a formal NDEP-approved work plan. Data validation

[9] Chemical occurrence in both the shallow and deep water-bearing zones beneath the Eastside and CAMU areas is currently being characterized under a process separate from the Closure Plan process under which this SAP has been prepared, which focuses on site soils. This SAP summarizes chemical occurrence trends in the shallow water-bearing zone, which is more likely to affect potential users under current and future land uses. A more detailed presentation of chemical occurrence patterns within both zones will be provided upon completion of the on-going groundwater investigation, and the CSM for the Eastside and CAMU areas will be updated accordingly.

results are presented in the DVSR for dataset 6d (ERM 2006b), which was approved by NDEP on October 10, 2006; and

- Additional soil sampling conducted in March 2000 within the discolored soils in former pond PUO-07 (dataset 7d). These data were not collected under a formal NDEP-approved work plan. The results were summarized in the IRM Completion Report (ERM 2000), which has not been approved by NDEP. Data validation results are presented in the DVSR for dataset 7d (ERM 2006c), which was approved by NDEP on September 14, 2006.

During these investigations, soil samples at various depths were collected and analyzed for VOCs, semi-volatile organic compounds (SVOCs), polynuclear aromatic hydrocarbons (PAHs), organochlorine pesticides, polychlorinated biphenyls (PCBs), metals, perchlorate, and/or radionuclides. The results of these field sampling events are summarized in the database excerpt provided in Appendix B. As seen on Figure 2, the majority of these samples were composite samples.

The following compounds were detected in soils collected during the sampling events listed above at concentrations greater than NDEP (2009b) Basic Comparison Levels for residential soil (BCL_{RS}) or for protection of groundwater (BCL_{LS}; dilution attenuation factor [DAF] = 1):

Site-Related Chemical	Location	Depth	Maximum Background	BCL_{RS}	BCL_{LS}	Concentration
alpha-BHC	PUJ-14	1	--	0.09	**0.00003**	0.0043
	PUM-06	1	--	0.09	**0.00003**	0.0023 J+
Antimony	PUH-02	0	**0.5**	31.3	**0.3**	0.66 J-
	PUH-03	1	**0.5**	31.3	**0.3**	0.93 J-
	PUH-06	1	**0.5**	31.3	**0.3**	7.1
	PUI-07	0	**0.5**	31.3	**0.3**	0.58
	PUO-07BSSE	0.5	**0.5**	31.3	**0.3**	*31*
		1.5	**0.5**	31.3	**0.3**	*0.54*
	PUO-07BSSW	0.5	**0.5**	31.3	**0.3**	*1.6*
Aroclor 1254	PUO-07BSSE	0.5	--	**0.22**	--	*11 J-/J+*
	PUO-07BSSW	0.5	--	**0.22**	--	*1.4 J-/J+*
Arsenic	ADB-04	1	**7.2**	**0.39**	**1**	*7.9 J-*
	BDB-19	1	**7.2**	**0.39**	**1**	*39*
		5	7.2	**0.39**	**1**	6.3
	PUH-01	1	**7.2**	**0.39**	**1**	11
	PUH-02	1	7.2	**0.39**	**1**	5.7
		5	7.2	**0.39**	**1**	5.2
	PUH-03	1	7.2	**0.39**	**1**	6.7
	PUH-04	0	7.2	**0.39**	**1**	4.6
	PUH-05	1	7.2	**0.39**	**1**	5.7

Site-Related Chemical	Location	Depth	Maximum Background	BCL_{RS}	BCL_{LS}	Concentration
	PUH-06	1	**7.2**	**0.39**	**1**	25
	PUI-01	1	**7.2**	**0.39**	**1**	9.1
	PUI-02	1	**7.2**	**0.39**	**1**	9.5
	PUI-03	1	**7.2**	**0.39**	**1**	13
	PUI-04	1	**7.2**	**0.39**	**1**	11
	PUI-05	1	7.2	**0.39**	**1**	6
	PUI-06	1	7.2	**0.39**	**1**	3.7
	PUI-07	0	7.2	**0.39**	**1**	6.1
	PUI-12	0	7.2	**0.39**	**1**	2.6
	PUI-13	1	7.2	**0.39**	**1**	4
	PUI-14	1	7.2	**0.39**	**1**	3.5
	PUJ-01	1	7.2	**0.39**	**1**	7.1
	PUJ-02	0	7.2	**0.39**	**1**	4.4
	PUJ-03	1	**7.2**	**0.39**	**1**	7.3
	PUJ-04	1	**7.2**	**0.39**	**1**	17
	PUJ-05	1	7.2	**0.39**	**1**	4.2
	PUJ-06	1	**7.2**	**0.39**	**1**	13
	PUJ-13	1	7.2	**0.39**	**1**	3.1
	PUJ-14	1	7.2	**0.39**	**1**	3.2
		5	7.2	**0.39**	**1**	4
	PUK-01	1	7.2	**0.39**	**1**	6.4
	PUK-02	1	7.2	**0.39**	**1**	3.6
		5	7.2	**0.39**	**1**	3.1
	PUK-03	1	**7.2**	**0.39**	**1**	12
	PUK-04	1	**7.2**	**0.39**	**1**	7.8
	PUK-05	1	**7.2**	**0.39**	**1**	15
	PUK-06	1	7.2	**0.39**	**1**	5.4
	PUK-12	1	7.2	**0.39**	**1**	3.2
	PUK-13	1	7.2	**0.39**	**1**	3.4
	PUL-01	1	**7.2**	**0.39**	**1**	8.7
	PUL-02	1	**7.2**	**0.39**	**1**	9.1
	PUL-03	1	7.2	**0.39**	**1**	4.1
		5	7.2	**0.39**	**1**	5.6
	PUL-04	1	7.2	**0.39**	**1**	4.9
	PUL-09	1	7.2	**0.39**	**1**	3
		5	7.2	**0.39**	**1**	4.8
	PUL-10	1	7.2	**0.39**	**1**	3.8
	PUL-11	1	7.2	**0.39**	**1**	3.4
	PUM-02	1	**7.2**	**0.39**	**1**	7.9
	PUM-03	1	7.2	**0.39**	**1**	5.6
	PUM-04	1	**7.2**	**0.39**	**1**	8.4
	PUM-05	1	7.2	**0.39**	**1**	5.7
	PUM-06	1	**7.2**	**0.39**	**1**	14
		5	7.2	**0.39**	**1**	3.2
	PUM-09	1	7.2	**0.39**	**1**	3

Site-Related Chemical	Location	Depth	Maximum Background	BCL_{RS}	BCL_{LS}	Concentration
	PUM-10	1	7.2	**0.39**	**1**	2.9
	PUM-11	1	7.2	**0.39**	**1**	3.3
	PUN-04	1	**7.2**	**0.39**	**1**	7.4
	PUN-05	1	**7.2**	**0.39**	**1**	16
	PUN-06	1	**7.2**	**0.39**	**1**	40
	PUO-06	1	**7.2**	**0.39**	**1**	17
	PUO-07BSSE	0.5	**7.2**	**0.39**	**1**	*3900*
		1.5	**7.2**	**0.39**	**1**	*26*
	PUO-07BSSW	0.5	**7.2**	**0.39**	**1**	*270*
		1.5	**7.2**	**0.39**	**1**	*12*
Barium	ADB-04	1	836	15600	**82**	*240*
		5	836	15600	**82**	440
	ADB-05	1	836	15600	**82**	*160*
	BDB-19	1	836	15600	**82**	*830*
		5	836	15600	**82**	340
	PUH-02	1	836	15600	**82**	600
		5	836	15600	**82**	550
	PUH-03	1	836	15600	**82**	640
	PUH-04	0	836	15600	**82**	400
	PUH-05	1	836	15600	**82**	420
	PUH-06	1	**836**	15600	**82**	2100
	PUI-06	1	836	15600	**82**	290
	PUI-07	0	836	15600	**82**	440
	PUI-12	0	836	15600	**82**	310
	PUJ-02	0	836	15600	**82**	470
	PUJ-05	1	836	15600	**82**	330
	PUJ-14	1	836	15600	**82**	190
		5	836	15600	**82**	280
	PUK-02	1	836	15600	**82**	420
		5	836	15600	**82**	260
	PUL-03	1	836	15600	**82**	320
		5	836	15600	**82**	530
	PUL-09	1	836	15600	**82**	260
		5	836	15600	**82**	250
	PUM-06	1	836	15600	**82**	560
		5	836	15600	**82**	300
	PUO-07BSSE	0.5	**836**	15600	**82**	*1300*
		1.5	836	15600	**82**	*280*
	PUO-07BSSW	0.5	**836**	15600	**82**	*5900*
		1.5	836	15600	**82**	*290*
Benzo(b)fluoranthene	PUO-07BSSE	0.5	--	**0.62**	**0.2**	*1.1 J-*
Beryllium	PUO-07BSSE	0.5	**0.89**	154	**3**	*5.5*
		1.5	**0.89**	154	3	*1.4*
	PUO-07BSSW	1.5	**0.89**	154	3	*1.6*

Site-Related Chemical	Location	Depth	Maximum Background	BCL_{RS}	BCL_{LS}	Concentration
beta-BHC	BDB-19	1	--	0.32	**0.0001**	*0.0052 J+*
	PUH-02	1	--	0.32	**0.0001**	0.0038
	PUH-06	1	--	0.32	**0.0001**	0.037 J+
	PUI-06	1	--	0.32	**0.0001**	0.013
	PUI-07	0	--	0.32	**0.0001**	0.011
	PUI-12	0	--	0.32	**0.0001**	0.019
	PUJ-14	1	--	0.32	**0.0001**	0.02
	PUK-02	1	--	0.32	**0.0001**	0.0056 J+
	PUL-03	1	--	0.32	**0.0001**	0.0057
		5	--	0.32	**0.0001**	0.015 J+
	PUL-09	1	--	0.32	**0.0001**	0.016
	PUM-06	1	--	0.32	**0.0001**	0.019 J+
Cadmium	BDB-19	1	**0.16**	39	**0.4**	*0.82*
	PUJ-14	1	**0.16**	39	**0.4**	0.42
		5	**0.16**	39	**0.4**	0.46
	PUL-09	1	**0.16**	39	**0.4**	0.41
		5	**0.16**	39	**0.4**	0.49
	PUM-06	1	**0.16**	39	**0.4**	0.48
		5	**0.16**	39	0.4	0.4
	PUO-07BSSE	0.5	**0.16**	**39**	**0.4**	*41*
Chromium (Total)	ADB-05	1	16.7	211	**2**	*9.8*
	BDB-19	1	**16.7**	211	**2**	*26*
		5	16.7	211	**2**	12
	PUH-02	1	**16.7**	211	**2**	18
		5	16.7	211	**2**	10
	PUH-03	1	**16.7**	211	**2**	28
	PUH-04	0	**16.7**	211	**2**	17
	PUH-05	1	16.7	211	**2**	16
	PUH-06	1	**16.7**	211	**2**	53
	PUI-06	1	16.7	211	**2**	13
	PUI-07	0	**16.7**	211	**2**	17
	PUI-12	0	**16.7**	211	**2**	29
	PUJ-02	0	16.7	211	**2**	10
	PUJ-05	1	16.7	211	**2**	13
	PUJ-14	1	16.7	211	**2**	15
		5	16.7	211	**2**	14
	PUK-02	1	16.7	211	**2**	13
		5	16.7	211	**2**	6.3
	PUL-03	1	16.7	211	**2**	14
		5	16.7	211	**2**	16
	PUL-09	1	**16.7**	211	**2**	19
		5	16.7	211	**2**	16
	PUM-06	1	**16.7**	211	**2**	130
		5	16.7	211	**2**	15

Site-Related Chemical	Location	Depth	Maximum Background	BCL_{RS}	BCL_{LS}	Concentration
	PUO-07BSSE	0.5	**16.7**	**211**	**2**	*1100*
		1.5	**16.7**	211	**2**	*20*
	PUO-07BSSW	0.5	**16.7**	211	**2**	*140*
		1.5	**16.7**	211	**2**	*19*
Copper	PUO-07BSSE	0.5	**30.5**	2905	--	*740*
	PUO-07BSSW	0.5	**30.5**	2905	--	*160*
		1.5	**30.5**	2905	--	*110*
Hexachlorobenzene	PUO-07BSSE	0.5	--	**0.3**	**0.1**	*39 J-*
Lead	BDB-19	1	**35.1**	**400**	--	*480*
		5	**35.1**	400	--	43
	PUH-02	1	**35.1**	400	--	47
	PUH-03	1	**35.1**	400	--	72
	PUL-03	5	**35.1**	400	--	50
	PUM-06	1	**35.1**	400	--	93
	PUO-07BSSE	0.5	**35.1**	**400**	--	*33000*
	PUO-07BSSW	0.5	**35.1**	**400**	--	*5500*
		1.5	**35.1**	400	--	*40*
Manganese	BDB-19	1	**1090**	3240	--	*1100*
	PUH-06	1	**1090**	3240	--	2300
	PUO-07BSSE	0.5	**1090**	**3240**	--	*57000*
		1.5	**1090**	3240	--	*1300*
	PUO-07BSSW	0.5	**1090**	**3240**	--	*6700*
		1.5	**1090**	3240	--	*1300*
Mercury	PUO-07BSSE	1.5	**0.11**	23.5	**0.1**	*1.2*
	PUO-07BSSW	1.5	**0.11**	23.5	**0.1**	*0.13*
Nickel	PUO-07BSSE	0.5	30	1560	**7**	*26*
		1.5	30	1560	**7**	*21*
	PUO-07BSSW	0.5	30	1560	**7**	*23*
		1.5	30	1560	**7**	*19*
Radium-226	PUH-02	0	2.36	**0.0124**	**0.0161**	1.3
	PUH-04	0	2.36	**0.0124**	**0.0161**	1.34
	PUI-07	0	2.36	**0.0124**	**0.0161**	1.4
	PUI-12	0	**2.36**	**0.0124**	**0.0161**	5.51
	PUJ-02	0	2.36	**0.0124**	**0.0161**	1.41
	PUK-02	0	2.36	**0.0124**	**0.0161**	1.28
	PUL-03	0	2.36	**0.0124**	**0.0161**	1.07
Radium-228	PUH-02	0	2.94	**0.0677**	**0.0595**	2.75
	PUH-04	0	2.94	**0.0677**	**0.0595**	2.21
	PUI-07	0	2.94	**0.0677**	**0.0595**	1.51
	PUI-12	0	2.94	**0.0677**	**0.0595**	1.16
	PUJ-02	0	2.94	**0.0677**	**0.0595**	1.92
	PUK-02	0	2.94	**0.0677**	**0.0595**	1.2
	PUL-03	0	2.94	**0.0677**	**0.0595**	1.95
Selenium	PUJ-14	5	**0.6**	391	**0.3**	0.77
	PUL-09	5	**0.6**	391	**0.3**	0.78

Site-Related Chemical	Location	Depth	Maximum Background	BCL_{RS}	BCL_{LS}	Concentration
	PUM-06	1	**0.6**	391	**0.3**	1.2
		5	**0.6**	391	**0.3**	0.66
Silver	ADB-04	1	**0.2609**	391	**2**	*3.8*
Thallium	PUH-06	1	1.8	5.5	**0.4**	1.7
	PUO-07BSSE	0.5	**1.8**	**5.5**	**0.4**	*19*
	PUO-07BSSW	0.5	**1.8**	5.5	**0.4**	*2.6*
		1.5	1.8	5.5	**0.4**	*1.4*
Thorium-228	PUH-02	0	2.28	**0.154**	3.3	2.27
	PUH-04	0	**2.28**	**0.154**	3.3	2.45
	PUI-07	0	2.28	**0.154**	3.3	1.86
	PUI-12	0	2.28	**0.154**	3.3	1.62
	PUJ-02	0	2.28	**0.154**	3.3	1.73
	PUK-02	0	2.28	**0.154**	3.3	2.1
	PUL-03	0	2.28	**0.154**	3.3	1.94
Thorium-230	PUH-02	0	3.01	3.49	**0.303**	0.61
	PUH-04	0	3.01	3.49	**0.303**	1.39
	PUI-07	0	3.01	3.49	**0.303**	1.29
	PUI-12	0	3.01	3.49	**0.303**	1.02
	PUJ-02	0	3.01	3.49	**0.303**	1.04
	PUK-02	0	3.01	3.49	**0.303**	0.98
	PUL-03	0	3.01	3.49	**0.303**	1.22
Thorium-232	PUH-02	0	**2.23**	3.1	**0.303**	2.42
	PUH-04	0	2.23	3.1	**0.303**	2.05
	PUI-07	0	2.23	3.1	**0.303**	1.31
	PUI-12	0	2.23	3.1	**0.303**	1.69
	PUJ-02	0	2.23	3.1	**0.303**	1.93
	PUK-02	0	2.23	3.1	**0.303**	1.66
	PUL-03	0	2.23	3.1	**0.303**	1.85
Uranium-235/236	PUH-02	0	0.21	0.195	**0.03885**	0.04
	PUI-07	0	0.21	0.195	**0.03885**	0.05
	PUK-02	0	0.21	0.195	**0.03885**	0.04
Uranium-238	PUH-02	0	2.37	0.742	**0.00605**	0.53
	PUH-04	0	2.37	0.742	**0.00605**	0.71
	PUI-07	0	2.37	0.742	**0.00605**	0.59
	PUI-12	0	2.37	**0.742**	**0.00605**	0.89
	PUJ-02	0	2.37	**0.742**	**0.00605**	0.77
	PUK-02	0	2.37	0.742	**0.00605**	0.61
	PUL-03	0	2.37	0.742	**0.00605**	0.73
Vanadium	PUH-03	1	**59.1**	391	300	64
	PUH-06	1	**59.1**	391	300	190
	PUI-12	0	**59.1**	391	300	98
	PUL-09	1	**59.1**	391	300	61
	PUM-06	1	**59.1**	391	300	100
	PUO-07BSSE	0.5	**59.1**	**391**	**300**	*790*
	PUO-07BSSW	0.5	**59.1**	391	300	*210*

Site-Related Chemical	Location	Depth	Maximum Background	BCL_{RS}	BCL_{LS}	Concentration
Zinc	PUO-07BSSE	0.5	**121**	23500	**620**	*1300*
		1.5	**121**	23500	620	*180*
	PUO-07BSSW	0.5	**121**	23500	620	*200*
		1.5	**121**	23500	620	*190*

Note: Compound-specific comparison levels and background concentrations for which exceedances in Site data were observed are shown in **bold font** in the table above.

As discussed in the following section, IRMs were subsequently performed in former ponds PUP-08 and PUO-07, and the concentrations presented above that are associated with those locations (shown in italicized font in the table above) no longer represent current conditions. In addition, concentrations in surface soil associated with areas that underwent tamarisk removal in 2007, as discussed in Section 2.5 below, also are not considered to represent current conditions.

2.5 INTERIM REMEDIAL MEASURES (IRMs)

In 2000, while conducting an IRM for areas within the Western Hook-Development and Western Hook-Open Space sub-areas, stained surficial soils were observed in two ponds (PUP-08 and PUO-07) that are partially included within the Site. These two ponds are shared by the Sunset North Commercial and Upper Ponds sub-areas. The stained soils in former pond PUO-07 were sampled and found to contain elevated concentrations of several metals and PCBs. These data were not collected under a formal NDEP-approved work plan. The results were summarized in the IRM Completion Report (ERM 2000), which has not been approved by NDEP, and are included in Appendix B. Data validation results are presented in the DVSR for dataset 7d (ERM 2006c), which was approved by NDEP on September 14, 2006.

The IRM was therefore extended to include these two ponds, which were not included in the *Sunset North Area IRM Work Plan* (ERM 1999; approved by NDEP on August 27, 1999). IRM activities, which were performed in accordance with the approved work plan, consisted of excavation of the impacted shallow soils, transportation to a secured location within the First Eight Rows sub-area and treatment to prevent generation of wind-blown dusts and runoff. A total estimated 130,000 cubic yards of soil (including areas other than ponds PUP-08 and PUO-07) were excavated and removed from the Site during this IRM. Results of the IRM for the Site were presented in the IRM completion report (ERM 2000); this report has not been approved by NDEP. The IRM excavation area is depicted on Figure 7.

In addition to this IRM, in 2007 BRC conducted a broad-scale removal of tamarisk plants in the Site; particularly along stretches of the Alpha and Beta ditches. Evidence of the ground surface

disturbance from those plant removal activities can be seen on Figure 7. These tamarisk removal efforts covered an area of approximately 30 acres and involved the removal of minimal amounts of site soil incorporated in the plant roots. Although these removals are not considered an IRM, the surface soil data associated with these areas are no longer considered representative of current conditions.

2.6 IRM-RELATED CONFIRMATION SAMPLING

As soon as practical following excavation within former pond cells PUO-07 and PUP-08, soil samples were collected to confirm that the residual chemical concentrations were below comparison levels. The confirmation samples were collected from 0 to 1 foot below the post-excavation grade in each former pond cell using hand trowel techniques. Each of the ponds was partitioned into smaller sub-areas from which composite samples were collected; the composite samples were composed of three-subsamples. As seen on Figure 7, the IRM area extended outside the Site boundaries. Additional confirmation sampling was conducted in the off-site portions of the ponds.

The confirmation samples collected from each former pond were analyzed for metals, PCBs, VOCs, SVOCs and PAHs. As noted above, the soil sampling activities were performed in accordance with the work plan and approved by NDEP on August 27, 1999. The confirmation sampling results were presented in the IRM completion report (ERM 2000). All data from this investigation have been validated. Data validation results are presented in the DVSR for dataset 7b (ERM 2006d), which was approved by NDEP on September 13, 2006. The confirmation sampling data are also included in the database excerpt provided in Appendix B. Concentrations of SRCs exceeding comparison levels in Site soils were reduced as follows:

Pond ID	Site-Related Chemical	Pre-IRM Maximum Detection (PUO-07) (mg/kg)[10]	Post-IRM Maximum Detection (mg/kg)	
			PUO-07	PUP-08
PUO-07	Antimony	31	ND	1.2
	Arsenic	3,900	23	25
	Barium	5,900	430	690
	Beryllium	5.5	2.1	1.4
	Cadmium	41	ND	ND

[10] Given the similarity in appearance and proximity to former pond PUO-07, samples of the discolored surface soils were not collected from former pond PUP-08 prior to the IRM; the results of the samples collected from PUO-07 are assumed to be reflective of pre-IRM concentrations within PUP-08, but without data this assumption cannot be confirmed.

Pond ID	Site-Related Chemical	Pre-IRM Maximum Detection (PUO-07) (mg/kg)[10]	Post-IRM Maximum Detection (mg/kg)	
			PUO-07	PUP-08
	Chromium	1,100	37	37
	Lead	33,000	220	250
	Manganese	57,000	1,500	1,400
	Nickel	26	27	23
	Thallium	19	0.74	ND
	Vanadium	790	96	76
	Zinc	1,300	180	190
	Hexachlorobenzene	39	ND	ND
	Aroclor 1254	11	0.034	0.059

ND = not detected.

2.7 INVESTIGATIONS SUBSEQUENT TO IRM

Shallow soil samples were collected within the Site after conducting the initial IRM (*i.e.*, 2000 and later) during the following eight separate events (see Figure 2 for sample locations; data associated with all of these sampling events are provided in Appendix B):

- Discrete/composite soil investigation conducted in July 2000 (dataset 8a). The soil investigation activities were performed in accordance with ERM's work plan submitted in July 2000 and approved by NDEP on July 18, 2000. The soil sampling results for the investigation activities were presented in letters to NDEP dated August 11, 2000 (soil sampling results) and August 28, 2000 (statistical analysis of results); these letters have not been approved by NDEP. Data validation results are presented in the DVSR for dataset 8a (ERM 2006e), which was approved by NDEP on October 10, 2006;

- Supplemental soil investigation conducted in October 2000 (dataset 8c) in the Alpha Ditch and pond PUP-08. These data were not collected under a formal NDEP-approved work plan. Data validation results are presented in the DVSR for dataset 8c (ERM 2006f), which was approved by NDEP on October 26, 2006;

- Supplemental soil investigation conducted in May 2000 (dataset 12) in the vicinity of the TIMET Spray Wheel to assess chemical occurrence at depth; the only location sampled within the Site was B-16, which lies within former pond PUN-04. These data were not collected under a formal NDEP-approved work plan. Data validation results are presented in the DVSR for dataset 12 (MWH 2006a), which was approved by NDEP on October 25, 2006;

- Supplemental soil investigation conducted in May 2001 (dataset 20c). These data were not collected under a formal NDEP-approved work plan. Data validation results are presented in the DVSR for dataset 20c (ERM 2007a), which was approved by NDEP on February 5, 2007;

- Deep soil characterization conducted in June/July 2004 during monitoring well installation at five locations (SB-11-B, SB-15-A, SB-17-A, SB-18-A, and SB-19-A) as part of the 2004 Hydrologic Characterization Investigation (dataset 27). The soil investigation activities were performed in accordance with a work plan submitted in December 2003 (MWH 2003) and approved by NDEP in January 2004. The sampling results for the investigation activities were presented in the 2004 version of the BRC Closure Plan, which was not approved by NDEP. Data validation results are presented in the DVSR for dataset 27 (MWH 2006b), which was approved by NDEP on August 31, 2006;

- Supplemental soil investigation conducted in April 2005 (dataset 33) in the vicinity of the TIMET Spray Wheel to assess chemical occurrence at depth; the only location sampled within the Site was SWB-11, which lies adjacent to the eastern edge of the Spray Wheel sub-area. These data were not collected under a formal NDEP-approved work plan. Data validation results are presented in the DVSR for dataset 12 (MWH 2006c), which was approved by NDEP on October 25, 2006;

- Waste characterization conducted in July and August 2006 (dataset 39). The soil investigation activities were performed in accordance with BRC's SAP submitted on June 29, 2006, and approved by NDEP in July 2006. The soil sampling results for the investigation activities were previously presented in the *Remedial Action Plan* (RAP; BRC 2007), which was approved by NDEP on September 24, 2007. Data validation results are presented in the DVSR for dataset 39 (MWH 2006d), which was approved by NDEP on November 3, 2006; and

- Soil sampling was conducted in June/July 2007 (dataset 46) in association with an investigation to further assess groundwater conditions within the northeast portion of the Common Areas. The soil investigation activities were performed in accordance with a work plan (DBSA 2007) dated April 23, 2007, approved by NDEP on May 31, 2007. Data validation results are presented in the DVSR for dataset 46 (ERM 2007b), which was approved by NDEP on December 5, 2007.

During these investigations, soil samples at various depths were collected and analyzed for VOCs, SVOCs, organochlorine pesticides, organophosphorus pesticides, PCBs, chlorinated herbicides, dioxins/furans, aldehydes, alcohols/glycols, organic acids, PAHs, metals, general chemistry, perchlorate, and/or radionuclides. The data associated with these investigations subsequent to the IRM are also included in the database excerpt provided in Appendix B.

2.8 CURRENT CHEMICAL DISTRIBUTION WITHIN SOILS

A summary of historic post-IRM soil chemical data for the Site from surface to 10 feet bgs, excluding excavated sample results, is presented in Table 1.[11] Compound-specific historical sampling results collected from the Site, including those sample locations that were excavated during the IRM and tamarisk removal and depth intervals deeper than 10 feet bgs, are shown in Appendix B, Tables B-1 through B-11 (which also include Utility Corridor sub-area data), and included electronically in Appendix B.[12] Sample locations are shown on Figure 2.

Figures showing the assumed current distribution of various representative chemicals at the Site are presented in Appendix C. Project SRCs were generally selected for graphical depictions if (1) a sufficient number of analyses for that constituent were performed (*i.e.*, for more than four samples); and (2) BCL_{RS} exceedances (Table 1) were observed for that constituent at concentrations in excess of background concentrations. In addition, certain constituents not observed at concentrations exceeding the BCL_{RS} were also chosen for graphical depictions if more than four BCL_{LS} exceedances (Table 1) were observed for that constituent at concentrations in excess of background concentrations. For organochlorine pesticides and radionuclides, a single representative constituent was selected for graphical displays. Using these criteria, chemical occurrence figures were prepared for the following constituents, which are discussed in greater detail below along with all constituents reported at concentrations in excess of their BCL_{RS} or BCL_{LS}:

- Antimony (0 to 2 feet bgs and 3 to 10 feet bgs - on Figures C-1 and C-2, respectively)

[11] Although the Utility Corridor sub-area crosses the Site, because this is a different sub-area, with different land use considerations, and a NFAD, data associated with the Utility Corridor sub-area are not included in Table 1 or this summary of Site data. Utility Corridor sub-area data are included on the figures in Appendix C.

[12] In most cases, the sample nomenclature for samples collected within the Upper Ponds is consistent with the pond IDs – for example, a sample collected from Upper Pond row H, the first pond to the east, at 1 foot bgs was historically assigned a sample ID of "PUH-01-1", The pond rows and individual ponds within them are labeled on Figure 2. In cases where this nomenclature convention was not followed (*i.e.*, DBMW-9), the boring location can be seen on Figure 2; when such borings are noted in the text, the Pond locations are provided for ease of reference.

- Arsenic (0 to 2 feet bgs and 3 to 10 feet bgs - on Figures C-3 and C-4, respectively);
- Cadmium (0 to 2 feet bgs and 3 to 10 feet bgs - on Figures C-5 and C-6, respectively);
- Chromium (0 to 2 feet bgs and 3 to 10 feet bgs - on Figures C-7 and C-8, respectively);
- Lead (0 to 2 feet bgs and 3 to 10 feet bgs - on Figures C-9 and C-10, respectively);
- Manganese (0 to 2 feet bgs and 3 to 10 feet bgs - on Figures C-11 and C-12, respectively);
- Selenium (0 to 2 feet bgs and 3 to 10 feet bgs - on Figures C-13 and C-14, respectively);
- Perchlorate (0 to 2 feet bgs and 3 to 10 feet bgs - on Figures C-15 and C-16, respectively);
- Beta-BHC (0 to 2 feet bgs and 3 to 10 feet bgs - on Figures C-17 and C-18, respectively);
- Dioxins/furans (0 to 2 feet bgs and 3 to 10 feet bgs - on Figures C-19 and C-20, respectively); and
- Radium-226 (0 to 2 feet bgs and 3 to 5 feet bgs - on Figures C-21 and C-22, respectively).

These figures also include samples within the Utility Corridor sub-area, as well as all results within 1,000 feet of the Site from the adjacent sub-areas to provide information on the current upgradient, downgradient, and cross-gradient conditions.

Unless otherwise noted, to assess the potential threat to human health, chemical detections were compared to the BCL_{RS}. In addition, to assess the potential for impacts to groundwater quality, chemical detections at the Site were also compared to the BCL_{LS} (DAF 1) established for each chemical. However, it should be noted that the maximum reported background concentrations[13] for several metals (for example, arsenic) are appreciably higher than the comparison levels; therefore, comparison to background concentrations is more appropriate for these metals than using the BCL_{RS} and BCL_{LS} as points of comparison. Chemical occurrence patterns for the chemicals detected at concentrations in excess of comparison levels, in samples collected from surface to 10 feet bgs, are provided below.

[13] Values used are the maximum from the shallow soils background dataset presented in the *Background Shallow Soil Summary Report, BMI Complex and Common Area Vicinity* (BRC/TIMET 2007).

Antimony. Of the 36 Site soil samples reflecting current conditions in which antimony was analyzed (29 surface[14] and 7 subsurface samples; Table B-1), antimony was detected in approximately 44 percent. All of these detections were lower than the 31.3 mg/kg BCL_{RS}, but nine exceeded the 0.3 mg/kg BCL_{LS}. It should be noted that the standard reporting limits employed during the historical sampling events are often higher than the BCL_{LS}, and it is unknown whether antimony is also present in those samples at concentrations in excess of the BCL_{LS}. The reporting limits were sufficiently low such that concentrations in excess of the BCL_{RS}, if present, would have been reported. All but one of the BCL_{LS} exceedances were higher than the maximum background concentration 0.5 mg/kg. These eight BCL_{LS} exceedances higher than background are associated with the following locations:

- Pond PUH-02 surface sample (0.66 mg/kg);
- Pond PUH-03 at 1 foot bgs (0.93 mg/kg);
- Pond PUH-06 at 1 foot bgs (7.1 mg/kg);
- Pond PUI-07 surface sample (0.58 mg/kg);
- Pond PUO-07 surface sample (boring SB-19-A, 0.8 mg/kg);
- Pond PUP-08 at 1 foot bgs (1.2 mg/kg); and
- Two locations in the northeastern corner of the Site, outside the former ponds (DBMW-11 at 1 foot bgs [0.71 mg/kg], and SB-18-A at 7 feet bgs [0.66 mg/kg]).

The distribution of antimony for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site are shown on Figures C-1 and C-2, respectively.

Arsenic. Of the 91 Site soil samples reflecting current conditions in which arsenic was analyzed (75 surface and 16 subsurface samples; Table B-1), arsenic was detected in approximately 97 percent. All of the detections were higher than the 0.39 mg/kg BCL_{RS} and the 1 mg/kg BCL_{LS}. Thirty-one samples had reported arsenic concentrations in excess of the maximum shallow soil background level[15] (7.2 mg/kg; from BRC/TIMET 2007). The maximum detection, 40 mg/kg, was associated with a sample collected from pond PUN-06). The distribution of arsenic for soil

[14] Surface samples are defined as those collected from the surface to 2 feet bgs; subsurface samples are defined as those collected from depths great than 2 feet bgs.
[15] These exceedances are too numerous to list; this information is provided in Appendix B, Table B-1.

samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site are shown on Figures C-3 and C-4, respectively.

Barium. Barium was detected in all of the 47 Site soil samples reflecting current conditions in which barium was analyzed (31 surface and 16 subsurface samples; Table B-1). None of the detections were higher than the 15,600 mg/kg BCL_{RS}, but all of them exceeded the 82 mg/kg BCL_{LS}. However, all but two of the detections were lower than the maximum background concentration of 836 mg/kg. The two samples with barium detections greater than background were (1) a subsurface sample collected from the easternmost portion of the Site, near the northern boundary (DBMW-10 at 10 feet bgs, 910 mg/kg); and (2) a surface soil sample collected from PUH-06 (2,100 mg/kg).

Cadmium. Of the 37 Site soil samples reflecting current conditions in which cadmium was analyzed (22 surface and 15 subsurface samples; Table B-1), it was detected in approximately 32 percent. None of the detections were higher than the 39 mg/kg BCL_{RS}, but five results slightly exceeded the 0.4 mg/kg BCL_{LS}. These five results are higher than the maximum background concentration of 0.16 mg/kg, and are associated with samples collected from the western portion of the Site (PUJ-14, PUL-09, and PUM-06; maximum detection 0.49 mg/kg at location PUL-09 [5 feet bgs]). It should be noted that the standard reporting limits employed during the historical sampling events are higher than the BCL_{LS}, and it is unknown whether cadmium is also present in those samples at concentrations in excess of the BCL_{LS} The reporting limits were sufficiently low such that concentrations in excess of the BCL_{RS}, if present, would have been reported. The distribution of cadmium for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site are shown on Figures C-5 and C-6, respectively.

Chromium. Chromium was detected in all but one of the 47 Site soil samples reflecting current conditions in which it was analyzed (31 surface and 16 subsurface samples; Table B-1). None of the detections were higher than the 211 mg/kg BCL_{RS}; however, all of the detections were higher than the 2 mg/kg BCL_{LS}. The majority of these detections were lower than the 16.7 mg/kg maximum background detection; however 18 results were higher than background. These eighteen exceedances higher than background are associated with the following locations:

- Pond PUH-02 at 1 foot bgs (18 mg/kg);
- Pond PUH-03 at 1 foot bgs (28 mg/kg);
- Pond PUH-04 surface sample (17 mg/kg);

- Pond PUH-06 at 1 foot bgs (53 mg/kg);
- Pond PUI-07 surface sample (17 mg/kg);
- Pond PUI-12 surface sample (29 mg/kg);
- Pond PUL-09 at 1 foot bgs (19 mg/kg);
- Pond PUL-11 (boring SB-15-A) at 7 feet bgs (18.4 mg/kg);
- Pond PUM-06 at 1 foot bgs (130 mg/kg);
- Pond PUN-04 (boring B-16) at 2 feet bgs (82 mg/kg);
- Pond PUO-07, five surface soil samples (including SB-19-A; maximum detection 37 mg/kg);
- Pond PUP-08, two surface samples (maximum detection 37 mg/kg); and
- The non-pond area in the northeastern corner of the Site – location DBMW-11 at 10 feet bgs (23.6 mg/kg).

As seen from the above bullets, several of these concentrations are relatively close to background concentrations. The distribution of chromium for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site are shown on Figures C-7 and C-8, respectively.

Lead. Lead was detected in all of the 48 Site soil samples reflecting current conditions in which it was analyzed (32 surface and 16 subsurface samples; Table B-1). Of these detections, one (470 mg/kg, surface sample from PUH-04) was higher than the 400 mg/kg BCL_{RS}; a BCL_{LS} has not been established for this constituent. Eighteen of the lead detections were higher than the maximum background concentration for lead (35.1 mg/kg). The distribution of lead for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site are shown on Figures C-9 and C-10, respectively.

Manganese. Manganese was detected in all of the 46 Site soil samples reflecting current conditions in which it was analyzed (38 surface and 8 subsurface samples; Table B-1). Of these detections, one (3,300 mg/kg in sample surface sample from PUH-04) was higher than the 3,240 mg/kg BCL_{RS}; a BCL_{LS} has not been established for this constituent. Six of the manganese detections were higher than the maximum background concentration for manganese (1,090

mg/kg). The distribution of manganese for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site are shown on Figures C-11 and C-12, respectively.

Nickel. Nickel was detected in all 22 of the Site soil samples reflecting current conditions in which it was analyzed (15 surface and 7 subsurface samples; Table B-1). None of these detections exceeded the 1,560 mg/kg BCL_{RS}, however, all were higher than the 7 mg/kg BCL_{LS} (maximum detection 27 mg/kg, surface soil sample from PUO-07).[16] All of these detections were lower than the maximum background concentration for nickel (30 mg/kg).

Selenium. Of the 36 Site soil samples reflecting current conditions in which it was analyzed (20 surface and 16 subsurface samples; Table B-1), selenium was reported in only four samples (approximately 11 percent). None of the detections were higher than the 391 mg/kg BCL_{RS}; however, all four of the detections were higher than the 0.3 mg/kg BCL_{LS}. These results were higher than the 0.6 mg/kg maximum background concentration for selenium, and are associated with the following locations in the western half of the Site:

- Pond PUJ-14 at 5 feet bgs (0.77 mg/kg);
- Pond PUL-09 at 5 feet bgs (0.78 mg/kg); and
- Pond PUM-06 at 1 foot and 5 feet bgs (1.2 mg/kg and 0.66 mg/kg, respectively).

It should be noted that the standard reporting limits employed during the historical sampling events are higher than the BCL_{LS} (and the background range in some cases), and it is unknown whether selenium is also present in those samples at concentrations in excess of the BCL_{LS} (or background, in some cases). The reporting limits were sufficiently low such that concentrations in excess of the BCL_{RS}, if present, would have been reported. The distribution of selenium for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site are shown on Figures C-13 and C-14, respectively.

Thallium. Of the 36 Site soil samples reflecting current conditions in which it was analyzed (29 surface and 7 subsurface samples; Table B-1), thallium was reported in only two (approximately 6 percent). Both detections were lower than the 5.48 mg/kg BCL_{RS}; however, they were higher than the 0.4 mg/kg BCL_{LS}. The reporting limits were sufficiently low such that concentrations in excess of the BCL_{RS}, if present, would have been reported. However, the standard reporting

[16] These exceedances are too numerous to list; this information is provided in Appendix B, Table B-1.

limits employed during the historical sampling events were often higher than the BCL_{LS}, and it is unknown whether thallium is also present in those samples at concentrations in excess of the BCL_{LS} The two BCL_{LS} exceedances are associated with the following locations from the central portion of the Site:

- Pond PUH-06 (surface sample; 1.7 mg/kg); and
- Pond PUO-07 (surface sample, 0.74 mg/kg).

Both detections and the reporting limits for non-detects were lower than the maximum background concentration for thallium (1.8 mg/kg).

Cyanide. Of the 24 Site soil samples reflecting current conditions in which it was analyzed (12 surface and 12 subsurface samples; Table B-6), cyanide was reported in only two (approximately 8 percent). Both detections were lower than the 1,220 mg/kg BCL_{RS}; however, one was higher than the 2 mg/kg BCL_{LS} (Pond PUK-05 surface sample from boring [SB-17-A]; 9.5 mg/kg). The reporting limits were sufficiently low such that concentrations in excess of the BCL_{RS} or BCL_{LS}, if present, would have been reported.

Other Inorganics. As seen in Table 1 and Tables B-1 and B-6 in Appendix B, several inorganic constituents in addition to those listed above were routinely detected in soil samples reflecting current conditions. None of these additional inorganic constituents were detected at concentrations in excess of either the BCL_{RS} or the BCL_{LS}. The reporting limits for these additional inorganic constituents were sufficiently low such that concentrations in excess of the BCL_{RS} or BCL_{LS}, if present, would have been reported.

Because perchlorate is a key compound of concern at the Common Areas, even though the detections do not meet the general criteria for graphic presentations in this SAP, the distribution of perchlorate for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site are shown on Figures C-15 and C-16, respectively.

Organochlorine Pesticides. Forty-seven Site soil samples reflecting current conditions were analyzed for organochlorine pesticides (32 surface and 15 subsurface samples; Table B-2). Most of these analytes were detected in at least one sample; 4,4-DDE, 4,4-DDT and beta-BHC were the most commonly detected. These three constituents were detected in at least 30 percent of the samples in which they were analyzed. None of the detections exceeded the BCL_{RS}; the standard reporting limits were lower than the BCL_{RS}, and concentrations in excess of the BCL_{RS}, if

present, would have been reported. However, the following organochlorine pesticide detections were higher than the BCL_{LS} for protection of groundwater (DAF 1):

- alpha-BHC (4 exceedances of the 0.00003 mg/kg BCL_{LS} in soil samples collected from across the site, maximum detection 0.018 mg/kg in a 7 foot bgs sample from SB-18-A in the northeast corner of the Site);
- beta-BHC (18 exceedances of the 0.0001 mg/kg BCL_{LS} in soil samples collected from across the site, maximum detection 0.04 mg/kg in a 1 foot bgs sample from PUH-04); and
- Lindane (2 exceedances of the 0.0005 mg/kg BCL_{LS}, both associated with SB-18-A in the northeast corner of the Site - maximum detection 0.0076 mg/kg in the 7 foot bgs sample).

It should be noted that the standard reporting limits employed during the historical sampling events for these three organochlorine pesticides and dieldrin are higher than the BCL_{LS}, and it is unknown whether these constituents are also present in those samples at concentrations in excess of the BCL_{LS} Otherwise, the reporting limits for organochlorine pesticides were sufficiently low such that concentrations in excess of the BCL_{LS}, if present, would be reported. The distribution of beta-BHC for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site are shown on Figures C-17 and C-18, respectively.

Volatile Organic Compounds. Thirty-seven Site soil samples reflecting current conditions were analyzed for VOCs (21 surface and 16 subsurface samples; Table B-3). As seen in Table 1 and Table B-3, thirteen VOCs were detected in at least one sample; however, only three were detected in more than two samples (*i.e.*, acetone [8 samples], benzene [10 samples], and methyl ethyl ketone [7 samples]). None of the detections were above the BCL_{RS}; the standard reporting limits were lower than the BCL_{RS}, and concentrations in excess of the BCL_{RS}, if present, would have been reported.

The only VOC reported at concentrations higher than the BCL_{LS} was dichloromethane (2 exceedances of the 0.001 mg/kg BCL_{LS}, both associated with DBMW-9 in the northeast corner of the Site - maximum detection 0.0077 mg/kg in the 1 foot bgs sample). However, in some cases the reporting limits employed during the historical sampling events are higher than the BCL_{LS}, and it is unknown whether these constituents are present in samples at concentrations in excess of the $BCL_{LS.}$ These analytes with reporting limits higher than the BCL_{LS} are as follows:

- 1,1,2,2-Tetrachloroethane
- 1,1,2-Trichloroethane
- 1,1-Dichloroethylene
- 1,2-Dichloroethane
- 1,2-Dichloropropane
- 1,3-Dichloropropane
- Benzene
- Carbon tetrachloride
- Dichloromethane
- Tetrachloroethylene
- Trichloroethylene
- Vinyl chloride

Otherwise, the reporting limits for VOCs were sufficiently low such that concentrations in excess of the BCL_{LS}, if present, would be reported.

Semi-Volatile Organic Compounds. Twenty-nine Site soil samples reflecting current conditions were analyzed for SVOCs (21 surface and 8 subsurface samples; Table B-4). Only three SVOCs (bis(2-ethylhexyl)phthalate, a common laboratory contaminant, benzoic acid and phthalic acid), were reported in the analyses performed on soils. Detections of these three constituents were lower than the BCL_{RS} and the BCL_{LS}. For SVOC non-detects, the standard reporting limits were lower than the BCL_{RS} in all cases except for 1,3-dichlorobenzidine, bis(2-chloroethyl)ether, hexachlorobenzene, n-nitrosodimethylamine, and n-nitrosodi-n-propylamine, which had reporting limits higher than the BCL_{RS}. With the exception of these five compounds, concentrations in excess of the BCL_{RS}, if present, would have been reported for SVOCs. For several SVOCs the reporting limits employed during the historical sampling events are higher than the BCL_{LS}, and it is unknown whether these constituents are present in those samples at concentrations in excess of the BCL_{LS} The analytes with reporting limits higher than the BCL_{LS} are as follows:

- 2,4,6-Trichlorophenol
- 2,4-Dichlorophenol
- 2,4-Dimethylphenol
- 2,4-Dinitrophenol
- 2,4-Dinitrotoluene
- 2,6-Dinitrotoluene
- 2-Chlorophenol
- 3,3-Dichlorobenzidine
- bis(2-Chloroethyl)ether
- Carbazole
- Hexachloro-1,3-butadiene
- Hexachlorobenzene
- Hexachloroethane
- Isophorone
- Nitrobenzene
- n-Nitrosodiphenylamine
- p-Chloroaniline
- Pentachlorophenol

Dioxins and Furans. Thirteen Site soil samples reflecting current conditions were analyzed for dioxins and furans (9 surface and 4 subsurface samples; Table B-5). At least one of the individual dioxins and furans congeners analyzed were reported as detections in each sample. Comparison levels have not been established for individual congeners. To assess the potential threat to human health, dioxins/furans toxic equivalency (TEQ) concentrations for each sample were compared to the Agency for Toxic Substances and Disease Registry (ATSDR) screening value of 50 parts per trillion (ppt). None of the samples analyzed had calculated TEQ values in excess of this screening level. BCL_{LS} values have not been established for dioxin/furans; thus the potential for impacts to groundwater quality due to their presence could not be assessed by comparisons to these levels.

Because dioxins/furans are a key compound of concern at the Common Areas, even though the detections do not meet the general criteria for graphic presentations in this SAP, the distribution of dioxins/furans for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site are shown on Figures C-19 and C-20, respectively.

Polychlorinated Biphenyls. Thirty Site soil samples reflecting current conditions were analyzed for PCBs (Aroclors only) (18 surface, 12 subsurface; Table B-8). Detections of one PCB (Aroclor 1254) were reported in four samples; all of these detections were lower than the BCL_{RS}. The standard reporting limits for all PCBs analyzed were lower than the BCL_{RS}; thus concentrations in excess of the BCL_{RS}, if present, would have been reported. BCL_{LS} values have not been established for these compounds. It is noted that lack of PCB congener data is a data gap for the Site.

Organophosphorus Pesticides. Eight Site soil samples reflecting current conditions were analyzed for organophosphorus pesticides (5 surface, 3 subsurface; Table B-7). Several organophosphorus pesticides were detected in one or two samples at relatively low concentrations (maximum detection 0.011 mg/kg of Dichlorvos, 7 foot bgs sample from SB-19-A in former pond PUO-07). None of the detections were higher than the BCL_{RS}, and the standard reporting limits were lower than the BCL_{RS}; thus concentrations in excess of the BCL_{RS}, if present, would have been reported. BCL_{LS} values have not been established for these compounds.

Chlorinated Herbicides. Ten Site surface soil samples reflecting current conditions were analyzed for chlorinated herbicides (6 surface, 4 subsurface; Table B-10); there were no detections reported in these samples. The standard reporting limits were lower than the BCL_{RS}; thus concentrations in excess of the BCL_{RS}, if present, would have been reported. BCL_{LS} values have not been established for these compounds.

Polynuclear Aromatic Hydrocarbons. Twenty-nine Site soil samples reflecting current conditions were analyzed for PAHs (21 surface, 8 subsurface; Table B-11); there were no detections reported in these samples. The standard reporting limits were generally, but not always, lower than the BCL_{RS} and the BCL_{LS}; thus concentrations in excess of these comparison levels, if present, would have been reported. In several cases the reporting limits employed during the older sampling events are higher than the BCL_{RS} and/or BCL_{LS}, and it is unknown whether these constituents are present in those samples at concentrations in excess of the BCL_{LS} These analytes with reporting limits frequently higher than the BCL_{RS} and/or BCL_{LS} are as follows:

- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Dibenzo(a,h)anthracene
- Indeno(1,2,3-c,d)pyrene (issue for BCL_{RS} only)

Aldehydes. Nine Site soil samples reflecting current conditions (5 surface, 4 subsurface; Table B-6) were analyzed for aldehydes. Acetaldehyde and formaldehyde were detected in several samples at relatively low concentrations below the BCL_{RS} (maximum concentration 0.5 mg/kg of formaldehyde, 0 foot bgs sample from SB-11-B). The standard reporting limits were lower than the BCL_{RS}; thus concentrations in excess of the BCL_{RS}, if present, would have been reported. BCL_{LS} values have not been established for these compounds.

Organic Acids and Glycol/Alcohols. Nine Site soil samples reflecting current conditions (5 surface, 4 subsurface; Table B-11) were analyzed for organic acids and glycols/alcohols; there were no detections reported in the samples. The standard reporting limits were lower than the BCL_{RS}; thus concentrations in excess of the BCL_{RS}, if present, would have been reported. The reporting limit for 4-chlorobenzene sulfonic acid (the only analyte in these analyses with an established BCL_{LS}) was higher than the BCL_{LS}, and it is unknown whether this constituent is present at a concentration in excess of the BCL_{LS}

Radionuclides. Radionuclides were detected in all 22 of the Site soil samples analyzed (15 surface and 7 subsurface soil samples; Table B-9). Exceedances of comparison levels for radionuclides are only shown in Table 1 for the eight radionuclides currently included in the project analyte list (radium-226, radium-228, thorium-228, thorium-230, thorium-232, uranium-233/234, uranium-235/236, and uranium-238). Exceedance of background is shown in Table 1 for all radionuclides historically analyzed for within the Site. The following radionuclides were detected at concentrations in excess of the BCL_{RS} and BCL_{LS}: radium-226; radium-228; thorium-

228 (BCL_{RS} exceedances only); thorium-230 (BCL_{LS} exceedances only); thorium-232 (BCL_{LS} exceedances only); uranium-235/236 (BCL_{LS} exceedances only); and uranium-238. It should be noted, however, that with limited exceptions, the reported activities in excess of the BCL_{RS}/BCL_{LS} were within the range of background levels. The three exceptions were as follows:

- One detection of radium-226 (5.5 pCi/g, in a surface soil sample from PUI-12) was higher than the 2.36 pCi/g maximum background detection;
- One detection of thorium-228 (2.45 pCi/g, in a surface soil sample from PUH-04) was higher than the 2.28 pCi/g maximum background detection; and
- One detection of thorium-232 (2.42 pCi/g, in a surface soil sample from PUH-02) was higher than the 2.23 pCi/g maximum background detection.

As presented in NDEP guidance (NDEP 2009c), as part of the process used to evaluate radionuclide data for the Common Areas, BRC will assess whether secular equilibrium has been attained (as an indication that steady-state conditions have been reached). Given the limited amount of radionuclide data for this Site, understanding that there may be individual departures for a given isomer, the data indicate that secular equilibrium has been broadly attained at the Site. A more thorough evaluation of secular equilibrium status will be performed after collecting radionuclide data in accordance with this SAP.

The distribution of radium-226, representative of radionuclides, for samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site are shown on Figures C-21 and C-22, respectively.

Summary of Soil Exceedances. As summarized above and in the associated data tables (Table 1 and Appendix B), sampling of Site soils has been limited, and the analyte list is incomplete. Based on the limited historical data, the following comparison level exceedances were observed:

- The few BCL_{RS} exceedances were associated with arsenic, lead, and manganese. In addition, radionuclides were also routinely reported as detections greater than the BCL_{RS}; however, the radionuclide results in excess of BCL_{RS} are, with few exceptions, considered representative of background conditions.
- Exceedances of the BCL_{LS} for protection of groundwater were also limited to selected metals, cyanide, alpha and beta-BHC, Lindane, dichloromethane, and radionuclides. Many of the BCL_{LS} exceedances for metals and radionuclides were within the range of background.

2.9 CHEMICAL DISTRIBUTION WITHIN GROUNDWATER

For evaluating Shallow Zone groundwater quality at the Site, the following wells in the immediate Site vicinity were used: AA-18, DBMW-9, DBMW-10, DBMW-11, and POD2 (Figure 2). The data associated with these wells from the most recent groundwater monitoring event (May through June 2008) are presented in Table 2. Data validation results are presented in the DVSR for dataset 51 (ERM 2008), which was approved by NDEP on November 1, 2008. Chemical occurrence patterns for the chemicals detected in groundwater from these wells are provided below. For data evaluation purposes, the detections were compared to the following, where established:

- U.S. Environmental Protection Agency (USEPA) Maximum Contaminant Levels (MCLs);
- Human health screening levels for indoor air intrusion (USEPA generic groundwater to indoor air screening level; "Vapor Intrusion Screening Level," hereinafter "VI SL"); and
- The NDEP residential water BCL (BCL_{GW}).

Organic Compounds. The few organic compounds detected during the 5th groundwater monitoring event are as follows:

- alpha-BHC was detected in samples collected from wells DBMW-9 and DBMW-11 at relatively low concentrations (maximum detection 0.16 µg/L at DBMW-11). MCLs have not been established for this constituent. The detections (0.12 µg/L and 0.16 µg/L) were well below the 3.1 µg/L VI SL, but exceed the 0.011 µg/L BCL_{GW}.
- Acetone was detected in the sample from DBMW-10 at a reported concentration of 2.1 µg/L. An MCL has not been established for this compound. The detection was well below the 220,000 µg/L VI SL and the 5,475 µg/L BCL_{GW}.
- Chloroform was detected in samples from all of the wells; the highest detection was 410 µg/L (DBMW-11). Two of the detections (140 µg/L at DBMW-9 and 410 µg/L at DBMW-11) were higher than the MCL and VI SL (80 µg/L each), and all of the reported detections were higher than the 0.17 µg/L BCL_{GW}.
- Tetrachloroethene (PCE) was detected in a sample from POD2 at a reported concentration of 1.8 µg/L. The detection was below the MCL and VI SL (5 µg/L each), but was higher than

the 0.1 µg/L BCL_{GW}. The reporting limits for the other samples were higher than the BCL_{GW} and it cannot be determined whether PCE is present in these samples at concentrations in excess of the BCL_{GW}; however the reporting limits were adequately low for evaluation against the other comparison levels such that exceedances, if any, would have been reported.

- Toluene was detected in a sample from DBMW-9 at a reported concentration of 0.14 µg/L. The detection was well below the 1,000 µg/L MCL, the 1,500 µg/L VI SL, and the 2,281 µg/L BCL_{GW}.

No other organic chemicals were detected in these monitoring wells. The reporting limits for most of the analytes in these samples were sufficiently low such that concentrations in excess of the comparison levels, if present, would be detected. The exceptions are as follows:

Constituent	Reporting Limit	Comparison Level of Concern[17]
Acetaldehyde	30 µg/L	1.7 µg/L BCL_{GW} adequately low for VI SL; no MCL
Formaldehyde	60 µg/L	1.5 µg/L BCL_{GW} no VI SL; no MCL
1,2-Diphenylhydrazine	1 µg/L	0.084 µg/L BCL_{GW} no VI SL; no MCL
3,3-Dichlorobenzidine	1 µg/	0.15 µg/L BCL_{GW} no VI SL; no MCL
Azobenzene	1 µg/L	0.1 µg/L BCL_{GW} no VI SL; no MCL
Benzo(a)anthracene	1 µg/L	0.092 µg/L BCL_{GW} no VI SL; no MCL
Benzo(a)pyrene	1 µg/L	0.2 µg/L MCL; 0.0092 µg/L BCL_{GW} no VI SL
Benzo(b)fluoranthene	1 µg/L	0.092 µg/L BCL_{GW} no VI SL; no MCL
Benzo(k)fluoranthene	1 µg/L	0.92 µg/L BCL_{GW} no VI SL; no MCL
bis(2-Chloroethoxy)methane	1 µg/L	0.0045 µg/L VI SL no MCL; no BCL_{GW}
bis(2-Chloroethyl)ether	1 µg/L	0.0098 µg/L BCL_{GW} adequately low for VI SL; no MCL
bis(2-Chloroisopropyl)ether	1 µg/L	0.27 µg/L BCL_{GW} adequately low for VI SL; no MCL

[17] This table lists only those screening levels that are lower than the standard reporting limit.

Constituent	Reporting Limit	Comparison Level of Concern[17]
Dibenzo(a,h)anthracene	1 µg/L	0.0092 µg/L BCL_{GW} no VI SL; no MCL
Hexachloro-1,3-butadiene	1 µg/L	0.33 µg/L VI SL; 0.86 µg/L BCL_{GW} no MCL
Hexachlorobenzene	1 µg/L	0.042 µg/L BCL_{GW} adequately low for VI SL and MCL
Indeno(1,2,3-cd)pyrene	1 µg/L	0.092 µg/L BCL_{GW} no VI SL; no MCL
n-Nitrosodi-n-propylamine	1 µg/L	0.0096 µg/L BCL_{GW} no VI SL; no MCL
Pentachlorophenol	2 µg/L	1 µg/L MCL; 0.56 µg/L BCL_{GW} no VI SL
1,1,2,2-Tetrachloroethane	0.27 µg/L	0.055 µg/L BCL_{GW} adequately low for VI SL; no MCL
1,2,3-Trichloropropane	0.22 µg/L	0.034 µg/L BCL_{GW} adequately low for VI SL; no MCL
1,2-Dibromo-3-chloropropane	0.48 µg/L	0.2 µg/L MCL; 0.00064 µg/L BCL_{GW} adequately low for VI SL
1,2-Dichloroethane	0.18 µg/L	0.12 µg/L BCL_{GW} adequately low for VI SL and MCL
2-Nitropropane	0.034 µg/L	0.0012 µg/L BCL_{GW} adequately low for VI SL; no MCL
Chlorodibromomethane	0.17 µg/L	0.13 µg/L BCL_{GW} no VI SL; adequately low for MCL
Tribromomethane	0.27 µg/L	0.0083 µg/L VI SL adequately low for BCL_{GW} and MCL
Trichloroethene	0.11 µg/L	0.028 µg/L BCL_{GW} adequately low for VI SL and MCL
Vinyl chloride	0.13 µg/L	0.084 µg/L BCL_{GW} adequately low for VI SL and MCL

For these constituents it cannot be determined whether they are present in Site groundwater at concentrations greater than the comparison levels noted above.

Inorganic Compounds. Inorganic compounds were routinely detected in the ground water samples. It should be noted that many of these constituents are naturally-occurring in ground water, and the extent to which the detections represent background conditions was not evaluated

for this SAP. The following constituents were detected at concentrations above their respective MCLs and BCL_{GW} [18] as summarized below:

- Chloride is higher than the 250 mg/L MCL in samples collected from all of the wells except AA-18; the maximum reported concentration was 1,880 mg/L (DBMW-11).
- Chlorine is higher than the 3.7 mg/L BCL_{GW} in samples collected from all of the wells; the maximum reported concentration was 3,760 mg/L (DBMW-11).
- Nitrate is higher than the 10,000 mg/L MCL and BCL_{GW} in samples collected from all of the wells; the maximum reported concentration was 24,300 mg/L (DBMW-11).
- Perchlorate was higher than the USEPA Drinking Water Equivalent Level and BCL_{GW}[19] (24.5 µg/L and 18 µg/L, respectively) in samples collected from all of the wells; the maximum detection was 3,690 µg/L (POD2).
- Sulfate is higher than the 250 mg/L MCL in samples collected from all of the wells; the maximum reported concentration was 3,120 mg/L (DBMW-11).
- Aluminum is higher than the 50 µg/L MCL in samples collected from wells AA-18 and DBMW-9 (maximum detection 388 µg/L at DBMW-9). The reporting limits for the other samples were elevated above the MCL, and it is unknown whether aluminum is also present at these locations at concentrations above the MCL.
- Arsenic is higher than the 10 µg/L MCL and 0.045 µg/L BCL_{GW} in samples collected from wells AA-18, DBMW-9, and DBMW-10; the highest concentration is associated with DBMW-9 (59.5 µg/L). The reporting limits for the other two samples were elevated above the MCL or BCL_{GW}, and it is unknown whether arsenic is also present at these locations at elevated concentrations.
- Hexavalent chromium is higher than the 110 µg/L BCL_{GW} in the sample collected from well POD2 (150 µg/L).
- Lithium is higher than the 73 µg/L BCL_{GW} in the samples collected from wells AA-18 (87.5 µg/L) and DBMW-11 (589 µg/L). The reporting limits for the samples from the other

[18] VI SLs have not been established for inorganic constituents.
[19] An MCL has not been established for this constituent.

wells were elevated above the BCL_{GW}, and it is unknown whether lithium is also present at those locations at elevated concentrations.

- Uranium is higher than the 30 µg/L MCL in the sample collected from well POD2 (56.7 µg/L).
- Radium-226 is higher than the 0.00082 pCi/L BCL_{GW} in the samples collected from wells DBMW-9 (2.4 pCi//L), DBMW-11 (0.41 pCi//L), and POD2 (4.59 µg/L). The reporting limits for the samples from the other wells were elevated above the BCL_{GW}, and it is unknown whether radium-226 is also present at those locations at elevated concentrations.
- Radium-228 is higher than the 0.046 pCi/L BCL_{GW} in the samples collected from wells DBMW-9 (0.769 pCi//L), DBMW-11 (1.05 pCi//L), and POD2 (1.03 µg/L). The reporting limits for the samples from the other wells were elevated above the BCL_{GW}, and it is unknown whether radium-228 is also present at those locations at elevated concentrations.
- Radium-226/228 is higher than the 5 pCi/L MCL in the sample collected from well POD2 (5.62 pCi /L).
- Thorium-230 is higher than the 0.52 pCi/L BCL_{GW} in the sample collected from well DBMW-11 (0.794 pCi /L).
- Uranium-233/234 is higher than the 0.66 pCi/L BCL_{GW} in the samples collected from all of the wells. The maximum reported concentration was 25.6 pCi/L (POD2).
- Uranium-235/236 is higher than the 0.66 pCi/L BCL_{GW} in the samples collected from wells DBMW-9 (0.904 pCi//L), DBMW-11 (0.548 pCi//L), and POD2 (0.999 µg/L).
- Uranium-238 is higher than the 0.55 pCi/L BCL_{GW} in the samples collected from all of the wells. The maximum reported concentration was 19.2 pCi/L (POD2).
- Total Dissolved Solids (TDS) is higher than the 500 mg/L MCL in samples collected from all of the wells; the maximum reported concentration was 7,250 mg/L (DBMW-11).

It should be noted that reporting limits for several analytes in addition to those noted above were routinely higher than the MCLs or BCL_{GW} (*i.e.*, antimony, iron, phosphorus, thallium, and thorium-228), and it cannot be ascertained if these constituents are present in Site groundwater at concentrations greater than those comparison levels.

Chemical occurrence in both the shallow and deep water-bearing zones beneath the Eastside and Corrective Action Management Unit (CAMU) areas is currently being characterized under a process separate from the Closure Plan process under which this SAP has been prepared, which focuses on site soils. A more detailed presentation of chemical occurrence patterns within these water-bearing zones (including comparisons to background conditions) and an assessment of the potential health risks will be provided upon completion of the on-going groundwater investigation, and the CSM for the Eastside and CAMU areas will be updated accordingly.

3.0 DATA QUALITY OBJECTIVES

The DQO process is a seven-step iterative planning approach used to prepare plans for environmental data collection activities. It provides a systematic approach for defining the criteria that a data collection design should satisfy, and covers: problem definition; when, where, and how to collect samples or measurements; determination of tolerable decision error rates; and the number of samples or measurements that should be collected. DQOs define the purpose of the data collection effort, clarify what the data should represent to satisfy this purpose, and specify the performance requirements for the quality of the data to be obtained. The DQO process, as defined by USEPA's *Guidance on Systematic Planning Using the Data Quality Objectives Process, EPA QA/G-4* (USEPA 2006), consists of 7 steps:

Step 1 - State the Problem;

Step 2 - Identify the Goal of the Study;

Step 3 - Identify Information Inputs;

Step 4 - Define the Boundaries of the Study;

Step 5 - Develop the Analytical Approach;

Step 6 - Specify Performance or Acceptance Criteria; and

Step 7 - Develop the Plan for Obtaining Data.

A general overview of USEPA and NDEP's 7-step DQO process is provided in the Closure Plan. The key decision inputs to the DQO process, namely the Step 2 Principal Study Questions (PSQs), are also provided in the Closure Plan. The PSQs are the central Eastside Area-wide questions that provide a basis for the overall closure effort. Per discussions with the NDEP, the other steps of the DQO process are to be addressed, on an Eastside Area sub-area basis (for soils), in the respective sub-area SAPs. Steps 1 through 5 of the DQO process are described below for this Site. Implementation of DQO Steps 6 and 7 is described in the Statistical Methodology Report, which presents the statistical approach to sample design for the Eastside Area sub-areas soils investigations.

3.1 STATE THE PROBLEM (STEP 1)

The first step in the DQO process is to define the problem that initiated the study in such a way that the focus of the study is unambiguous. This section provides the following information: a summarization of the problem being addressed; identification of the assessment team; identification of the key decision-makers and stakeholders; and a presentation of the schedule.

3.1.1 Problem Statement

As presented in the Closure Plan, the Site includes open land that has been modified to accept wastewater discharges from the BMI Complex through various trenches and evaporation ponds from 1942 through 1976. Currently, the approximately 283.3-acre Site includes former unlined disposal ponds and effluent conveyance ditches associated with historical BMI Complex operations. The industrial activity on this Site may have resulted in concentrations of chemicals that drive unacceptable human health risk. Residual contamination remains at the Site as a consequence of these discharges. The goal of this work is to remediate the Site such that chemical concentrations in all relevant media do not pose an unacceptable risk to human health and the environment under current and future land use scenarios. The problem that needs to be addressed is one of returning at least the upper 10 feet of soils at the Site to conditions that pass a human health risk assessment, with restrictions on access to deeper soils and on the use of groundwater. Risk assessment at the Site includes exposure to soils, but also exposure to VOCs and radon, which might emanate from the vadose zone or from groundwater. A further consideration is the potential for leaching contaminants into groundwater.

The Site is currently vacant. The potential on-site and off-site receptors are currently trespassers/visitors, occasional on-site workers, and off-site residents. Risks to current receptors are being managed through Site access control. Under the current, prospective redevelopment plan, the Site will be used for residential land use (primarily low and medium density, with some high density) with parks and trails, school, retail/commercial and urban core, with associated roads and parking areas interspersed. Consequently, receptors that are considered for this problem include construction workers, residents (adult and child), maintenance workers, and trespassers. The potentially exposed populations for the Site and their potential routes of exposure are presented on Figure 8 and are summarized in Section 9 of the Closure Plan.

As described in the Closure Plan and in the Statistical Methodology Report, remediation for all media will be to risk-based levels protective of human health and the environment under current and future land use scenarios. The problem will be addressed through iterative remediation until

sufficient remediation (removal of soil) has been performed that acceptable human health risks have been attained. The final site conditions will include regrading of on-site soils, so that the future surface will not consist of the same soil as the current surface. Imported fill material may or may not be needed, including fill from other Sites. The grading plan for this Site is presented on Figure 4.

Although the primary focus is human health risk assessment for residential and commercial use scenarios, secondary issues that will be addressed include contamination of deeper soils and groundwater beneath the Site. BRC will also discuss the issue of off-Site transport of contaminants with the NDEP should the NDEP determine that this is necessary, maintaining consistency with the AOC3. However, because remediation of the Site will be to on-site residential standards, risks to off-site receptors are expected to be minimal.

3.1.2 Proposed Assessment Team

A multi-disciplinary approach is being and will be followed with participation by qualified geologists, chemists, radiochemists, hydrogeologists, biologists, ecologists, engineers, remediation specialists, toxicologists, risk assessors (human health and ecological), statisticians, field sampling personnel, community relations personnel, risk communications specialists, project developers, and project managers. BRC maintains an active roster of key team members, which will be periodically updated as appropriate throughout the project term. Key team members are identified in Section 1.4 of the Closure Plan.

3.1.3 Key Decision Makers and Stakeholders

The NDEP is the primary and the ultimate decision-maker for the project. Stakeholders include BRC, the City of Henderson, Clark County, the State of Nevada, the United States Government, the local public, site developers, and other interested persons.

3.1.4 Schedule

BRC has established a phased schedule for the Eastside Area such that the various sub-areas are addressed sequentially. The timing of the phased closures is closely spaced to avoid potential complications associated with the presence of contaminated soils near areas that have been successfully remediated and closed and to mitigate potential impacts on adjacent residential housing development.

Surface and shallow soil data will be used to evaluate both current (post-remediation, pre-development) and future (post-development) exposures and risks. Once these data have been collected and preliminary risk calculations have been completed, BRC will determine whether the acceptable chemical concentrations and/or risk levels defined for the Site have been attained and will discuss this determination with the NDEP. If it is determined that acceptable risk levels have not been attained, BRC will perform additional remediation activities consistent with the CAP (BRC 2006), and will repeat the assessment process until risk-based goals are achieved. Each iterative remediation and data collection process is expected to take place over a one to two month period, but may extend into a slightly longer period.

3.2 IDENTIFY THE GOAL OF THE STUDY (STEP 2)

The purpose of this step is to define the Site-specific PSQs that need to be resolved in order to address the problem identified in Step 1, and to identify alternative actions that may be taken, depending on the answers to the PSQs. As noted above, the project PSQs are presented in the Closure Plan. The primary PSQ associated with this SAP is:

> Are the current (post-remediation, pre-development) and future (post-development) incremental risks to human health or the environment from exposure to Site soil and soil vapor flux sufficiently low that they are acceptable?

If the incremental risks are not sufficiently low, then reasonable further action will be taken; otherwise, no further action will be taken and a risk assessment report will be prepared. Secondary PSQs deal with groundwater quality in the context of the overall site, and on the impact of site contamination on off-site human receptors. Ecological risk assessment issues will be discussed with the NDEP should NDEP determine that an ecological risk assessment is warranted.

The following fundamental assumptions apply:

1. The PSQs will be assessed only after BRC has determined that achievement of Site cleanup goals is expected for Site soils.[20] Cleanup goals for the project are defined in Sections 1.1 and 9.1.1 of the Closure Plan and in the Statistical Methodology Report. The data pool employed

[20] The existing historical data suggest that some remediation may be needed to attain cleanup goals; however, the need for remediation will be properly evaluated on the basis of data collected under this SAP, in accordance with the approved risk assessment methodology in the Closure Plan.

in the risk assessment will comprise only those data collected in accordance with this SAP,[21] after remediation activities have been performed during the closure process, if such remediation occurs.

2. The data used in PSQ assessment will undergo a rigorous Quality Assurance/Quality Control (QA/QC) review prior to that assessment, in accordance with the procedures described in the *BRC Quality Assurance Project Plan* (QAPP; BRC and ERM 2009). Only those data determined as a result to be suitable for use will be included in the closure data pool. Furthermore, the adequacy of the data pool will be evaluated following the procedures provided in Section 9.3 of the Closure Plan. If found to be inadequate, additional sampling and analysis may be performed.

Stated another way, the decision is to determine whether or not Site conditions[22] result in acceptable human health risks and environmental risks for future land uses. This will be determined through human health risk assessment for potential future on-site receptors. Potential alternative actions (from the Closure Plan) that may be taken include: (1) No Action (in this context No Action means no additional action beyond removal of contaminated soils presently located on Site), (2) institutional controls/limited action, (3) importation and use of clean fill (on-site capping of soils), and (4) excavation of soils and on-site landfill disposal at the project CAMU.

How the study decisions will be determined for the Site, including how the risk assessment will be performed, is presented in the Closure Plan.

3.3 IDENTIFY INFORMATION INPUTS (STEP 3)

The purpose of this step is to identify the information needed to resolve the PSQs identified in Step 2. The data inputs for the primary PSQ are listed below. Risk assessment will be the primary means of answering the PSQs, and will incorporate the various data inputs listed below. These data inputs either 1) are already established, as presented in this SAP or the Closure Plan,

[21] Data collected prior to SAP approval that might also be representative of Site conditions will not be included in the risk assessment; however, a data usability evaluation will be conducted to determine whether any of the historical data can be used in Site risk assessment, or it will be explained why the new data supplants the old data. However, the historical data may be used to help develop the CSM for both this Site and the overall Eastside.

[22] "Site conditions" in the context of this sentence refers to those conditions assessed after performing any excavation of impacted soils and disposing of them outside the Site, if such actions are determined necessary during the Site characterization activities planned under this SAP.

2) will be obtained during the soil and soil vapor flux sampling programs specified in this SAP, or, 3) currently exist as data gaps that will be resolved prior to performing risk assessment. A comprehensive list of the necessary data inputs for addressing the primary PSQ is provided below.

- Input parameters for human health risk assessment and assessment of impacts to groundwater considering relevant exposure pathways associated with potential future land uses.
- Toxicity inputs parameters consistent with current NDEP guidance (BCL_{RS}, NDEP 2009b).
- Input parameters for all fate and transport models (see Closure Plan and data to be collected as determined by this SAP).
- Site soil and soil vapor flux characterization data[23] collected according to this SAP.
- Identified locations/depth intervals, including elevations to adjust for use of fill material and regrading.
- Characterization data for imported fill if such fill is considered for use at the Site. At this point, it is not known whether imported fill materials will be used on Site.
- To address the secondary PSQs, soil data from depths greater than 10 feet bgs, and groundwater data will be used to address issues related to further understanding of vadose zone and groundwater contamination beneath the Site.

3.4 DEFINE THE BOUNDARIES OF THE STUDY (STEP 4)

The purpose of this step is to define the aspects of the project that affect the decision making process, including:

- The populations to be sampled;
- The geographical area applicable for decision making;
- Temporal boundaries for decision making;

[23] To be collected as determined by this SAP in accordance with the most recent NDEP-approved version of Standard Operating Procedure 16 (BRC, ERM and MWH, 2008)

- Any practical constraints that may interfere with data collection; and
- The scale for decision-making purposes.

Each of these portions of this step is presented below.

3.4.1 Sample Populations

Several target populations will be sampled for this project, including: surface and near-surface soils (*i.e.*, less than 10 feet bgs); subsurface soils (*i.e.*, greater than 10 feet bgs); groundwater; and, soil vapor flux. These populations were segregated based on their differences in media type and pathways for potential human residential exposure following redevelopment. For this project, samples will be collected for surface and near-surface soils and soil vapor flux to address the primary PSQ via human health assessment, and for cumulative risk across these media types and associated pathways. Samples will be collected for subsurface soils and groundwater to address the secondary PSQs.

3.4.2 Spatial Boundaries

The spatial boundaries of interest for the risk assessment are the spatial extent of the Site boundary to a depth of 10 feet bgs or deeper if construction activities are below this level. However, impacts to receptors exposed to these soils can also occur from vapor intrusion from the deeper vadose zone and groundwater. Consequently, the vertical extent of the Site that encompasses vadose zone and groundwater is of interest. Based on expected land use, construction activities are not expected to occur at depths greater than 10 feet bgs.

Note that more than one set of surface spatial boundaries could ultimately be identified. For example, data may need to be grouped for sub-areas within the Site in order to appropriately address the decision units (*e.g.*, exposure areas). These spatial boundaries might be important if residual contamination varies across the Site either in the surface soils or by depth.

Because sub-areas within the Eastside are adjacent to each other, to assess or avoid potential impacts from other Site sources, risk assessment could be performed across Site boundaries, and/or adjacent Sites will be remediated in the same general time frame. To some extent this will depend on the spatial homogeneity of concentrations once remediation has been performed. Future remediation at adjacent Sites will involve dust suppression and storm water pollution prevention activities, mitigating potential impacts from cross-contamination.

3.4.3 Temporal Boundaries

The temporal boundaries of interest for this project are defined by the timeframe associated with decision making for each spatially distinct region of interest. Specifically, for each different land-use scenario, within each decision or exposure unit, both current and potential future risk needs to be considered and quantified. The time frame over which future risks will be evaluated can be regarded as indefinite, implying that future land uses must satisfy institutional constraints placed on the site now, or a new risk assessment will need to be performed. Specific issues for each medium are described below.

Surface Soil

The surface soil concentrations used in the risk assessment will be derived from existing soil conditions (that is, established during the characterization activities performed in accordance with this SAP). BRC assumes that these will reflect the concentration distribution for the project lifetime, and those data will be relied upon throughout the redevelopment process and for assessing risks under current and future land use scenarios. The timeframe for data collection, assessment, and decision-making will be from one to three months for surface soils. These soil data will be used to evaluate both current (post-remediation, pre-development) and future (post-development) exposures and risks.

Subsurface Soil and Groundwater

As noted, BRC does not expect that subsurface soils (generally greater than 10 feet bgs) will be an issue from a human exposure standpoint. However, subsurface soils will be sampled in order to determine potential impacts to groundwater in accordance with the secondary PSQ relating to the deeper vadose zone and groundwater in the context of the entire Site. These subsurface soil data will be used to evaluate both current (post-remediation, pre-development) and future (post-development) impacts to groundwater. Data to support the evaluation of potential impacts to groundwater will be collected. These data will be collected to support the migration to groundwater calculations included in the Closure Plan, as well as more refined modeling tools (such as, VLEACH, SESOIL, and PESTAN). Any indirect impacts from underlying groundwater will be addressed via the proposed surface flux measurements.

Soil Vapor Flux

The soil vapor fluxes used in the risk assessment will be derived from soil vapor flux data associated with existing soil and groundwater conditions (that is, data collected during the

characterization activities performed in accordance with this SAP). BRC assumes that these will reflect the soil vapor flux distribution for the project lifetime, and those data will be relied upon throughout the redevelopment process and for assessing risks under current and future land use scenarios. The timeframe for data collection, assessment, and decision-making will be from one to three months for soil vapor flux. These soil vapor flux data will be used to evaluate both current (post-remediation, pre-development) and future (post-development) exposures and risks.

3.4.4 Practical Constraints for Data Collection

Since the Site is currently unoccupied, there are no access constraints for collecting soil or soil vapor flux samples from BRC's property as specified in this SAP. For groundwater (which is not part of this SAP), additional and/or routine sampling activities (such as groundwater sampling from monitoring wells) may be required following redevelopment. However, these constraints do not apply to the situation associated with this SAP and will be dealt with at a later time.

3.4.5 Scale of Decision-Making

The scale for decision-making regarding the primary PSQ varies based on the target sample population of interest. Redevelopment of the Site following remediation includes significant changes in land uses, including residential housing. Other potential development interests in addition to residential housing include commercial buildings, schools, parks, and trails (see Figure 3). However, the final redevelopment plans for the Site have not been completed and may change depending upon the results of post-remediation sampling. To facilitate the redevelopment of the Site with the fewest practical constraints due to residual contamination, the nominal scale for decision-making for the proposed residential exposure scenario will be consistent with a typical residential lot size, which is 1/8th acre. However, if, as expected, the concentration distribution across the Site is statistically homogeneous representing a single population of concentrations for each chemical, then the decision unit will be the entire Site. Smaller decision units will only be defined if the spatial distribution of concentrations suggests the need to break the Site into smaller areas for risk-based decision-making. The same approach will be used for soil vapor flux, subsurface soils and groundwater as they feed into the human health risk assessment.

3.5 DEVELOP THE ANALYTICAL APPROACH (STEP 5)

The purpose of this DQO step, as described in USEPA guidance, is to define the population parameter (*e.g.*, mean risk) of interest for each population (surface soil, etc.), identify the

appropriate action level (target risk level) for each population, and select measurement and analysis methods that can be used to properly evaluate the parameters against the action levels (*i.e.*, ensure detection limits do not exceed action levels, etc.). Once these actions are completed, decision rules (if-then statements) are developed for each population that state the alternative actions that would be taken depending upon the true value of the parameter relative to the specified action levels.

The PSQ-specific decision rules for the Site are presented below.

- If, after confirmation sampling conducted per the Closure Plan and this SAP, and subsequent risk assessment following procedures per the Closure Plan, it is deemed that the risk goals for the project (as discussed in Section 1 of the Closure Plan) are not met, then remediation per Alternative (4) (excavation of soils and on-site landfill disposal at the project CAMU) listed in Section 3.2 will be conducted to satisfy the risk goals. The risk assessment methodology for the project is presented in Section 9 of the Closure Plan.

- If, after implementation of the Decision Rule above it is determined that there are specific locations at the Site for which additional and continued remediation will not be practical or effective, then other alternatives such as Alternative (2) and Alternative (3) (institutional controls/limited action, and importation and use of clean fill) identified in Section 3.2 will be evaluated considering overall protection, effectiveness, permanence, implementability, cost, regulatory acceptance, and community acceptance.

- If, after implementation of the Decision rule above it is determined that no further action needs to be taken in the top 10 feet of soils, a proposal for NFAD will be made. This proposal will be made only after consultation with NDEP.

Data for the secondary PSQs (deeper soils and groundwater) will be evaluated for obvious issues that might require immediate action, and will be included in analysis of objectives related to the groundwater program for the entire Site.

4.0 SCOPE OF WORK

Other than the removal of debris found on the Site, no remediation is proposed prior to the sampling activities specified in this SAP. Decisions regarding the need for remediation will be based on the initial data to be collected in accordance with this SAP as discussed in this section.

The risks posed to human health and the environment by chemicals remaining in Site soils will be assessed in accordance with the Risk Assessment Methodology provided in the Closure Plan. If this assessment indicates that risk-based cleanup goals established for the Site have not been met, additional phases of remediation, sampling/analysis and assessment will be performed as discussed in the CAP and the Closure Plan. Development may only proceed after attainment of acceptable risk levels under the future planned land uses – *i.e.*, after obtaining the NFAD from the NDEP.

The following is the proposed scope of work for investigating the Site and meeting the SAP objectives. Much of the discussion below regarding confirmation soil sampling is taken from the Statistical Methodology Report.

4.1 INITIAL CONFIRMATION SOIL SAMPLING

As per the Statistical Methodology Report, the initial confirmation sampling in the Site will be conducted on the basis of combined random and biased (judgmental) sampling, as follows:

- **Stratified Random Locations:** For this purpose, the Site is covered by a 3-acre cell grid network. Within each 3-acre cell, a sampling location is randomly selected. Sampling locations are randomly selected within both full and partial grid cells if they are greater than 50 percent of the total grid cell area (based on the project-wide grid cell network and the Site boundaries; those partial grid cells that contain less than 50 percent of their area within the Site will be included in the adjacent sub-area SAPs). The main objective of this stratified random sampling is to provide uniform coverage of the Site.

- **Biased Locations:** Additional sampling locations are selected within or near small-scale contamination points of interests, including but not limited to previous debris locations, ponds, berms, and ditches. For this purpose, the randomly selected location within a corresponding 3-acre cell may also be adjusted in order to cover a nearby point of interest.

A reconnaissance of the Site was performed in December 2008 to check the Site for environmentally significant features such as debris piles or stained soil. Results of this site

reconnaissance are shown in Table 3. Certain biased sampling locations for the Site were based on the outcome of this reconnaissance. Five debris piles were observed during the site reconnaissance. Biased sampling locations were located at each of the five observed debris piles/soil staining. A final reconnaissance will be performed prior to sampling to check for any additional environmentally significant features since the initial reconnaissance. If found, these additional features will also be sampled. Biased sampling will also be conducted along the lengths of the former conveyance ditches on the Site, at an approximate 200-foot linear spacing. Additional biased sampling locations were placed so that each pond had at least one sample located within it, and that the pond berms also had an adequate number of samples. In all, the proposed sampling locations address each of the current land uses as follows:

Land Use	Number of Samples
Former Pond	85
Pond Berm	48
Conveyance Ditch	21
Debris/Other/Unused Land	18

Figure 9 and accompanying Table 4 show the random and biased discrete sampling locations that are proposed to be collected within the Site.

At each selected location, multi-depth soil samples will be collected and analyzed for the project SRC list as follows. Proposed sample depths are 0 (surface) and 10 ft bgs at each sampling location. In addition, sample locations with grading greater than two ft bgs will also be sampled at the anticipated post-grading soil surface. Additionally, at three sample locations, within unremediated ponds in the west, central, and east portions of the Site, soil physical parameter data will be collected at 20 feet and every subsequent 10 feet within unsaturated soils above the capillary fringe until groundwater is reached or 50 feet deep, whichever is shallower.

Samples will be collected at:

1. Existing surface (0 ft bgs) and 10 ft bgs for sample locations in relatively flat (un-graded) locations;

2. Existing surface (0 ft bgs), post-grading surface, and post-grade 10 ft bgs for sample locations with substantial grading (that is, cut depths greater than two feet[24]) and the uppermost sampled soil is expected to be used as surface fill;

3. Existing surface (0 ft bgs) and 10 ft bgs for sample locations with minimal grading (that is, cut depths less than two feet) and the uppermost sampled soil is expected to be used as surface fill; and

4. Existing surface (0 ft bgs) and 10 ft bgs for sample locations in an area expected to be covered by fill material.

The analytical sample results will then be divided into surface (0-2 ft depth), subsurface (2 ft -10 ft depth), and deep (>10 ft depth) layers, according to the following rules:

- **Rule 1: IF** the sample is collected in a relatively flat (un-graded) part of the Site (*i.e.*, an area not targeted for substantial grading), **THEN** the depth of the collected soil sample will be used to designate its soil layer grouping.

- **Rule 2: IF** the sample is collected in a part of the Site targeted for substantial grading, **AND** the sampled soil is located in an area expected to be covered by fill material (*e.g.*, exposed excavated surfaces of ponds), **THEN** the current surface soil sample will be classified as a surface (0-2 ft depth) sample, and the soil layer grouping of the remaining deeper sampled soil will be determined based on the difference between its elevation and the final (post-graded) surface elevation in that part of the Site.

- **Rule 3: IF** the sample is collected in a part of the Site targeted for substantial grading, **AND** the sampled soil is expected to be used as surface fill (*e.g.*, soil within a berm) **AND** the cut depth is expected to be greater than two feet, **THEN** the current surface soil sample will be classified as a fill material sample, a final (post-graded) surface sample will be classified as a surface (0-2 ft depth) sample, and the soil layer grouping of the remaining deeper sampled soil will be determined based on the difference between its elevation and the final (post-graded) surface elevation in that part of the Site.

- **Rule 4: IF** the sample is collected in a part of the Site targeted for substantial grading, **AND** the sampled soil is expected to be used as surface fill (*e.g.*, soil within a berm) **AND** the cut

[24] Because sample collection will be over a two to three foot depth interval, sample locations with an anticipated cut depth less than three feet will only be sampled at the surface and one post-grade subsurface depth.

depth is expected to be less than two feet, **THEN** the current surface soil sample will be classified as both a fill material sample and as a surface (0-2 ft depth) sample, and the soil layer grouping of the remaining deeper sampled soil will be determined based on the difference between its elevation and the final (post-graded) surface elevation in that part of the Site.

A schematic example of these rules is shown on Figure 10. The current site grading plan is shown on Figure 4. It should be noted that this is the most current plan available, but not necessarily the final grading plan. The sample-specific collection depths are presented in Table 4.

All soil samples will be tagged in the database with numeric designations of their corresponding assigned soil layer grouping based on these rules. Initially, 401 soil samples will be collected from 172 soil boring locations (not including deep samples to be collected for soil physical parameter data). This includes 92 random and 80 biased sample locations; with the following number of samples representing each post-grade type of soil:

Post-Grade Sample Type	Number of Samples[25]
Fill material	106
Surface soil	229
Subsurface soil	172

It should be noted that, as discussed with NDEP, once a particular sub-area receives an NFAD from the NDEP, the cut material that is slated to be used as fill material elsewhere would not require additional testing. However, the chemical data for this fill material may be useful for evaluating sub-areas to receive fill (for example, if there is deeper contamination).

4.2 INTERMEDIATE SAMPLING AND CLEANUP

Upon layer-designation of confirmation soil samples, a series of tests will be conducted to determine whether sampled locations within a given layer include “exceeding” samples. An

[25] Note that in some cases a soil sample may be considered both a fill sample and a surface sample (as indicated in Table 4). Therefore, the sum of the number of samples indicated for each post-grade sample type does not necessarily equal the total number of samples collected.

exceeding sample is one that warrants further investigation, which may include localized soil removal. Exceeding samples will be defined consistent with the following rules:

- **Chemicals without background concentrations:** For chemicals without corresponding background distributions, the distribution of its reported concentrations in each layer will be constructed. The 95 percent upper confidence limit (UCL) of these distributions will also be computed. **IF** the constructed distribution indicates the presence of anomalous concentrations (*e.g.*, high values at the end of an elongated tail of a uni-modal distribution, or values forming an elevated sub-population of a multi-modal distribution), **AND** the inclusion of these anomalous values causes the computed UCL to exceed 1/10 of the risk-based screening level of the chemical, **THEN** samples associated with anomalous values will be considered as potential exceeding samples. **IF** the constructed distribution indicates no presence of anomalous concentrations and the computed UCL exceeds 1/10 of the risk-based screening level of the chemical, **THEN** all samples associated with the layer will be considered as potential exceeding samples.

- **Chemicals with background concentrations:** For chemicals with corresponding background distributions, the distribution of its reported concentrations in each layer will be constructed. These concentration distributions will then be statistically compared to the background concentration distributions. Appropriate two-sample tests, including Quantile test, Slippage test, *t*-Test and the Wilcoxon rank sum test with Gehan modification, will be used to identify exceeding samples through comparison of Site and background distributions. **IF** inclusion of elevated measured values in a given layer causes the rejection of the appropriate two-sample test, **THEN** samples associated with such elevated values will be considered as potential exceeding samples.

Areas with potential exceeding samples may be subjected to re-sampling prior to the confirmation of the location as an exceeding sample. After any such re-sampling, the above process will be repeated to confirm the exceeding status of the targeted sample location. It should be noted that if the data indicate a more widespread or Site-wide contamination, then it might be important to look at the effect on a sub-area basis rather than a sample basis. That is, additional alternatives, such as, changing the future land use, further division into smaller sub-areas, or more extensive remediation, would need to be considered and evaluated.

Upon confirmation of an exceeding sample, additional neighboring delineation sampling will be conducted based on a “step-out” approach. Step sizes and directions will be dependent on the location of the exceeding sample and perhaps the magnitude of the exceedance. Additional

biased step-out or step-in sampling may be conducted to further refine the extent of the required removal. Each removal will be followed by confirmatory sampling. More detail on this approach is provided in the Statistical Methodology Report.

After the above intermediate removals, results associated with removed exceeding samples will be marked as excluded from the dataset, while non-exceeding delineation and confirmation data will be included in the dataset. The revised dataset will then be subjected to the above exceeding sample determination process, which will be repeated until all exceeding samples are adequately addressed.

4.3 FINAL CONFIRMATION DATASET

At this stage, the final confirmation soil dataset for the Site, consisting of: 1) the original non-exceeding confirmation data collected in accordance with this SAP[26] for the Site; 2) the non-exceeding data generated after intermediate sampling and cleanup, and 3) additional biased and random samples collected for confirmation, will be subjected to a series of statistical analyses in order to determine representative exposure concentrations for that sub-area, as described in the Statistical Methodology Report.

4.4 SOIL VAPOR FLUX SAMPLING

Concurrent with the confirmation soil sampling, BRC will implement soil vapor flux sampling across the Site. This SAP refers to and relies on the most recent NDEP-approved version of Standard Operating Procedure (SOP) 16 for technical description of sampling and analytical methodology, QA/QC protocols, and project procedural description. The sampling procedure for the effort includes the USEPA surface emission isolation flux chamber (flux chamber) and static chamber sampling to perform an air pathway analysis (APA) for the Site. A description of the history, background, and operation of the USEPA-recommended flux chamber and radon flux approach is provided in SOP-16.

The flux chamber sample collection rationale is based on the project goal of obtaining a representative dataset of air emissions per sub-area. Flux chamber samples will be collected from each of the 3-acre grid cells. Soil vapor flux sampling locations will coincide with a biased sampling location, if any, in a given cell; if none are present, the soil vapor flux sampling will be

[26] As distinguished from the historical "confirmation" sampling data collected as part of or immediately after the IRM, which will not be included in the risk assessment dataset.

performed at the grid-specific random sampling location. This approach results in 92 soil vapor flux sampling locations, indicated on Figure 9, providing full spatial coverage of the Site. All of the flux chamber samples will be tested for both VOC flux and radon flux, and this density of sample collection should be adequate for sub-area characterization given: the random nature of the sample locations, the size of the sub-area, and the number of sample locations suggested by the USEPA (1986) in the flux chamber User's Guide for assessing zones of homogeneous site properties. A higher density of sample collection for VOCs is not warranted given the general lack of VOC detections in soils and groundwater.

4.5 CHEMICALS SELECTED FOR ANALYSIS

The proposed analyte list for soil samples is comprised of the BRC project SRC list, as presented in the Closure Plan[27] and Table 5, with the following exceptions for this Site:

- Asbestos, dioxins/furans and PCBs will only be analyzed for in surface soil samples;
- Only acetaldehyde and formaldehyde will be analyzed for by USEPA Method 8315A (chloroacetaldehyde, dichloroacetaldehyde, and trichloroacetaldehyde removed based on the *Revisions to the Analyte List Technical Memorandum* approved by NDEP on October 16, 2008);
- The following metals will not be analyzed for: niobium, palladium, platinum, silicon, sulfur, and zirconium (removed based on the *Revisions to the Analyte List Technical Memorandum* approved by NDEP on October 16, 2008);
- Aroclors will be analyzed by USEPA Method 8082 only if the results of the analysis of total PCB congeners are greater than 33 ppb, which coincides with the standard reporting limit for this analysis;
- USEPA Method 8141A for organophosphorus pesticides will not be conducted. There have been only 47 detections of these compounds in over 10,000 soil sample records (<0.5 percent) from throughout the Eastside, and no detections in any of the soil samples collected within the Site;

[27] Specific analytes and analyte-specific reporting limits for each analysis are listed in Table 4 of the QAPP.

- USEPA Method 8151A for chlorinated herbicides will not be conducted. There have been no detections of these compounds in over 1,400 soil sample records from throughout the Eastside, including those associated with ten soil samples collected within the Site. Detection limits are below the BCL_{RS};

- HPLC Method for organic acids will not be conducted. There have been only three detections of these compounds in 567 soil sample records (<0.5 percent) from throughout the Eastside, including those associated with nine soil samples collected within the Site. Detection limits are below the BCL_{RS};

- USEPA Method 8015B for nonhalogenated organics will not be conducted. There have been only five detections of these compounds in 420 soil sample records (one percent) from throughout the Eastside. Of these, fifteen samples were collected within the Site; nonhalogenated organics were not detected in the Site samples. Detection limits and the few detections have been well below the BCL_{RS};

- USEPA Method 8015 for total petroleum hydrocarbons (TPH) will not be conducted. There have been only three detections of these compounds in over 299 soil sample records (one percent) from throughout the Eastside. Only one sample from the uppermost ten feet bgs was subjected to TPH analysis from the Site (Table B-10); TPH was not detected in that sample or in two others collected from greater depths in that boring (DBMW-9). The few detections have been below 100 mg/kg, which is the typical low-end aesthetic threshold used for these compounds. While TPH is not proposed for analysis, its components are via other methods. In addition, TPH cannot be included in a risk assessment while its components can; and

- Consistent with the current project analyte list, the following radionuclides will be analyzed for: radium-226, radium-228, thorium-228, thorium-230, thorium-232, uranium-233/234, uranium-235/236, and uranium-238. Activities for other radionuclides on the project SRC list may be back-quantitated; however, the main radionuclides listed above will likely provide information sufficient to perform a risk assessment. In addition, if the radionuclide activities are similar to background, then back-quantitation will be unnecessary and will not be performed.

The analyte list, as proposed in this SAP for the Site, consists of 307 of the 418 compounds (including water only parameters) on the project SRC list as well as physical parameters (Section 5.2.3) to support the evaluation of potential impacts to groundwater from migration of chemicals from soil. The analytical and preparatory methods used in accordance with this SAP adhere to

the most recent version of the QAPP (BRC and ERM 2009), which has been revised to ensure appropriate comparisons to the background dataset. The proposed analyte list for soil vapor flux samples is comprised of the list provided in the most recent NDEP-approved version of SOP-16 (see the *BRC Field Sampling and Standard Operating Procedures* [FSSOP]; BRC, ERM and MWH 2008), including radon. This analyte list is provided in Table 6.

5.0 FIELD AND LABORATORY METHODS

5.1 FIELD METHODS

All Site work will be performed under the responsible control and direction of a Nevada State Certified Environmental Manager. All sampling and sample handling procedures will be consistent with the NDEP-approved BRC FSSOP (BRC, ERM and MWH 2008). In accordance with applicable federal regulation (Title 29, Code of Federal Regulations [CFR] Section 1910.120) all field activities will be performed in compliance with the *BRC Health and Safety Plan* (BRC and MWH 2005).

Pre-field and field activities will be conducted in accordance with the most recent NDEP-approved versions of applicable SOPs (BRC, ERM and MWH 2008). These SOPs include SOP-1 (Drilling Methods), SOP-6 (Sample Management and Shipping), SOP-7 (Soil Sampling), SOP-10 (Surveying), SOP-12 (Asbestos Soil Sampling), SOP-13 (Field Equipment Calibration Procedures), SOP-14 (Field Documentation), SOP-15 (Field Logbook), SOP-16 (Flux Chamber Source Testing), SOP-17, (Soil Logging), SOP-23 (Split Spoon Sampling), SOP-26 (Soil Grab Sampling), and SOP-39 (Photoionization Detector Screening).

The BRC QAPP (BRC and ERM 2009) and Health and Safety Plan (BRC and MWH 2005) prepared for the BMI Common Areas will be used for this proposed scope of work. The selected driller will notify the Underground Services Alert one-call notification system at least 48 hours before implementing any subsurface activities. BRC will also notify the NDEP at least one week prior to commencing field activities. Once the data are collected, BRC will subject the data to validation per procedures agreed to previously with the NDEP and consistent with the BRC QAPP (BRC and ERM 2009) and SOP-40.

Soil cuttings generated during soil sampling and Hollow Stem Auger (HSA) drilling activities will be collected and stored with the other remediation waste and sent to the CAMU.

5.2 LABORATORY METHODS

Samples submitted for laboratory analysis will be analyzed in accordance with approved methodologies by a State of Nevada-certified analytical laboratory. Samples not specified for analysis will be placed on hold pending the results of the initial analysis.

5.2.1 Soil Chemical Analyses

BRC's current analyte list as approved by the NDEP is presented in Table 4 of the QAPP. Table 5 of this SAP identifies the complete list of analytes proposed for analysis of soil samples along with the appropriate analytical methods. An explanation for the exclusion of a chemical for analysis is provided in Table 5 of this SAP.

5.2.2 Soil Vapor Flux Analyses

As indicated in Table 6, all flux chamber samples will be analyzed by USEPA Method TO-15 full scan, and selective ion mode analyses on a sub-set of VOCs to achieve the lowest attainable method detection limits for the target list of study compounds (see most recent version of SOP-16). All samples will be analyzed for the target list with optimum method detection limits so that these data can be used to satisfy the sensitivity requirements of the human health risk assessment.

5.2.3 Soil Physical Parameters

In addition to chemical data, to support the evaluation of potential impacts to groundwater, soil physical properties will also be measured. These parameters will be collected to support the migration to groundwater calculations included in the Closure Plan, consistent with the USEPA Soil Screening Guidance (1996; 2000; 2002), as well as more refined modeling tools (such as, VLEACH, SESOIL, and PESTAN). Site-specific soil physical parameters to be measured include pH (USEPA Method 9045C), cation exchange capacity, dry bulk density, Soil permeability/saturated hydraulic conductivity, specific gravity, total porosity, volumetric water content, grain size analysis by sieve and hydrometer, and fractional organic carbon content (see Table 5). These soil physical parameters will be measured from each of the subsurface samples collected from the three deep sample locations at the Site (see Figure 9). This will ensure that soil physical parameters will be measured at various depths from across the Site so that all sample depths are represented. In addition, samples will be collected from three subsurface sample locations (see Figure 9 and Table 4) for conducting the synthetic precipitation leaching procedure (SPLP; USEPA Method 1312) with the extract analyzed for metals, organochlorine pesticides, SVOCs, radium-226, radium-228, and perchlorate. These analytes are considered those of greatest concern for potential migration and impacts to groundwater. These SPLP sample locations will be within unremediated ponds in the west, central, and east portions of the Site.

6.0 REPORTING AND SCHEDULING

After approval of the SAP by NDEP, BRC is prepared to promptly initiate field activities. BRC will be directly in charge of sampling with oversight conducted by NDEP. As discussed in Section 3.4.3 sampling activities are anticipated to be completed over a one to three month period, and laboratory analyses to be completed within a five to six-week period following field work completion. Once the data are collected, BRC will subject the data to validation per procedures agreed to previously with the NDEP and consistent with the BRC QAPP (BRC and ERM 2009) and SOP-40 (BRC, ERM and MWH 2008). Only those data determined by the QA/QC review to be suitable for use will be considered for the site dataset. A separate DVSR will be prepared and submitted to NDEP.

Upon receipt of laboratory analytical results and following data validation, a risk assessment will be conducted by BRC (in consultation with NDEP) to evaluate the risks posed to human health and the environment by chemicals remaining in Site soils. The risk assessment will be conducted in accordance with the Risk Assessment Methodology provided in the Closure Plan. As stated in the Closure Plan:

> …risk assessment will not be initiated unless proper data sufficiency, representativeness, and adequacy analysis is first achieved. If necessary, additional data will be gathered or analyzed to meet the goals of data quality required for risk assessment. The risk assessment will, in turn, help to assure that these data characteristics are properly evaluated. Once risk assessment is completed, the assessment will be made as to whether the remediation conducted meets cleanup goals. If cleanup goals are not achieved, additional remediation, associated confirmation sampling, and assessment cycles will be conducted until a decision end point is reached – namely that the cleanup goals are either met (and the NFAD is issued or Site Closure is achieved, as the case may be) or proven infeasible because it is technically impractical or too costly, in which case changes in land use or institutional controls may be considered.

BRC will perform risk assessment calculations to justify additional remediation or sampling; however, these interim risk assessments will not be submitted to the NDEP. It is expected that the interim decisions (to support additional sampling or remediation) will be discussed with the NDEP on an informal but regular basis. Any additional sampling and remediation will be addressed as an addendum to this SAP.

The risk assessment report will be an inclusive report that will also contain the following items:

- A summary of the sampling procedures conducted;
- Sampling location map;
- Soil boring logs;
- An evaluation and summary of the collected data;
- Tables(s) summarizing soil results; and
- If appropriate, plan view maps indicating the locations of detected constituents in soil.

As noted above, completion of the risk assessment will be an iterative process. Once the risk assessment passes internal BRC review, with NDEP consultation, and meets the risk goals stated in the Closure Plan, the risk assessment report will be submitted to the NDEP, along with an NFAD request for the Site, in accordance with AOC3. That is, the risk assessment report will be prepared and submitted to the NDEP only when BRC is comfortable that acceptable human health risks have been attained.

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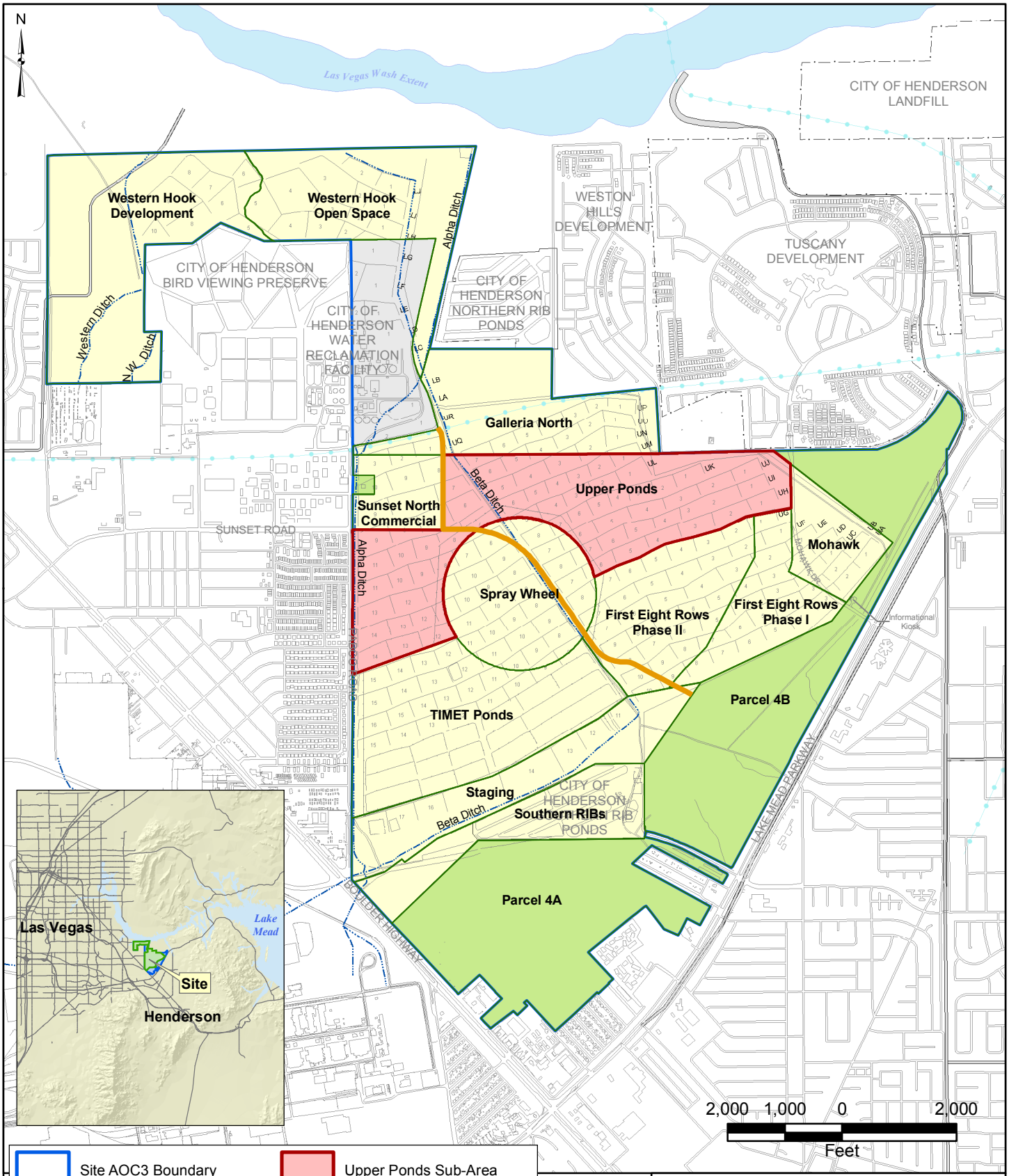
FIGURES



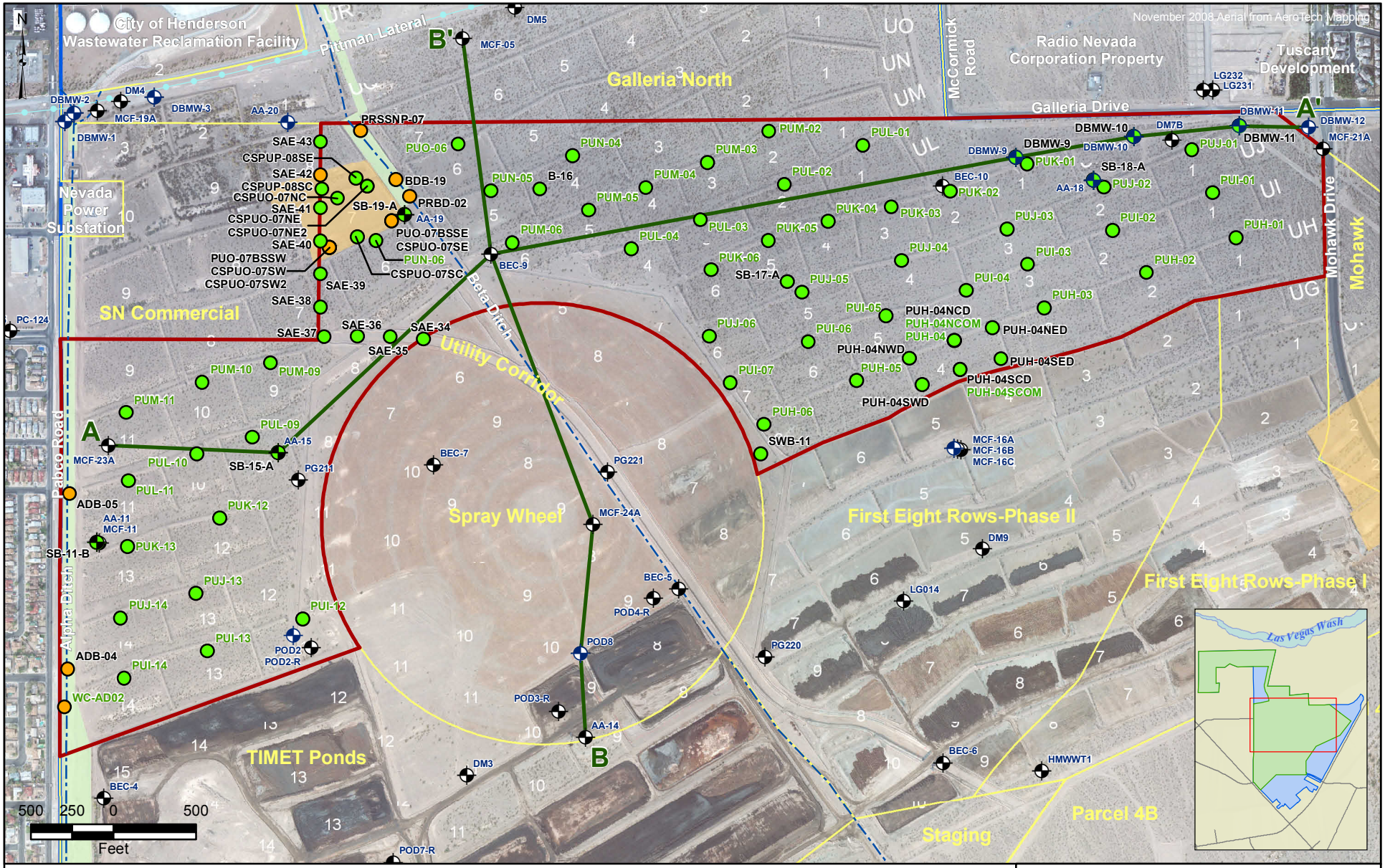
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE 1

UPPER PONDS SUB-AREA LOCATION

Basic Remediation COMPANY

Prepared by:	Date	JOB No. 0064276
MKJ	04/14/09	FILE: GIS/BRC/UPPER-PONDS_SAP/FIGURE_1.MXD



Upper Ponds Sub-Area

Site AOC3 Boundary

Eastside Soil Sub-Areas

Interim Remedial Measure Areas

Tamarisk Removal Area

Cross-Section Location

Monitoring Wells

Alluvial Wells with Groundwater Data

Other Monitoring Wells

Historical Soil Sample Location

Soil Sample Location

Sample Location with Surface Soil Removal

ADB-04 - Discrete Sample

PUH-02 - Composite Sample

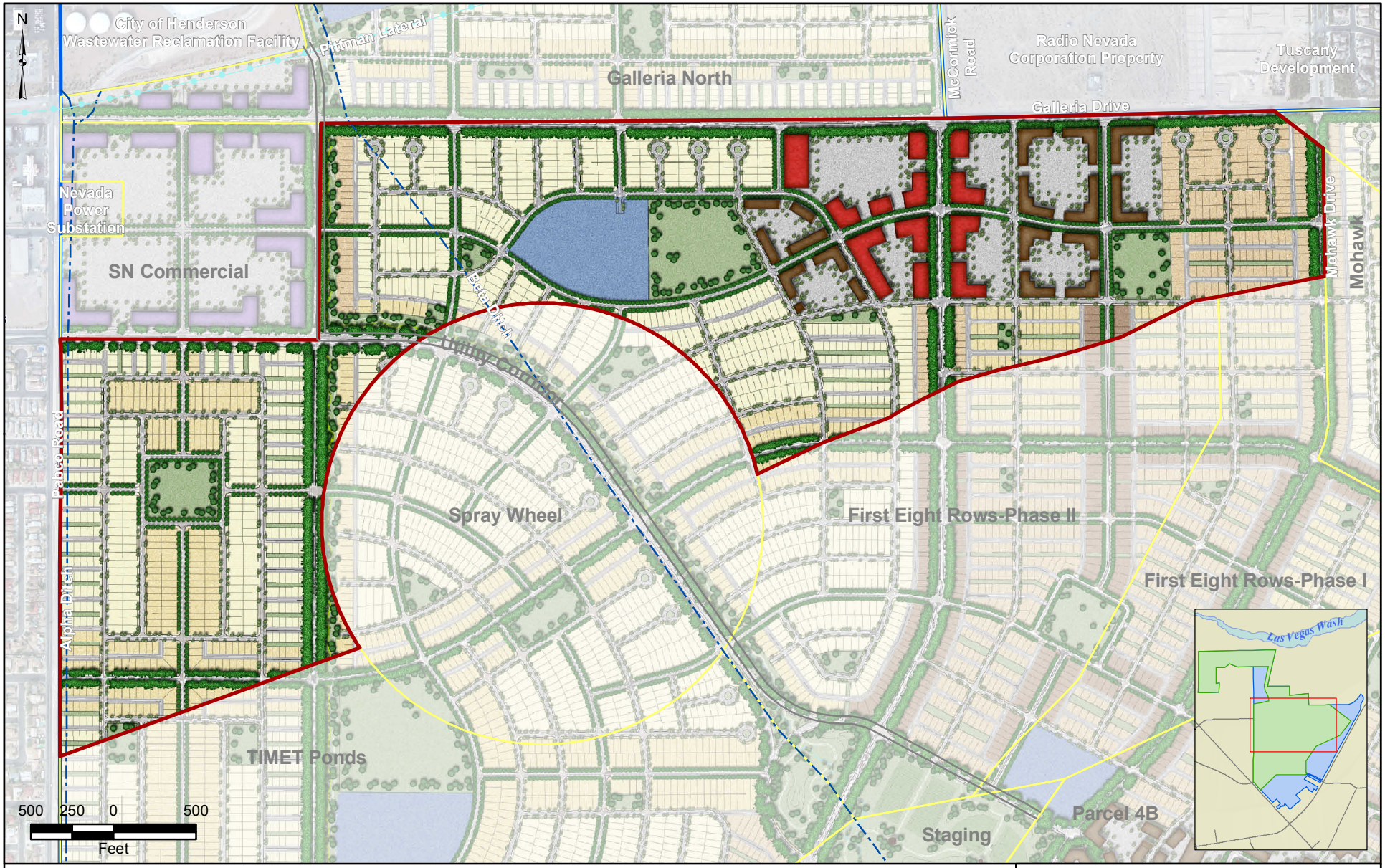
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE 2

SITE PLAN WITH HISTORIC SOIL SAMPLE LOCATIONS AND MONITORING WELLS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	04/14/09	FILE: GIS/BRC/UPPER-PONDS_SAP/FIGURE_2.MXD



Upper Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas
Pittman Lateral

Current Development Plan

High Density Residential
Medium Density Residential
Low Density Residential
Commercial
Schools
Urban Core
Parks & Trails
Roads/Parking

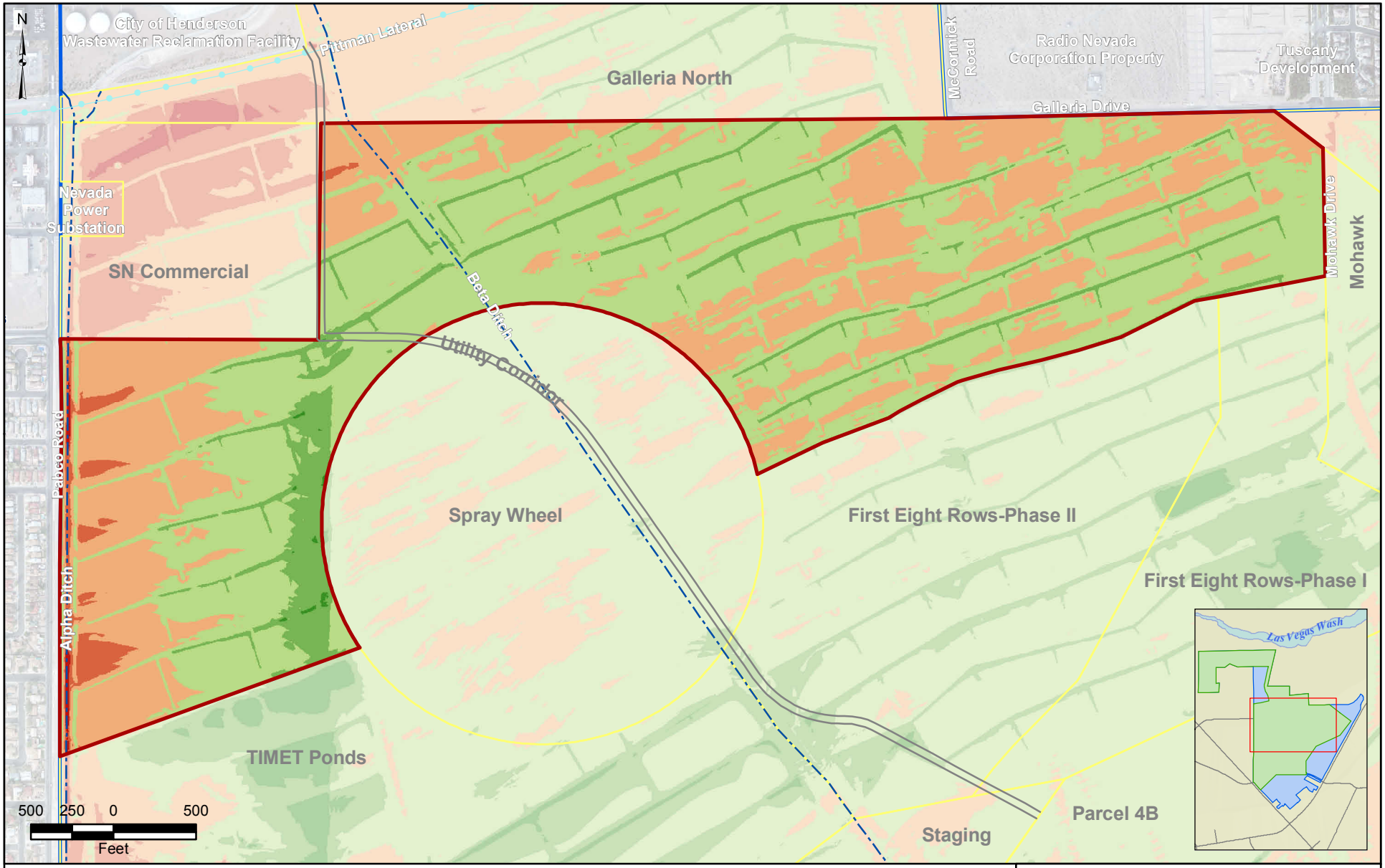
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE 3

CURRENT DEVELOPMENT PLAN

Basic Remediation COMPANY

Prepared by MKJ (ERM)	ERM	Date 04/14/09	JOB No. 0064276 FILE: GIS/BRC/UPPER-PONDS_SAP/FIGURES_3-4.MXD



Upper Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas
Pittman Lateral

Development Cut/Fill Areas

- > 10 Ft Fill
- 5 to 10 Ft Fill
- 0 to 5 Ft Fill
- No Change
- 0 to 5 Ft Cut
- 5 to 10 Ft Cut
- > 10 Ft Cut

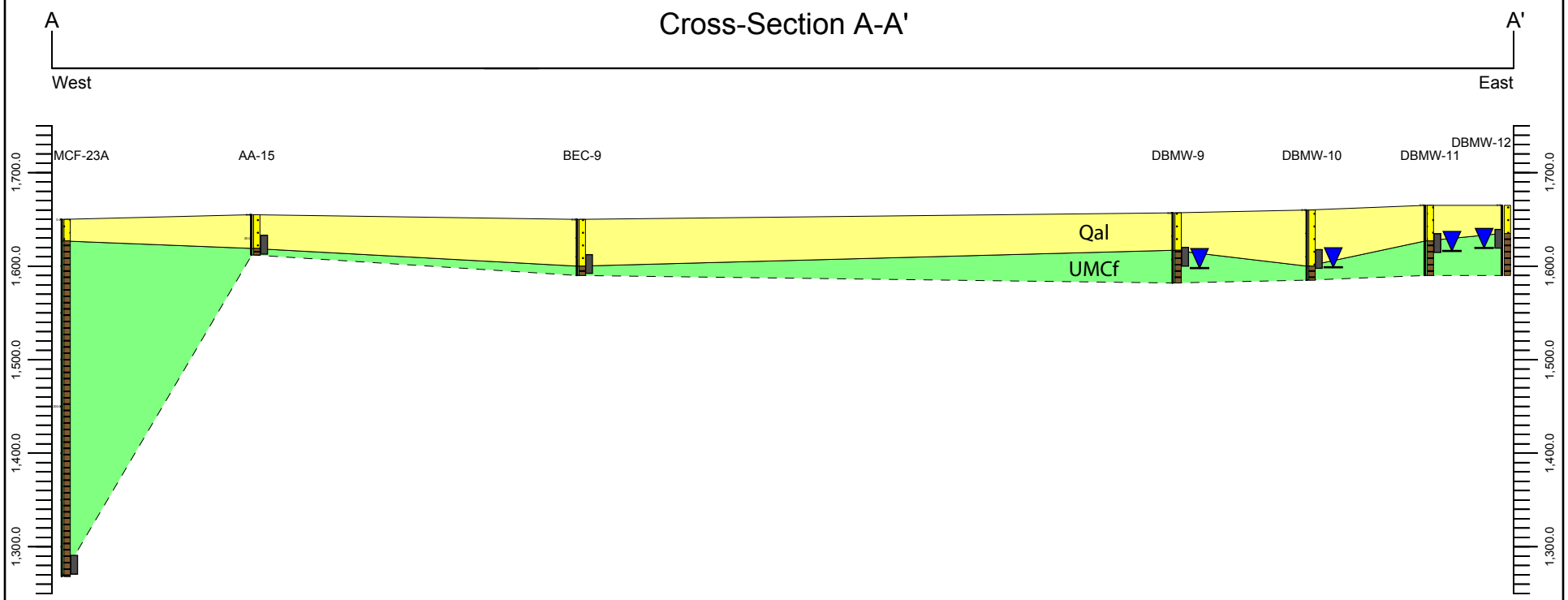
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE 4

CURRENT GRADING PLAN

Basic Remediation COMPANY

Prepared by MKJ (ERM)	ERM	Date 04/14/09	JOB No. 0064276 FILE: GIS/BRC/UPPER-PONDS_SAP/FIGURES_3-4.MXD



▮ = Screen Interval

▼ = Shallow Zone Water Level (Apr-May 2008)

▫ = Qal = Quaternary alluvium

▮ = UMCf = Upper Muddy Creek formation

Vertical Scale = 5x Horizonal Scale

For soil lithology details, please see the individual boring logs.

See Figure 2 for cross-section location.

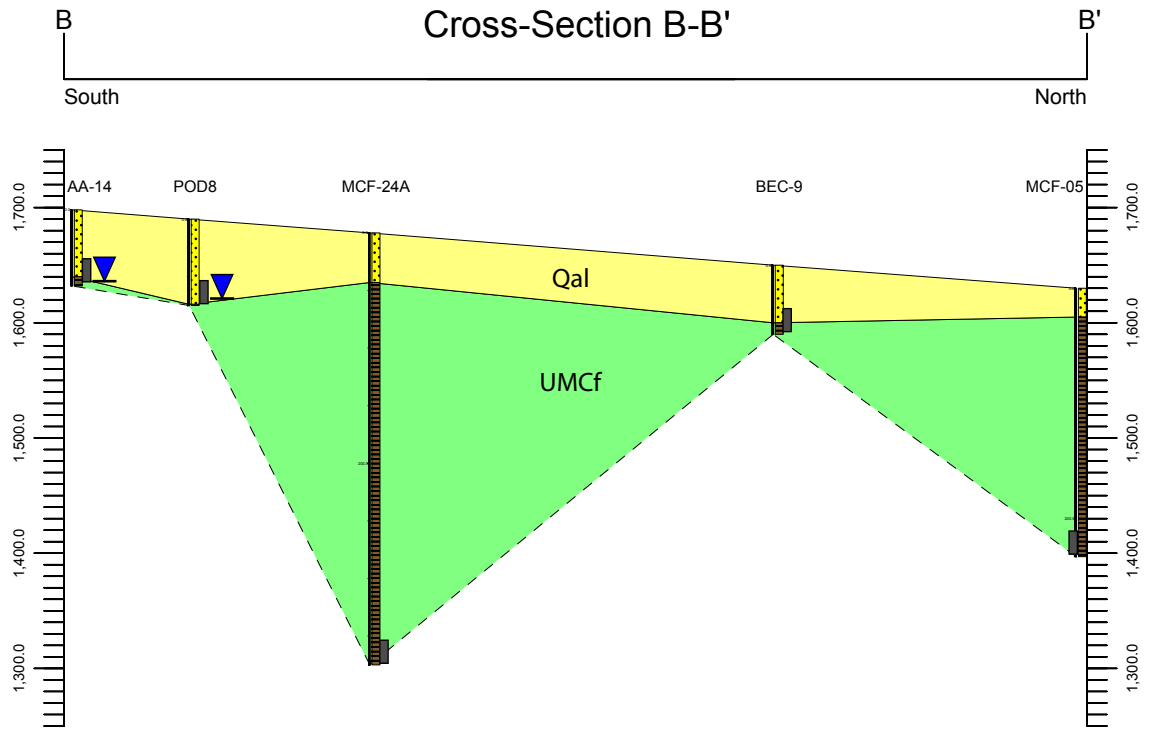
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE 5

UPPER PONDS
SUB-AREA
CROSS-SECTION A-A'

Basic Remediation COMPANY

Prepared by MKJ (ERM)	ERM	Date 04/14/09	JOB No. 0064276 FILE: GIS/BRC/UPPER-PONDS_SAP/FIGURE_5.AI



= Screen Interval

= Shallow Zone Water Level (Apr-May 2008)

= Qal = Quaternary alluvium

= UMCf = Upper Muddy Creek formation

Vertical Scale = 5x Horizonal Scale

For soil lithology details, please see the individual boring logs.

See Figure 2 for cross-section location.

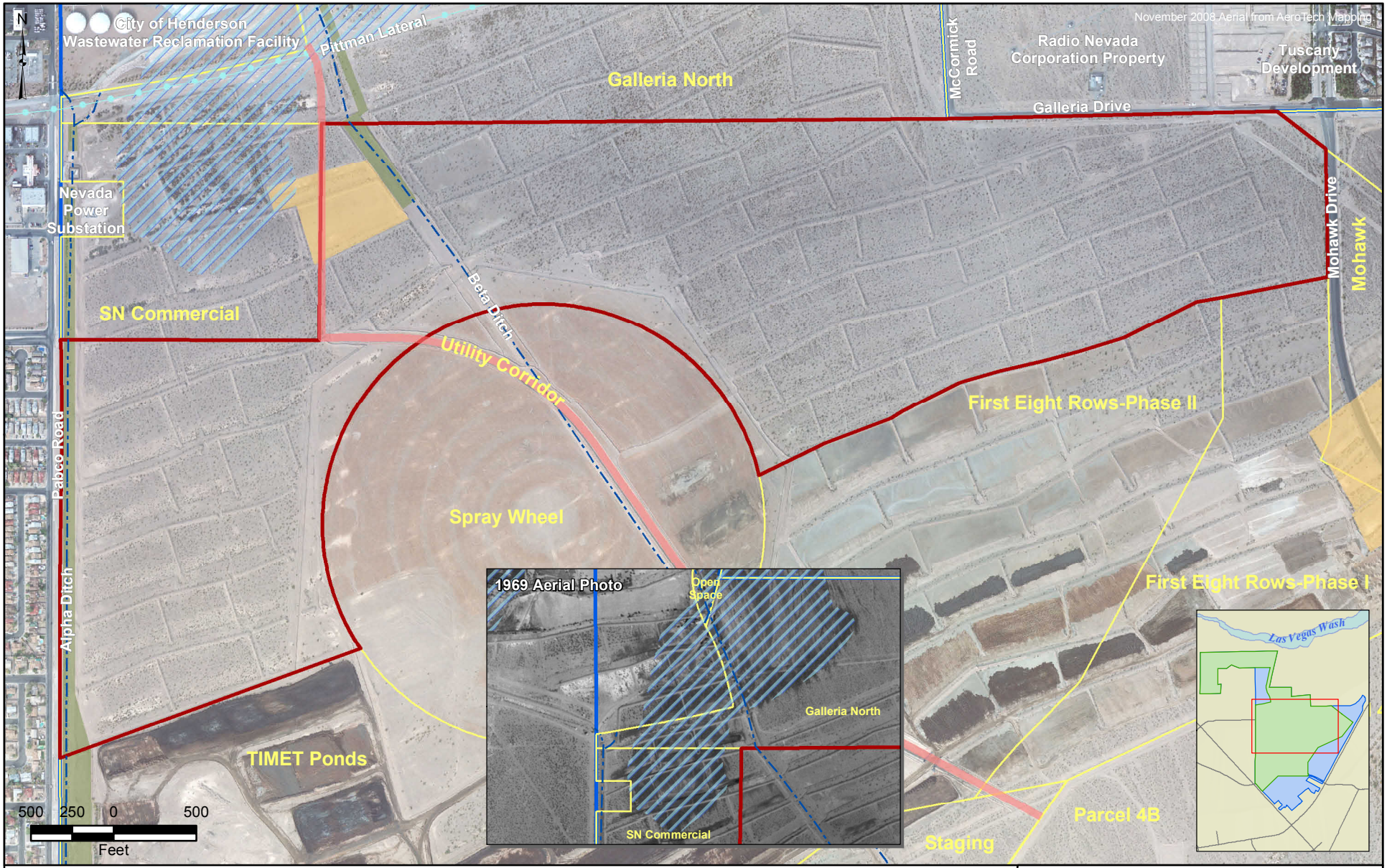
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE 6

UPPER PONDS
SUB-AREA
CROSS-SECTION B-B'

Basic Remediation COMPANY

Prepared by MKJ (ERM)	ERM	Date 04/14/09	JOB No. 0064276 FILE: GIS/BRC/UPPER-PONDS_SAP/FIGURE_6.AI



Upper Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas
Interim Remedial Measure Areas
Tamarisk Removal Area
Utility Corridor Sub-Area
Approximate Historical Seep Areas

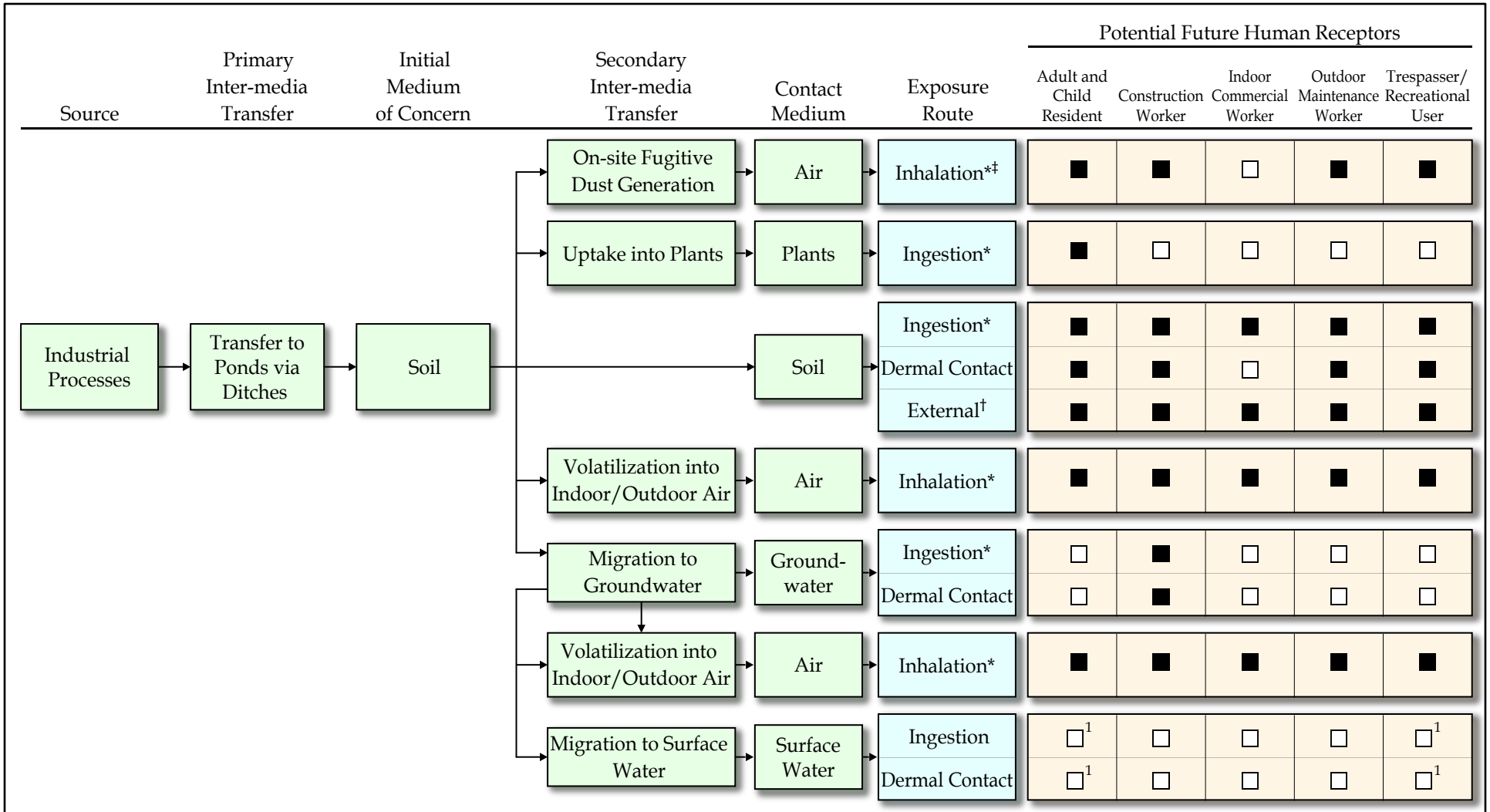
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE 7

HISTORICAL SOIL REMOVAL AREAS AND SEEP AREAS

Basic Remediation COMPANY

Prepared by MKJ (ERM)	Date 04/14/09	JOB No. 0064276 FILE: GIS/BRC/UPPER-PONDS_SAP/FIGURE_2.MXD



□ - Incomplete or insignificant exposure pathway.

■ - Complete or potentially complete exposure pathway.

[1]Potentially complete exposure pathway following discharge to Las Vegas Wash and Lake Mead.

*Includes radionuclide exposures.

†Only radionuclide exposures.

‡Includes asbestos exposures.

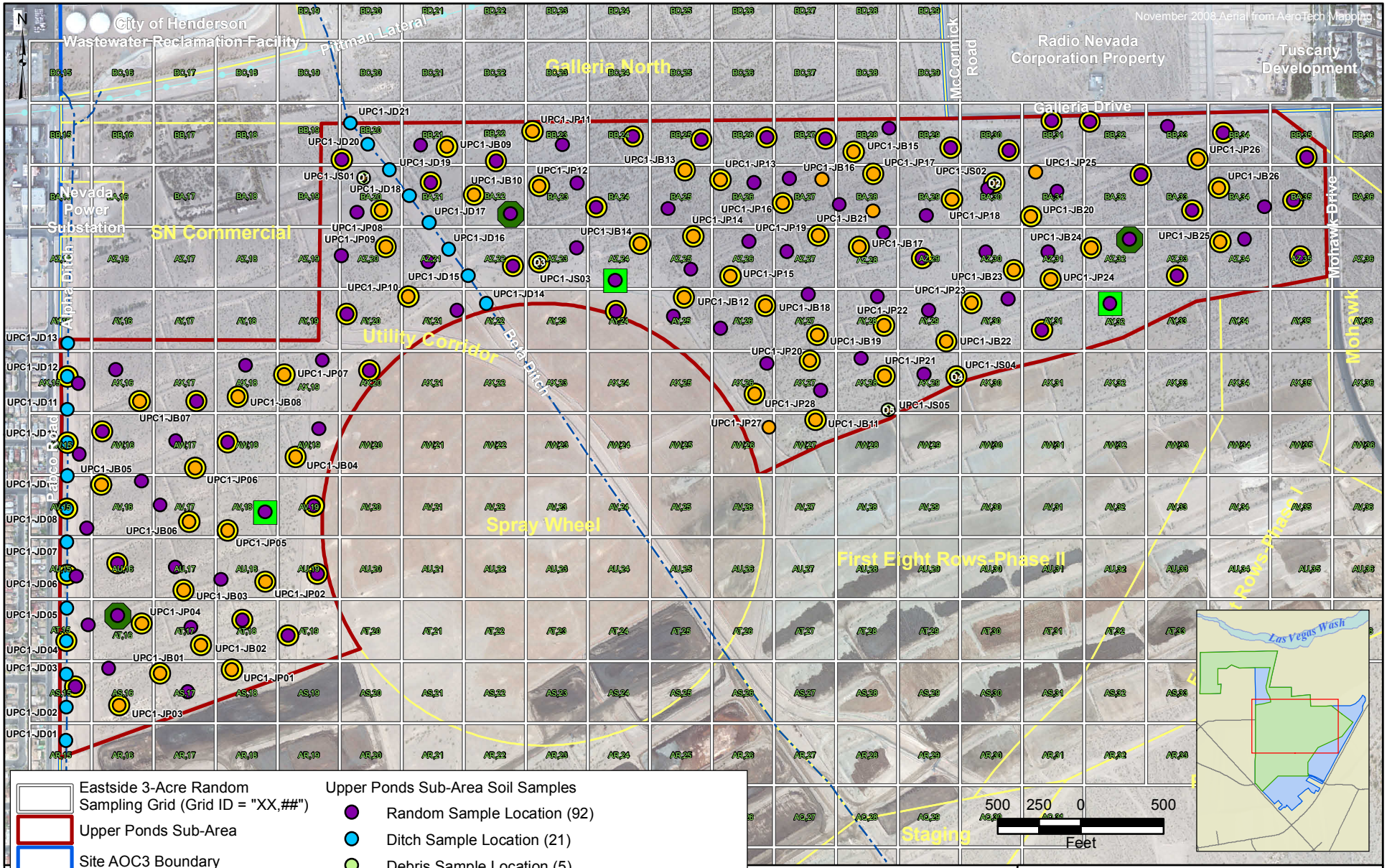
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE 8

CONCEPTUAL SITE MODEL DIAGRAM FOR POTENTIAL HUMAN EXPOSURES

Basic Remediation COMPANY

Prepared by MKJ (ERM) | ERM | Date 04/14/09 | JOB No. 0064276 | FILE: GIS/BRC/UPPER-PONDS_SAP/FIGURE_8.AI



Eastside 3-Acre Random Sampling Grid (Grid ID = "XX,##")

Upper Ponds Sub-Area

Site AOC3 Boundary

Eastside Soil Sub-Areas

2008 Survey Debris Locations

Upper Ponds Sub-Area Soil Samples

Random Sample Location (92)

Ditch Sample Location (21)

Debris Sample Location (5)

Other Biased Sample Locations (Ponds/Berms) (54)

Surface Flux Sample Location (92)

Deep Sample Location (3; to GW). Deep sample locations will be analyzed for soil physical parameters (see Table 4).

SPLP Sample Location (3; subsurface)

Note: Sample ID's are shown for ditch, debris, berm, and pond sample locations. Sample ID's for random samples correspond to the grid cell ID.

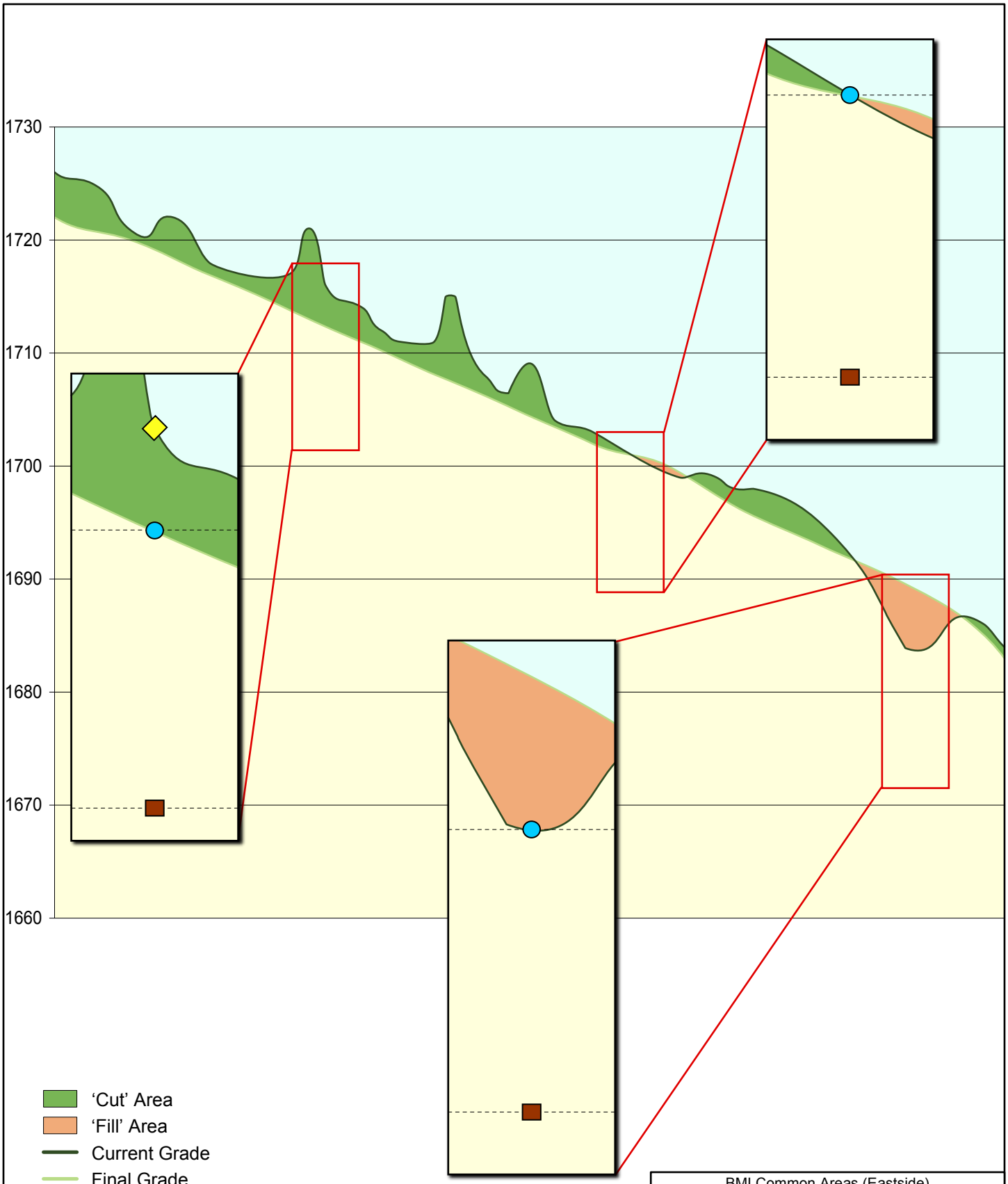
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE 9

PROPOSED SOIL AND SOIL VAPOR FLUX SAMPLING LOCATIONS

Basic Remediation COMPANY

Prepared by MKJ (ERM)	ERM	Date 04/14/09	JOB No. 0064276 FILE: GIS/BRC/UPPER-PONDS_SAP/FIGURE_9.MXD



'Cut' Area
'Fill' Area
Current Grade
Final Grade
Surface (0-2' depth) sample
Subsurface (2'-10' depth) sample
Fill material sample
Vertical scale exaggerated 5x.

BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE 10

SAMPLE DEPTH
RULES SCHEMATIC

Basic Remediation COMPANY

Prepared by MKJ (ERM) | ERM | Date 04/14/09 | JOB No. 0064276 FILE: GIS/BRC/UPPER-PONDS_SAP/FIGURE_10.AI

TABLES

TABLE 1
SUMMARY OF POST-IRM SOIL CHEMICAL DATA
UPPER PONDS SUB-AREA
(Page 1 of 6)

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							Resident Soil BCL	Count of Detects > BCL	USEPA SSL (DAF 1)	Count of Detects > DAF 1	USEPA SSL (DAF 20)	Count of Detects > DAF 20	Max. Bkgrnd[b]	Count of Detects > Bkgrnd
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max								
Alcohols/Glycols	Ethanol	mg/kg	15	0%	15	0.19	0.2	51	31	52	53	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Ethylene glycol	mg/kg	9	0%	9	51	51	51	52	53	53	0	--	--	--	--	--	--	100000	--	--	--	--	--	--	--
	Methanol	mg/kg	9	0%	9	51	51	51	52	53	53	0	--	--	--	--	--	--	30600	--	--	--	--	--	--	--
	Propylene glycol	mg/kg	9	0%	9	51	51	51	52	53	53	0	--	--	--	--	--	--	30000	--	--	--	--	--	--	--
Aldehydes	Acetaldehyde	mg/kg	9	33%	6	0.2	0.2	0.21	0.21	0.21	0.22	3	0.048	0.048	0.048	0.051	0.056	0.056	10.9	0	--	--	--	--	--	--
	Formaldehyde	mg/kg	9	89%	1	0.11	--	0.11	0.11	--	0.11	8	0.11	0.17	0.3	0.3	0.44	0.5	10.6	0	--	--	--	--	--	--
Dioxins/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	13	54%	6	0.35	0.45	0.54	0.79	1.2	1.8	7	3.2	3.9	6.7	40	64	140	--	--	--	--	--	--	--	--
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	13	23%	10	0.35	0.73	0.95	0.96	1.2	1.6	3	5	5	8.2	7.7	9.8	9.8	--	--	--	--	--	--	--	--
	1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	13	23%	10	0.42	0.63	0.93	1.1	1.7	2.5	3	22	22	31	37	58	58	--	--	--	--	--	--	--	--
	1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	12	25%	9	0.33	0.42	0.73	1	1.7	2.3	3	3.8	3.8	19	24	49	49	--	--	--	--	--	--	--	--
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	12	0%	12	0.3	0.48	0.65	0.75	1.1	1.5	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	12	25%	9	0.32	0.41	0.71	0.71	0.88	1.5	3	2.7	2.7	16	16	29	29	--	--	--	--	--	--	--	--
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	12	0%	12	0.27	0.44	0.61	0.89	1.2	2.3	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	12	8%	11	0.33	0.34	0.5	0.66	0.62	2.2	1	5.4	--	5.4	5.4	--	5.4	--	--	--	--	--	--	--	--
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	12	0%	12	0.25	0.43	0.55	0.8	1.1	2.5	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1,2,3,7,8-Pentachlorodibenzofuran	pg/g	12	17%	10	0.4	0.46	0.74	0.88	1	2.4	2	11	--	19	19	--	27	--	--	--	--	--	--	--	--
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	12	0%	12	0.55	0.64	0.81	1	1.4	2	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	12	17%	10	0.34	0.38	0.46	0.54	0.63	1.1	2	5	--	6.9	6.9	--	8.8	--	--	--	--	--	--	--	--
	2,3,4,7,8-Pentachlorodibenzofuran	pg/g	12	17%	10	0.38	0.42	0.54	0.63	0.79	1.1	2	4.7	--	8.4	8.4	--	12	--	--	--	--	--	--	--	--
	2,3,7,8-Tetrachlorodibenzofuran	pg/g	12	33%	8	0.23	0.31	0.39	0.4	0.51	0.52	4	1.1	1.1	3.1	10	26	33	--	--	--	--	--	--	--	--
	2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	12	8%	11	0.24	0.34	0.39	0.44	0.46	0.91	1	0.86	--	0.86	0.86	--	0.86	--	--	--	--	--	--	--	--
	Octachlorodibenzodioxin	pg/g	13	15%	11	0.92	1.3	2.2	2.2	2.5	4	2	12	--	22	22	--	32	--	--	--	--	--	--	--	--
	Octachlorodibenzofuran	pg/g	13	54%	6	1.3	1.8	2.3	2.5	3.5	3.9	7	14	17	47	430	290	2500	--	--	--	--	--	--	--	--
	TCDD TEQ	pg/g	--	--[c]	--	--	--	--	--	--	--	--	0.83	0.9	1.1	3.6	2	24.1	50	0	--	--	--	--	--	--
General Chemistry	Ammonia	mg/kg	9	0%	9	0.51	0.51	0.51	0.52	0.53	0.53	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Bicarbonate alkalinity	mg/kg	3	100%	0	--	--	--	--	--	--	3	350	350	390	400	450	450	--	--	--	--	--	--	--	--
	Bromide	mg/kg	15	13%	1300%	0.063	0.065	2.5	1.4	2.6	2.7	2	1.7	--	1.9	1.9	--	2.1	--	--	--	--	--	--	--	--
	Bromide	mg/kg	6	0%	6	5	5	5.2	5.1	5.2	5.2	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Carbonate alkalinity	mg/kg	3	33%	2	25	--	25	25	--	25	1	66	--	66	66	--	66	--	--	--	--	--	--	--	--
	Chlorate	mg/kg	29	48%	15	0.052	1	1	1.3	2.1	2.1	14	0.01	0.01	0.07	1	1.4	5.5	--	--	--	--	--	--	--	--
	Chloride	mg/kg	31	100%	0	--	--	--	--	--	--	31	1.1	3.3	8.9	77	100	754	--	--	--	--	--	--	1110	0
	Chlorine	mg/kg	6	100%	0	--	--	--	--	--	--	6	5.6	6.4	8.4	74	210	208	7820	0	--	--	--	--	--	--
	Cyanide (Total)	mg/kg	24	8%	22	0.12	0.53	1	0.83	1	1.2	2	1	--	5.3	5.3	--	9.5	1220	0	2	1	40	0	--	--
	Fluoride	mg/kg	15	60%	6	0.25	0.25	0.26	0.38	0.45	1	9	0.24	0.28	1	1.8	3	6.9	3670	0	--	--	--	--	2.5	2
	Iodide	mg/kg	9	0%	9	5.1	5.1	5.1	5.2	5.3	5.3	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Nitrate (as N)	mg/kg	15	87%	2	0.21	--	0.21	0.21	--	0.21	13	0.53	0.79	1.5	8.1	11	37.6	--	--	--	--	--	--	102	0
	Nitrite (as N)	mg/kg	15	27%	11	0.051	0.2	0.21	0.45	0.52	2.1	4	0.28	0.28	0.39	0.67	1.3	1.6	--	--	--	--	--	--	0.21	4
	Orthophosphate as P	mg/kg	15	20%	12	1.6	1.7	3.4	3.4	5.3	5.3	3	0.81	0.81	1.3	1.2	1.6	1.6	--	--	--	--	--	--	--	--
	Perchlorate	mg/kg	39	87%	5	0.04	0.04	0.04	0.04	0.04	0.04	34	0.011	0.061	0.15	0.37	0.44	3.23	54.8	0	--	--	--	--	--	--
	Sulfate	mg/kg	15	100%	0	--	--	--	--	--	--	15	23	52	89	290	430	1360	--	--	--	--	--	--	4130	0
	Sulfide	mg/kg	9	11%	8	10	10	10	10	11	10.7	1	13	--	13	13	--	12.8	--	--	--	--	--	--	--	--
	Total Kjeldahl Nitrogen (TKN)	mg/kg	15	60%	6	2.6	2.6	2.7	4.3	5.2	12.5	9	24	44	71	69	83	133	--	--	--	--	--	--	--	--
Chlorinated Herbicides	2,2-Dichloropropionic acid	mg/kg	9	0%	9	0.041	0.041	0.041	0.042	0.043	0.043	0	--	--	--	--	--	--	1830	--	--	--	--	--	--	--
	2,4,5-T	mg/kg	10	0%	10	0.0052	0.02	0.021	0.019	0.021	0.021	0	--	--	--	--	--	--	611	--	--	--	--	--	--	--
	2,4,5-TP	mg/kg	10	0%	10	0.0033	0.02	0.021	0.019	0.021	0.021	0	--	--	--	--	--	--	489	--	--	--	--	--	--	--
	2,4-D	mg/kg	10	0%	10	0.03	0.082	0.082	0.078	0.085	0.085	0	--	--	--	--	--	--	686	--	--	--	--	--	--	--
	4-(2,4-Dichlorophenoxy)butyric acid	mg/kg	9	0%	9	0.081	0.082	0.082	0.083	0.085	0.085	0	--	--	--	--	--	--	489	--	--	--	--	--	--	--
	Dicamba	mg/kg	9	0%	9	0.041	0.041	0.041	0.042	0.043	0.043	0	--	--	--	--	--	--	1830	--	--	--	--	--	--	--
	Dichlorprop	mg/kg	9	0%	9	0.081	0.082	0.082	0.083	0.085	0.085	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Dinitrobutyl phenol	mg/kg	10	0%	10	0.0061	0.012	0.013	0.017	0.026	0.026	0	--	--	--	--	--	--	61.1	--	--	--	--	--	--	--
	MCPA (2-Methyl-4-chlorophenoxyacetic acid)	mg/kg	9	0%	9	8.1	8.2	8.2	8.3	8.5	8.5	0	--	--	--	--	--	--	30.6	--	--	--	--	--	--	--
	Mecoprop	mg/kg	9	0%	9	8.1	8.2	8.2	8.3	8.5	8.5	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals	Aluminum	mg/kg	15	100%	0	--	--	--	--	--	--	15	6300	7500	8500	8500	9500	12200	76200	0	--	--	--	--	15300	0
	Antimony	mg/kg	36	44%	20	0.5	0.5	0.52	0.62	0.55	1.1	16	0.14	0.21	0.45	0.9	0.78	7.1	31.3	0	0.3	9	6	1	0.5	8
	Arsenic	mg/kg	91	97%	3	5	5	5	5.5	6.5	6.5	88	1.8	4	5.7	7.9	9.1	40	0.39	88	1	88	20	6	7.2	31
	Barium	mg/kg	47	100%	0	--	--	--	--	--	--	47	110	280	390	430	490	2100	15600	0	82	47	1640	1	836	2
	Beryllium	mg/kg	22	95%	1	0.53	--	0.53	0.53	--	0.53	21	0.3	0.46	0.62	0.8	1.2	2.1	154	0	3	0	60	0	0.89	7
	Boron	mg/kg	17	41%	10	3.5	3.5	3.5	4.2	5.2	5.3	7	4.4	4.6	5.2	5.7	7	8	15600	0	--	--	--	--	11.6	0
	Cadmium	mg/kg	37	32%	25	0.5	0.51	0.53	0.66	0.99	1.1	12	0.081	0.085	0.26	0.27	0.45	0.49	39	0	0.4	5	8	0	0.16	6
	Calcium	mg/kg	20	100%	0	--	--	--	--	--	--	20	63	13000	17000	16000	21000	25500	--	--	--	--	--	--	82800	0
	Chromium (Total)	mg/kg	47	98%	1	22	--	22	22	--	22	46	6.3	12	15	21	20	130	211	0	2	46	40	3	16.7	18
	Chromium (VI)	mg/kg	17	6%	16	0.1	0.1	0.41	0.3	0.41	0.43	1	0.48	--	0.48	0.48	--	0.48	30.1	0	2	0	40	0	0.251	1
	Cobalt	mg/kg	15	100%	0	--	--	--	--	--	--	15	4	5.3	6.3	6.7	7.9	10.9	903	0	--	--	--	--	16.3	0

TABLE 1
SUMMARY OF POST-IRM SOIL CHEMICAL DATA
UPPER PONDS SUB-AREA
(Page 2 of 6)

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							Resident Soil BCL	Count of Detects > BCL	USEPA SSL (DAF 1)	Count of Detects > DAF 1	USEPA SSL (DAF 20)	Count of Detects > DAF 20	Max. Bkgrnd[b]	Count of Detects > Bkgrnd
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max								
Metals	Copper	mg/kg	22	100%	0	--	--	--	--	--	--	22	11	15	17	25	22	143	2910	0	--	--	--	--	30.5	3
	Iron	mg/kg	17	100%	0	--	--	--	--	--	--	17	9900	12000	14000	15000	18000	25800	54700	0	--	--	--	--	19700	3
	Lead	mg/kg	48	100%	0	--	--	--	--	--	--	48	3.7	11	18	54	59	470	400	1	--	--	--	--	35.1	18
	Lithium	mg/kg	15	93%	1	5.3	--	5.3	5.3	--	5.3	14	9	11	13	14	17	21.4	156	0	--	--	--	--	26.5	0
	Magnesium	mg/kg	20	100%	0	--	--	--	--	--	--	20	36	5400	7000	6900	9900	12000	--	--	--	--	--	--	17500	0
	Manganese	mg/kg	46	100%	0	--	--	--	--	--	--	46	280	460	590	730	810	3300	3240	1	--	--	--	--	1090	6
	Mercury	mg/kg	38	13%	33	0.0067	0.034	0.1	0.08	0.11	0.11	5	0.0098	0.01	0.016	0.015	0.021	0.023	100000	0	0.1	0	2	0	0.11	0
	Molybdenum	mg/kg	17	94%	1	1.1	--	1.1	1.1	--	1.1	16	0.37	0.56	0.68	0.87	0.98	2.2	391	0	--	--	--	--	2	2
	Nickel	mg/kg	22	100%	0	--	--	--	--	--	--	22	9.2	12	15	15	17	27	1560	0	7	22	140	0	30	0
	Niobium	mg/kg	15	0%	15	1.9	1.9	2.6	2.3	2.6	2.7	0	--	--	--	--	--	--	--	--	--	--	--	--	2.8	--
	Palladium	mg/kg	15	93%	1	0.11	--	0.11	0.11	--	0.11	14	0.31	0.44	0.53	0.6	0.63	1.2	--	--	--	--	--	--	1.5	0
	Phosphorus	mg/kg	15	100%	0	--	--	--	--	--	--	15	590	720	890	1100	1500	2210	--	--	--	--	--	--	--	--
	Platinum	mg/kg	15	0%	15	0.025	0.025	0.1	0.072	0.1	0.11	0	--	--	--	--	--	--	--	--	--	--	--	--	0.099	--
	Potassium	mg/kg	21	95%	1	50	--	50	50	--	50	20	18	1400	1900	1800	2200	3300	--	--	--	--	--	--	3890	0
	Selenium	mg/kg	36	11%	32	0.4	0.5	0.6	1.8	4	6.5	4	0.66	0.69	0.78	0.85	1.1	1.2	391	0	0.3	4	6	0	0.6	4
	Silicon	mg/kg	15	100%	0	--	--	--	--	--	--	15	190	350	970	860	1300	1870	--	--	--	--	--	--	4150	0
	Silver	mg/kg	36	19%	29	0.05	0.2	1	0.68	1.1	2.2	7	0.067	0.07	0.11	0.11	0.14	0.15	391	0	2	0	40	0	0.2609	0
	Sodium	mg/kg	21	100%	0	--	--	--	--	--	--	21	98	270	480	560	670	2400	--	--	--	--	--	--	1320	1
	Strontium	mg/kg	15	100%	0	--	--	--	--	--	--	15	110	190	220	220	270	297	46900	0	--	--	--	--	808	0
	Sulfur	mg/kg	6	17%	5	420	420	420	420	420	421.4	1	480	--	480	480	--	478	--	--	--	--	--	--	--	--
	Thallium	mg/kg	36	6%	34	0.25	0.5	0.5	0.6	1	1.1	2	0.74	--	1.2	1.2	--	1.7	5.48	0	0.4	2	8	0	1.8	0
	Tin	mg/kg	15	67%	5	0.066	0.066	1	0.67	1.1	1.1	10	0.23	0.31	0.4	0.47	0.71	0.82	46900	0	--	--	--	--	0.8	1
	Titanium	mg/kg	15	100%	0	--	--	--	--	--	--	15	370	410	500	560	640	1170	100000	0	--	--	--	--	1010	1
	Tungsten	mg/kg	15	73%	4	0.25	0.25	0.38	0.39	0.53	0.53	11	0.23	0.29	0.32	0.67	1.4	1.8	586	0	--	--	--	--	2.5	0
	Uranium	mg/kg	15	100%	0	--	--	--	--	--	--	15	0.51	0.68	0.79	0.78	0.9	1.1	235	0	--	--	--	--	2.7	0
	Vanadium	mg/kg	45	100%	0	--	--	--	--	--	--	45	14	32	38	48	59	190	391	0	300	0	6000	0	59.1	11
	Zinc	mg/kg	24	100%	0	--	--	--	--	--	--	24	24	33	43	65	77	190	23500	0	620	0	12400	0	121	4
	Zirconium	mg/kg	15	100%	0	--	--	--	--	--	--	15	1.7	5.9	8.2	8.7	12	14.2	--	--	--	--	--	--	179	0
Organochlorine Pesticides	2,4-DDD	mg/kg	7	0%	7	0.00011	0.00011	0.00012	0.0002	0.00012	0.00073	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2,4-DDE	mg/kg	16	6%	15	0.00009	0.000092	0.0017	0.0011	0.0018	0.0018	1	0.0024	--	0.0024	0.0024	--	0.0024	--	--	--	--	--	--	--	--
	4,4-DDD	mg/kg	47	9%	43	0.000097	0.0017	0.0033	0.0032	0.005	0.00765	4	0.0025	0.0032	0.0054	0.0053	0.0074	0.008	2.44	0	0.8	0	16	0	--	--
	4,4-DDE	mg/kg	47	62%	18	0.00026	0.00026	0.0017	0.0019	0.0034	0.00509	29	0.0018	0.0077	0.04	0.13	0.11	1.1	1.72	0	3	0	60	0	--	--
	4,4-DDT	mg/kg	47	51%	23	0.00043	0.00045	0.0018	0.0027	0.0036	0.00765	24	0.0022	0.0066	0.017	0.038	0.064	0.19	1.72	0	2	0	40	0	--	--
	Aldrin	mg/kg	47	0%	47	0.000089	0.0017	0.0018	0.0027	0.005	0.00765	0	--	--	--	--	--	--	0.0286	--	0.02	--	0.4	--	--	--
	alpha-BHC	mg/kg	47	9%	43	0.000097	0.0017	0.0018	0.0028	0.005	0.00765	4	0.0023	0.0027	0.0041	0.0071	0.015	0.018	0.0902	0	0.00003	4	0.0006	4	--	--
	alpha-Chlordane	mg/kg	47	9%	43	0.0001	0.0017	0.0017	0.0025	0.005	0.00765	4	0.0077	0.0079	0.014	0.02	0.038	0.044	--	--	--	--	--	--	--	--
	beta-BHC	mg/kg	47	38%	29	0.00012	0.001	0.0018	0.0026	0.005	0.00765	18	0.0026	0.0052	0.012	0.014	0.019	0.04	0.316	0	0.0001	18	0.002	18	--	--
	Chlordane	mg/kg	46	0%	46	0.0023	0.018	0.026	0.032	0.043	0.1	0	--	--	--	--	--	--	1.62	--	0.5	--	10	--	--	--
	delta-BHC	mg/kg	47	0%	47	0.000084	0.0017	0.0018	0.0027	0.005	0.00765	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Dieldrin	mg/kg	47	0%	47	0.000074	0.0017	0.0033	0.0032	0.005	0.00765	0	--	--	--	--	--	--	0.0304	--	0.0002	--	0.004	--	--	--
	Endosulfan I	mg/kg	47	17%	39	0.000084	0.0017	0.0019	0.003	0.005	0.00765	8	0.0012	0.0075	0.014	0.022	0.031	0.075	--	--	--	--	--	--	--	--
	Endosulfan II	mg/kg	47	2%	46	0.000098	0.0017	0.0033	0.0032	0.005	0.00765	1	0.0063	--	0.0063	0.0063	--	0.0063	--	--	--	--	--	--	--	--
	Endosulfan sulfate	mg/kg	47	0%	47	0.00012	0.0017	0.0033	0.0032	0.005	0.00765	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endrin	mg/kg	47	0%	47	0.000084	0.0017	0.0033	0.0032	0.005	0.00765	0	--	--	--	--	--	--	18.3	--	0.05	--	1	--	--	--
	Endrin aldehyde	mg/kg	47	0%	47	0.00011	0.0017	0.0033	0.0032	0.005	0.00765	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endrin ketone	mg/kg	32	3%	31	0.00039	0.0017	0.005	0.0033	0.005	0.00765	1	0.03	--	0.03	0.03	--	0.03	--	--	--	--	--	--	--	--
	gamma-Chlordane	mg/kg	47	0%	47	0.000087	0.0017	0.0018	0.0027	0.005	0.00765	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Heptachlor	mg/kg	47	0%	47	0.0001	0.0017	0.0018	0.0028	0.005	0.00765	0	--	--	--	--	--	--	0.108	--	1	--	20	--	--	--
	Heptachlor epoxide	mg/kg	47	0%	47	0.00012	0.0017	0.0018	0.0027	0.005	0.00765	0	--	--	--	--	--	--	0.0534	--	0.03	--	0.6	--	--	--
	Lindane	mg/kg	47	4%	45	0.000084	0.0017	0.0018	0.0028	0.005	0.00765	2	0.0028	--	0.0052	0.0052	--	0.0076	0.437	0	0.0005	2	0.01	0	--	--
	Methoxychlor	mg/kg	47	4%	45	0.00018	0.0034	0.017	0.014	0.02	0.03062	2	0.029	--	0.058	0.058	--	0.086	306	0	8	0	160	0	--	--
	Toxaphene	mg/kg	47	0%	47	0.0068	0.016	0.06	0.042	0.061	0.09186	0	--	--	--	--	--	--	0.442	--	2	--	40	--	--	--
Organo-phosphorus Pesticides	Azinphos-ethyl	mg/kg	7	0%	7	0.033	0.034	0.035	0.044	0.068	0.068	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Azinphos-methyl	mg/kg	7	0%	7	0.013	0.013	0.014	0.017	0.027	0.027	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Carbophenothion	mg/kg	7	0%	7	0.033	0.034	0.035	0.044	0.068	0.068	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Carbophenothion-methyl	mg/kg	7	0%	7	0.033	0.034	0.035	0.044	0.068	0.068	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Chlorpyrifos	mg/kg	7	14%	6	0.013	0.013	0.014	0.016	0.017	0.027	1	0.0043	--	0.0043	0.0043	--	0.0043	183	0	--	--	--	--	--	--
	Coumaphos	mg/kg	7	0%	7	0.013	0.013	0.014	0.017	0.027	0.027	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Demeton-O	mg/kg	7	0%	7	0.013	0.013	0.014	0.017	0.027	0.027	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Demeton-S	mg/kg	7	0%	7	0.013	0.013	0.014	0.017	0.027	0.027	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Diazinon	mg/kg	7	0%	7	0.013	0.013	0.014	0.017	0.027	0.027	0	--	--	--	--	--	--	55	--	--	--	--	--	--	--
	Dichlorvos	mg/kg	7	29%	5	0.013	0.013	0.013	0.013	0.014	0.014	2	0.0082	--	0.0096	0.0096	--	0.011	1.68	0	--	--	--	--	--	--
	Dimethoate	mg/kg	7	0%	7	0.013	0.013	0.014	0.017	0.027	0.027	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
SUMMARY OF POST-IRM SOIL CHEMICAL DATA
UPPER PONDS SUB-AREA
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Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							Resident Soil BCL	Count of Detects > BCL	USEPA SSL (DAF 1)	Count of Detects > DAF 1	USEPA SSL (DAF 20)	Count of Detects > DAF 20	Max. Bkgrnd[b]	Count of Detects > Bkgrnd
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max								
Organo-phosphorus Pesticides	Disulfoton	mg/kg	7	14%	6	0.008	0.012	0.013	0.015	0.017	0.027	1	0.0057	--	0.0057	0.0057	--	0.0057	2.44	0	--	--	--	--	--	--
	Ethoprophos	mg/kg	7	0%	7	0.013	0.013	0.014	0.017	0.027	0.027	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Ethyl p-nitrophenyl phenylphosphorothioate	mg/kg	7	0%	7	0.013	0.013	0.014	0.017	0.027	0.027	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Famphur	mg/kg	8	0%	8	0.0033	0.013	0.014	0.016	0.024	0.027	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Fenthion	mg/kg	7	14%	6	0.013	0.013	0.014	0.016	0.017	0.027	1	0.0065	--	0.0065	0.0065	--	0.0065	--	--	--	--	--	--	--	--
	Malathion	mg/kg	7	14%	6	0.013	0.013	0.014	0.016	0.017	0.027	1	0.0075	--	0.0075	0.0075	--	0.0075	1220	0	--	--	--	--	--	--
	Methyl parathion	mg/kg	8	0%	8	0.0066	0.013	0.014	0.016	0.024	0.027	0	--	--	--	--	--	--	15.3	--	--	--	--	--	--	--
	Mevinphos	mg/kg	7	0%	7	0.013	0.013	0.014	0.017	0.027	0.027	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Naled	mg/kg	7	0%	7	0.033	0.034	0.035	0.044	0.068	0.068	0	--	--	--	--	--	--	122	--	--	--	--	--	--	--
	O,O,O-Triethyl phosphorothioate	mg/kg	7	0%	7	0.013	0.013	0.014	0.017	0.027	0.027	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Parathion	mg/kg	8	0%	8	0.0055	0.013	0.014	0.016	0.024	0.027	0	--	--	--	--	--	--	367	--	--	--	--	--	--	--
	Phorate	mg/kg	8	13%	7	0.0059	0.013	0.013	0.014	0.014	0.027	1	0.0076	--	0.0076	0.0076	--	0.0076	--	--	--	--	--	--	--	--
	Phosmet	mg/kg	7	0%	7	0.068	0.068	0.071	0.09	0.14	0.14	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Ronnel	mg/kg	7	14%	6	0.068	0.068	0.07	0.081	0.088	0.14	1	0.0058	--	0.0058	0.0058	--	0.0058	3060	0	--	--	--	--	--	--
	Sulfotep	mg/kg	7	29%	5	0.013	0.013	0.013	0.013	0.014	0.014	2	0.0042	--	0.005	0.005	--	0.0058	--	--	--	--	--	--	--	--
	Tetrachlorvinphos (Stirophos)	mg/kg	7	0%	7	0.013	0.013	0.014	0.017	0.027	0.027	0	--	--	--	--	--	--	20.3	--	--	--	--	--	--	--
Organic Acids	4-Chlorobenzenesulfonic acid	mg/kg	9	0%	9	1	1	1	1	1	1	0	--	--	--	--	--	--	78200	--	0.07	--	1.4	--	--	--
	Benzenesulfonic acid	mg/kg	9	0%	9	1	1	1	1	1	1	0	--	--	--	--	--	--	39100	--	--	--	--	--	--	--
	Diethyl phosphorodithioic acid	mg/kg	9	0%	9	1	1	1	1	1	1	0	--	--	--	--	--	--	6260	--	--	--	--	--	--	--
	Dimethyl phosphorodithioic acid	mg/kg	9	0%	9	1	1	1	1.1	1	2	0	--	--	--	--	--	--	7820	--	--	--	--	--	--	--
Polynuclear Aromatic Hydrocarbons	Acenaphthene	mg/kg	29	0%	29	0.034	0.043	0.053	0.29	0.59	0.68	0	--	--	--	--	--	--	3680	--	29	--	580	--	--	--
	Acenaphthylene	mg/kg	29	0%	29	0.034	0.068	0.11	0.31	0.59	0.68	0	--	--	--	--	--	--	147	--	--	--	--	--	--	--
	Anthracene	mg/kg	29	0%	29	0.03	0.032	0.035	0.28	0.59	0.68	0	--	--	--	--	--	--	21900	--	590	--	11800	--	--	--
	Benzo(a)anthracene	mg/kg	29	0%	29	0.015	0.016	0.035	0.28	0.59	0.68	0	--	--	--	--	--	--	0.621	--	0.08	--	1.6	--	--	--
	Benzo(a)pyrene	mg/kg	29	0%	29	0.015	0.016	0.035	0.28	0.59	0.68	0	--	--	--	--	--	--	0.0621	--	0.4	--	8	--	--	--
	Benzo(b)fluoranthene	mg/kg	29	0%	29	0.015	0.016	0.035	0.28	0.59	0.68	0	--	--	--	--	--	--	0.621	--	0.2	--	4	--	--	--
	Benzo(g,h,i)perylene	mg/kg	29	0%	29	0.03	0.032	0.035	0.28	0.59	0.68	0	--	--	--	--	--	--	2350	--	--	--	--	--	--	--
	Benzo(k)fluoranthene	mg/kg	23	0%	23	0.015	0.015	0.034	0.22	0.67	0.68	0	--	--	--	--	--	--	6.21	--	2	--	40	--	--	--
	Chrysene	mg/kg	29	0%	29	0.015	0.016	0.035	0.28	0.59	0.68	0	--	--	--	--	--	--	62.1	--	8	--	160	--	--	--
	Dibenzo(a,h)anthracene	mg/kg	29	0%	29	0.03	0.032	0.035	0.28	0.59	0.68	0	--	--	--	--	--	--	0.0621	--	0.08	--	1.6	--	--	--
	Indeno(1,2,3-cd)pyrene	mg/kg	29	0%	29	0.015	0.016	0.035	0.28	0.59	0.68	0	--	--	--	--	--	--	0.621	--	0.7	--	14	--	--	--
	Phenanthrene	mg/kg	29	0%	29	0.03	0.032	0.035	0.28	0.59	0.68	0	--	--	--	--	--	--	24.5	--	--	--	--	--	--	--
	Pyrene	mg/kg	29	0%	29	0.03	0.032	0.035	0.28	0.59	0.68	0	--	--	--	--	--	--	2310	--	210	--	4200	--	--	--
Polychlorinated Biphenyls	Aroclor 1016	mg/kg	30	0%	30	0.013	0.013	0.02	0.021	0.034	0.035	0	--	--	--	--	--	--	3.93	--	--	--	--	--	--	--
	Aroclor 1221	mg/kg	30	0%	30	0.013	0.013	0.02	0.021	0.034	0.035	0	--	--	--	--	--	--	0.222	--	--	--	--	--	--	--
	Aroclor 1232	mg/kg	30	0%	30	0.013	0.013	0.02	0.021	0.034	0.035	0	--	--	--	--	--	--	0.222	--	--	--	--	--	--	--
	Aroclor 1242	mg/kg	30	0%	30	0.013	0.013	0.02	0.021	0.034	0.035	0	--	--	--	--	--	--	0.222	--	--	--	--	--	--	--
	Aroclor 1248	mg/kg	30	0%	30	0.013	0.013	0.02	0.021	0.034	0.035	0	--	--	--	--	--	--	0.222	--	--	--	--	--	--	--
	Aroclor 1254	mg/kg	30	13%	26	0.013	0.013	0.014	0.021	0.034	0.035	4	0.03	0.031	0.041	0.043	0.056	0.059	0.222	0	--	--	--	--	--	--
	Aroclor 1260	mg/kg	30	0%	30	0.013	0.013	0.02	0.021	0.034	0.035	0	--	--	--	--	--	--	0.222	--	--	--	--	--	--	--
Radionuclides[d]	Actinium-228	pCi/g	9	100%	0	--	--	--	--	--	--	9	1.4	1.6	1.7	1.7	1.8	1.83	--	--	--	--	--	--	3.4	0
	Bismuth-210	pCi/g	9	0%	9	--	--	--	--	--	--	0	-0.092	0.33	0.8	0.87	1.6	1.9	--	--	--	--	--	--	2.2	--
	Bismuth-212	pCi/g	9	44%	5	--	--	--	--	--	--	4	0.36	0.44	0.75	0.81	1.2	1.32	--	--	--	--	--	--	1.82	0
	Bismuth-214	pCi/g	9	100%	0	--	--	--	--	--	--	9	0.68	0.73	0.8	0.85	0.99	1.12	--	--	--	--	--	--	1.62	0
	Cobalt-57	pCi/g	9	0%	9	--	--	--	--	--	--	0	-0.018	-0.0095	0.0006	0.0037	0.015	0.037	--	--	--	--	--	--	0.04	--
	Cobalt-60	pCi/g	9	0%	9	--	--	--	--	--	--	0	-0.043	-0.031	-0.008	-0.006	-0.0007	0.073	--	--	--	--	--	--	0.082	--
	Gross alpha	pCi/g	9	56%	4	--	--	--	--	--	--	5	21	27	30	30	35	37.1	--	--	--	--	--	--	--	--
	Gross beta	pCi/g	9	89%	1	--	--	--	--	--	--	8	36	38	41	41	46	47	--	--	--	--	--	--	--	--
	Lead-210	pCi/g	9	0%	9	--	--	--	--	--	--	0	-0.092	0.33	0.8	0.87	1.6	1.9	--	--	--	--	--	--	2.2	--
	Lead-212	pCi/g	9	100%	0	--	--	--	--	--	--	9	1.1	1.3	1.4	1.3	1.4	1.64	--	--	--	--	--	--	2.11	0
	Lead-214	pCi/g	9	100%	0	--	--	--	--	--	--	9	0.72	0.76	0.83	0.86	0.95	1.11	--	--	--	--	--	--	1.72	0
	Polonium-210	pCi/g	9	0%	9	--	--	--	--	--	--	0	-0.092	0.33	0.8	0.87	1.6	1.9	--	--	--	--	--	--	1.17	--
	Polonium-212	pCi/g	9	44%	5	--	--	--	--	--	--	4	0.23	0.28	0.48	0.52	0.78	0.84	--	--	--	--	--	--	--	--
	Polonium-214	pCi/g	9	100%	0	--	--	--	--	--	--	9	0.68	0.73	0.8	0.85	0.99	1.12	--	--	--	--	--	--	1.62	0
	Polonium-216	pCi/g	9	100%	0	--	--	--	--	--	--	9	2.1	2.3	3	3.7	5.2	7.5	--	--	--	--	--	--	2.11	8
	Polonium-218	pCi/g	9	100%	0	--	--	--	--	--	--	9	0.76	0.86	0.93	1	1.2	1.31	--	--	--	--	--	--	2.36	0
	Potassium-40	pCi/g	9	100%	0	--	--	--	--	--	--	9	23	26	28	28	29	37	--	--	--	--	--	--	35	1
	Protactinium-234	pCi/g	9	0%	9	--	--	--	--	--	--	0	-0.21	-0.19	-0.16	-0.11	-0.019	0.01	--	--	--	--	--	--	0.13	--
	Radium-223	pCi/g	9	0%	9	--	--	--	--	--	--	0	0.25	0.38	0.43	0.5	0.62	0.86	--	--	--	--	--	--	0.4	--
	Radium-224	pCi/g	9	100%	0	--	--	--	--	--	--	9	2.1	2.3	3	3.7	5.2	7.5	--	--	--	--	--	--	2.11	8
	Radium-226	pCi/g	22	100%	0	--	--	--	--	--	--	22	0.76	0.86	1	1.3	1.3	5.51	0.0124	22	0.0161	22	0.322	22	2.36	1
	Radium-228	pCi/g	22	100%	0	--	--	--	--	--	--	22	0.76	1.3	1.4	1.5	1.7	2.75	0.0677	22	0.0595	22	1.19	18	2.94	0
	Thallium-208	pCi/g	9	100%	0	--	--	--	--	--	--	9	0.43	0.46	0.5	0.49	0.52	0.54	--	--	--	--	--	--	0.72	0

TABLE 1
SUMMARY OF POST-IRM SOIL CHEMICAL DATA
UPPER PONDS SUB-AREA

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							Resident Soil BCL	Count of Detects > BCL	USEPA SSL (DAF 1)	Count of Detects > DAF 1	USEPA SSL (DAF 20)	Count of Detects > DAF 20	Max. Bkgrnd[b]	Count of Detects > Bkgrnd
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max								
Radionuclides[d]	Thorium-228	pCi/g	22	100%	0	--	--	--	--	--	--	22	1.2	1.4	1.6	1.7	1.8	2.45	0.154	22	3.3	0	66	0	2.28	1
	Thorium-230	pCi/g	22	91%	2	--	--	--	--	--	--	20	0.61	0.8	1	1	1.2	1.39	3.49	0	0.303	22	6.06	0	3.01	0
	Thorium-232	pCi/g	22	100%	0	--	--	--	--	--	--	22	0.79	1.3	1.4	1.5	1.7	2.42	3.1	0	0.303	22	6.06	0	2.23	1
	Thorium-234	pCi/g	9	67%	3	--	--	--	--	--	--	6	0.49	0.54	1.1	1.1	1.5	1.8	--	--	--	--	--	--	2.5	0
	Uranium-233/234	pCi/g	22	100%	0	--	--	--	--	--	--	22	0.17	0.51	0.67	0.64	0.81	1.14	3.86	0	112	0	2240	0	2.84	0
	Uranium-235/236	pCi/g	22	45%	12	--	--	--	--	--	--	10	0.0017	0.01	0.03	0.031	0.04	0.125	0.195	0	0.03885	6	0.777	0	0.21	0
	Uranium-238	pCi/g	22	100%	0	--	--	--	--	--	--	22	0.17	0.37	0.69	0.63	0.89	1.02	0.742	9	0.00605	22	0.121	22	2.37	0
Semi-Volatile Organic Compounds	1,2,4,5-Tetrachlorobenzene	mg/kg	16	0%	16	0.034	0.034	0.34	0.21	0.34	0.35	0	--	--	--	--	--	--	18.3	--	--	--	--	--	--	--
	1,2-Diphenylhydrazine	mg/kg	6	0%	6	0.034	0.034	0.034	0.034	0.035	0.035	0	--	--	--	--	--	--	0.608	--	--	--	--	--	--	--
	1,4-Dioxane	mg/kg	7	0%	7	0.034	0.034	0.034	0.034	0.035	0.035	0	--	--	--	--	--	--	44.2	--	--	--	--	--	--	--
	2,4,5-Trichlorophenol	mg/kg	29	0%	29	0.034	0.18	0.35	0.38	0.59	0.68	0	--	--	--	--	--	--	6110	--	14	--	280	--	--	--
	2,4,6-Trichlorophenol	mg/kg	28	0%	28	0.034	0.11	0.35	0.38	0.63	0.68	0	--	--	--	--	--	--	44.2	--	0.008	--	0.16	--	--	--
	2,4-Dichlorophenol	mg/kg	29	0%	29	0.034	0.18	0.35	0.38	0.59	0.68	0	--	--	--	--	--	--	183	--	0.05	--	1	--	--	--
	2,4-Dimethylphenol	mg/kg	29	0%	29	0.034	0.18	0.35	0.48	0.68	1	0	--	--	--	--	--	--	1220	--	0.4	--	8	--	--	--
	2,4-Dinitrophenol	mg/kg	29	0%	29	0.33	0.97	1.7	1.9	2.9	3.4	0	--	--	--	--	--	--	122	--	0.01	--	0.2	--	--	--
	2,4-Dinitrotoluene	mg/kg	29	0%	29	0.034	0.18	0.35	0.38	0.59	0.68	0	--	--	--	--	--	--	122	--	0.00004	--	0.0008	--	--	--
	2,6-Dinitrotoluene	mg/kg	29	0%	29	0.034	0.18	0.35	0.38	0.59	0.68	0	--	--	--	--	--	--	61.1	--	0.00003	--	0.0006	--	--	--
	2-Chloronaphthalene	mg/kg	29	0%	29	0.034	0.18	0.35	0.38	0.59	0.68	0	--	--	--	--	--	--	3860	--	--	--	--	--	--	--
	2-Chlorophenol	mg/kg	29	0%	29	0.034	0.18	0.35	0.38	0.59	0.68	0	--	--	--	--	--	--	63.5	--	0.2	--	4	--	--	--
	2-Methylnaphthalene	mg/kg	28	0%	28	0.034	0.33	0.35	0.39	0.63	0.68	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2-Nitroaniline	mg/kg	29	0%	29	0.034	0.82	1.7	1.8	2.9	3.4	0	--	--	--	--	--	--	183	--	--	--	--	--	--	--
	2-Nitrophenol	mg/kg	29	0%	29	0.034	0.18	0.35	0.38	0.59	0.68	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3,3'-Dichlorobenzidine	mg/kg	28	0%	28	0.034	1	1.3	1.1	1.6	1.7	0	--	--	--	--	--	--	1.08	--	0.0003	--	0.006	--	--	--
	3-Methylphenol & 4-Methylphenol	mg/kg	22	0%	22	0.067	0.069	0.5	0.44	0.68	0.7	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3-Nitroaniline	mg/kg	28	0%	28	0.034	0.9	1.7	1.8	2.5	3.4	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4,6-Dinitro-o-cresol	mg/kg	13	0%	13	2.5	2.5	3.3	3	3.4	3.4	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4-Bromophenyl phenyl ether	mg/kg	29	0%	29	0.034	0.18	0.35	0.38	0.59	0.68	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4-Chloro-3-Methylphenol	mg/kg	29	0%	29	0.034	0.18	0.35	0.64	1.2	1.3	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4-Chlorophenyl phenyl ether	mg/kg	28	0%	28	0.034	0.33	0.35	0.39	0.63	0.68	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4-Chlorothioanisole	mg/kg	6	0%	6	0.0077	0.0077	0.0079	0.0078	0.0079	0.0079	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4-Nitrophenol	mg/kg	29	0%	29	0.33	0.97	1.7	1.9	2.9	3.4	0	--	--	--	--	--	--	489	--	--	--	--	--	--	--
	Acetophenone	mg/kg	16	0%	16	0.034	0.034	0.34	0.21	0.34	0.35	0	--	--	--	--	--	--	1740	--	--	--	--	--	--	--
	Aniline	mg/kg	22	0%	22	0.034	0.035	0.34	0.42	1	1	0	--	--	--	--	--	--	85.3	--	--	--	--	--	--	--
	Azobenzene	mg/kg	22	0%	22	0.034	0.035	0.34	0.29	0.5	0.5	0	--	--	--	--	--	--	3.79	--	--	--	--	--	--	--
	Benzenethiol	mg/kg	15	0%	15	0.12	0.13	0.34	0.26	0.34	0.35	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzoic acid	mg/kg	28	7%	26	0.034	1.2	2.1	1.9	3.3	3.4	2	0.16	--	0.19	0.19	--	0.21	100000	0	20	0	400	0	--	--
	Benzyl alcohol	mg/kg	28	0%	28	0.034	0.33	0.35	0.66	1.2	1.3	0	--	--	--	--	--	--	18300	--	--	--	--	--	--	--
	Benzyl butyl phthalate	mg/kg	29	0%	29	0.034	0.18	0.35	0.38	0.59	0.68	0	--	--	--	--	--	--	240	--	810	--	16200	--	--	--
	bis(2-Chloroethoxy) methane	mg/kg	29	0%	29	0.034	0.18	0.35	0.38	0.59	0.68	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	bis(2-Chloroethyl) ether	mg/kg	29	0%	29	0.034	0.18	0.35	0.38	0.59	0.68	0	--	--	--	--	--	--	0.211	--	0.00002	--	0.0004	--	--	--
	bis(2-Chloroisopropyl) ether	mg/kg	29	0%	29	0.034	0.18	0.35	0.38	0.59	0.68	0	--	--	--	--	--	--	2.89	--	--	--	--	--	--	--
	bis(2-Ethylhexyl) phthalate	mg/kg	28	4%	27	0.034	0.34	0.35	0.41	0.67	0.68	1	0.082	--	0.082	0.082	--	0.082	34.7	0	180	0	3600	0	--	--
	bis(p-Chlorophenyl) disulfide	mg/kg	15	0%	15	0.21	0.21	0.34	0.29	0.34	0.35	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	bis(p-Chlorophenyl) sulfone	mg/kg	15	0%	15	0.33	0.34	0.34	0.34	0.34	0.35	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Carbazole	mg/kg	28	0%	28	0.034	0.33	0.35	0.39	0.63	0.68	0	--	--	--	--	--	--	24.3	--	0.03	--	0.6	--	--	--
	Dibenzofuran	mg/kg	28	0%	28	0.034	0.33	0.35	0.39	0.63	0.68	0	--	--	--	--	--	--	145	--	--	--	--	--	--	--
	Dibutyl phthalate	mg/kg	29	0%	29	0.034	0.18	0.35	0.38	0.59	0.68	0	--	--	--	--	--	--	6110	--	270	--	5400	--	--	--
	Diethyl phthalate	mg/kg	29	0%	29	0.034	0.18	0.35	0.38	0.59	0.68	0	--	--	--	--	--	--	48900	--	--	--	--	--	--	--
	Dimethyl phthalate	mg/kg	29	0%	29	0.034	0.18	0.35	0.38	0.59	0.68	0	--	--	--	--	--	--	100000	--	--	--	--	--	--	--
	Di-n-octyl phthalate	mg/kg	29	0%	29	0.015	0.17	0.35	0.38	0.59	0.68	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Diphenyl sulfone	mg/kg	15	0%	15	0.0067	0.0069	0.34	0.21	0.34	0.35	0	--	--	--	--	--	--	183	--	--	--	--	--	--	--
	Fluoranthene	mg/kg	29	0%	29	0.034	0.18	0.35	0.38	0.59	0.68	0	--	--	--	--	--	--	2290	--	210	--	4200	--	--	--
	Fluorene	mg/kg	29	0%	29	0.034	0.18	0.35	0.38	0.59	0.68	0	--	--	--	--	--	--	2640	--	28	--	560	--	--	--
	Hexachloro-1,3-butadiene	mg/kg	29	0%	29	0.034	0.18	0.35	0.38	0.59	0.68	0	--	--	--	--	--	--	6.24	--	0.1	--	2	--	--	--
	Hexachlorobenzene	mg/kg	29	0%	29	0.034	0.18	0.35	0.38	0.59	0.68	0	--	--	--	--	--	--	0.304	--	0.1	--	2	--	--	--
	Hexachlorocyclopentadiene	mg/kg	29	0%	29	0.33	0.42	0.67	0.85	1.6	1.7	0	--	--	--	--	--	--	365	--	20	--	400	--	--	--
	Hexachloroethane	mg/kg	29	0%	29	0.034	0.18	0.35	0.38	0.59	0.68	0	--	--	--	--	--	--	34.7	--	0.02	--	0.4	--	--	--
	Hydroxymethyl phthalimide	mg/kg	15	0%	15	0.044	0.045	0.34	0.22	0.34	0.35	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Isophorone	mg/kg	28	0%	28	0.034	0.33	0.35	0.39	0.63	0.68	0	--	--	--	--	--	--	512	--	0.03	--	0.6	--	--	--
	Naphthalene	mg/kg	29	0%	29	0.034	0.18	0.35	0.38	0.59	0.68	0	--	--	--	--	--	--	56	--	4	--	80	--	--	--
	Nitrobenzene	mg/kg	29	0%	29	0.034	0.18	0.35	0.38	0.59	0.68	0	--	--	--	--	--	--	19.7	--	0.007	--	0.14	--	--	--
	N-Nitrosodimethylamine	mg/kg	6	0%	6	0.5	0.5	0.5	0.5	0.5	0.5	0	--	--	--	--	--	--	0.00953	--	--	--	--	--	--	--
	N-nitrosodi-n-propylamine	mg/kg	29	0%	29	0.034	0.18	0.35	0.38	0.59	0.68	0	--	--	--	--	--	--	0.0695	--	--	--	0.00004	--	--	--

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Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							Resident Soil BCL	Count of Detects > BCL	USEPA SSL (DAF 1)	Count of Detects > DAF 1	USEPA SSL (DAF 20)	Count of Detects > DAF 20	Max. Bkgrnd[b]	Count of Detects > Bkgrnd
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max								
Semi-Volatile Organic Compounds	N-nitrosodiphenylamine	mg/kg	29	0%	29	0.034	0.18	0.35	0.38	0.59	0.68	0	--	--	--	--	--	--	99.3	--	0.06	--	1.2	--	--	--
	o-Cresol	mg/kg	29	0%	29	0.12	0.23	0.35	0.4	0.59	0.68	0	--	--	--	--	--	--	3060	--	0.8	--	16	--	--	--
	Octachlorostyrene	mg/kg	6	0%	6	0.034	0.034	0.034	0.034	0.035	0.035	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	p-Chloroaniline	mg/kg	29	0%	29	0.034	0.18	0.35	0.64	1.2	1.3	0	--	--	--	--	--	--	244	--	0.03	--	0.6	--	--	--
	p-Chlorothiophenol	mg/kg	15	0%	15	0.19	0.19	0.34	0.28	0.34	0.35	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	p-Cresol	mg/kg	7	0%	7	0.67	0.67	0.67	0.67	0.67	0.68	0	--	--	--	--	--	--	306	--	--	--	--	--	--	--
	Pentachlorobenzene	mg/kg	16	0%	16	0.034	0.034	0.34	0.21	0.34	0.35	0	--	--	--	--	--	--	48.9	--	--	--	--	--	--	--
	Pentachlorophenol	mg/kg	29	0%	29	0.33	0.97	1.7	1.9	2.9	3.4	0	--	--	--	--	--	--	2.98	--	0.001	--	0.02	--	--	--
	Phenol	mg/kg	29	0%	29	0.034	0.18	0.35	0.38	0.59	0.68	0	--	--	--	--	--	--	18300	--	5	--	100	--	--	--
	Phenyl Disulfide	mg/kg	15	0%	15	0.029	0.03	0.34	0.22	0.34	0.35	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Phenyl Sulfide	mg/kg	15	0%	15	0.0036	0.0036	0.34	0.21	0.34	0.35	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Phthalic acid	mg/kg	16	6%	15	0.25	0.26	0.33	0.3	0.34	0.35	1	1.2	--	1.2	1.2	--	1.2	100000	0	--	--	--	--	--	--
	p-Nitroaniline	mg/kg	29	0%	29	0.33	0.67	1.6	1.6	2.5	3.4	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Pyridine	mg/kg	22	0%	22	0.034	0.035	0.5	0.43	0.68	0.7	0	--	--	--	--	--	--	33	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons	Gasoline Range Organics	mg/kg	1	0%	1	0.03	--	0.03	0.03	--	0.03	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	HEM Oil/Grease	mg/kg	1	0%	1	180	--	180	180	--	178	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Mineral Spirits	mg/kg	1	0%	1	26	--	26	26	--	26	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	TPH (as Diesel)	mg/kg	1	0%	1	1.6	--	1.6	1.6	--	1.6	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds	1,1,1,2-Tetrachloroethane	mg/kg	17	0%	17	0.00022	0.00023	0.0051	0.0032	0.0053	0.0061	0	--	--	--	--	--	--	3.01	--	--	--	--	--	--	--
	1,1,1-Trichloroethane	mg/kg	31	0%	31	0.00014	0.001	0.001	0.0022	0.0051	0.0061	0	--	--	--	--	--	--	1390	--	0.1	--	2	--	--	--
	1,1,2,2-Tetrachloroethane	mg/kg	31	0%	31	0.00014	0.001	0.001	0.0022	0.0051	0.0061	0	--	--	--	--	--	--	0.384	--	0.0002	--	0.004	--	--	--
	1,1,2-Trichloroethane	mg/kg	31	0%	31	0.00028	0.002	0.0021	0.0027	0.0051	0.0061	0	--	--	--	--	--	--	0.844	--	0.0009	--	0.018	--	--	--
	1,1-Dichloroethane	mg/kg	31	0%	31	0.00095	0.001	0.001	0.0024	0.0051	0.0061	0	--	--	--	--	--	--	846	--	1	--	20	--	--	--
	1,1-Dichloroethylene	mg/kg	31	0%	31	0.00055	0.001	0.001	0.0023	0.0051	0.0061	0	--	--	--	--	--	--	127	--	0.003	--	0.06	--	--	--
	1,1-Dichloropropene	mg/kg	16	0%	16	0.00029	0.0003	0.0051	0.0035	0.0053	0.0061	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1,2,3-Trichlorobenzene	mg/kg	16	0%	16	0.00077	0.0008	0.0051	0.0036	0.0053	0.0061	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1,2,3-Trichloropropane	mg/kg	17	0%	17	0.00055	0.00057	0.0051	0.0034	0.0053	0.0061	0	--	--	--	--	--	--	0.32	--	--	--	--	--	--	--
	1,2,4-Trichlorobenzene	mg/kg	30	0%	30	0.00073	0.004	0.0056	0.26	0.54	0.68	0	--	--	--	--	--	--	68.2	--	0.3	--	6	--	--	--
	1,2,4-Trimethylbenzene	mg/kg	16	13%	14	0.00022	0.00022	0.0051	0.0032	0.0053	0.0061	2	0.00064	--	0.00077	0.00077	--	0.0009	8.94	0	--	--	--	--	--	--
	1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	17	0%	17	0.00088	0.00092	0.01	0.0067	0.011	0.012	0	--	--	--	--	--	--	0.00825	--	--	--	--	--	--	--
	1,2-Dichlorobenzene	mg/kg	37	0%	37	0.00015	0.0051	0.0052	0.084	0.0057	0.5	0	--	--	--	--	--	--	122	--	0.9	--	18	--	--	--
	1,2-Dichloroethane	mg/kg	31	0%	31	0.00043	0.001	0.001	0.0023	0.0051	0.0061	0	--	--	--	--	--	--	0.347	--	0.001	--	0.02	--	--	--
	1,2-Dichloroethylene	mg/kg	16	0%	16	0.00054	0.00056	0.0051	0.0036	0.0053	0.0061	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1,2-Dichloropropane	mg/kg	31	0%	31	0.00037	0.001	0.001	0.0023	0.0051	0.0061	0	--	--	--	--	--	--	0.351	--	0.001	--	0.02	--	--	--
	1,3,5-Trichlorobenzene	mg/kg	16	0%	16	0.00067	0.00069	0.0051	0.0065	0.0053	0.053	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1,3,5-Trimethylbenzene	mg/kg	16	0%	16	0.00021	0.00022	0.0051	0.0034	0.0053	0.0061	0	--	--	--	--	--	--	21.3	--	--	--	--	--	--	--
	1,3-Dichlorobenzene	mg/kg	37	3%	36	0.00013	0.005	0.0052	0.087	0.0058	0.5	1	0.00018	--	0.00018	0.00018	--	0.00018	35.3	0	--	--	--	--	--	--
	1,3-Dichloropropane	mg/kg	16	0%	16	0.00018	0.00018	0.0051	0.0034	0.0053	0.0061	0	--	--	--	--	--	--	108	--	0.001	--	0.02	--	--	--
	1,4-Dichlorobenzene	mg/kg	37	3%	36	0.00011	0.005	0.0052	0.087	0.0058	0.5	1	0.0002	--	0.0002	0.0002	--	0.0002	3.2	0	0.1	0	2	0	--	--
	1-Nonanal	mg/kg	6	0%	6	0.00087	0.00089	0.0009	0.0009	0.00091	0.00091	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2,2,3-Trimethylbutane	mg/kg	6	0%	6	0.00021	0.00021	0.00022	0.00022	0.00022	0.00022	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2,2-Dichloropropane	mg/kg	16	0%	16	0.00017	0.00018	0.0051	0.0034	0.0053	0.0061	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2,2-Dimethylpentane	mg/kg	6	0%	6	0.00027	0.00028	0.00028	0.00028	0.00028	0.00028	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2,3-Dimethylpentane	mg/kg	6	0%	6	0.00022	0.00023	0.00023	0.00023	0.00023	0.00023	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2,4-Dimethylpentane	mg/kg	6	0%	6	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2-Chloroethyl vinyl ether	mg/kg	14	0%	14	0.001	0.001	0.001	0.001	0.0011	0.0011	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2-Chlorotoluene	mg/kg	16	0%	16	0.00045	0.00047	0.0051	0.0035	0.0053	0.0061	0	--	--	--	--	--	--	159	--	--	--	--	--	--	--
	2-Nitropropane	mg/kg	6	0%	6	0.0017	0.0018	0.0018	0.0018	0.0018	0.0018	0	--	--	--	--	--	--	0.0681	--	--	--	--	--	--	--
	2-Phenylbutane	mg/kg	16	0%	16	0.00024	0.00025	0.0051	0.0034	0.0053	0.0061	0	--	--	--	--	--	--	112	--	--	--	--	--	--	--
	3,3-Dimethylpentane	mg/kg	6	0%	6	0.0002	0.00021	0.00021	0.00021	0.00021	0.00021	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3-Ethylpentane	mg/kg	6	0%	6	0.00021	0.00021	0.00022	0.00022	0.00022	0.00022	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3-Methylhexane	mg/kg	6	0%	6	0.00014	0.00014	0.00014	0.00014	0.00014	0.00014	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4-Chlorotoluene	mg/kg	16	0%	16	0.00087	0.0009	0.0051	0.0037	0.0053	0.0061	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Acetone	mg/kg	31	26%	23	0.0031	0.0039	0.01	0.01	0.011	0.023	8	0.015	0.016	0.021	0.029	0.037	0.071	14200	0	0.8	0	16	0	--	--
	Acetonitrile	mg/kg	17	0%	17	0.002	0.002	0.051	0.032	0.053	0.061	0	--	--	--	--	--	--	623	--	--	--	--	--	--	--
	Benzene	mg/kg	31	32%	21	0.00017	0.00017	0.0051	0.0032	0.0053	0.0059	10	0.0005	0.0006	0.00074	0.00078	0.00097	0.0011	0.656	0	0.002	0	0.04	0	--	--
	Bromobenzene	mg/kg	16	0%	16	0.00022	0.00023	0.0051	0.0034	0.0053	0.0061	0	--	--	--	--	--	--	32	--	--	--	--	--	--	--
	Bromodichloromethane	mg/kg	31	0%	31	0.00033	0.001	0.001	0.0023	0.0051	0.0061	0	--	--	--	--	--	--	1.03	--	0.03	--	0.6	--	--	--
	Bromomethane	mg/kg	31	0%	31	0.00031	0.0021	0.0052	0.0057	0.01	0.012	0	--	--	--	--	--	--	3.9	--	0.01	--	0.2	--	--	--
	Carbon disulfide	mg/kg	31	0%	31	0.00055	0.001	0.001	0.0023	0.0051	0.0061	0	--	--	--	--	--	--	356	--	2	--	40	--	--	--
	Carbon tetrachloride	mg/kg	31	0%	31	0.0009	0.001	0.0051	0.0041	0.0053	0.0061	0	--	--	--	--	--	--	0.24	--	0.003	--	0.06	--	--	--
	CFC-11	mg/kg	31	0%	31	0.0005	0.001	0.0051	0.004	0.0053	0.0061	0	--	--	--	--	--	--	387	--	--	--	--	--	--	--
	CFC-12	mg/kg	17	0%	17	0.00037	0.00038	0.01	0.0065	0.011	0.012	0	--	--	--	--	--	--	94.1	--	--	--	--	--	--	--

TABLE 1
SUMMARY OF POST-IRM SOIL CHEMICAL DATA
UPPER PONDS SUB-AREA
(Page 6 of 6)

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							Resident Soil BCL	Count of Detects > BCL	USEPA SSL (DAF 1)	Count of Detects > DAF 1	USEPA SSL (DAF 20)	Count of Detects > DAF 20	Max. Bkgrnd[b]	Count of Detects > Bkgrnd
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max								
Volatile Organic Compounds	Chlorinated fluorocarbon (Freon 113)	mg/kg	17	0%	17	0.00053	0.00055	0.0051	0.0034	0.0053	0.0061	0	--	--	--	--	--	--	5550	--	--	--	--	--	--	--
	Chlorobenzene	mg/kg	31	0%	31	0.00012	0.001	0.0051	0.0039	0.0053	0.0061	0	--	--	--	--	--	--	128	--	0.07	--	1.4	--	--	--
	Chlorobromomethane	mg/kg	16	0%	16	0.00042	0.00042	0.0051	0.0034	0.0053	0.0059	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Chlorodibromomethane	mg/kg	31	0%	31	0.00029	0.001	0.001	0.0023	0.0051	0.0061	0	--	--	--	--	--	--	1.01	--	0.02	--	0.4	--	--	--
	Chloroethane	mg/kg	31	0%	31	0.00035	0.001	0.001	0.0023	0.0051	0.0061	0	--	--	--	--	--	--	3.03	--	--	--	--	--	--	--
	Chloroform	mg/kg	31	0%	31	0.00014	0.001	0.0051	0.0039	0.0053	0.0061	0	--	--	--	--	--	--	0.245	--	0.03	--	0.6	--	--	--
	Chloromethane	mg/kg	31	0%	31	0.00044	0.001	0.001	0.0041	0.01	0.012	0	--	--	--	--	--	--	47.5	--	--	--	--	--	--	--
	cis-1,2-Dichloroethylene	mg/kg	30	0%	30	0.00042	0.001	0.0011	0.0024	0.0051	0.0061	0	--	--	--	--	--	--	43	--	0.02	--	0.4	--	--	--
	cis-1,3-Dichloropropylene	mg/kg	31	0%	31	0.00072	0.002	0.0021	0.0028	0.0051	0.0061	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Cymene	mg/kg	16	0%	16	0.00024	0.00024	0.0051	0.0034	0.0053	0.0061	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Dibromomethane	mg/kg	17	0%	17	0.00035	0.00036	0.0051	0.0033	0.0053	0.0061	0	--	--	--	--	--	--	141	--	--	--	--	--	--	--
	Dichloromethane	mg/kg	31	6%	29	0.001	0.0038	0.0052	0.0046	0.0053	0.0061	2	0.0073	--	0.0075	0.0075	--	0.0077	8.9	0	0.001	2	0.02	0	--	--
	Ethylbenzene	mg/kg	31	0%	31	0.00018	0.001	0.001	0.0022	0.0051	0.0061	0	--	--	--	--	--	--	234	--	0.7	--	14	--	--	--
	Hexane, 2-methyl-	mg/kg	6	0%	6	0.0002	0.00021	0.00021	0.00021	0.00021	0.00021	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Isopropylbenzene	mg/kg	16	0%	16	0.00018	0.00018	0.0051	0.0034	0.0053	0.0061	0	--	--	--	--	--	--	157	--	--	--	--	--	--	--
	m,p-Xylene	mg/kg	30	3%	29	0.00056	0.002	0.0021	0.0028	0.0051	0.0061	1	0.00069	--	0.00069	0.00069	--	0.00069	195	0	10	0	200	0	--	--
	Methyl disulfide	mg/kg	16	0%	16	0.00021	0.00022	0.0051	0.0034	0.0053	0.0059	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Methyl ethyl ketone	mg/kg	31	23%	24	0.0014	0.0014	0.01	0.0094	0.012	0.023	7	0.0036	0.0036	0.007	0.0091	0.008	0.028	22600	0	--	--	--	--	--	--
	Methyl iodide	mg/kg	17	0%	17	0.00026	0.00026	0.0051	0.0033	0.0053	0.0061	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Methyl isobutyl ketone	mg/kg	31	0%	31	0.0016	0.005	0.0052	0.0096	0.021	0.024	0	--	--	--	--	--	--	5280	--	--	--	--	--	--	--
	Methyl n-butyl ketone	mg/kg	20	0%	20	0.00028	0.00029	0.0031	0.0023	0.0032	0.0033	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MTBE (Methyl tert-butyl ether)	mg/kg	16	0%	16	0.00046	0.00047	0.0051	0.0035	0.0053	0.0061	0	--	--	--	--	--	--	31.7	--	--	--	--	--	--	--
	n-Butyl benzene	mg/kg	16	0%	16	0.00053	0.00054	0.0051	0.0036	0.0053	0.0061	0	--	--	--	--	--	--	145	--	--	--	--	--	--	--
	n-Heptane	mg/kg	6	0%	6	0.00017	0.00017	0.00017	0.00017	0.00017	0.00017	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	n-Propyl benzene	mg/kg	16	0%	16	0.00094	0.00097	0.0051	0.0037	0.0053	0.0061	0	--	--	--	--	--	--	145	--	--	--	--	--	--	--
	o-Xylene	mg/kg	30	3%	29	0.0003	0.001	0.001	0.0022	0.0051	0.0061	1	0.00035	--	0.00035	0.00035	--	0.00035	282	0	9	0	180	0	--	--
	Styrene (monomer)	mg/kg	30	0%	30	0.001	0.001	0.0012	0.0025	0.0051	0.0061	0	--	--	--	--	--	--	1730	--	0.2	--	4	--	--	--
	tert-Butyl benzene	mg/kg	16	0%	16	0.00026	0.00027	0.0051	0.0035	0.0053	0.0061	0	--	--	--	--	--	--	132	--	--	--	--	--	--	--
	Tetrachloroethylene	mg/kg	31	6%	29	0.00027	0.00064	0.0051	0.0038	0.0053	0.0061	2	0.00022	--	0.00025	0.00025	--	0.00028	0.554	0	0.003	0	0.06	0	--	--
	Toluene	mg/kg	31	3%	30	0.00013	0.0016	0.0051	0.0039	0.0053	0.0059	1	0.00079	--	0.00079	0.00079	--	0.00079	521	0	0.6	0	12	0	--	--
	trans-1,2-Dichloroethylene	mg/kg	31	0%	31	0.00022	0.001	0.001	0.0022	0.0051	0.0061	0	--	--	--	--	--	--	54.2	--	0.03	--	0.6	--	--	--
	trans-1,3-Dichloropropylene	mg/kg	31	0%	31	0.0002	0.002	0.0021	0.0027	0.0051	0.0061	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Tribromomethane	mg/kg	31	0%	31	0.00024	0.001	0.001	0.0023	0.0051	0.0061	0	--	--	--	--	--	--	61.6	--	0.04	--	0.8	--	--	--
	Trichloroethylene	mg/kg	31	6%	29	0.00036	0.00069	0.0051	0.0038	0.0053	0.0061	2	0.00012	--	0.00025	0.00025	--	0.00038	0.0426	0	0.003	0	0.06	0	--	--
	Vinyl acetate	mg/kg	30	0%	30	0.00018	0.001	0.0011	0.0023	0.0051	0.0061	0	--	--	--	--	--	--	427	--	8	--	160	--	--	--
	Vinyl chloride	mg/kg	31	0%	31	0.00024	0.002	0.0021	0.0027	0.0051	0.0061	0	--	--	--	--	--	--	0.3	--	0.0007	--	0.014	--	--	--
	Xylenes (total)	mg/kg	17	6%	16	0.00085	0.00088	0.01	0.0064	0.011	0.012	1	0.001	--	0.001	0.001	--	0.001	193	0	10	0	200	0	--	--

Notes:

BCL = Basic Comparison Levels (BCLs) from NDEP 2009b (radionuclide values from the 2009 USEPA radionuclide PRG webpage; http://epa-prgs.ornl.gov/radionuclides). Values used are residential soil BCLs (PRGs).
SSL = Leaching-based BCLs from NDEP 2009b (radionuclide values from the 2009 USEPA radionuclide PRG webpage; http://epa-prgs.ornl.gov/radionuclides).
Max = Maximum
Min = Minimum
Q1 = 1st quartile (25th percentile)
Q3 = 3rd quartile (75th percentile)
This table includes data only to 10 feet bgs. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in the tables in Appendix B, which include all data, regardless of depth.
The values used in this are simply a comparison to NDEP BCL values for historical data, for information purposes only. Use of 1/10 of the risk-based screening level in the text on page 4-4 is proposed for the identification exceeding samples for the confirmation dataset. Therefore, these are two different uses of these values and should not be considered the same.
Because both non-detect and detected radionuclides have reported activity levels, calculated summary statistics (and exceedances of comparison levels) are presented as detected regardless of the lab detect flag. Lab detect flags are represented by the censored (non-detect) and detect count fields in the table.
Values for Q1, median, mean, and Q3 are rounded to 2 significant figures. BCLs are rounded to 3 significant figures.
a - Range of detections include estimated values of detect results between the detection limit and reporting limit. As such some minimum detected concentrations may be below the minimum reporting limit. In these cases the respective sample results are flagged in the dataset.
b - Values used are the maximum from the shallow soils background data set presented in the Background Shallow Soil Summary Report, BMI Complex and Common Area Vicinity (BRC/TIMET 2007).
c - ATSDR screening value of 50 parts per trillion (ppt) (see text). TCDD TEQ values are calculated from congener-specific concentrations. An individual TCDD TEQ value may include detect and non-detect congeners. Therefore, the number of detects and non-detects, and a frequency of detection for TCDD TEQ are not presented.
d - Exceedances of comparison levels for radionuclides are only shown for the eight radionuclides currently included in the project analyte list. Exceedance of background is shown for all radionuclides historically analyzed for within the Upper Ponds sub-area.
-- = Not applicable or no value has been established.

TABLE 2
SUMMARY OF RECENT (5TH MONITORING EVENT) ALLUVIAL AQUIFER GROUNDWATER DATA FROM MONITORING WELLS AA-18, DBMW-9, DBMW-10, DBMW-11, AND POD2
UPPER PONDS SUB-AREA
(Page 1 of 6)

Class	Chemical	Units	USEPA 2002 VI SL[1]	MCL	NDEP Water BCL	AA-18 N May 2008	DBMW-9 N May 2008	DBMW-10 N May 2008	DBMW-11 N Jun 2008	POD2 N Apr 2008
Aldehydes	Acetaldehyde	µg/L	340	--	1.7	*< 30 UJ*	R	*< 30 UJ*	*< 30 U*	R
	Chloroacetaldehyde	µg/L	--	--	--	< 10 U	R	< 10 UJ	< 10 U	R
	Formaldehyde	µg/L	--	--	1.5	*< 60 UJ*	R	*< 60 UJ*	*< 60 U*	R
General Chemistry	Alkalinity	mg/L	--	--	--	100 J-CAB	89 J-CAB	71	65	111 J-CAB
	Ammonia	µg/L	--	--	209	< 7.8 U	< 7.8 U	< 7.8 U	81.8 J+	< 7.8 U
	Bicarbonate alkalinity	mg/L	--	--	--	100 J-CAB	89 J-CAB	71	65	111 J-CAB
	Bromide	µg/L	--	--	--	460	3100 J+	530	< 250 U	860
	Bromine	µg/L	--	--	--	930	6200 J+	1100	< 5000 U	1700
	Carbonate alkalinity	mg/L	--	--	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
	Chlorate	µg/L	--	--	--	< 53 U	8100	2600	35300	194000
	Chloride	mg/L	--	250	--	225 J-CAB	**442 J-CAB**	**317**	**1880**	**1760 J-CAB**
	Chlorine	mg/L	--	--	3.7	**450**	**884**	**635**	**3760**	**3520**
	Chlorite	µg/L	--	1,000	--	< 100 U	< 400 U	< 200 U	< 400 U	*< 1000000 U*
	Cyanide (Total)	µg/L	--	200	730	< 28.2 U	R	< 3.6 U	< 3.6 U	R
	Fluoride	mg/L	--	4.0	2.2	0.71	0.91 J+	0.59	0.35	< 1 U
	Hydroxide alkalinity	mg/L	--	--	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
	Iodide	µg/L	--	--	--	< 3000 U	< 3000 U	< 3000 U	< 3000 U	< 3000 U
	Ion Balance Difference	percent	--	--	--	7.2	6.3	2	4.7	10.4
	Nitrate (as N)	µg/L	--	10,000	10000	**10800**	**17300**	**10100 J-**	**24300 J-**	**20300 J-**
	Nitrite (as N)	µg/L	--	1,000	1000	< 400 U	< 400 U	< 200 UJ	*< 2000 UJ*	< 1000 UJ
	Orthophosphate as P	µg/L	--	--	--	< 50 U	< 50 UJ	< 50 UJ	< 500 UJ	< 50 UJ
	Perchlorate	µg/L	--	18/24.5[2]	18	**106**	**3430**	**552**	**490**	**3690**
	Sulfate	mg/L	--	250	--	**429 J-CAB**	**2250 J-CAB**	**916**	**3120**	**2510 J-CAB**
	Sulfide	µg/L	--	--	--	< 180 U	< 180 U	< 180 U	< 180 U	< 180 U
	Total Inorganic Carbon	mg/L	--	--	--	26.7 J	27.8 J+	17 J-	23.5	32.7 J
	Total Kjeldahl Nitrogen (TKN)	µg/L	--	--	--	< 250 U	600 J+	< 250 U	750 J+	< 250 U
	Total Organic Carbon	mg/L	--	--	--	< 0.2 U	< 10 U	< 10 U	< 10 U	< 10 U
Metals	Aluminum	µg/L	--	50	36500	**101 J+**	**388 J+**	*< 198.2 U*	*< 198.2 U*	*< 495.5 U*
	Antimony	µg/L	--	6	14.6	*< 6.8 UJ*	*< 13.6 UJ*	*< 13.6 U*	*< 13.6 U*	< 0.68 U
	Arsenic	µg/L	--	10	0.045	**28.1 J**	**59.5 J**	**40.7 J+**	*< 38.6 U*	*< 1.93 U*
	Barium	µg/L	--	2,000	7300	22.2	15 J	19.6 J+	30.8	< 0.524 U
	Beryllium	µg/L	--	4	73	< 1.28 U	< 2.56 U	< 2.56 U	< 2.56 U	< 3.2 U
	Boron	µg/L	--	--	7300	642 J-,J-CAB	929 J-,J-CAB	1210 J+,J-CAB	2550 J+	3690 J-CAB
	Cadmium	µg/L	--	5	18.3	< 0.42 UJ	< 0.84 UJ	< 0.84 UJ	< 0.84 U	< 0.042 U
	Calcium	µg/L	--	--	--	96400 J-CAB	582000 J-CAB	212000 J-CAB	645000	652000 J-CAB
	Chromium (Total)	µg/L	--	100	--	< 30 U	< 60 U	< 60 U	< 60 UJ	< 3 U
	Chromium (VI)	µg/L	--	--	110	< 20 U	40	< 20 U	65	**150**
	Cobalt	µg/L	--	--	730	< 2.44 U	< 4.88 U	< 4.88 U	< 4.88 U	< 0.244 U
	Copper	µg/L	--	1,300	1356	< 8.1 U	< 16.2 U	< 16.2 U	< 16.2 U	< 0.81 U
	Iron	µg/L	--	300	25600	< 160 U	*< 320 U*	*< 320 U*	*< 320 U*	R
	Lead	µg/L	--	15	15	< 4.92 U	< 9.84 U	< 9.84 U	< 9.84 U	< 0.492 U
	Lithium	µg/L	--	--	73	**87.5 J**	*< 192.4 U*	*< 96.2 U*	**589**	*< 192.4 U*
	Magnesium	µg/L	--	--	--	54400 J-CAB	153000 J-CAB	89600 J-CAB	481000	211000 J-CAB
	Manganese	µg/L	--	50	1703	< 6 U	< 12 U	< 12 U	27.4	< 0.6 U
	Mercury	µg/L	--	2	--	< 0.0612 U	< 0.0612 U	< 0.0612 U	< 0.0612 U	< 0.0927 U
	Molybdenum	µg/L	--	--	183	11.1 J	89.1 J	30.7 J+	80.2	53.4 J
	Nickel	µg/L	--	--	730	< 4.867 U	13.9 J	< 9.734 U	22.4	20 J
	Niobium	µg/L	--	--	--	< 27.5 U	< 55 U	< 55 U	< 55 U	< 137.5 U
	Palladium	µg/L	--	--	--	4.5 J-	26.4 J-	12.7	38.5	26
	Phosphorus (as P)	µg/L	--	25[3]	--	*< 190 U*	*< 380 U*	*< 380 U*	*< 380 U*	*< 950 U*
	Platinum	µg/L	--	--	--	< 0.85 U	< 1.7 U	< 1.7 U	< 1.7 U	< 4.25 U
	Potassium	µg/L	--	--	--	15100 J,J-CAB	54700 J,J-CAB	57100 J-CAB	233000	18100 J-CAB

TABLE 2
SUMMARY OF RECENT (5TH MONITORING EVENT) ALLUVIAL AQUIFER GROUNDWATER DATA FROM MONITORING WELLS AA-18, DBMW-9, DBMW-10, DBMW-11, AND POD2
UPPER PONDS SUB-AREA

Class	Chemical	Units	USEPA 2002 VI SL[1]	MCL	NDEP Water BCL	AA-18 N May 2008	DBMW-9 N May 2008	DBMW-10 N May 2008	DBMW-11 N Jun 2008	POD2 N Apr 2008
Metals	Selenium	µg/L	--	50	183	< 4.804 U	12.3 J	< 9.608 U	< 9.608 U	< 0.4804 U
	Silicon	µg/L	--	--	--	26900 J-CAB	31900 J-CAB	33200 J-CAB	15700	44900 J-CAB
	Silver	µg/L	--	100	183	< 2.028 U	< 4.056 U	< 4.056 U	< 4.056 U	< 0.2028 U
	Sodium	µg/L	--	--	--	137000 J-CAB	282000 J-CAB	244000 J-CAB	712000	813000 J-CAB
	Strontium	µg/L	--	--	21900	2280 J	12000 J	5880	12700 J	11800
	Sulfur	µg/L	--	--	--	130000	667000	320000	1020000	575000 J
	Thallium	µg/L	--	2	2.6	< 1.35 U	*< 2.7 U*	*< 2.7 U*	*< 2.7 U*	< 1.35 U
	Tin	µg/L	--	--	21900	< 6.8 U	< 13.6 U	< 13.6 U	< 13.6 U	< 0.68 U
	Titanium	µg/L	--	--	146000	< 10.1 U	< 20.2 U	< 25.25 U	< 20.2 U	< 50.5 U
	Tungsten	µg/L	--	--	274	< 15.1 U	< 30.2 U	< 30.2 U	< 30.2 U	< 1.51 U
	Uranium	µg/L	--	30	110	7 J	25.9	9.7 J+	26.5	**56.7**
	Vanadium	µg/L	--	--	183	50.4 J-	< 41.82 UJ	< 41.82 U	< 41.82 U	< 2.091 U
	Zinc	µg/L	--	500	10950	< 40 U	< 80 U	137 J+	252	< 4 UJ
	Zirconium	µg/L	--	--	--	< 9 U	< 18 U	< 18 U	< 18 U	< 45 U
Organic Acids	4-Chlorobenzenesulfonic acid	µg/L	--	--	36500	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
	Benzenesulfonic acid	µg/L	--	--	18250	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
	Diethyl phosphorodithioic acid	µg/L	--	--	2920	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
	Dimethyl phosphorodithioic acid	µg/L	--	--	3650	< 250 U	< 250 U	< 250 U	< 250 U	< 250 U
	Phthalic acid	µg/L	--	--	73000	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Organochlorine Pesticides	2,4-DDD	µg/L	--	--	--	--	< 0.0071 U	< 0.0071 U	< 0.0071 U	< 0.0071 U
	2,4-DDE	µg/L	--	--	--	--	< 0.012 U	< 0.012 U	< 0.012 U	< 0.012 U
	4,4-DDD	µg/L	--	--	0.28	--	< 0.0038 U	< 0.0038 U	< 0.0038 U	< 0.0075 U
	4,4-DDE	µg/L	29	--	0.2	--	< 0.0027 U	< 0.0027 U	< 0.0027 U	< 0.013 U
	4,4-DDT	µg/L	--	--	0.2	--	< 0.0056 UJ	< 0.0056 U	< 0.0056 U	< 0.013 U
	Aldrin	µg/L	0.071	--	0.004	--	< 0.004 U	< 0.004 U	< 0.004 U	< 0.0044 U
	alpha-BHC	µg/L	3.1	--	0.011	--	**0.12 J+**	< 0.0025 U	**0.16**	< 0.0031 U
	alpha-Chlordane	µg/L	--	2	--	--	< 0.003 U	< 0.003 U	< 0.003 U	< 0.0057 U
	beta-BHC	µg/L	--	--	0.037	--	< 0.013 U	< 0.013 U	< 0.013 U	< 0.015 U
	Chlordane	µg/L	12	2	0.19	--	< 0.18 U	< 0.18 U	< 0.18 U	< 0.099 U
	delta-BHC	µg/L	--	--	--	--	< 0.006 U	< 0.006 U	< 0.006 U	< 0.0046 U
	Dieldrin	µg/L	0.86	--	0.0042	--	< 0.0023 U	< 0.0023 U	< 0.0023 U	*< 0.0057 U*
	Endosulfan I	µg/L	--	--	--	--	< 0.0025 U	< 0.0025 U	< 0.0025 U	< 0.0078 U
	Endosulfan II	µg/L	--	--	--	--	< 0.01 U	< 0.01 U	< 0.01 U	< 0.0053 U
	Endosulfan sulfate	µg/L	--	--	--	--	< 0.017 U	< 0.017 U	< 0.017 U	< 0.0063 U
	Endrin	µg/L	--	2	11	--	< 0.0028 U	< 0.0028 U	< 0.0028 U	< 0.0068 U
	Endrin aldehyde	µg/L	--	--	--	--	< 0.0032 U	< 0.0032 U	< 0.0032 U	< 0.009 U
	Endrin ketone	µg/L	--	--	--	--	< 0.016 U	< 0.016 U	< 0.016 U	< 0.005 U
	gamma-Chlordane	µg/L	--	2	--	--	< 0.0027 U	< 0.0027 U	< 0.0027 U	< 0.0088 U
	Heptachlor	µg/L	0.4	0.4	0.015	--	< 0.0025 U	< 0.0025 U	< 0.0025 U	< 0.034 U
	Heptachlor epoxide	µg/L	--	0.2	0.0074	--	< 0.0032 U	< 0.0032 U	< 0.0032 U	< 0.0062 U
	Lindane	µg/L	11	0.2	0.052	--	< 0.0025 U	< 0.0025 U	< 0.0025 U	< 0.0032 U
	Methoxychlor	µg/L	--	40	183	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U
	Toxaphene	µg/L	--	3	0.061	--	< 0.33 U	< 0.33 U	< 0.33 U	< 0.59 U
Radionuclides	Radium-226	pCi/L	--	--	0.00082	*0.34 U*	**2.4**	*-0.0947 U*	**0.41 J**	**4.59**
	Radium-228	pCi/L	--	--	0.046	*0.394 U*	**0.769**	*0.181 U*	**1.05**	**1.03**
	Radium-226/228	pCi/L		5[6]	--	0.73	3.169	0.181	1.46	**5.62**
	Thorium-228	pCi/L	--	--	0.16	*0.372 U*	*0.666 U*	0.0483 U	*0.531 U*	*0.2 U*
	Thorium-230	pCi/L	--	--	0.52	0.034 U	0.131 U	0.0988 U	**0.794**	-0.0455 U
	Thorium-232	pCi/L	--	--	0.47	0.125 U	0.102 U	-0.0747 U	-0.0341 U	0.111 U
	Uranium-233/234	pCi/L	--	--	0.66	**2.35 J**	**8.55**	**4.44**	**9.67**	**25.6 J**
	Uranium-235/236	pCi/L	--	--	0.66	0.374 U	**0.904**	0.302	**0.548**	**0.999**
	Uranium-238	pCi/L	--	--	0.55	**2.02**	**7.64**	**3.04**	**8.59**	**19.2**

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UPPER PONDS SUB-AREA

Class	Chemical	Units	USEPA 2002 VI SL[1]	MCL	NDEP Water BCL	AA-18 N May 2008	DBMW-9 N May 2008	DBMW-10 N May 2008	DBMW-11 N Jun 2008	POD2 N Apr 2008
SVOCs	1,2,4,5-Tetrachlorobenzene	µg/L	--	--	11	--	< 1 U	< 1 U	< 1 U	--
	1,2-Diphenylhydrazine	µg/L	--	--	0.084	--	*< 1 U*	*< 1 U*	*< 1 U*	--
	1,4-Dioxane	µg/L	--	--	6.1	--	< 2 U	< 2 U	< 2 U	--
	2,4,5-Trichlorophenol	µg/L	--	--	3650	--	< 2 U	< 2 U	< 2 U	--
	2,4,6-Trichlorophenol	µg/L	--	--	6.1	--	< 2 U	< 2 U	< 2 U	--
	2,4-Dichlorophenol	µg/L	--	--	110	--	< 1 U	< 1 U	< 1 U	--
	2,4-Dimethylphenol	µg/L	--	--	730	--	< 1 U	< 1 U	< 1 U	--
	2,4-Dinitrophenol	µg/L	--	--	73	--	< 10 U	< 10 U	< 10 U	--
	2,4-Dinitrotoluene	µg/L	--	--	73	--	< 1.1 U	< 1.1 U	< 1.1 U	--
	2,6-Dinitrotoluene	µg/L	--	--	36.5	--	< 1.1 U	< 1.1 U	< 1.1 U	--
	2-Chloronaphthalene	µg/L	--	--	487	--	< 1 U	< 1 U	< 1 U	--
	2-Chlorophenol	µg/L	1,100	--	30.4	--	< 1 U	< 1 U	< 1 U	--
	2-Methylnaphthalene	µg/L	3,300	--	--	--	< 1 U	< 1 U	< 1 U	--
	2-Nitroaniline	µg/L	--	--	110	--	< 2 U	< 2 U	< 2 U	--
	2-Nitrophenol	µg/L	--	--	--	--	< 1 U	< 1 U	< 1 U	--
	3,3'-Dichlorobenzidine	µg/L	--	--	0.15	--	*< 1 U*	*< 1 U*	*< 1 U*	--
	3-Methylphenol/4-Methylphenol	µg/L	--	--	--	--	< 1.2 U	< 1.2 U	< 1.2 U	--
	3-Nitroaniline	µg/L	--	--	--	--	< 1.1 U	< 1.1 U	< 1.1 U	--
	4-Bromophenyl phenyl ether	µg/L	--	--	--	--	< 1 U	< 1 U	< 1 U	--
	4-Chloro-3-Methylphenol	µg/L	--	--	--	--	< 1 U	< 1 U	< 1 U	--
	4-Chlorophenyl phenyl ether	µg/L	--	--	--	--	< 1 U	< 1 U	< 1 U	--
	4-Chlorothioanisole	µg/L	--	--	--	--	< 19 U	< 19 U	< 19 U	--
	4-Nitrophenol	µg/L	--	--	292	--	< 5 U	< 5 U	< 5 U	--
	Acenaphthene	µg/L	--	--	365	--	< 1 U	< 1 U	< 1 U	--
	Acenaphthylene	µg/L	--	--	183	--	< 1 U	< 1 U	< 1 U	--
	Acetophenone	µg/L	800,000	--	608	--	< 1 U	< 1 U	< 1 U	--
	Aniline	µg/L	--	--	11.8	--	< 1 U	< 1 U	< 1 U	--
	Anthracene	µg/L	--	--	1825	--	< 1.1 U	< 1.1 U	< 1.1 U	--
	Azobenzene	µg/L	--	--	0.1	--	*< 1 U*	*< 1 U*	*< 1 U*	--
	Benzenethiol	µg/L	--	--	--	--	< 2 U	< 2 U	< 2 U	--
	Benzo(a)anthracene	µg/L	--	--	0.092	--	*< 1 U*	*< 1 U*	*< 1 U*	--
	Benzo(a)pyrene	µg/L	--	0.2	0.0092	--	*< 1 U*	*< 1 U*	*< 1 U*	--
	Benzo(b)fluoranthene	µg/L	--	--	0.092	--	*< 1 U*	*< 1 U*	*< 1 U*	--
	Benzo(g,h,i)perylene	µg/L	--	--	1095	--	< 1 U	< 1 U	< 1 U	--
	Benzo(k)fluoranthene	µg/L	--	--	0.92	--	*< 1 U*	*< 1 U*	*< 1 U*	--
	Benzoic acid	µg/L	--	--	146000	--	< 5 U	< 5 U	< 5 U	--
	Benzyl alcohol	µg/L	--	--	10950	--	< 1 U	< 1 U	< 1 U	--
	Benzyl butyl phthalate	µg/L	--	--	7300	--	< 1 U	< 1 U	< 1 U	--
	bis(2-Chloroethoxy) methane	µg/L	0.0045	--	--	--	*< 1 U*	*< 1 U*	*< 1 U*	--
	bis(2-Chloroethyl) ether	µg/L	10	--	0.0098	--	*< 1 U*	*< 1 U*	*< 1 U*	--
	bis(2-Chloroisopropyl) ether	µg/L	51	--	0.27	--	*< 1 U*	*< 1 U*	*< 1 U*	--
	bis(2-Ethylhexyl) phthalate	µg/L	--	6	4.8	--	< 1 U	< 1 U	< 1 U	--
	bis(p-Chlorophenyl) disulfide	µg/L	--	--	--	--	< 10 U	< 10 U	< 10 U	--
	bis(p-Chlorophenyl) sulfone	µg/L	--	--	--	--	< 0.19 U	< 0.19 U	< 0.19 U	--
	Carbazole	µg/L	--	--	3.4	--	< 1 U	< 1 U	< 1 U	--
	Chrysene	µg/L	--	--	9.2	--	< 1 U	< 1 U	< 1 U	--
	Dibenzo(a,h)anthracene	µg/L	--	--	0.0092	--	*< 1 U*	*< 1 U*	*< 1 U*	--
	Dibenzofuran	µg/L	--	--	12.2	--	< 1 U	< 1 U	< 1 U	--
	Dibutyl phthalate	µg/L	--	--	3650	--	< 1 U	< 1 U	< 1 U	--
	Diethyl phthalate	µg/L	--	--	29200	--	< 1 U	< 1 U	< 1 U	--
	Dimethyl phthalate	µg/L	--	--	365000	--	< 1 U	< 1 U	< 1 U	--
	Di-n-octyl phthalate	µg/L	--	--	--	--	< 5 U	< 5 U	< 5 U	--

TABLE 2
SUMMARY OF RECENT (5TH MONITORING EVENT) ALLUVIAL AQUIFER GROUNDWATER DATA FROM MONITORING WELLS AA-18, DBMW-9, DBMW-10, DBMW-11, AND POD2
UPPER PONDS SUB-AREA
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Class	Chemical	Units	USEPA 2002 VI SL[1]	MCL	NDEP Water BCL	AA-18 N May 2008	DBMW-9 N May 2008	DBMW-10 N May 2008	DBMW-11 N Jun 2008	POD2 N Apr 2008
SVOCs	Diphenyl sulfone	µg/L	--	--	110	--	< 0.27 U	< 0.27 U	< 0.27 U	--
	Fluoranthene	µg/L	--	--	1460	--	< 1 U	< 1 U	< 1 U	--
	Fluorene	µg/L	--	--	243	--	< 1 U	< 1 U	< 1 U	--
	Hexachloro-1,3-butadiene	µg/L	0.33	--	0.86	--	*< 1 U*	*< 1 U*	*< 1 U*	--
	Hexachlorobenzene	µg/L	1	1	0.042	--	*< 1 U*	*< 1 U*	*< 1 U*	--
	Hexachlorocyclopentadiene	µg/L	50	50	219	--	< 2.5 U	< 2.5 U	< 2.5 U	--
	Hexachloroethane	µg/L	3.8	--	4.8	--	< 1 U	< 1 U	< 1 U	--
	Hydroxymethyl phthalimide	µg/L	--	--	--	--	< 1.4 U	< 1.4 UJ	< 1.4 UJ	--
	Indeno(1,2,3-cd)pyrene	µg/L	--	--	0.092	--	*< 1 U*	*< 1 U*	*< 1 U*	--
	Isophorone	µg/L	--	--	70.8	--	< 1 U	< 1 U	< 1 U	--
	Naphthalene	µg/L	150	--	6.2	--	< 1 U	< 1 U	< 1 U	--
	Nitrobenzene	µg/L	2,000	--	3.4	--	< 1 U	< 1 U	< 1 U	--
	N-nitrosodi-n-propylamine	µg/L	--	--	0.0096	--	*< 1 U*	*< 1 U*	*< 1 U*	--
	N-nitrosodiphenylamine	µg/L	--	--	13.7	--	< 1 U	< 1 U	< 1 U	--
	o-Cresol	µg/L	--	--	1825	--	< 2 U	< 2 U	< 2 U	--
	Octachlorostyrene	µg/L	--	--	--	--	< 0.68 U	< 0.68 U	< 0.68 U	--
	p-Chloroaniline	µg/L	--	--	146	--	< 1 U	< 1 U	< 1 U	--
	p-Chlorothiophenol	µg/L	--	--	--	--	< 2.6 U	< 2.6 U	< 2.6 U	--
	Pentachlorobenzene	µg/L	--	--	29.2	--	< 2.7 U	< 2.7 U	< 2.7 U	--
	Pentachlorophenol	µg/L	--	1	0.56	--	*< 2 U*	*< 2 U*	*< 2 U*	--
	Phenanthrene	µg/L	--	--	183	--	< 1 U	< 1 U	< 1 U	--
	Phenol	µg/L	--	--	10950	--	< 4 U	< 4 U	< 4 U	--
	Phenyl Disulfide	µg/L	--	--	--	--	< 0.61 U	< 0.61 U	< 0.61 U	--
	Phenyl Sulfide	µg/L	--	--	--	--	< 0.73 U	< 0.73 U	< 0.73 U	--
	p-Nitroaniline	µg/L	--	--	--	--	< 1.3 U	< 1.3 U	< 1.3 U	--
	Pyrene	µg/L	--	--	183	--	< 1 U	< 1 U	< 1 U	--
	Pyridine	µg/L	--	--	6.1	--	< 5 U	< 5 U	< 5 U	--
VOCs	1,1,1,2-Tetrachloroethane	µg/L	3.3	--	0.43	*< 0.1 U*	*< 0.1 U*	*< 0.1 U*	*< 0.1 U*	*< 0.1 U*
	1,1,1-Trichloroethane	µg/L	3,100	200	8965	< 0.099 U	< 0.099 U	< 0.099 U	< 0.099 U	< 0.099 U
	1,1,2,2-Tetrachloroethane	µg/L	3	--	0.055	*< 0.27 U*	*< 0.27 U*	*< 0.27 U*	*< 0.27 U*	*< 0.27 U*
	1,1,2-Trichloroethane	µg/L	5	5	0.2	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U
	1,1-Dichloroethane	µg/L	2,200	--	1217	< 0.07 U	< 0.07 U	< 0.07 U	< 0.07 U	< 0.07 U
	1,1-Dichloroethene	µg/L	190	7	339	< 0.085 U	< 0.085 U	< 0.085 U	< 0.085 U	< 0.085 U
	1,1-Dichloropropene	µg/L	--	--	--	< 0.087 U	< 0.087 U	< 0.087 U	< 0.087 U	< 0.087 U
	1,2,3-Trichlorobenzene	µg/L	--	--	--	< 0.64 U	< 0.64 U	< 0.64 U	< 0.64 U	< 0.64 U
	1,2,3-Trichloropropane	µg/L	290	--	0.034	*< 0.22 U*	*< 0.22 U*	*< 0.22 U*	*< 0.22 U*	*< 0.22 U*
	1,2,4-Trichlorobenzene	µg/L	3,400	70	8.2	< 0.79 U	< 0.79 U	< 0.79 U	< 0.79 U	< 0.79 U
	1,2,4-Trimethylbenzene	µg/L	24	--	2.1	< 0.069 U	< 0.069 U	< 0.069 U	< 0.069 U	< 0.069 U
	1,2-Dibromo-3-chloropropane	µg/L	33	0.2	0.00064	*< 0.48 U*	*< 0.48 U*	*< 0.48 U*	*< 0.48 U*	*< 0.48 U*
	1,2-Dichlorobenzene	µg/L	2,600	600	49.3	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
	1,2-Dichloroethane	µg/L	5	5	0.12	*< 0.18 U*	*< 0.18 U*	*< 0.18 U*	*< 0.18 U*	*< 0.18 U*
	1,2-Dichloroethene	µg/L	--	--	--	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U
	1,2-Dichloropropane	µg/L	35	5	0.16	< 0.077 U	< 0.077 U	< 0.077 U	< 0.077 U	< 0.077 U
	1,3,5-Trichlorobenzene	µg/L	--	--	--	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
	1,3,5-Trimethylbenzene	µg/L	25	--	12.3	< 0.058 U	< 0.058 U	< 0.058 U	< 0.058 U	< 0.058 U
	1,3-Dichlorobenzene	µg/L	830	--	14.5	< 0.046 U	< 0.046 U	< 0.046 U	< 0.046 U	< 0.046 U
	1,3-Dichloropropane	µg/L	0.84	--	122	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U
	1,4-Dichlorobenzene	µg/L	8,200	75	0.47	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
	1-Nonanal	µg/L	--	--	--	< 0.007 UJ	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 UJ
	2,2,3-Trimethylbutane	µg/L	--	--	--	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
	2,2-Dichloropropane	µg/L	--	--	--	< 0.084 U	< 0.084 U	< 0.084 U	< 0.084 U	< 0.084 U
	2,2-Dimethylpentane	µg/L	--	--	--	< 0.093 U	< 0.093 U	< 0.093 U	< 0.093 U	< 0.093 U

TABLE 2
SUMMARY OF RECENT (5TH MONITORING EVENT) ALLUVIAL AQUIFER GROUNDWATER DATA FROM MONITORING WELLS AA-18, DBMW-9, DBMW-10, DBMW-11, AND POD2
UPPER PONDS SUB-AREA
(Page 5 of 6)

Class	Chemical	Units	USEPA 2002 VI SL[1]	MCL	NDEP Water BCL	AA-18 N May 2008	DBMW-9 N May 2008	DBMW-10 N May 2008	DBMW-11 N Jun 2008	POD2 N Apr 2008
VOCs	2,3-Dimethylpentane	µg/L	--	--	--	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U
	2,4-Dimethylpentane	µg/L	--	--	--	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U
	2-Chlorotoluene	µg/L	--	--	122	< 0.068 U	< 0.068 U	< 0.068 U	< 0.068 U	< 0.068 U
	2-Nitropropane	µg/L	0.18	--	0.0012	*< 0.034 UJ*	*< 0.034 U*	*< 0.034 U*	*< 0.034 U*	*< 0.034 UJ*
	2-Phenylbutane	µg/L	--	--	60.8	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U
	3,3-dimethylpentane	µg/L	--	--	--	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
	3-ethylpentane	µg/L	--	--	--	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
	3-Methylhexane	µg/L	--	--	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
	4-Chlorotoluene	µg/L	--	--	--	< 0.068 U	< 0.068 U	< 0.068 U	< 0.068 U	< 0.068 U
	Acetone	µg/L	220,000	--	5475	< 0.56 U	< 0.56 U	2.1 J+	< 0.56 U	< 0.56 U
	Acetonitrile	µg/L	42,000	--	124	< 4.2 U	< 4.2 U	< 4.2 U	< 4.2 U	< 4.2 U
	Benzene	µg/L	5	5	0.35	< 0.032 U	< 0.032 U	< 0.032 U	< 0.032 U	< 0.032 U
	Bromobenzene	µg/L	--	--	23.3	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U
	Bromodichloromethane	µg/L	2.1	80[7]	0.18	< 0.088 U	< 0.088 U	< 0.088 U	< 0.088 U	< 0.088 U
	Bromomethane	µg/L	--	--	8.7	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
	Carbon disulfide	µg/L	560	--	1043	< 0.029 U	< 0.029 U	< 0.029 U	< 0.029 U	< 0.029 U
	Carbon tetrachloride	µg/L	5	5	0.17	< 0.042 U	< 0.042 U	< 0.042 U	< 0.042 U	< 0.042 U
	Freon 11	µg/L	180	--	1288	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
	Freon 12	µg/L	14	--	395	< 0.074 UJ	< 0.074 U	< 0.074 U	< 0.074 U	< 0.074 UJ
	Freon 113	µg/L	1,500	--	59180	< 0.072 U	< 0.072 U	< 0.072 U	< 0.072 U	< 0.072 U
	Chlorobenzene	µg/L	390	100	89.6	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U
	Chlorobromomethane	µg/L	3.2	--	--	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
	Chlorodibromomethane	µg/L	--	80[7]	0.13	*< 0.17 U*	*< 0.17 U*	*< 0.17 U*	*< 0.17 U*	*< 0.17 U*
	Chloroethane	µg/L	28,000	--	3.9	< 0.085 U	< 0.085 U	< 0.085 U	< 0.085 U	< 0.085 U
	Chloroform	µg/L	80	80[7]	0.17	**7.2 J+**	**140**	**33 J+**	**410 J+**	**59**
	Chloromethane	µg/L	--	--	188	< 0.036 UJ	< 0.036 U	< 0.036 U	< 0.036 U	< 0.036 UJ
	cis-1,2-Dichloroethene	µg/L	210	70	60.8	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
	cis-1,3-Dichloropropene	µg/L	--	--	--	< 0.099 U	< 0.099 U	< 0.099 U	< 0.099 U	< 0.099 U
	Cymene	µg/L	--	--	--	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U
	Dibromomethane	µg/L	990	--	60.8	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U
	Dichloromethane	µg/L	58	5	4.3	< 0.091 U	< 0.091 U	< 0.091 U	< 0.091 U	< 0.091 U
	Ethanol	µg/L	--	--	--	< 36 U	< 36 UJ	< 36 UJ	< 36 UJ	< 36 U
	Ethylbenzene	µg/L	700	700	1340	< 0.061 U	< 0.061 U	< 0.061 U	< 0.061 U	< 0.061 U
	Hexane, 2-methyl-	µg/L	--	--	--	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U
	Isopropylbenzene	µg/L	8.4	--	658	< 0.032 U	< 0.032 U	< 0.032 U	< 0.032 U	< 0.032 U
	m,p-Xylene	µg/L	--	--	--	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U
	Methyl disulfide	µg/L	--	--	--	< 0.089 U	< 0.089 U	< 0.089 U	< 0.089 U	< 0.089 U
	Methyl ethyl ketone	µg/L	440,000	--	7065	< 0.96 UJ	< 0.96 U	< 0.96 U	< 0.96 U	< 0.96 UJ
	Methyl iodide	µg/L	--	--	--	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U
	Methyl isobutyl ketone	µg/L	14,000	--	1991	< 0.72 U	< 0.72 U	< 0.72 U	< 0.72 U	< 0.72 U
	Methyl n-butyl ketone	µg/L	--	--	--	< 0.08 U	< 0.08 UJ	< 0.08 U	< 0.08 UJ	< 0.08 U
	MTBE (Methyl tert-butyl ether)	µg/L	120,000	--	10.6	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
	n-Butyl benzene	µg/L	260	--	60.8	< 0.069 U	< 0.069 U	< 0.069 U	< 0.069 U	< 0.069 U
	n-Heptane	µg/L	--	--	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U
	n-Propyl benzene	µg/L	320	--	60.8	< 0.029 U	< 0.029 U	< 0.029 U	< 0.029 U	< 0.029 U
	o-Xylene	µg/L	--	--	73000	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U
	Styrene	µg/L	8,900	100	1641	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U
	tert-Butyl benzene	µg/L	290	--	60.8	< 0.039 U	< 0.039 U	< 0.039 U	< 0.039 U	< 0.039 U
	Tetrachloroethene	µg/L	5	5	0.1	*< 0.14 U*	*< 0.14 U*	*< 0.14 U*	*< 0.14 U*	**1.8**
	Toluene	µg/L	1,500	1,000	2281	< 0.029 U	0.14 J	< 0.029 U	< 0.029 U	< 0.029 U
	trans-1,2-Dichloroethene	µg/L	180	100	106	< 0.089 U	< 0.089 U	< 0.089 U	< 0.089 U	< 0.089 U
	trans-1,3-Dichloropropene	µg/L	--	--	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U

TABLE 2
SUMMARY OF RECENT (5TH MONITORING EVENT) ALLUVIAL AQUIFER GROUNDWATER DATA FROM MONITORING WELLS AA-18, DBMW-9, DBMW-10, DBMW-11, AND POD2
UPPER PONDS SUB-AREA
(Page 6 of 6)

Class	Chemical	Units	USEPA 2002 VI SL[1]	MCL	NDEP Water BCL	AA-18 N May 2008	DBMW-9 N May 2008	DBMW-10 N May 2008	DBMW-11 N Jun 2008	POD2 N Apr 2008
VOCs	Tribromomethane	µg/L	0.0083	80[7]	8.5	< 0.27 U	< 0.27 U	< 0.27 U	< 0.27 U	< 0.27 U
	Trichloroethene	µg/L	5	5	0.028	*< 0.11 U*	*< 0.11 U*	*< 0.11 U*	*< 0.11 U*	*< 0.11 U*
	Vinyl acetate	µg/L	9,600	--	412	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U
	Vinyl chloride	µg/L	2	2	0.084	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
	Xylenes (total)	µg/L	22,000	10,000	203	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U
Water Quality Parameters	Conductivity	umhos/cm	--	--	--	1740	4480	2810	9060	8040
	Hardness, Total	mg/L	--	--	--	525	2050	940	3440	2870
	pH (Hydrogen Ion)	--	--	6.5-9[3]	--	7.9 J	7.6 J	7.6 J	7.5 J	7.3 J
	Total Dissolved Solids	mg/L	--	500	--	**1160**	**3700 J-**	**1760**	**7250**	**6170 J-**
	Total Suspended Solids	mg/L	--	--	--	10	14	6	19	17

[1]Groundwater to indoor air vapor intrusion screening level; from USEPA. 2002. Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance). Table 2c (Generic Screening Levels and Summary Sheet; Risk = 1 x 10-6).
[2]A MCL for perchlorate has not been promulgated. The USEPA Drinking Water Equivalent Level of 24.5 ug/L was used.
[3]A NDEP water quality standard was used for Class A (municipal or domestic supply) waters for pH and total phosphorus based on Nevada Administrative Code (NAC) 445A.118 through 445A.225.
[4]The MCL for Alpha Particles was used as comparison to Gross Alpha results. The MCL excludes the contributions from radon and uranium. The Gross Alpha concentrations were not adjusted due to contributions from radon nor uranium prior to comparison to MCL.
[5]The MCL for Beta particles photon emitters is 4 millirems per year and was not used to compare to Gross Beta concentrations.
[6]The constituent is regulated under the MCL for the combined concentration of radium-226 and radium-228. For comparison to the MCL, concentrations of both constituents are summed.
[7]The constituent is regulated under the MCL for Total Trihalomethanes (TTHM). For comparison to the MCL for TTHM, concentrations of all TTHM constituents need to be considered. Chloroform was the only TTHM detected and the detection limits of all TTHM analyzed for do not sum to a concentration that would exceed the TTHM MCL.

Bold values indicate value exceeds lowest comparison level; *italicized* values indicate detection limit exceeds lowest comparison level.

TABLE 3
2008 DEBRIS SURVEY RESULTS
UPPER PONDS SUB-AREA
(Page 1 of 1)

Station No.	Item Descriptions	Sample Location
D1	concrete, bricks, glass, lumber, tires, furniture, metal & plastic parts, metal cans	UPC1-JS01
D2	Abandoned, burned vehicle, damaged battery	UPC1-JS02
D3	car parts, trash	UPC1-JS03
D4	lumber, trash, computer parts	UPC1-JS04
D5	abandoned vehicle, computer & TV parts, one 55-gallon steel drum with unknown contents	UPC1-JS05

Notes:
Results are based on a ground survey conducted December 2008.
See Table 5 for analyses at each sample location.
All debris locations will be removed/scraped prior to initiation of sampling activities at the Site.

TABLE 4
SAMPLE-SPECIFIC COLLECTION DEPTHS
UPPER PONDS SUB-AREA
(Page 1 of 4)

Sample Location	Sample Type	Grading Plan		Sample Depth 1	Sample Depth 2	Sample Depth 3
UPC1-AS15	Random with Flux	Fill	+5	0 (Surface)	10 (Subsurface)	--
UPC1-AS16	Random	Fill	+5	0 (Surface)	10 (Subsurface)	--
UPC1-AS17	Random	--	0	0 (Surface)	10 (Subsurface)	--
UPC1-AT15	Random	Fill	+1	0 (Surface)	10 (Subsurface)	--
UPC1-AT16	Random	Fill	+2	0 (Surface)	10 (Subsurface)	--
UPC1-AT17	Random	--	0	0 (Surface)	10 (Subsurface)	--
UPC1-AT18	Random with Flux	Cut	-1	0 (Fill/Surface)	11 (Subsurface)	--
UPC1-AT19	Random with Flux	Cut	-6	0 (Fill/Surface)	6 (Surface)	16 (Subsurface)
UPC1-AU15	Random	Cut	-1	0 (Fill/Surface)	11 (Subsurface)	--
UPC1-AU16	Random with Flux	Fill	+2	0 (Surface)	10 (Subsurface)	--
UPC1-AU17	Random	Cut	-1	0 (Fill/Surface)	11 (Subsurface)	--
UPC1-AU18	Random	Cut	-2	0 (Fill/Surface)	12 (Subsurface)	--
UPC1-AU19	Random with Flux	Cut	-7	0 (Fill/Surface)	7 (Surface)	17 (Subsurface)
UPC1-AV15	Random	Fill	+5	0 (Surface)	10 (Subsurface)	--
UPC1-AV16	Random	Fill	+1	0 (Surface)	10 (Subsurface)	--
UPC1-AV17	Random	Fill	+1	0 (Surface)	10 (Subsurface)	--
UPC1-AV18	Random	Cut	-5	0 (Fill/Surface)	5 (Surface)	15 (Subsurface)
UPC1-AV19	Random with Flux	Cut	-6	0 (Fill/Surface)	6 (Surface)	16 (Subsurface)
UPC1-AW15	Random	Fill	+2	0 (Surface)	10 (Subsurface)	--
UPC1-AW16	Random with Flux	Fill	+2	0 (Surface)	10 (Subsurface)	--
UPC1-AW17	Random	Fill	+1	0 (Surface)	10 (Subsurface)	--
UPC1-AW18	Random with Flux	Cut	-1	0 (Fill/Surface)	11 (Subsurface)	--
UPC1-AW19	Random	Cut	-10	0 (Fill/Surface)	10 (Surface)	20 (Subsurface)
UPC1-AX15	Random	Cut	-1	0 (Fill/Surface)	11 (Subsurface)	--
UPC1-AX16	Random	Fill	+3	0 (Surface)	10 (Subsurface)	--
UPC1-AX17	Random with Flux	--	0	0 (Surface)	10 (Subsurface)	--
UPC1-AX18	Random	Cut	-3	0 (Fill/Surface)	3 (Surface)	13 (Subsurface)
UPC1-AX19	Random	Cut	-4	0 (Fill/Surface)	4 (Surface)	14 (Subsurface)
UPC1-AX20	Random with Flux	Cut	-3	0 (Fill/Surface)	3 (Surface)	13 (Subsurface)
UPC1-AX26	Random	Cut	-3	0 (Fill/Surface)	3 (Surface)	13 (Subsurface)
UPC1-AX27	Random	Cut	-7	0 (Fill/Surface)	7 (Surface)	17 (Subsurface)
UPC1-AX28	Random	--	0	0 (Surface)	10 (Subsurface)	--
UPC1-AX29	Random	--	0	0 (Surface)	10 (Subsurface)	--
UPC1-AY20	Random with Flux	Cut	-1	0 (Fill/Surface)	11 (Subsurface)	--
UPC1-AY21	Random	Cut	-2	0 (Fill/Surface)	12 (Subsurface)	--
UPC1-AY24	Random with Flux	Cut	-4	0 (Fill/Surface)	4 (Surface)	14 (Subsurface)
UPC1-AY25	Random	Cut	-1	0 (Fill/Surface)	11 (Subsurface)	--
UPC1-AY26	Random	Cut	-2	0 (Fill/Surface)	12 (Subsurface)	--
UPC1-AY27	Random	--	0	0 (Surface)	10 (Subsurface)	--
UPC1-AY28	Random	Fill	+2	0 (Surface)	10 (Subsurface)	--
UPC1-AY29	Random	Cut	-5	0 (Fill/Surface)	5 (Surface)	15 (Subsurface)
UPC1-AY30	Random	Cut	-1	0 (Fill/Surface)	11 (Subsurface)	--
UPC1-AY31	Random with Flux	--	0	0 (Surface)	10 (Subsurface)	--
UPC1-AY32	Random	Cut	-2	0 (Fill/Surface)	12 (Subsurface)	--
UPC1-AZ20	Random	Cut	-4	0 (Fill/Surface)	4 (Surface)	14 (Subsurface)
UPC1-AZ21	Random	Cut	-2	0 (Fill/Surface)	12 (Subsurface)	--

TABLE 4
SAMPLE-SPECIFIC COLLECTION DEPTHS
UPPER PONDS SUB-AREA

Sample Location	Sample Type	Grading Plan	Sample Depth 1	Sample Depth 2	Sample Depth 3
UPC1-AZ22	Random with Flux	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
UPC1-AZ23	Random	Cut -1	0 (Fill/Surface)	11 (Subsurface)	--
UPC1-AZ24	Random	Cut -1	0 (Fill/Surface)	11 (Subsurface)	--
UPC1-AZ25	Random	Cut -3	0 (Fill/Surface)	3 (Surface)	13 (Subsurface)
UPC1-AZ26	Random	Cut -3	0 (Fill/Surface)	3 (Surface)	13 (Subsurface)
UPC1-AZ27	Random	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
UPC1-AZ28	Random	Fill +1	0 (Surface)	10 (Subsurface)	--
UPC1-AZ29	Random with Flux	Cut -1	0 (Fill/Surface)	11 (Subsurface)	--
UPC1-AZ30	Random	-- 0	0 (Surface)	10 (Subsurface)	--
UPC1-AZ31	Random	Cut -5	0 (Fill/Surface)	5 (Surface)	15 (Subsurface)
UPC1-AZ32	Random	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
UPC1-AZ33	Random with Flux	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
UPC1-AZ34	Random	Cut -3	0 (Fill/Surface)	3 (Surface)	13 (Subsurface)
UPC1-AZ35	Random with Flux	Cut -3	0 (Fill/Surface)	3 (Surface)	13 (Subsurface)
UPC1-BA20	Random	-- 0	0 (Surface)	10 (Subsurface)	--
UPC1-BA21	Random with Flux	Cut -1	0 (Fill/Surface)	11 (Subsurface)	--
UPC1-BA22	Random	Cut -1	0 (Fill/Surface)	11 (Subsurface)	--
UPC1-BA23	Random	-- 0	0 (Surface)	10 (Subsurface)	--
UPC1-BA24	Random with Flux	Cut -4	0 (Fill/Surface)	4 (Surface)	14 (Subsurface)
UPC1-BA25	Random	Cut -1	0 (Fill/Surface)	11 (Subsurface)	--
UPC1-BA26	Random	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
UPC1-BA27	Random	Cut -7	0 (Fill/Surface)	7 (Surface)	17 (Subsurface)
UPC1-BA28	Random	-- 0	0 (Surface)	10 (Subsurface)	--
UPC1-BA29	Random	Cut -4	0 (Fill/Surface)	4 (Surface)	14 (Subsurface)
UPC1-BA30	Random	Cut -5	0 (Fill/Surface)	5 (Surface)	15 (Subsurface)
UPC1-BA31	Random	-- 0	0 (Surface)	10 (Subsurface)	--
UPC1-BA32	Random with Flux	Cut -1	0 (Fill/Surface)	11 (Subsurface)	--
UPC1-BA33	Random with Flux	Cut -1	0 (Fill/Surface)	11 (Subsurface)	--
UPC1-BA34	Random	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
UPC1-BA35	Random with Flux	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
UPC1-BB20	Random with Flux	Fill +1	0 (Surface)	10 (Subsurface)	--
UPC1-BB21	Random	Fill +1	0 (Surface)	10 (Subsurface)	--
UPC1-BB22	Random with Flux	-- 0	0 (Surface)	10 (Subsurface)	--
UPC1-BB23	Random	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
UPC1-BB24	Random with Flux	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
UPC1-BB25	Random with Flux	Cut -3	0 (Fill/Surface)	3 (Surface)	13 (Subsurface)
UPC1-BB26	Random with Flux	Cut -4	0 (Fill/Surface)	4 (Surface)	14 (Subsurface)
UPC1-BB27	Random with Flux	-- 0	0 (Surface)	10 (Subsurface)	--
UPC1-BB28	Random	Cut -8	0 (Fill/Surface)	8 (Surface)	18 (Subsurface)
UPC1-BB29	Random with Flux	Fill +2	0 (Surface)	10 (Subsurface)	--
UPC1-BB30	Random with Flux	Fill +1	0 (Surface)	10 (Subsurface)	--
UPC1-BB31	Random with Flux	Cut -1	0 (Fill/Surface)	11 (Subsurface)	--
UPC1-BB32	Random with Flux	-- 0	0 (Surface)	10 (Subsurface)	--
UPC1-BB33	Random	Fill +1	0 (Surface)	10 (Subsurface)	--
UPC1-BB34	Random with Flux	Cut -7	0 (Fill/Surface)	7 (Surface)	17 (Subsurface)
UPC1-BB35	Random with Flux	-- 0	0 (Surface)	10 (Subsurface)	--

TABLE 4
SAMPLE-SPECIFIC COLLECTION DEPTHS
UPPER PONDS SUB-AREA
(Page 3 of 4)

Sample Location	Sample Type	Grading Plan	Sample Depth 1	Sample Depth 2	Sample Depth 3
UPC1-JB01	Berm with Flux	Cut -1	0 (Fill/Surface)	11 (Subsurface)	--
UPC1-JB02	Berm with Flux	Cut -6	0 (Fill/Surface)	6 (Surface)	16 (Subsurface)
UPC1-JB03	Berm with Flux	Cut -6	0 (Fill/Surface)	6 (Surface)	16 (Subsurface)
UPC1-JB04	Berm with Flux	Cut -7	0 (Fill/Surface)	7 (Surface)	17 (Subsurface)
UPC1-JB05	Berm with Flux	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
UPC1-JB06	Berm with Flux	Cut -6	0 (Fill/Surface)	6 (Surface)	16 (Subsurface)
UPC1-JB07	Berm with Flux	Cut -3	0 (Fill/Surface)	3 (Surface)	13 (Subsurface)
UPC1-JB08	Berm with Flux	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
UPC1-JB09	Berm with Flux	Cut -5	0 (Fill/Surface)	5 (Surface)	15 (Subsurface)
UPC1-JB10	Berm with Flux	Cut -5	0 (Fill/Surface)	5 (Surface)	15 (Subsurface)
UPC1-JB11	Berm with Flux	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
UPC1-JB12	Berm with Flux	Cut -6	0 (Fill/Surface)	6 (Surface)	16 (Subsurface)
UPC1-JB13	Berm with Flux	Cut -5	0 (Fill/Surface)	5 (Surface)	15 (Subsurface)
UPC1-JB14	Berm with Flux	Cut -6	0 (Fill/Surface)	6 (Surface)	16 (Subsurface)
UPC1-JB15	Berm with Flux	Cut -3	0 (Fill/Surface)	3 (Surface)	13 (Subsurface)
UPC1-JB16	Berm	Cut -6	0 (Fill/Surface)	6 (Surface)	16 (Subsurface)
UPC1-JB17	Berm with Flux	-- 0	0 (Surface)	10 (Subsurface)	--
UPC1-JB18	Berm with Flux	Cut -5	0 (Fill/Surface)	5 (Surface)	15 (Subsurface)
UPC1-JB19	Berm with Flux	Cut -6	0 (Fill/Surface)	6 (Surface)	16 (Subsurface)
UPC1-JB20	Berm with Flux	Cut -3	0 (Fill/Surface)	3 (Surface)	13 (Subsurface)
UPC1-JB21	Berm	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
UPC1-JB22	Berm with Flux	Cut -7	0 (Fill/Surface)	7 (Surface)	17 (Subsurface)
UPC1-JB23	Berm with Flux	Cut -5	0 (Fill/Surface)	5 (Surface)	15 (Subsurface)
UPC1-JB24	Berm with Flux	Cut -4	0 (Fill/Surface)	4 (Surface)	14 (Subsurface)
UPC1-JB25	Berm with Flux	Cut -4	0 (Fill/Surface)	4 (Surface)	14 (Subsurface)
UPC1-JB26	Berm with Flux	Cut -6	0 (Fill/Surface)	6 (Surface)	16 (Subsurface)
UPC1-JD01	Ditch	Fill +10	0 (Surface)	10 (Subsurface)	--
UPC1-JD02	Ditch	Fill +12	0 (Surface)	10 (Subsurface)	--
UPC1-JD03	Ditch	Fill +10	0 (Surface)	10 (Subsurface)	--
UPC1-JD04	Ditch with Flux	Fill +8	0 (Surface)	10 (Subsurface)	--
UPC1-JD05	Ditch	Fill +5	0 (Surface)	10 (Subsurface)	--
UPC1-JD06	Ditch with Flux	Fill +6	0 (Surface)	10 (Subsurface)	--
UPC1-JD07	Ditch	Fill +6	0 (Surface)	10 (Subsurface)	--
UPC1-JD08	Ditch with Flux	Fill +6	0 (Surface)	10 (Subsurface)	--
UPC1-JD09	Ditch	Fill +8	0 (Surface)	10 (Subsurface)	--
UPC1-JD10	Ditch with Flux	Fill +11	0 (Surface)	10 (Subsurface)	--
UPC1-JD11	Ditch	Fill +11	0 (Surface)	10 (Subsurface)	--
UPC1-JD12	Ditch with Flux	Fill +8	0 (Surface)	10 (Subsurface)	--
UPC1-JD13	Ditch	Fill +5	0 (Surface)	10 (Subsurface)	--
UPC1-JD14	Ditch	Cut -3	0 (Fill/Surface)	3 (Surface)	13 (Subsurface)
UPC1-JD15	Ditch	Cut -3	0 (Fill/Surface)	3 (Surface)	13 (Subsurface)
UPC1-JD16	Ditch	Cut -4	0 (Fill/Surface)	4 (Surface)	14 (Subsurface)
UPC1-JD17	Ditch	Cut -4	0 (Fill/Surface)	4 (Surface)	14 (Subsurface)
UPC1-JD18	Ditch	Cut -1	0 (Fill/Surface)	11 (Subsurface)	--
UPC1-JD19	Ditch	Fill +1	0 (Surface)	10 (Subsurface)	--
UPC1-JD20	Ditch	Fill +2	0 (Surface)	10 (Subsurface)	--

TABLE 4
SAMPLE-SPECIFIC COLLECTION DEPTHS
UPPER PONDS SUB-AREA
(Page 4 of 4)

Sample Location	Sample Type	Grading Plan	Sample Depth 1	Sample Depth 2	Sample Depth 3
UPC1-JD21	Ditch	Fill +4	0 (Surface)	10 (Subsurface)	--
UPC1-JP01	Pond with Flux	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
UPC1-JP02	Pond with Flux	Cut -4	0 (Fill/Surface)	4 (Surface)	14 (Subsurface)
UPC1-JP03	Pond with Flux	Fill +3	0 (Surface)	10 (Subsurface)	--
UPC1-JP04	Pond with Flux	Fill +1	0 (Surface)	10 (Subsurface)	--
UPC1-JP05	Pond with Flux	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
UPC1-JP06	Pond with Flux	Fill +1	0 (Surface)	10 (Subsurface)	--
UPC1-JP07	Pond with Flux	Cut -4	0 (Fill/Surface)	4 (Surface)	14 (Subsurface)
UPC1-JP08	Pond with Flux	Fill +2	0 (Surface)	10 (Subsurface)	--
UPC1-JP09	Pond with Flux	Cut -3	0 (Fill/Surface)	3 (Surface)	13 (Subsurface)
UPC1-JP10	Pond with Flux	Cut -3	0 (Fill/Surface)	3 (Surface)	13 (Subsurface)
UPC1-JP11	Pond with Flux	Fill +1	0 (Surface)	10 (Subsurface)	--
UPC1-JP12	Pond with Flux	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
UPC1-JP13	Pond with Flux	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
UPC1-JP14	Pond with Flux	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
UPC1-JP15	Pond with Flux	Cut -3	0 (Fill/Surface)	3 (Surface)	13 (Subsurface)
UPC1-JP16	Pond with Flux	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
UPC1-JP17	Pond with Flux	Fill +1	0 (Surface)	10 (Subsurface)	--
UPC1-JP18	Pond with Flux	-- 0	0 (Surface)	10 (Subsurface)	--
UPC1-JP19	Pond with Flux	Cut -3	0 (Fill/Surface)	3 (Surface)	13 (Subsurface)
UPC1-JP20	Pond with Flux	Cut -3	0 (Fill/Surface)	3 (Surface)	13 (Subsurface)
UPC1-JP21	Pond with Flux	Cut -1	0 (Fill/Surface)	11 (Subsurface)	--
UPC1-JP22	Pond with Flux	Cut -1	0 (Fill/Surface)	11 (Subsurface)	--
UPC1-JP23	Pond with Flux	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
UPC1-JP24	Pond with Flux	Fill +3	0 (Surface)	10 (Subsurface)	--
UPC1-JP25	Pond	Fill +1	0 (Surface)	10 (Subsurface)	--
UPC1-JP26	Pond with Flux	-- 0	0 (Surface)	10 (Subsurface)	--
UPC1-JP27	Pond	-- 0	0 (Surface)	10 (Subsurface)	--
UPC1-JP28	Pond with Flux	-- 0	0 (Surface)	10 (Subsurface)	--
UPC1-JS01	Debris	-- 0	0 (Surface)	10 (Subsurface)	--
UPC1-JS02	Debris with Flux	Cut -1	0 (Fill/Surface)	11 (Subsurface)	--
UPC1-JS03	Debris with Flux	Fill +1	0 (Surface)	10 (Subsurface)	--
UPC1-JS04	Debris with Flux	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
UPC1-JS05	Debris	Cut -1	0 (Fill/Surface)	11 (Subsurface)	--

Note: Because sample collection will be over a two to three foot depth interval, sample locations with an anticipated cut depth less than three feet will only be sampled at the surface and one post-grade subsurface depth.

*Due to surface disturbances subsequent to site activities, surface samples are not proposed for collection at these sample locations (see text).

Yellow shaded locations (UPC1-AV18, UPC1-AY32 and UPC1-AZ24) indicates deep soil samples will be collected for physical parameter analyses.

Green shaded locations (UPC1-AT16, UPC1-AZ32 and UPC1-BA22) indicates subsurface soil samples will also include synthetic precipitation leaching procedure (SPLP) sampling and analysis.

Depths are in feet bgs (current grade).

TABLE 5
SITE-RELATED CHEMICALS LIST AND PROPOSED SAMPLE ANALYSES AND DEPTHS
UPPER PONDS SUB-AREA

Parameter of Interest	Analytical Method	Compound List	CAS Number	Sample Depth (from Table 4)			SPLP
				Depth 1	Depth 2/3	Deep	
Ions	**EPA 300.0**	Bromide	24959-67-9	✓	✓	(g)	(h)
		Bromine	7726-95-6	(a)	(a)	(a)	(h)
		Chlorate	14866-68-3	✓	✓	(g)	(h)
		Chloride	16887-00-6	✓	✓	(g)	(h)
		Chlorine (soluble)	7782-50-5	(a)	(a)	(a)	(h)
		Chlorite	14998-27-7	(a)	(a)	(a)	(h)
		Fluoride	16984-48-8	✓	✓	(g)	(h)
		Nitrate (as N)	14797-55-8	✓	✓	(g)	(h)
		Nitrite (as N)	14797-65-0	✓	✓	(g)	(h)
		Orthophosphate	14265-44-2	✓	✓	(g)	(h)
		Sulfate	14808-79-8	✓	✓	(g)	(h)
	EPA 377.1	Sulfite	14265-45-3	(a)	(a)	(a)	(h)
	EPA 314.0	Perchlorate	14797-73-0	✓	✓	(g)	✓
Dissolved Gases	**RSK 175**	Ethane	74-84-0	(a)	(a)	(a)	(h)
		Ethylene	74-85-1	(a)	(a)	(a)	(h)
		Methane	74-82-8	(a)	(a)	(a)	(h)
Chlorinated Compounds	**EPA 551.1**	Chloral	75-87-6	(i)	(i)	(g)	(h)
		Dichloroacetaldehyde	79-02-7	(i)	(i)	(g)	(h)
Polychlorinated Dibenzodioxins/ Dibenzofurans	**EPA 8290**	1,2,3,4,6,7,8,9-Octachlorodibenzofuran	39001-02-0	✓	(e)	(e)	(h)
		1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	3268-87-9	✓	(e)	(e)	(h)
		1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	✓	(e)	(e)	(h)
		1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	35822-46-9	✓	(e)	(e)	(h)
		1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	✓	(e)	(e)	(h)
		1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	✓	(e)	(e)	(h)
		1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	39227-28-6	✓	(e)	(e)	(h)
		1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	✓	(e)	(e)	(h)
		1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	✓	(e)	(e)	(h)
		1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	✓	(e)	(e)	(h)
		1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	19408-74-3	✓	(e)	(e)	(h)
		1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	✓	(e)	(e)	(h)
		1,2,3,7,8-Pentachlorodibenzo-p-dioxin	40321-76-4	✓	(e)	(e)	(h)
		2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	✓	(e)	(e)	(h)
		2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	✓	(e)	(e)	(h)
		2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	✓	(e)	(e)	(h)
		2,3,7,8-Tetrachlororodibenzo-p-dioxin	1746-01-6	✓	(e)	(e)	(h)
Asbestos	**Elutriator/TEM**	Asbestos	1332-21-4	✓	(f)	(f)	(h)

TABLE 5
SITE-RELATED CHEMICALS LIST AND PROPOSED SAMPLE ANALYSES AND DEPTHS
UPPER PONDS SUB-AREA

Parameter of Interest	Analytical Method	Compound List	CAS Number	Sample Depth (from Table 4)			SPLP
				Depth 1	Depth 2/3	Deep	
General Chemistry Parameters	EPA 350.2	Ammonia (as N)	7664-41-7	✓	✓	(g)	(h)
	EPA 9010/9014	Cyanide (Total)	57-12-5	✓	✓	(g)	(h)
	EPA 345.1	Iodine	7553-56-2	(a)	(a)	(a)	(h)
	EPA 9045C	pH in soil	pH	✓	✓	✓	(h)
	EPA 9040B	pH in water	pH	(a)	(a)	(a)	(h)
	EPA 376.1/376.2	Sulfide	18496-25-8	✓	✓	(g)	(h)
	Mod. EPA 415.1	Total inorganic carbon	7440-44-0	✓	✓	(g)	(h)
	EPA 351.2	Total Kjeldahl nitrogen (TKN)	TKN	✓	✓	(g)	(h)
	EPA 415.1	Total organic carbon (TOC)	7440-44-0	✓	✓	✓	(h)
Metals	EPA 6020/6010B	Aluminum	7429-90-5	✓	✓	(g)	✓
		Antimony	7440-36-0	✓	✓	(g)	✓
		Arsenic	7440-38-2	✓	✓	(g)	✓
		Barium	7440-39-3	✓	✓	(g)	✓
		Beryllium	7440-41-7	✓	✓	(g)	✓
		Boron	7440-42-8	✓	✓	(g)	✓
		Cadmium	7440-43-9	✓	✓	(g)	✓
		Calcium	7440-70-2	✓	✓	(g)	✓
		Chromium	7440-47-3	✓	✓	(g)	✓
		Cobalt	7440-48-4	✓	✓	(g)	✓
		Copper	7440-50-8	✓	✓	(g)	✓
		Iron	7439-89-6	✓	✓	(g)	✓
		Lead	7439-92-1	✓	✓	(g)	✓
		Lithium	1313-13-9	✓	✓	(g)	✓
		Magnesium	7439-95-4	✓	✓	(g)	✓
		Manganese	7439-96-5	✓	✓	(g)	✓
		Molybdenum	7439-98-7	✓	✓	(g)	✓
		Nickel	7440-02-0	✓	✓	(g)	✓
		Niobium	7440-03-1	(i)	(i)	(g)	✓
		Palladium	7440-05-3	(i)	(i)	(g)	✓
		Phosphorus	7723-14-0	(i)	(i)	(g)	✓
		Platinum	7440-06-4	(i)	(i)	(g)	✓
		Potassium	7440-09-7	✓	✓	(g)	✓
		Selenium	7782-49-2	✓	✓	(g)	✓
		Silicon	7440-21-3	(i)	(i)	(g)	✓
		Silver	7440-22-4	✓	✓	(g)	✓
		Sodium	7440-23-5	✓	✓	(g)	✓
		Strontium	7440-24-6	✓	✓	(g)	✓

TABLE 5
SITE-RELATED CHEMICALS LIST AND PROPOSED SAMPLE ANALYSES AND DEPTHS
UPPER PONDS SUB-AREA

Parameter of Interest	Analytical Method	Compound List	CAS Number	Sample Depth (from Table 4)			SPLP
				Depth 1	Depth 2/3	Deep	
Metals (continued)	EPA 6020/6010B	Sulfur	7704-34-9	(i)	(i)	(g)	✓
		Thallium	7440-28-0	✓	✓	(g)	✓
		Tin	7440-31-5	✓	✓	(g)	✓
		Titanium	7440-32-6	✓	✓	(g)	✓
		Tungsten	7440-33-7	✓	✓	(g)	✓
		Uranium	7440-61-1	✓	✓	(g)	✓
		Vanadium	7440-62-2	✓	✓	(g)	✓
		Zinc	7440-66-6	✓	✓	(g)	✓
		Zirconium	7440-67-7	(i)	(i)	(g)	✓
	EPA 7196A	Chromium (VI)	18540-29-9	✓	✓	(g)	✓
	EPA 7470/7471A	Mercury	7439-97-6	✓	✓	(g)	✓
Organophosphorous Pesticides	EPA 8141A	Azinphos-ethyl	264-27-19	(b)	(b)	(b)	(h)
		Azinphos-methyl	86-50-0	(b)	(b)	(b)	(h)
		Carbophenothion	786-19-6	(b)	(b)	(b)	(h)
		Chlorpyrifos	2921-88-2	(b)	(b)	(b)	(h)
		Coumaphos	56-72-4	(b)	(b)	(b)	(h)
		Demeton-O	298-03-3	(b)	(b)	(b)	(h)
		Demeton-S	126-75-0	(b)	(b)	(b)	(h)
		Diazinon	333-41-5	(b)	(b)	(b)	(h)
		Dichlorvos	62-73-7	(b)	(b)	(b)	(h)
		Dimethoate	60-51-5	(b)	(b)	(b)	(h)
		Disulfoton	298-04-4	(b)	(b)	(b)	(h)
		EPN	2104-64-5	(b)	(b)	(b)	(h)
		Ethoprop	13194-48-4	(b)	(b)	(b)	(h)
		Ethyl parathion	56-38-2	(b)	(b)	(b)	(h)
		Fampphur	52-85-7	(b)	(b)	(b)	(h)
		Fenthion	55-38-9	(b)	(b)	(b)	(h)
		Malathion	121-75-5	(b)	(b)	(b)	(h)
		Methyl carbophenothion	953-17-3	(b)	(b)	(b)	(h)
		Methyl parathion	298-00-0	(b)	(b)	(b)	(h)
		Mevinphos	7786-34-7	(b)	(b)	(b)	(h)
		Naled	300-76-5	(b)	(b)	(b)	(h)
		O,O,O-Triethyl phosphorothioate (TEPP)	297-97-2	(b)	(b)	(b)	(h)
		Phorate	298-02-2	(b)	(b)	(b)	(h)

TABLE 5
SITE-RELATED CHEMICALS LIST AND PROPOSED SAMPLE ANALYSES AND DEPTHS
UPPER PONDS SUB-AREA

Parameter of Interest	Analytical Method	Compound List	CAS Number	Sample Depth (from Table 4)			SPLP
				Depth 1	Depth 2/3	Deep	
Organophosphorous Pesticides (continued)	EPA 8141A	Phosmet	732-11-6	(b)	(b)	(b)	(h)
		Ronnel	299-84-3	(b)	(b)	(b)	(h)
		Stirophos (Tetrachlorovinphos)	22248-79-9	(b)	(b)	(b)	(h)
		Sulfotep	3689-24-5	(b)	(b)	(b)	(h)
Chlorinated Herbicides	EPA 8151A	2,4,5-T	93-76-5	(b)	(b)	(b)	(h)
		2,4,5-TP (Silvex)	93-72-1	(b)	(b)	(b)	(h)
		2,4-D	94-75-7	(b)	(b)	(b)	(h)
		2,4-DB	94-82-6	(b)	(b)	(b)	(h)
		Dalapon	75-99-0	(b)	(b)	(b)	(h)
		Dicamba	1918-00-9	(b)	(b)	(b)	(h)
		Dichloroprop	120-36-5	(b)	(b)	(b)	(h)
		Dinoseb	88-85-7	(b)	(b)	(b)	(h)
		MCPA	94-74-6	(b)	(b)	(b)	(h)
		MCPP	93-65-2	(b)	(b)	(b)	(h)
Organic Acids	HPLC	4-Chlorobenzene sulfonic acid	98-66-8	(b)	(b)	(b)	(h)
		Benzenesulfonic acid	98-11-3	(b)	(b)	(b)	(h)
		O,O-Diethylphosphorodithioic acid	298-06-6	(b)	(b)	(b)	(h)
		O,O-Dimethylphosphorodithioic acid	756-80-9	(b)	(b)	(b)	(h)
Nonhalogenated Organics	EPA 8015B	Ethylene glycol	107-21-1	(b)	(b)	(b)	(h)
		Ethylene glycol monobutyl ether	111-76-2	(b)	(b)	(b)	(h)
		Methanol	67-56-1	(b)	(b)	(b)	(h)
		Propylene glycol	57-55-6	(b)	(b)	(b)	(h)
Organochlorine Pesticides	EPA 8081A	2,4-DDD	53-19-0	✓	✓	(g)	✓
		2,4-DDE	3424-82-6	✓	✓	(g)	✓
		4,4-DDD	72-54-8	✓	✓	(g)	✓
		4,4-DDE	72-55-9	✓	✓	(g)	✓
		4,4-DDT	50-29-3	✓	✓	(g)	✓
		Aldrin	309-00-2	✓	✓	(g)	✓
		alpha-BHC	319-84-6	✓	✓	(g)	✓
		alpha-Chlordane	5103-71-9	✓	✓	(g)	✓
		beta-BHC	319-85-7	✓	✓	(g)	✓
		Chlordane	57-74-9	✓	✓	(g)	✓
		delta-BHC	319-86-8	✓	✓	(g)	✓
		Dieldrin	60-57-1	✓	✓	(g)	✓
		Endosulfan I	959-98-8	✓	✓	(g)	✓
		Endosulfan II	33213-65-9	✓	✓	(g)	✓
		Endosulfan sulfate	1031-07-8	✓	✓	(g)	✓

TABLE 5
SITE-RELATED CHEMICALS LIST AND PROPOSED SAMPLE ANALYSES AND DEPTHS
UPPER PONDS SUB-AREA

Parameter of Interest	Analytical Method	Compound List	CAS Number	Sample Depth (from Table 4)			SPLP
				Depth 1	Depth 2/3	Deep	
Organochlorine Pesticides (continued)	**EPA 8081A**	Endrin	72-20-8	✓	✓	(g)	✓
		Endrin aldehyde	7421-93-4	✓	✓	(g)	✓
		Endrin ketone	53494-70-5	✓	✓	(g)	✓
		gamma-BHC (Lindane)	58-89-9	✓	✓	(g)	✓
		gamma-Chlordane	5103-74-2	✓	✓	(g)	✓
		Heptachlor	76-44-8	✓	✓	(g)	✓
		Heptachlor epoxide	1024-57-3	✓	✓	(g)	✓
		Methoxychlor	72-43-5	✓	✓	(g)	✓
		Toxaphene	8001-35-2	✓	✓	(g)	✓
Polychlorinated Biphenyls	**EPA 8082**	Aroclor 1016 (j)	12674-11-2	✓	(e)	(e)	(h)
		Aroclor 1221 (j)	11104-28-2	✓	(e)	(e)	(h)
		Aroclor 1232 (j)	11141-16-5	✓	(e)	(e)	(h)
		Aroclor 1242 (j)	53469-21-9	✓	(e)	(e)	(h)
		Aroclor 1248 (j)	12672-29-6	✓	(e)	(e)	(h)
		Aroclor 1254 (j)	11097-69-1	✓	(e)	(e)	(h)
		Aroclor 1260 (j)	11096-82-5	✓	(e)	(e)	(h)
	EPA 1668	PCB-77	32598-13-3	✓	(e)	(e)	(h)
		PCB-81	70362-50-4	✓	(e)	(e)	(h)
		PCB-105	32598-14-4	✓	(e)	(e)	(h)
		PCB-114	74472-37-0	✓	(e)	(e)	(h)
		PCB-118	31508-00-6	✓	(e)	(e)	(h)
		PCB-123	65510-44-3	✓	(e)	(e)	(h)
		PCB-126	57465-28-8	✓	(e)	(e)	(h)
		PCB-156	38380-08-4	✓	(e)	(e)	(h)
		PCB-157	69782-90-7	✓	(e)	(e)	(h)
		PCB-167	52663-72-6	✓	(e)	(e)	(h)
		PCB-169	32774-16-6	✓	(e)	(e)	(h)
		PCB-189	39635-31-9	✓	(e)	(e)	(h)
		PCB-209	2051-24-3	✓	(e)	(e)	(h)
Polynuclear Aromatic Hydrocarbons	**EPA 8310 [1] or EPA 8270SIM**	Acenaphthene	83-32-9	✓	✓	(g)	(h)
		Acenaphthylene	208-96-8	✓	✓	(g)	(h)
		Anthracene	120-12-7	✓	✓	(g)	(h)
		Benzo(a)anthracene	56-55-3	✓	✓	(g)	(h)
		Benzo(a)pyrene	50-32-8	✓	✓	(g)	(h)
		Benzo(b)fluoranthene	205-99-2	✓	✓	(g)	(h)
		Benzo(g,h,i)perylene	191-24-2	✓	✓	(g)	(h)
		Benzo(k)fluoranthene	207-08-9	✓	✓	(g)	(h)

TABLE 5
SITE-RELATED CHEMICALS LIST AND PROPOSED SAMPLE ANALYSES AND DEPTHS
UPPER PONDS SUB-AREA

Parameter of Interest	Analytical Method	Compound List	CAS Number	Sample Depth (from Table 4)			SPLP
				Depth 1	Depth 2/3	Deep	
Polynuclear Aromatic Hydrocarbons (continued)	EPA 8310 [1] or EPA 8270SIM	Chrysene	218-01-9	✓	✓	(g)	(h)
		Dibenzo(a,h)anthracene	53-70-3	✓	✓	(g)	(h)
		Indeno(1,2,3-cd)pyrene	193-39-5	✓	✓	(g)	(h)
		Phenanthrene	85-01-8	✓	✓	(g)	(h)
		Pyrene	129-00-0	✓	✓	(g)	(h)
Radionuclides	EPA 900.0 or EPA 9310	Gross alpha	G_Alpha	(c)	(c)	(c)	(h)
		Gross beta	G_Beta	(c)	(c)	(c)	(h)
	EPA 901.1/ HASL GA-01-R	Actinium-228	14331-83-0	(c)	(c)	(c)	(h)
		Bismuth-212	14913-49-6	(c)	(c)	(c)	(h)
		Bismuth-214	14733-03-0	(c)	(c)	(c)	(h)
		Cobalt-57	13981-50-5	(c)	(c)	(c)	(h)
		Cobalt-60	10198-40-0	(c)	(c)	(c)	(h)
		Lead-210	14255-04-0	(c)	(c)	(c)	(h)
		Lead-211	015816-77-0	(c)	(c)	(c)	(h)
		Lead-212	15092-94-1	(c)	(c)	(c)	(h)
		Lead-214	15067-28-4	(c)	(c)	(c)	(h)
		Potassium-40	13966-00-2	(c)	(c)	(c)	(h)
		Thallium-208	14913-50-9	(c)	(c)	(c)	(h)
		Thorium-227	15623-47-9	(c)	(c)	(c)	(h)
		Thorium-234	15065-10-8	(c)	(c)	(c)	(h)
	HASL A-01-R	Thorium-232	7440-29-1	✓	✓	(g)	(h)
		Thorium-228	14274-82-9	✓	✓	(g)	(h)
		Thorium-230	14269-63-7	✓	✓	(g)	(h)
		Uranium-233/234	13966-29-5	✓	✓	(g)	(h)
		Uranium 235/236	15117-96-1	✓	✓	(g)	(h)
		Uranium-238	7440-61-1	✓	✓	(g)	(h)
	EPA 903.0 / 903.1	Radium-226	13982-63-3	✓	✓	(g)	✓
	EPA 904.0	Radium-228	15262-20-1	✓	✓	(g)	✓
	Quantitate from Parent or Daughter Radionuclide	Actinium-227 (from Th-227)	14952-40-0	(c)	(c)	(c)	(h)
		Bismuth-210 (from Pb-210)	14331-79-4	(c)	(c)	(c)	(h)
		Bismuth-211 (from Pb-211)	15229-37-5	(c)	(c)	(c)	(h)
		Polonium-210 (from Pb-210)	13981-52-7	(c)	(c)	(c)	(h)
		Polonium-212 (from Bi-212)	13981-52-7	(c)	(c)	(c)	(h)
		Polonium-214 (from Bi-214)	15735-67-8	(c)	(c)	(c)	(h)
		Polonium-216 (from Pb-212)	15756-58-8	(c)	(c)	(c)	(h)
		Polonium-218 (from Pb-214)	15422-74-9	(c)	(c)	(c)	(h)
		Protactinium-231 (from U-235)	14331-85-2	(c)	(c)	(c)	(h)

TABLE 5
SITE-RELATED CHEMICALS LIST AND PROPOSED SAMPLE ANALYSES AND DEPTHS
UPPER PONDS SUB-AREA

Parameter of Interest	Analytical Method	Compound List	CAS Number	Sample Depth (from Table 4)			SPLP
				Depth 1	Depth 2/3	Deep	
Radionuclides (continued)	Quantitate from Parent or Daughter Radionuclide	Protactinium-234 (from Th-234)	15100-28-4	(c)	(c)	(c)	(h)
		Radium-223 (from Th-227)	15623-45-7	(c)	(c)	(c)	(h)
		Radium-224 (from Pb-212)	13233-32-4	(c)	(c)	(c)	(h)
		Thallium-207 (from Pb-211)	14133-67-6	(c)	(c)	(c)	(h)
		Thorium-231 (from U-235)	14932-40-2	(c)	(c)	(c)	(h)
Radon	FLUX	Radon-220	22481-48-7	(d)	(d)	(d)	(h)
		Radon-222	14859-67-7	(d)	(d)	(d)	(h)
Aldehydes	EPA 8315A	Acetaldehyde	75-07-0	✓	✓	(g)	(h)
		Chloroacetaldehyde	107-20-0	(i)	(i)	(g)	(h)
		Dichloroacetaldehyde	79-02-7	(i)	(i)	(g)	(h)
		Formaldehyde	50-00-0	✓	✓	(g)	(h)
		Trichloroacetaldehyde	75-87-6	(i)	(i)	(g)	(h)
Semivolatile Organic Compounds	EPA 8270C [2]	1,2,4,5-Tetrachlorobenzene	95-94-3	✓	✓	(g)	✓
		1,2-Diphenylhydrazine	122-66-7	✓	✓	(g)	✓
		1,4-Dioxane	123-91-1	✓	✓	(g)	✓
		2,2'/4,4'-Dichlorobenzil	3457-46-3	✓	✓	(g)	✓
		2,4,5-Trichlorophenol	95-95-4	✓	✓	(g)	✓
		2,4,6-Trichlorophenol	88-06-2	✓	✓	(g)	✓
		2,4-Dichlorophenol	120-83-2	✓	✓	(g)	✓
		2,4-Dimethylphenol	105-67-9	✓	✓	(g)	✓
		2,4-Dinitrophenol	51-28-5	✓	✓	(g)	✓
		2,4-Dinitrotoluene	121-14-2	✓	✓	(g)	✓
		2,6-Dinitrotoluene	606-20-2	✓	✓	(g)	✓
		2-Chloronaphthalene	91-58-7	✓	✓	(g)	✓
		2-Chlorophenol	95-57-8	✓	✓	(g)	✓
		2-Methylnaphthalene	91-57-6	✓	✓	(g)	✓
		2-Nitroaniline	88-74-4	✓	✓	(g)	✓
		2-Nitrophenol	88-75-5	✓	✓	(g)	✓
		3,3-Dichlorobenzidine	91-94-1	✓	✓	(g)	✓
		3-Nitroaniline	99-09-2	✓	✓	(g)	✓
		4,4'-Dichlorobenzil	3457-46-3	✓	✓	(g)	✓
		4-Bromophenyl phenyl ether	101-55-3	✓	✓	(g)	✓
		4-Chloro-3-methylphenol	59-50-7	✓	✓	(g)	✓
		4-Chlorophenyl phenyl ether	7005-72-3	✓	✓	(g)	✓
		4-Chlorothioanisole	123-09-1	✓	✓	(g)	✓
		4-Chlorothiophenol	106-54-7	✓	✓	(g)	✓
		4-Nitroaniline	100-01-6	✓	✓	(g)	✓

TABLE 5
SITE-RELATED CHEMICALS LIST AND PROPOSED SAMPLE ANALYSES AND DEPTHS
UPPER PONDS SUB-AREA

Parameter of Interest	Analytical Method	Compound List	CAS Number	Sample Depth (from Table 4)			SPLP
				Depth 1	Depth 2/3	Deep	
Semivolatile Organic Compounds (continued)	**EPA 8270C [2]**	4-Nitrophenol	100-02-7	✓	✓	(g)	✓
		Acenaphthene	83-32-9	✓	✓	(g)	✓
		Acenaphthylene	208-96-8	✓	✓	(g)	✓
		Acetophenone	98-86-2	✓	✓	(g)	✓
		Aniline	62-53-3	✓	✓	(g)	✓
		Anthracene	120-12-7	✓	✓	(g)	✓
		Azobenzene	103-33-3	✓	✓	(g)	✓
		Benzo(a)anthracene	56-55-3	✓	✓	(g)	✓
		Benzo(a)pyrene	50-32-8	✓	✓	(g)	✓
		Benzo(b)fluoranthene	205-99-2	✓	✓	(g)	✓
		Benzo(g,h,i)perylene	191-24-2	✓	✓	(g)	✓
		Benzo(k)fluoranthene	207-08-9	✓	✓	(g)	✓
		Benzoic acid	65-85-0	✓	✓	(g)	✓
		Benzyl alcohol	100-51-6	✓	✓	(g)	✓
		bis(2-Chloroethoxy)methane	111-91-1	✓	✓	(g)	✓
		bis(2-Chloroethyl) ether	111-44-4	✓	✓	(g)	✓
		bis(2-Chloroisopropyl) ether	108-60-1	✓	✓	(g)	✓
		bis(2-Ethylhexyl) phthalate	117-81-7	✓	✓	(g)	✓
		bis(Chloromethyl) ether	542-88-1	✓	✓	(g)	✓
		bis(p-Chlorophenyl) sulfone	80-07-9	✓	✓	(g)	✓
		bis(p-Chlorophenyl)disulfide	1142-19-4	✓	✓	(g)	✓
		Butylbenzyl phthalate	85-68-7	✓	✓	(g)	✓
		Carbazole	86-74-8	✓	✓	(g)	✓
		Chrysene	218-01-9	✓	✓	(g)	✓
		Dibenzo(a,h)anthracene	53-70-3	✓	✓	(g)	✓
		Dibenzofuran	132-64-9	✓	✓	(g)	✓
		Dichloromethyl ether	542-88-1	✓	✓	(g)	✓
		Diethyl phthalate	84-66-2	✓	✓	(g)	✓
		Dimethyl phthalate	131-11-3	✓	✓	(g)	✓
		Di-n-butyl phthalate	84-74-2	✓	✓	(g)	✓
		Di-n-octyl phthalate	117-84-0	✓	✓	(g)	✓
		Diphenyl disulfide	882-33-7	✓	✓	(g)	✓
		Diphenyl sulfide	139-66-2	✓	✓	(g)	✓
		Diphenyl sulfone	127-63-9	✓	✓	(g)	✓
		Fluoranthene	206-44-0	✓	✓	(g)	✓
		Fluorene	86-73-7	✓	✓	(g)	✓
		Hexachlorobenzene	118-74-1	✓	✓	(g)	✓

TABLE 5
SITE-RELATED CHEMICALS LIST AND PROPOSED SAMPLE ANALYSES AND DEPTHS
UPPER PONDS SUB-AREA

Parameter of Interest	Analytical Method	Compound List	CAS Number	Sample Depth (from Table 4)			SPLP
				Depth 1	Depth 2/3	Deep	
Semivolatile Organic Compounds (continued)	**EPA 8270C [2]**	Hexachlorobutadiene	87-68-3	✓	✓	(g)	✓
		Hexachlorocyclopentadiene	77-47-4	✓	✓	(g)	✓
		Hexachloroethane	67-72-1	✓	✓	(g)	✓
		Hydroxymethyl phthalimide	118-29-6	✓	✓	(g)	✓
		Indeno(1,2,3-cd)pyrene	193-39-5	✓	✓	(g)	✓
		Isophorone	78-59-1	✓	✓	(g)	✓
		m,p-Cresol	106-44-5	✓	✓	(g)	✓
		Naphthalene	91-20-3	✓	✓	(g)	✓
		Nitrobenzene	98-95-3	✓	✓	(g)	✓
		N-nitrosodi-n-propylamine	621-64-7	✓	✓	(g)	✓
		N-nitrosodiphenylamine	86-30-6	✓	✓	(g)	✓
		o-Cresol	95-48-7	✓	✓	(g)	✓
		Octachlorostyrene	29082-74-4	✓	✓	(g)	✓
		p-Chloroaniline (4-Chloroaniline)	106-47-8	✓	✓	(g)	✓
		p-Chlorobenzenethiol	106-54-7	✓	✓	(g)	✓
		Pentachlorobenzene	608-93-5	✓	✓	(g)	✓
		Pentachlorophenol	87-86-5	✓	✓	(g)	✓
		Phenanthrene	85-01-8	✓	✓	(g)	✓
		Phenol	108-95-2	✓	✓	(g)	✓
		Phthalic acid	88-99-3	✓	✓	(g)	✓
		Pyrene	129-00-0	✓	✓	(g)	✓
		Pyridine	110-86-1	✓	✓	(g)	✓
		Thiophenol	108-98-5	✓	✓	(g)	✓
		Tentatively Identified Compounds (TICs)		✓	✓	(g)	✓
Volatile Organic Compounds	**EPA 8260B**	1,1,1,2-Tetrachloroethane	630-20-6	✓	✓	(g)	(h)
		1,1,1-Trichloroethane	71-55-6	✓	✓	(g)	(h)
		1,1,2,2-Tetrachloroethane	79-34-5	✓	✓	(g)	(h)
		1,1,2-Trichloroethane	79-00-5	✓	✓	(g)	(h)
		1,1-Dichloroethane	75-34-3	✓	✓	(g)	(h)
		1,1-Dichloroethene	75-35-4	✓	✓	(g)	(h)
		1,1-Dichloropropene	563-58-6	✓	✓	(g)	(h)
		1,2,3-Trichlorobenzene	87-61-6	✓	✓	(g)	(h)
		1,2,3-Trichloropropane	96-18-4	✓	✓	(g)	(h)
		1,2,4-Trichlorobenzene	120-82-1	✓	✓	(g)	(h)
		1,2,4-Trimethylbenzene	95-63-6	✓	✓	(g)	(h)
		1,2-Dichlorobenzene	95-50-1	✓	✓	(g)	(h)
		1,2-Dichloroethane	107-06-2	✓	✓	(g)	(h)

TABLE 5
SITE-RELATED CHEMICALS LIST AND PROPOSED SAMPLE ANALYSES AND DEPTHS
UPPER PONDS SUB-AREA

Parameter of Interest	Analytical Method	Compound List	CAS Number	Sample Depth (from Table 4)			SPLP
				Depth 1	Depth 2/3	Deep	
Volatile Organic Compounds (continued)	EPA 8260B	1,2-Dichloroethene	540-59-0	✓	✓	(g)	(h)
		1,2-Dichloropropane	78-87-5	✓	✓	(g)	(h)
		1,3,5-Trichlorobenzene	108-70-3	✓	✓	(g)	(h)
		1,3,5-Trimethylbenzene	108-67-8	✓	✓	(g)	(h)
		1,3-Dichlorobenzene	541-73-1	✓	✓	(g)	(h)
		1,3-Dichloropropene	542-75-6	✓	✓	(g)	(h)
		1,3-Dichloropropane	142-28-9	✓	✓	(g)	(h)
		1,4-Dichlorobenzene	106-46-7	✓	✓	(g)	(h)
		2,2-Dichloropropane	594-20-7	✓	✓	(g)	(h)
		2,2-Dimethylpentane	590-35-2	✓	✓	(g)	(h)
		2,2,3-Trimethylbutane	464-06-2	✓	✓	(g)	(h)
		2,3-Dimethylpentane	565-59-3	✓	✓	(g)	(h)
		2,4-Dimethylpentane	108-08-7	✓	✓	(g)	(h)
		2-Chlorotoluene	95-49-8	✓	✓	(g)	(h)
		2-Hexanone	591-78-6	✓	✓	(g)	(h)
		2-Methylhexane	591-76-4	✓	✓	(g)	(h)
		2-Nitropropane	79-46-9	✓	✓	(g)	(h)
		3,3-Dimethylpentane	562-49-2	✓	✓	(g)	(h)
		3-Ethylpentane	617-78-7	✓	✓	(g)	(h)
		3-Methylhexane	589-34-4	✓	✓	(g)	(h)
		4-Chlorobenzene	108-90-7	✓	✓	(g)	(h)
		4-Chlorotoluene	106-43-4	✓	✓	(g)	(h)
		4-Methyl-2-pentanone (MIBK)	108-10-1	✓	✓	(g)	(h)
		Acetone	67-64-1	✓	✓	(g)	(h)
		Acetonitrile	75-05-8	✓	✓	(g)	(h)
		Benzene	71-43-2	✓	✓	(g)	(h)
		Bromobenzene	108-86-1	✓	✓	(g)	(h)
		Bromodichloromethane	75-27-4	✓	✓	(g)	(h)
		Bromoform	75-25-2	✓	✓	(g)	(h)
		Bromomethane	74-83-9	✓	✓	(g)	(h)
		Carbon disulfide	75-15-0	✓	✓	(g)	(h)
		Carbon tetrachloride	56-23-5	✓	✓	(g)	(h)
		Chlorobenzene	108-90-7	✓	✓	(g)	(h)
		Chlorobromomethane	74-97-5	✓	✓	(g)	(h)
		Chlorodibromomethane	124-48-1	✓	✓	(g)	(h)
		Chloroethane	75-00-3	✓	✓	(g)	(h)
		Chloroform	67-66-3	✓	✓	(g)	(h)

TABLE 5
SITE-RELATED CHEMICALS LIST AND PROPOSED SAMPLE ANALYSES AND DEPTHS
UPPER PONDS SUB-AREA

Parameter of Interest	Analytical Method	Compound List	CAS Number	Sample Depth (from Table 4)			SPLP
				Depth 1	Depth 2/3	Deep	
Volatile Organic Compounds (continued)	**EPA 8260B**	Chloromethane	74-87-3	✓	✓	(g)	(h)
		cis-1,2-Dichloroethene	156-59-2	✓	✓	(g)	(h)
		cis-1,3-Dichloropropene	10061-01-5	✓	✓	(g)	(h)
		Cymene (Isopropyltoluene)	99-87-6	✓	✓	(g)	(h)
		Dibromochloroethane	73506-94-2	✓	✓	(g)	(h)
		Dibromochloromethane	124-48-1	✓	✓	(g)	(h)
		Dibromochloropropane	96-12-8	✓	✓	(g)	(h)
		Dibromomethane	74-95-3	✓	✓	(g)	(h)
		Dichloromethane (Methylene chloride)	75-09-2	✓	✓	(g)	(h)
		Dimethyldisulfide	624-92-0	✓	✓	(g)	(h)
		Ethanol	64-17-5	✓	✓	(g)	(h)
		Ethylbenzene	100-41-4	✓	✓	(g)	(h)
		Freon-11	75-69-4	✓	✓	(g)	(h)
		Freon-113	76-13-1	✓	✓	(g)	(h)
		Freon-12	75-71-8	✓	✓	(g)	(h)
		Heptane	142-82-5	✓	✓	(g)	(h)
		Isoheptane	31394-54-4	✓	✓	(g)	(h)
		Isopropylbenzene	98-82-8	✓	✓	(g)	(h)
		m,p-Xylene	mp-XYL	✓	✓	(g)	(h)
		Methyl ethyl ketone (2-Butanone)	78-93-3	✓	✓	(g)	(h)
		Methyl iodide	74-88-4	✓	✓	(g)	(h)
		MTBE (Methyl tert-butyl ether)	1634-04-4	✓	✓	(g)	(h)
		n-Butyl benzene	104-51-8	✓	✓	(g)	(h)
		n-Propylbenzene	103-65-1	✓	✓	(g)	(h)
		Nonanal	124-19-6	✓	✓	(g)	(h)
		o-Xylene	95-47-6	✓	✓	(g)	(h)
		sec-Butylbenzene	135-98-8	✓	✓	(g)	(h)
		Styrene	100-42-5	✓	✓	(g)	(h)
		tert-Butyl benzene	98-06-6	✓	✓	(g)	(h)
		Tetrachloroethene	127-18-4	✓	✓	(g)	(h)
		Toluene	108-88-3	✓	✓	(g)	(h)
		trans-1,2-Dichloroethene	156-60-5	✓	✓	(g)	(h)
		trans-1,3-Dichloropropene	10061-02-6	✓	✓	(g)	(h)
		Trichloroethene	79-01-6	✓	✓	(g)	(h)
		Vinyl acetate	108-05-4	✓	✓	(g)	(h)
		Vinyl chloride	75-01-4	✓	✓	(g)	(h)
		Xylenes (total)	1330-20-7	✓	✓	(g)	(h)
		Tentatively Identified Compounds (TICs)		✓	✓	(g)	(h)

TABLE 5
SITE-RELATED CHEMICALS LIST AND PROPOSED SAMPLE ANALYSES AND DEPTHS
UPPER PONDS SUB-AREA

Parameter of Interest	Analytical Method	Compound List	CAS Number	Sample Depth (from Table 4)			SPLP
				Depth 1	Depth 2/3	Deep	
Water Quality Parameters	EPA 120.1	Conductivity	COND	(a)	(a)	(a)	(h)
	EPA 130.2	Hardness, total	Hardness	(a)	(a)	(a)	(h)
	EPA 160.1	Total dissolved solids	TDS	(a)	(a)	(a)	(h)
	EPA 160.2	Total suspended solids	TSS	(a)	(a)	(a)	(h)
	EPA 310.1	Alkalinity, Total (as $CACO_3$)	ALK	(a)	(a)	(a)	(h)
		Bicarbonate alkalinity	71-52-3	(a)	(a)	(a)	(h)
		Carbonate alkalinity	3812-32-6	(a)	(a)	(a)	(h)
		Hydroxide alkalinity	OH-ALK	(a)	(a)	(a)	(h)
Flashpoint	EPA 1010	Flammables	NA	(b)	(b)	(b)	(h)
Total Petroleum Hydrocarbons	EPA 8015	Diesel	64742-46-7	(b)	(b)	(b)	(h)
		Gasoline	8006-61-9	(b)	(b)	(b)	(h)
		Grease	68153-81-1	(b)	(b)	(b)	(h)
		Mineral Spirits	NA	(b)	(b)	(b)	(h)
White Phosphorus	EPA 7580M	White phosphorus	12185-10-3	(b)	(b)	(b)	(h)
Methyl Mercury	EPA 1630	Methyl mercury	22967-92-6	(b)	(b)	(b)	(h)
Soil Physical Parameters	ASTM D2937/ MOSA1Ch .13	Dry bulk density	NA	(g)	✓	✓	(h)
	ASTM D2435/ MOSA1Ch .18	Total porosity	NA	(g)	✓	✓	(h)
	ASTM D5084	Soil permeability/saturated hydraulic cond.	NA	(g)	✓	✓	(h)
	ASTM D854	Specific gravity of soils	NA	(g)	✓	✓	(h)
	SW846 Method 9081	Cation exchange capacity	NA	(g)	✓	✓	(h)
	ASTM D2216/D4643/D2974	Volumetric water content	NA	(g)	✓	✓	(h)
	ASTM D422	Grain size analysis by sieve and hydrometer	NA	(g)	✓	✓	(h)
	EPA 415.1/ASTM 2947	Fractional organic carbon content	NA	(g)	✓	✓	(h)

Notes:
Laboratory limits are subject to matrix interferences and may not always be achieved in all samples.
The laboratory will be instructed to report the top 25 Tentatively Identified Compounds (TICs) under method 8260B and 8270C.
NA = Not applicable.
a - Groundwater only analyte.
b - Removed based on rationale provided in the text.
c - Removed consistent with approved list of radionuclides for project analysis.
d - Radon will be sampled and analyzed via surface flux sampling and analysis protocols.
e - Dioxins/furans and PCBs will only be analyzed for in fill and surface soil samples only.
f - Asbestos will only be analyzed for in current grade surface soil samples only.
g - Soil physical parameters will be collected from at-depth samples only; from three sample locations (see Table 4).
h - Rationale provided in text for analyte list for synthetic precipitation leaching procedure (SPLP); from three subsurface sample locations (see Table 4).
i - Removed based on Revisions to the Analyte List Technical Memorandum approved by NDEP on 10/16/2008.
j - Extraction only; analyze for Aroclors only if the sum of PCB congeners is greater than 33 ppb.
[1]For polynuclear aromatic hydrocarbons, either Method 8310 or Method 8270SIM is the primary analytical method.
[2]Method 3540 for extraction and Method 3640 for cleanup are to be used as appropriate.

TABLE 6
PROPOSED SOIL VAPOR FLUX SAMPLE ANALYSES
UPPER PONDS SUB-AREA
(Page 1 of 3)

Compound	CAS Number	MDL ppbv	RL ppbv	MDL µg/m^3	RL µg/m^3
List of Compounds for USEPA Method TO-15 Full Scan Mode Operation and MDLs					
1,1,1,2-Tetrachloroethane	630-20-6	0.1	0.51	0.72	3.62
1,1,1-Trichloroethane	71-55-6	0.1	0.52	0.58	2.89
1,1,2,2-Tetrachloroethane	79-34-5	0.1	0.52	0.73	3.65
1,1,2-Trichloroethane	79-00-5	0.1	0.51	0.57	2.86
1,1-Dichloroethane	75-34-3	0.1	0.52	0.43	2.15
1,1-Dichloroethene	75-35-4	0.1	0.52	0.42	2.13
1,1-Dichloropropene	563-58-6	0.1	0.49	0.46	2.3
1,2,3-Trichloropropane	96-18-4	0.11	0.55	0.68	3.39
1,2,4-Trichlorobenzene	120-82-1	0.1	0.52	0.79	3.94
1,2,4-Trimethylbenzene	95-63-6	0.1	0.52	0.52	2.61
1,2-Dibromo-3-chloropropane	96-12-8	0.22	1.1	2.2	10.98
1,2-Dibromoethane	106-93-4	0.1	0.52	0.82	4.09
1,2-Dichlorobenzene	95-50-1	0.1	0.52	0.64	3.2
1,2-Dichloroethane	107-06-2	0.1	0.52	0.43	2.15
1,2-Dichloropropane	78-87-5	0.1	0.52	0.49	2.46
1,3,5-Trimethylbenzene	108-67-8	0.1	0.52	0.53	2.64
1,3-Dichlorobenzene	541-73-1	0.1	0.52	0.64	3.2
1,3-Dichloropropane	142-28-9	0.11	0.54	0.52	2.58
1,4-Dichlorobenzene	106-46-7	0.1	0.52	0.64	3.2
1,4-Dioxane	123-91-1	0.09	0.44	0.33	1.64
2,2-Dichloropropane	594-20-7	0.11	0.53	0.5	2.53
2-Butanone	78-93-3	0.09	0.43	0.26	1.31
2-Hexanone	591-78-6	0.09	0.44	0.37	1.86
Acetone	67-64-1	0.09	0.45	0.22	1.1
Acetonitrile	75-05-8	0.22	1.12	0.48	2.39
Benzene	71-43-2	0.1	0.52	0.34	1.7
Benzyl chloride	100-44-7	0.09	0.45	0.48	2.41
Bromochloromethane	74-97-5	0.1	0.51	0.55	2.76
Bromodichloromethane	75-27-4	0.08	0.4	0.55	2.77
Bromoform	75-25-2	0.09	0.47	0.99	4.96
Bromomethane	74-83-9	0.1	0.51	0.41	2.04
Carbon disulfide	75-15-0	0.09	0.45	0.29	1.45
Carbon tetrachloride	56-23-5	0.1	0.52	0.67	3.38
Chlorobenzene	108-90-7	0.1	0.52	0.5	2.48
Chloroethane	75-00-3	0.1	0.51	0.28	1.39
Chloroform	67-66-3	0.1	0.52	0.52	2.59
Chloromethane	74-87-3	0.1	0.51	0.22	1.09
cis-1,2-Dichloroethene	156-59-2	0.1	0.52	0.42	2.11
cis-1,3-Dichloropropene	10061-01-5	0.1	0.52	0.48	2.41
Dibromochloromethane	124-48-1	0.09	0.44	0.77	3.87
Dibromomethane	74-95-3	0.11	0.55	0.97	4.84

TABLE 6
PROPOSED SOIL VAPOR FLUX SAMPLE ANALYSES
UPPER PONDS SUB-AREA
(Page 2 of 3)

Compound	CAS Number	MDL ppbv	RL ppbv	MDL µg/m^3	RL µg/m^3
Dichlorodifluoromethane	75-71-8	0.1	0.51	0.52	2.61
Dichloromethane	75-09-2	0.1	0.52	0.37	1.86
Ethanol	64-17-5	0.22	1.12	0.44	2.18
Ethylbenzene	100-41-4	0.1	0.52	0.46	2.33
Freon 113	76-13-1	0.1	0.52	0.81	4.07
Hexachlorobutadiene	87-68-3	0.1	0.52	1.14	5.68
Isobutyl alcohol	78-83-1	0.23	1.13	0.84	4.21
Isopropylbenzene	98-82-8	0.11	0.57	0.58	2.89
Isopropyltoluene	99-87-6	0.11	0.55	0.62	3.12
m & p-Xylene	108-38-3	0.21	1.03	0.92	4.61
Methyl iodide	4227-95-6	0.19	0.94	1.13	5.67
Methyl Isobutyl Ketone	108-10-1	0.09	0.46	0.38	1.95
Methyl tert butyl ether	1634-04-4	0.08	0.39	0.29	1.45
Naphthalene	91-20-3	0.22	1.09	1.19	5.9
n-Butylbenzene	104-51-8	0.1	0.52	0.59	2.95
n-Heptane	142-82-5	0.08	0.42	0.35	1.78
n-Propylbenzene	103-65-1	0.11	0.54	0.55	2.74
o-Xylene	95-47-6	0.1	0.52	0.46	2.31
sec-Butylbenzene	135-98-8	0.11	0.52	0.59	2.95
Styrene	100-42-5	0.1	0.52	0.45	2.26
tert-Butylbenzene	98-06-6	0.11	0.52	0.59	2.85
Tetrachloroethene	127-18-4	0.1	0.52	0.72	3.61
Toluene	108-88-3	0.1	0.52	0.4	2
trans-1,2-Dichloroethene	156-60-5	0.09	0.44	0.36	1.8
trans-1,3-Dichloropropene	10061-02-6	0.1	0.52	0.48	2.41
Trichloroethene	79-01-6	0.1	0.52	0.57	2.85
Trichlorofluoromethane	75-69-4	0.1	0.51	0.59	2.95
Vinyl acetate	108-05-4	0.09	0.43	0.31	1.56
Vinyl chloride	75-01-4	0.1	0.51	0.27	1.35

TABLE 6
PROPOSED SOIL VAPOR FLUX SAMPLE ANALYSES
UPPER PONDS SUB-AREA
(Page 3 of 3)

Compound	CAS Number	MDL ppbv	RL ppbv	MDL µg/m^3	RL µg/m^3
List of Compounds for USEPA Method TO-15 Selective Ion Mode (SIM) Operation and MDLs					
1,1,1,2-Tetrachloroethane	630-20-6	0.005	0.026	0.035	0.18
1,1,2,2-Tetrachloroethane	79-34-5	0.005	0.026	0.035	0.18
1,1,2-Trichloroethane	79-00-5	0.005	0.026	0.028	0.14
1,2,3-Trichloropropane	96-18-4	0.005	0.026	0.031	0.16
1,2-Dibromo-3-chloropropane	96-12-8	0.01	0.026	0.098	0.26
1,2-Dibromoethane	106-93-4	0.005	0.026	0.039	0.2
1,2-Dichlorobenzene	95-50-1	0.005	0.026	0.031	0.16
1,2-Dichloroethane	107-06-2	0.005	0.026	0.021	0.11
1,2-Dichloropropane	78-87-5	0.005	0.026	0.024	0.12
1,3-Dichlorobenzene	541-73-1	0.005	0.026	0.031	0.16
1,4-Dichlorobenzene	106-46-7	0.005	0.026	0.031	0.16
Benzene	71-43-2	0.005	0.026	0.016	0.085
Benzyl chloride	100-44-7	0.005	0.026	0.026	0.14
Bromodichloromethane	75-27-4	0.005	0.026	0.034	0.18
Carbon tetrachloride	56-23-5	0.005	0.026	0.032	0.17
Chloroform	67-66-3	0.005	0.026	0.025	0.13
Dibromochloromethane	124-48-1	0.005	0.026	0.043	0.23
Hexachlorobutadiene	87-68-3	0.01	0.026	0.108	0.28
Naphthalene	91-20-3	0.01	0.026	0.534	0.14
Tetrachloroethene	127-18-4	0.005	0.026	0.035	0.18
Trichloroethene	79-01-6	0.005	0.026	0.027	0.14
Vinyl chloride	75-01-4	0.005	0.026	0.013	0.068

Note:
The actual reported MDL may vary based on Canister dilution or matrix interferences.
CAS - Chemical abstract system
MDL - Method detection limit
RL - Reporting limit
ppbv - Parts per billion by volume
µg/m^3 - microgram per cubic meter

APPENDIX A

NDEP COMMENTS AND
BRC'S RESPONSE TO COMMENTS

Response to NDEP Comments Received March 23, 2009 on the Sampling and Analysis Plan for the Upper Ponds Sub-Area dated March 2009

1. Page 1-1; Section 1.0, 2nd paragraph, 3rd sentence. This sentence is awkward "The Site includes former ponds, ditches, and areas that were not used for any known waste disposal" can be interpreted as implying former ponds and ditches were also not used for any known waste disposal. Please reword as it is known that the ditches were used and at least portions of the Site received wastes (albeit perhaps from off-Site trespassers).

Response: *The subject sentence has been revised on page 1-1 for clarification.*

2. Page 1-3; Section 1.0, 2nd paragraph, 1st sentence. This sentence is ill-formed and needs to be reworded.

Response: *The subject sentence has been revised on page 1-3.*

3. Pages 2-1 through 2-31, Section 2.0. General comment, the Utility Corridor bisects the Site, however, there is insufficient discussion of the Utility Corridor data, contamination, and remediation. Some further explanation is needed considering the spatial relationship of the Upper Ponds and Utility Corridor sub-areas.

Response: *Additional discussion has been added describing the Utility Corridor sub-area. However, because the Utility Corridor is a separate sub-area, with different land use considerations, and a NFAD, and consistent with comment #25, data associated with the Utility Corridor sub-area are not included in the Upper Ponds sub-area SAP, except for the figures in Appendix C. In addition, reference to the Utility Corridor Data Review and Human Health Risk Assessment report is provided on page 2-2.*

4. Page 2-1; Section 2.1, 2nd sentence. A description is provided for 87% of the site. However, no description appears to be provided for the remaining 13% of the site. Please add some more explanation.

Response: *The text has been revised on pages 2-1 and 2-2 to include a description of the areas of the site not containing former effluent ponds.*

5. Page 2-1; Section 2.1, 2nd sentence. The first part of this sentence "This Site contains the northern portion of the Upper Ponds…" seems unclear/confusing, given that in this context the Site is called the Upper Ponds sub-area. A similar issue is found in the 2nd to last sentence on page 2-1.

Response: *The text has been revised in both cited locations for clarification.*

6. Page 2-1; Section 2.1, 2nd paragraph. BRC states that the Upper Ponds were used from 1942-1976, and since that time they have not been used. However the BRC *Closure Plan* states

that raw sewage was discharged from the Henderson Sewage Treatment Plant 2 (HSTP2) into the Upper Ponds until it was closed in 1985. Please explain.

Response: *The former effluent ponds used for discharge of effluent from the HSTP2 are located outside the boundaries of the Upper Ponds subarea, in the southernmost Ponds. The text has been expanded on page 2-1 to clarify that the boundaries of the former Upper Ponds do not coincide exactly with the Upper Ponds subarea, as labeled on Figure 1.*

7. Page 2-1; Section 2.1, last sentence. Similar to the previous comment, BRC states "The lack of this material *suggests* limited use of these former ponds for historical wastewater discharge..." does not match the BRC *Closure Plan*. The *Closure Plan* states that the ponds *were used* for raw sewage discharge from HSTP2, which was closed in 1985.

Response: *See response to comment #6 above.*

8. Page 2-2, Section 2.1, footnote 3. This is an issue of significance that should not be relegated to a footnote. Please expand the discussion in the text and include the aerial photograph in the Figures Section.

Response: *As indicated in the footnote, it was BRC's intent to include an expanded discussion of the seep areas in Section 2.3 (Geology/Hydrogeology). This discussion and the associated figure, which were inadvertently omitted from the prior version of the SAP, are included in the revised text on page 2-7.*

9. Page 2-3; Section 2.1, 3rd sentence. Please clarify the Radio Nevada Corporation parcel location on the figures.

Response: *The figures have been revised to identify the Radio Nevada Corporation property.*

10. Page 2-4; Section 2.1, 1st paragraph. This paragraph is confusing. The term "elevated chemicals" should be changed to provide the context of "elevated in what sense". For example, elevated versus background or elevated versus the NDEP Basic Comparison Levels (BCLs). On-going remediation at the TIMET Ponds, Spray Wheel and First Eight Rows should be described more or references to other documents should be provided. Also, BRC should discuss the on-going dust mitigation and air monitoring that is related to these activities.

Response: *The text has been revised to clarify that chemicals have been detected in soils in the TIMET Ponds, Spray Wheel and First Eight Rows sub-areas at concentrations higher than the BCLs. In addition, the dust suppression and air monitoring activities are discussed with references to the CAP and PAMP provided on pages 2-4 and 2-5.*

11. Page 2-4; Section 2.2, 2nd paragraph. NDEP suggests that BRC delete "as noted above" as it is not clear where this is noted above. Perhaps change to "there will continue to be a low likelihood …".

Response: *The text has been revised on page 2-5 as suggested, using instead wording that "there will continue to be a low likelihood …" to emphasize that the likelihood of overland surface water flow to the Wash will be reduced after the ponds and ditches have been removed.*

12. Page 2-4, Section 2.2. This would be an appropriate location to discuss the historic daylighting of groundwater.

Response: *Because the Surface Water section is focused on overland transport of surface water to the Wash, a discussion regarding the historical daylighting of groundwater has been added to Section 2.3, page 2-7, as referenced in a prior response.*

13. Page 2-5; Section 2.3, 2nd paragraph, 2nd to last sentence. Please state the range of depths encountered for the Upper Muddy Creek formation (UMCf).

Response: *The text has been expanded on page 2-6 to include the ranges of depths at which the UMCf is encountered at the Site.*

14. Page 2-5, Section 2.3, 3rd paragraph, please provide a cross-reference to the NDEP's hydrogeologic nomenclature guidance dated January 6, 2009.

Response: *A reference to NDEP's January 2009 hydrogeologic nomenclature guidance has been added as a footnote on page 2-6.*

15. Page 2-5; Section 2.3, last paragraph. Why is "Shallow Zone" separated from the rest of the text? If using sections, please insert a section for the "Middle Zone" and the "Deep Zone". Otherwise, as noted in comments for every SAP to date, delete the italicized title "Shallow Zone" – it is not needed.

Response: *The italicized text has been removed from the paragraph on page 2-6.*

16. Pages 2-7 through 2-9, Section 2.4, Table. Please note that the "bold" filter has not been applied to the column labeled "Maximum Background Detection". In addition, this table should be revised or a footnote should be added to discuss the comparisons being made to maximum background versus the range of background concentrations.

Response: *The table has been revised so that locations with values higher than the maximum background concentrations are presented in bold font. As presented, the header in the table states that the "background" value presented for comparison is the maximum background concentration. To lessen reader confusion, references in the text to background comparisons have been changed to indicate that these comparisons were made to the maximum reported*

background concentration as opposed to the range of background concentrations. In addition, identification of the maximum background concentration used, that is, the 2005 BRC/TIMET shallow background dataset, has been provided on page 2-19.

17. Page 2-9; Section 2.4. Please explain how the maximum values (other than those presented for pond PUO-07) do not represent current conditions if Interim Remedial Measures (IRMs) were performed only for PUP-08, PUO-07, Alpha Ditch, and the Beta Ditch. Many of the ponds listed in these tables occur outside of the IRM area illustrated on Figure 2.

Response: *The text has been revised to clarify that the maximum values associated with IRM areas no longer reflect current conditions. In addition, it is clarified in the text on pages 2-14 and again on page 2-15 that IRMs have not been performed at the Alpha and Beta ditches, rather concentrations in surface soil associated with areas that underwent tamarisk removal in 2007, which involved the removal of minimal amounts of site soil incorporated in the plant roots, are also not considered to represent current conditions.*

18. Page 2-9; Section 2.4. The text states that IRMs were performed for the Alpha and Beta Ditches. There is nothing in the text that states any IRM was conducted for the Beta Ditch, other than what is stated on this page. With respect to the Alpha Ditch, the only investigation that occurred as referenced in this SAP is subsequent to the IRM. Please clarify.

Response: *See response to comment #17 above.*

19. Page 2-10; Section 2.5, 2nd paragraph, 2nd sentence. The sentence, "…excavation of the impacted soils, transportation to a secured location within the Upper Ponds…" seems to contradict the third sentence, "…were excavated and removed from the Site during this IRM." Please clarify.

Response: *There appears to be confusion regarding the distinction between the Upper Ponds sub-area and the Upper Ponds, which extend outside the Upper Ponds sub-area boundary. To lessen this confusion, the text has been revised on page 2-14 to reflect the sub-area within which the excavated soils were stored, that is, the First Eight Rows sub-area.*

20. Page 2-11; Section 2.6, Table. The text on page 2-9 states that IRMs were performed for the Alpha and Beta Ditches. It is not clear where the pre- and post-IRM results are located. Please explain.

Response: *See response to comment #17 above.*

21. Page 2-11; Section 2.6, Footnote 9. It is not clear to the NDEP that BRC can make meaningful comparisons between ponds PUO-07 and PUP-08 without data.

Response: *BRC acknowledges that such comparisons are speculative, and the referenced footnote has been revised on page 2-15. In addition, the header on the table associated with the footnote has been revised to show that the Pre-IRM conditions are associated with PUO-07.*

22. Page 2-14; Section 2.8, 1st paragraph, 2nd sentence. The statement "sufficient number of analyses" lacks context.

Response: *The subject sentence has been revised on page 2-18 to add context to the term "sufficient number of analyses".*

23. Page 2-14, Section 2.8, 1st paragraph. BRC should also include a cross-reference in this Section to table 1 which shows all exceedances.

Response: *The subject sentence has been revised as suggested on page 2-18.*

24. Page 2-14; Section 2.8, Bulleted list. It appears that barium should also be included in Appendix C, based on the conditions outlined in the previous paragraph. The sample summary statistics in Table 1 indicate that it has detects that are >DAF1, >DAF20, and > background. Please clarify.

Response: *The conditions under which a given constituent was selected for graphical displays have been revised for clarification. Barium was not selected for graphical display because all but two of the detections were lower than the maximum background concentration, and the locations of these two exceedances were described in the text.*

25. Page 2-15; Section 2.8, Footnote 12 and elsewhere in the text. The Utility Corridor data points should be removed from Table 1 so that it is easier to follow the text. If these data points need to be included, please provide summary statistics for this sub-area in a separate table, and then explain the relevance of those data points.

Response: *Agreed. See response to comment #3 above.*

26. Page 2-16; Section 2.8, Arsenic subsection, 3rd sentence. Similar to the previous comment, the text states that 31 samples exceeded background, however Table 1 indicates that 35 exceeded background. Please separate the Utility Corridor data from Table 1 so that the results are easier to follow. Also, it should be noted that arsenic levels continue to exceed background in surface soils in the vicinity of the IRM area. Finally, it is not clear why these results cannot be listed. There is a long table on Page 2-27/8 for example. The reason given seems insufficient.

Response: *The prior discrepancy in the tally of detections greater than background was associated with the Utility Corridor data being included in Table 1. As noted above, Table 1 now includes only Upper Ponds sub-area data. Therefore, there is a more obvious link between the text discussions and the summary tables. BRC maintains that it is cumbersome and unnecessary*

to list 31 sample IDs in the main body of the text, since those locations can be easily identified by a simple review of Table B-1, and are presented in Appendix C; Figures C-3 and C-4. The other table cited is of a different nature (that is, identification of compounds for which reporting limits are not adequately low relative to applicable comparison levels), and the conclusions were not as easily derived from a review of the data.

27. Page 2-18; Section 2.8, Lead subsection. BRC states that one sample exceeded background, however, on Figure C-9, it appears that there were several background exceedances. Please clarify.

Response: *The discussion in the referenced section does not state that there is only one exceedance of background; it states that the sole BCL_{RS} exceedance is higher than background. NDEP is correct that there are several additional detections that are higher than background.*

28. Page 2-18; Section 2.8, Lead subsection and throughout the text. Please specify the range of background concentrations in the text. Please note that the maximum value is not the range.

Response: *In this and other sections, inasmuch as comparisons of Site data and background data were made relative to the maximum reported background concentration for each element, the text has been revised to include references to the maximum background concentration rather than the range of background concentrations. Statistical comparisons to the appropriate background dataset will be performed on the data collected in accordance with this SAP.*

29. Page 2-21; Section 2.8, Volatile Organic Compounds subsection, 2nd sentence. Please specify which table is being referenced.

Response: *The text has been revised on page 2-25 for clarification.*

30. Page 2-22; Section 2.8, SVOC subsection. According to the summary data in Table 1, benzyl butyl phthalate was also detected. Please clarify.

Response: *The prior discrepancy in the tally of benzyl butyl phthalate detections was associated with the Utility Corridor data being included in Table 1. This constituent was not detected in the Upper Ponds sub-area samples.*

31. Page 2-23; Section 2.8, PCBs subsection. Twice in this paragraph the term congener is used even thought the analyses were of Aroclors. Please change or clarify. It appears as if the only PCB analyses performed to date are of Aroclors. It is also worth noting that this is a data gap as well (that congeners have not been analyzed).

Response: *The text has been revised on page 2-27 to clarify that only Aroclor analyses were performed. In addition, the following sentence has been added to the end of this paragraph: "It is noted that lack of PCB congener data is a data gap for the Site."*

32. Page 2-25; Section 2.8, Radionuclide subsection. The NDEP has the following comments:
    a. BRC should perhaps include a brief discussion regarding secular equilibrium in this Section.

Response: *The text has been expanded on page 2-29 to include a brief discussion of secular equilibrium.*

    b. Please note that U-235/236 also had one BCL_{RS} exceedance and one background exceedance.

Response: *The prior discrepancy in the tally of U-235/236 detections was associated with the Utility Corridor data being included in Table 1. This constituent was not detected in the Upper Ponds sub-area samples at activities in excess of the* BCL_{RS} *or background.*

33. Page 3-8; Section 3.4.3, Soil Vapor Flux. The first sentence says that soil vapor flux will be derived from existing soil and groundwater conditions. This comment was made on a previous SAP and the response has been to add a parenthetical remark. This issue is use of the word "derived" – it is not clear that this is a useful word in this context. "Derived" would seem to mean that something other than flux chamber sampling might be involved. Please clarify.

Response: *The text has been revised on page 308 for clarification.*

34. Page 3-9; Section 3.4.5. Please add to this section regarding the scale of decision making for other uses in addition to the primary PSQ (residential housing).

Response: *The following sentence has been added as the third sentence to this section on page 3-9, "Other potential development interests in addition to residential housing include commercial buildings, schools, parks, and trails (see Figure 3)."*

35. Pages 4-1 through 4-9, Section 4.0. The NDEP has the following comments:
    a. General comment, given the extent of contamination at the site, it is not clear why further remediation is not planned at this time. Some further explanation would be helpful in some sections of the text. For example, there are elevated levels of arsenic, lead, and manganese (some instances much greater than background), which makes it difficult to understand why there will be no remediation conducted prior to sampling. A cost- and time-effective strategy might be to remediate in some areas prior to sampling. Some more discussion is warranted.

Response: *As previously discussed with NDEP, it is BRC's preference to more fully define Site conditions (and areas/depth intervals requiring remediation) using data generated under this SAP prior to initiating remediation of Site soils.*

b. It is requested that BRC propose an expansion to the scope of work to include a number of soil gas samples co-located with the flux chamber samples. These samples can be used to support the applicability of the evaluation of the vapor intrusion pathway in health risk assessments conducted across the BMI Common Areas. It is suggested that BRC and NDEP discuss this matter before the document is resubmitted.

Response: *From a technical standpoint, flux data are more representative and accurate than soil gas data; therefore the use of flux data in risk assessment (a direct measurement) is proper and appropriate, and is preferred over the use of soil gas data and modeling. BRC is open to further discussion on this topic, but as agreed with NDEP, revisions of this SAP to include soil gas sampling have not been made.*

36. Figure 2; Please highlight the IRM areas for the Alpha and Beta ditches (per text on page 2-9).

Response: *Figure 2 has been revised to more clearly identify the tamarisk removal areas along the Alpha and Beta ditches (see also response to comment #17 above).*

37. Figure 3; Please label other subareas for reference.

Response: *Figure 3 has been revised to identify the adjacent sub-areas.*

38. Figure 4; Please label other subareas and features for reference.

Response: *Figure 4 has been revised to identify the adjacent sub-areas.*

39. Appendix C, Figures. The "Post remediation/scrape data shown" in the legend should be clarified to note that this is referring to the IRM.

Response: *The legend notes in the Appendix C figures have been revised to read "Post-IRM/tamarisk scrape data shown."*

REDLINE/STRIKEOUT TEXT

1.0 INTRODUCTION

Basic Remediation Company (BRC) has prepared this Sampling and Analysis Plan (SAP) for the Upper Ponds sub-area. The SAP describes tasks for performance of confirmation sampling in order to obtain a no further action determination (NFAD) for this area. The term NFAD is defined in the *Settlement Agreement and Administrative Order on Consent: BMI Common Areas, Phase 3* (AOC3; Nevada Division of Environmental Protection [NDEP] 2006) in Section XVII. This revision~~initial version~~ of the SAP, Revision 1, incorporates comments received from the NDEP, dated March 23, 2009, on Revision 0 of the Upper Ponds SAP, dated March 2009~~all previously submitted BMI Common Areas (Eastside) sub-area SAPs~~. The NDEP comments and BRC's response to these comments are ~~not~~ included in Appendix A. Also included in~~; however,~~ Appendix A is ~~provided as~~ a redline/strikeout version of the text showing the revisions from the March 2009 version of the SAP~~placeholder for consistency with these previous sub-area SAPs~~. An electronic version of the entire report, as well as original format files (MS Word and MS Excel) of all text and tables are included in Appendix B.

The Upper Ponds sub-area (hereinafter "the Site") is one of several sub-areas of the BMI Common Areas (Eastside) located in Clark County, Nevada (Figure 1). The Site encompasses an area of approximately 283.3 acres[1] (Figure 2). The Site includes unlined wastewater effluent evaporation/infiltration~~former~~ ponds (and associated conveyance~~,~~ ditches)~~, and areas~~ that were built and into which various plant wastewaters were discharged from 1942 through 1976. The Site also includes land that appears to have had no historical use~~not used for any known waste disposal~~. This SAP relies upon information provided in the *BRC Closure Plan* for the BMI Common Areas (BRC *et al*. 2007; hereinafter "Closure Plan"). The main text of the Closure Plan provides discussions of the following elements relative to the BMI Common Areas project as a whole:

- The project history, including cleanup goals and project objective (Closure Plan Sections 1 and 2);
- The list of site-related chemicals (Closure Plan Section 3);
- The conceptual site model (CSM) addressing potential contaminant sources, the nature and extent of chemical of potential concern (COPC) occurrence, and potential exposure pathways

[1] This acreage estimate reflects a change from that presented in the Closure Plan (284.5 acres) that has resulted from the revision of site boundaries that occurred subsequent to Closure Plan finalization.

(Closure Plan Section 4; a CSM discussion specific to the Site is provided in Section 2 of this SAP);

- Data verification and validation procedures (Closure Plan Section 5);
- The procedures used to evaluate the usability and adequacy of data for use in the risk assessment (Closure Plan Sections 6 and 9);
- The data quality objectives (DQOs; Closure Plan Section 7; a DQO discussion specific to the Site is provided in Section 3 of this SAP);
- The remedial alternative study process for the Site (Closure Plan Section 8);
- Risk assessment procedures that will be used for Site closure (Closure Plan Section 9 for human health and Section 10 for ecological); and
- Data quality assessment (DQA; Closure Plan Section 5).

For certain areas within the BMI Common Areas remediation is planned based on existing Site data, and will be performed prior to conducting the site characterization activities proposed under this SAP; however, none is planned for this Site other than clearing of obvious contamination (*e.g.*, burn pits, stained soil, abandoned vehicles, and other debris). These clearing activities will occur prior to implementing the procedures described in this SAP. The following data gaps associated with the existing Site characterization have been identified: many of the previous samples were composite samples; most of the previous soil samples from within the uppermost 10 feet below ground surface (bgs) were collected at least seven years ago; few of the previous samples have been analyzed for all of the major chemicals or chemical families and several analyses used different analytical methods than established in the current analytical program for the BMI Common Areas; and spatial coverage of the Site is incomplete.

Therefore, because of these various factors, risk assessments for the Site will be conducted using the data collected as part of this SAP, which has been designed to produce data representative of the conditions to which current or future users would be exposed. The need for remediation will be primarily based on these data, which represent a more robust sampling coverage than employed during the historical sampling events and can thus be more reliably used to delineate areas requiring remediation. Validated, reliable historical data will be used as appropriate to

augment the dataset derived from the SAP activities.[2] However, because the historical data represent incomplete coverage for certain constituents and will be redundant for others after implementation of this SAP, BRC anticipates that the historical data will not generally be included in the risk assessment. However, a data usability evaluation will be conducted to determine whether any of the historical data can or should be used in the risk assessment or it will be explained why the new data supplants the old data. These historical data are useful for CSM purposes and are discussed in Section 2.0.

Sampling performed as described in this SAP relies on the statistical methodologies presented in the *Statistical Methodology Report* (NewFields 2006). The Statistical Methodology Report describes the statistical methods that will be used to confirm the final soils closure at each of the Eastside sub-areas of the BMI Common Areas.

The SAP presents sampling procedures that will be performed to assess current site conditions in order to determine what~~such~~ the potential impacts from chemicals present in site soils are to future Site users~~uses (as discussed in the Closure Plan) can be determined~~. In this SAP, as recommended in the Statistical Methodology Report, samples will be collected throughout the Site on a systematic sampling basis, consisting of a regular 3-acre grid overlay across the property with a randomly placed sample within each grid cell to provide enough samples for completion of a statistically robust assessment of contaminant distribution, and subsequently, to provide a robust dataset upon which to perform a human health risk assessment. Additional biased sampling locations will be selected within or near small-scale contamination points of interests, including but not limited to previous debris locations, ponds, berm walls, and the conveyance ditches.

1.1 PURPOSE OF THE SAP

The purpose of this SAP is to evaluate soil and soil vapor conditions (including any indirect impacts from underlying groundwater) that may have been impacted at the Site from former activities and adjoining lands. The scope of this investigation is limited to soil and soil vapor flux sampling in an effort to assess issues that might directly impact Site development potential consistent with the Closure Plan. However, the data will be used to determine any impacts to groundwater from future site uses. That is, data will be collected to evaluate the soil-to-

[2] Only those historical data that are representative of the conditions to which current or future users would be exposed (i.e., excluding data associated with soils subsequently removed from the Site) and pass a data usability evaluation will be included in the risk assessment for the Site.

groundwater leaching pathway. The objective of the field investigation is to identify and characterize the distribution of Site-related chemicals (SRCs) such that the potential impacts from chemicals present in site soils to future Site uses can be determined through risk assessment. Surface and subsurface samples that will be collected are depth-discrete soil matrix samples and surface vapor flux samples. Although this SAP does include data collection for evaluating groundwater as a potential source to the vapor intrusion pathway, it does not address potential groundwater issues, which are being investigated separately by BRC pursuant to AOC3 (NDEP 2006) as part of an overall evaluation of the BMI Common Areas. The investigation is designed to provide sufficient data to support risk-based decisions (including decisions to seek an NFAD) for the Site. The NFAD for the Site will contain a deed restriction precluding potable use of groundwater beneath the Site.

2.0 CONCEPTUAL SITE MODEL

The following sections provide information about the Site, previous investigations that have been conducted at the Site, interim remedial measures (IRMs) that have occurred, and the existing Site dataset. An overview of the CSM for the Site is provided in the Closure Plan. Consistent with the structure of prior SAPs, this section includes a summary of the investigations performed at the Site during the following primary project phases: prior to IRM performance (Section 2.4); during or immediately following any IRMs (Section 2.6); and subsequent to IRM performance (Section 2.7).

2.1 SITE DESCRIPTION

The Site (Figure 2) is approximately 283.3 acres in size, and is gently sloping to the northeast. The Site contains unlined wastewater effluent evaporation/infiltration ponds and associated conveyance ditches[3] that ~~the northern portion of the Upper Ponds, which~~ were once associated with historical conveyance and/or disposal of operations effluent and cooling water by companies operating at the BMI Complex. These ponds are located across the ~~The~~ majority of the Site ~~site~~ (approximately 247.8 acres, representing 87 percent of the Site). The ~~) comprises the former effluent ponds; the~~ individual ponds (~~typically~~ approximately 2 to 6 acres in size) are distinct and defined by berms along the north, east, and west sides. In general, the berms are relatively uniformly-shaped, often with angular corners showing little evidence of erosion. The berms are typically four~~4~~ to six~~6~~ feet tall. The remaining (non-pond) 35.5 acres of the Site are associated with the following:

- A ~~As depicted in Figure 2, a~~ portion of a former effluent conveyance ditch (the Alpha Ditch) that passes along the western edge of the Site (Figure 1);

[3] The Closure Plan and historical documents associated with the BMI Common Areas distinguish two primary sets of ponds in the Common Areas that are associated with historical conveyance and/or disposal operations: the "Upper Ponds" and the "Lower Ponds". The pond row labels shown on Figure 1 distinguish between the two; the 18 rows of Upper Ponds are labeled with a "U" followed by a letter (A through R) and the ten rows of Lower Ponds are labeled with an "L" followed by a letter (A through J). The Upper Ponds are the basis of the name applied to the Upper Ponds sub-area; but the Upper Ponds sub-area does not encompass the all of the Upper Ponds, rather only the northern half of the Upper Ponds, which had little to no historical usage (the southern portion of the Upper Ponds are within the First Eight Rows [Phases I and II], TIMET Ponds, and Spray Wheel sub-areas). The Lower Ponds are located further north on the BMI Common Areas, within the Western Hook-Development and Western Hook-Open Space sub-areas, and were previously located within the footprint of the City of Henderson WRF prior to its construction, during which they were regraded.

- A ~~, and a~~ second former effluent conveyance ditch (the Beta Ditch) that transects the Site (Figure 1); and

- Undeveloped acreage located east of effluent evaporation/infiltration pond rows "UH" through "UL" (Figure 1); this portion of the Site contains no significant features and has no known historical uses.

As seen on Figures 1 and 2, the Utility Corridor sub-area transects the Site and then runs along western boundary of the Site adjacent to the Sunset North sub-area. The Utility Corridor sub-area consisting of a 50-foot wide ditch, which passes through the Staging, First Eight Rows, Spray Wheel, and Upper Ponds sub-areas. The Utility Corridor sub-area includes the length of the sewer alignment excavation north of Parcel 4B until it meets up with the tie-in location at the City of Henderson Water Reclamation Facility (WRF) at the northern boundary of the Site (see Figure 1). The Utility Corridor sub-area was defined subsequent to the final BRC Closure Plan to allow expedited characterization and remediation in order to facilitate the installation of a new 48-inch sewer line along this alignment. An NFAD was received from NDEP for the Utility Corridor sub-area on January 8, 2009 for commercial or industrial land use for site soils above 10 feet below ground. Detailed discussions and data presentation/review for the Utility Corridor sub-area are presented in the *Data Review and Human Health Risk Assessment for the Utility Corridor Sub-Area* (BRC 2009, in revision).

The Site was undeveloped desert land until the construction of the effluent evaporation/infiltration ponds~~Upper Ponds~~ and associated conveyance ditches, into which various plant wastewaters were discharged from 1942 through 1976. Since that time, the Site has been vacant and unused.

The native soils are compacted, poorly-sorted, non-plastic, light brown to red silty sand with varying amounts of gravel. Within individual effluent evaporation/infiltration ponds~~Upper Ponds~~, surficial material consists of very fine material that grades in color from greenish-gray to light yellowish-brown; in places, the ground surface is white. This discolored material has been interpreted to be residual sediment associated with historic effluent disposal in the ponds. This material/discoloration is not generally present in the effluent evaporation/infiltration ponds contained~~portion of the Upper Ponds that is included~~ within the Site~~Upper Ponds sub-area~~. The lack of this material suggests limited use of these former ponds for historical wastewater discharge, which is further supported by historical aerial photographs that do not show evidence

of sediments~~surface liquids~~ within the ponds.~~.~~[4] A light-colored surficial residue is present in localized areas within former ponds in the central and western portion of the Site, immediately adjacent to the Spray Wheel sub-area; this residue is presumed to be associated with former Spray Wheel operations. The Spray Wheel sub-area is the former site of an evaporative agricultural-type mechanism used for the evaporative disposal of aqueous salt waste. The Spray Wheel was operated by TIMET from 1983 to 1991.

Exposures to current receptors (*i.e.*, trespassers/visitors, occasional on-site workers, and off-site residents) are being managed through site access control. Under the prospective redevelopment plan, the Site may be used for a variety of potential purposes. Residential land use (primarily low and medium density, with some high density) with roads, parks and trails interspersed, is currently planned for the majority of the site. Other planned land uses include school, retail/commercial and urban core, with associated roads and parking areas. The entire Site will be enhanced by restoration and redevelopment once remediation is complete. Therefore, exposures to ecological receptors will be mitigated or removed (see Section 10 of the Closure Plan). Future receptors identified as "on-site receptors" are defined as receptors located within the current Site boundaries (Figure 2), while future "off-site receptors" are those located outside the current Site boundaries. Many potential human receptors are possible at the Site in the period during and after redevelopment. The potentially exposed populations and their potential routes of exposure are discussed in Section 9 of the Closure Plan.

The current development plan for the Site is shown on Figure 3. To construct commercial facilities, the land will be cut and/or filled, paved with roads or foundations, and nurtured with imported soils from other areas within the Common Areas[5] as needed. Figure 4 shows the current grading plan for the Site, indicating which areas will be filled and which areas will be cut.

Because the background general water quality (*i.e.*, high salt concentrations) of the groundwater beneath the Site and in the surrounding area is poor and because BRC will place institutional controls in the form of a deed restriction to prevent future users from utilizing groundwater beneath the Site, the use of private water wells by residents, businesses, or parks for drinking

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[4] ~~Evidence of groundwater seeps onto the ground surface in the northern portion of the site is seen in historical aerial photographs, as discussed in Section 2.3.~~

[5] Note: Imported soil data will not be included in risk assessment calculations. However, the chemical data for fill material from the Site may be useful for evaluating sub-areas to receive this fill (that is, imported fill that may be used at the Site will have been included in risk assessments for sub-areas where the fill was obtained).

water, irrigation water, or other non-potable uses (*e.g.*, washing cars, filling swimming pools) will not occur in the post-redevelopment phase.

Although direct exposures to groundwater will not occur; indirect exposures are possible. The primary indirect exposure pathway from groundwater is the infiltration of volatile organic compounds (VOCs) and radon from soil and groundwater to indoor air. In addition, residual levels of chemicals in soil may leach and impact groundwater quality beneath the Site. Collection of data to evaluate both of these migration pathways at the Site is presented in this SAP.

The Site is surrounded on all sides but two (the west and the northeast) by Eastside sub-areas. The Site is bordered to the west by Pabco Road, beyond which is residential housing to the west. The Site is bordered to the north by property owned by Radio Nevada Corporation and the Tuscany development. The Galleria North sub-area (144 acres[6]) and the Sunset North Commercial sub-area (approximately 44.3 acres[7]) are immediately north of the Site. From west to east, the sub-areas adjacent to the site to the south are as follows: the TIMET Ponds sub-area (approximately 209.9 acres); the Spray Wheel sub-area (approximately 128.7 acres); and the First Eight Rows sub-area (approximately 203.7 acres for Phases I and II combined).[8] The Mohawk sub-area (approximately 54.7 acres) and a small portion of Parcel 4B are immediately to the east of the Site. Other nearby features of interest include:

- The City of Henderson Wastewater Reclamation Facility (WRF), which is associated with City water treatment operations, is approximately 450 feet north of the Site (separated by a strip of the Galleria North sub-area); and
- The ~~100'~~ Utility Corridor sub-area, which runs along the northwestern boundary of and transects the Site.

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[6] These acreage estimates reflect a change from those presented in the Closure Plan that has resulted from the revision of site boundaries that occurred subsequent to Closure Plan finalization. The Galleria North acreage has increased from the 136 acres presented in the Closure Plan, due in large part to the incorporation of part of the Sunset North Commercial sub-area. The Upper Ponds acreage has also decreased from the 284.5 acres presented in the Closure Plan.

[7] This acreage estimate reflects a change from the Closure Plan that has resulted from the revision of site boundaries that occurred subsequent to Closure Plan finalization. The Sunset North Commercial acreage has decreased from the 57.9 acres presented in the Closure Plan due to (1) a northern area being reassigned to the Galleria North sub-area, and (2) exclusion of the Nevada Power parcel within it.

[8] This delineation of two separate Phases and the associated acreage estimate reflect a change from the Closure Plan that has resulted from the revision of site boundaries that occurred subsequent to Closure Plan finalization. The First Eight Rows combined acreage has decreased from the 208.2 acres presented in the Closure Plan,

Chemicals detected in these sub-areas are similar to those found at the Site. The phased remediation schedule for the Eastside ~~sub-areas~~ calls for the Galleria North, ~~and~~ Sunset North Commercial, ~~sub-areas~~ and ~~the 100'~~ Utility Corridor ~~sub-areas~~ to be remediated prior to the Site. Based on historical sampling, and as will be presented in the SAPs for ~~Although~~ the TIMET Ponds, Spray Wheel, and First Eight Rows sub-areas, soils in these three sub-areas contain ~~elevated~~ chemicals at concentrations greater than those found at the Site~~in soil,~~ and applicable comparison levels. Although remediation of these sub-areas is ongoing and scheduled to be finalized after remediation of the Site, impacts from these areas to the Site are considered negligible because dust suppression/mitigation measures and storm water pollution prevention controls are being ~~will be~~ implemented during remediation activities. These dust suppression controls are being implemented during the project remediation to comply with applicable air quality regulations and to impede the generation of airborne dust due to intrusive on-site activities. These control measures are discussed in detail in the *Corrective Action Plan* (CAP; BRC 2006). In addition, emission of particulate matter from the site are being monitored by BRC as described in the *Perimeter Air Monitoring Plan* (BRC 2008) to assess the effectiveness of these dust control measures. As noted in Section 2.8, below, analytical~~Analytical~~ results for a 1,000-foot-radius around the Site (*i.e.*, extending into the adjacent sub-areas) are presented ~~further~~ in the chemical occurrence figures in Appendix C~~Section 2.8 below~~.

2.2 SURFACE WATER

Surface water flow occurs for brief periods of time during periodic precipitation events. The nature of the unlined wastewater effluent evaporation/infiltration ponds ~~Upper Ponds~~ and their construction currently serve to reduce overland transport of surface waters collected within the former Ponds area. Under current conditions, it is unlikely that contaminants in surface waters generated within the non-pond areas of the Site will migrate via overland transport to the Las Vegas Wash from the Site due to (1) the distance to the Wash (greater than one mile); ~~and~~ (2) the intervening presence of the Weston Hills and Tuscany developments and northern rapid infiltration basins (RIBs) between the Site and the Wash; and (3) storm water controls at the City of Henderson WRF. However, the presence of the drainage ditches in the western and central portions of the Site suggests the current potential for rainfall to be carried from the Site to the Wash.

After development~~, when the former wastewater conveyance features (*e.g.*, the Upper Pond berms and ditches) have presumably been removed, as noted above,~~ there will continue to be a low likelihood that contaminants in surface waters generated within the Site will migrate via

overland transport to the Las Vegas Wash from the Site, because (1) the unlined wastewater effluent evaporation/infiltration ponds and associated conveyance ditches will have been removed; (2) ~~due to~~ the large distance to the Wash; (3)~~,~~ the intervening presence of other developed properties; (4)~~,~~ storm water controls at the City of Henderson WRF;~~,~~ and (5) storm water features as part of the future development of the Site.

2.3 GEOLOGY/HYDROGEOLOGY

As is common throughout the Las Vegas Valley, Site soils are primarily sand and gravel, with occasional cobbles. This is consistent with the depositional environment of an alluvial fan. The Site is located on alluvial fan sediments, with a surface that slopes to the north-northeast at a gradient of approximately 0.02 foot per foot (ft/ft) towards the Las Vegas Wash. Regional drainage is generally to the east.

The uppermost strata beneath the Site consist primarily of alluvial sands and gravels derived from the River Mountains and from the volcanic source rocks in the McCullough Range, located to the southeast and southwest of the Site, respectively. These uppermost alluvial sediments were deposited within the last two million years and are of Quaternary age, and are thus mapped and referred to as the Quaternary alluvium (Qal; Carlsen *et al*. 1991). The Qal is typically on the order of 30 to 50 feet thick at the Site with variations due, in part, to the non-uniform contact between the Qal and the underlying Upper Muddy Creek Formation (UMCf).

The UMCf underlies the Qal. The Muddy Creek formation, of which the UMCf is the uppermost part, is a lacustrine deposition from the Tertiary Age, and it underlies much of the Las Vegas Valley. It is more than 2,000 feet thick in places. The lithology of the UMCf underlying the Site is typically fine-grained (sandy silt and clayey silt), although layers with increased sand content are sporadically encountered. These UMCf materials have typically low permeability, with hydraulic conductivities on the order of 10^{-6} to 10^{-8} centimeters per second (Weston 1993). The UMCf in the vicinity of the Site was encountered at depths ranging from 30 feet to 60 ft bgs, and extending to the maximum explored depth of 400 feet bgs. Lithologic cross sections using Site-specific stratigraphic information are shown on Figures 5 and 6.

Two distinct, laterally continuous water-bearing zones are present within the upper 400 feet of the Site subsurface: (1) an upper, unconfined water-bearing zone primarily within the Qal

(referred to as the Shallow Zone[9]), and (2) a deep, confined water-bearing zone that occurs in a sandier depth interval within the silts of the deeper UMCf (referred to as the Deep Zone). Between these two distinct water-bearing zones, a series of saturated sand stringers were sporadically and unpredictably encountered during drilling. This interval is referred to as the Middle Zone.

~~*Shallow Zone.*~~ The Shallow Zone is an unconfined, shallower, water-bearing zone that occurs across the BMI Common Areas. Within the Site boundaries, water in the Shallow Zone occurs in the Qal. The water surface in the Shallow Zone generally follows topography, with the water surface sloping towards the Las Vegas Wash. According to recent groundwater monitoring performed in April-May 2008 (BRC and MWH 2008) the depth from the surface to first groundwater at the Site is approximately 50 feet bgs. Wells completed in the Shallow Zone are not highly productive, with sustainable flows typically less than five gallons per minute. Chemical occurrence within this water-bearing zone, based on recent monitoring data associated with wells installed within and in the vicinity of the Site, is discussed in Section 2.9.[10]

Groundwater seeps currently exist at various locations within the Common Areas near the Las Vegas Wash. Although no seeps currently exist within the Site, they may have occurred in the past. However, an evaluation of historical aerial photos taken between 1964 and 1970 indicates that seeps have historically appeared to the north of the Site (in the Western Hook-Open Space, Galleria North, and Sunset North Commercial sub-areas), and at nearby off-site locations, but not in the Site itself. Figure 7 shows the extent of historical seeps in the vicinity of the Site. Evidence of seeps was not observed in aerial photographs after 1972. The extent to which these former seeps historically affected contaminant transport (*e.g.*, by means of enhanced surface water transport to the Wash or upward migration into overlying soils) is unknown.

2.4 HISTORICAL SITE INVESTIGATIONS PRIOR TO IRM PERFORMANCE

Shallow soil samples were collected within the Site prior to April 2000 (*i.e.*, initiation of IRM activities) during the following separate events (see Figure 2 for sample locations; sample

[9] Note: hydrogeologic and lithologic nomenclature is based on NDEP (2009a).

[10] Chemical occurrence in both the shallow and deep water-bearing zones beneath the Eastside and CAMU areas is currently being characterized under a process separate from the Closure Plan process under which this SAP has been prepared, which focuses on site soils. This SAP summarizes chemical occurrence trends in the shallow water-bearing zone, which is more likely to affect potential users under current and future land uses. A more detailed presentation of chemical occurrence patterns within both zones will be provided upon completion of the on-going groundwater investigation, and the CSM for the Eastside and CAMU areas will be updated accordingly.

locations are differentiated between pre and post-IRM.; the results of these field sampling events are summarized in the database excerpt provided in Appendix B):

- The BMI Common Areas Environmental Conditions Investigation (ECI) conducted during March and April 1996 (dataset 1a). The soil investigation activities were performed in accordance with a work plan approved by NDEP in February 1996 (ERM 1996a). The soil sampling results for the investigation activities were presented in the ECI report (ERM 1996b), which was approved by NDEP in March 1997. Data validation results are presented in the Data Validation Summary Report (DVSR) for dataset 1a (ERM 2006a), which was approved by NDEP on September 12, 2006;

- Supplemental soil investigation conducted in October 1999 (dataset 6d) in the Upper Ponds. These data were not collected under a formal NDEP-approved work plan. Data validation results are presented in the DVSR for dataset 6d (ERM 2006b), which was approved by NDEP on October 10, 2006; and

- Additional soil sampling conducted in March 2000 within the discolored soils in former pond PUO-07 (dataset 7d). These data were not collected under a formal NDEP-approved work plan. The results were summarized in the IRM Completion Report (ERM 2000), which has not been approved by NDEP. Data validation results are presented in the DVSR for dataset 7d (ERM 2006c), which was approved by NDEP on September 14, 2006.

During these investigations, soil samples at various depths were collected and analyzed for VOCs, semi-volatile organic compounds (SVOCs), polynuclear aromatic hydrocarbons (PAHs), organochlorine pesticides, polychlorinated biphenyls (PCBs), metals, perchlorate, and/or radionuclides. The results of these field sampling events are summarized in the database excerpt provided in Appendix B. As seen on Figure 2, the majority of these samples were composite samples.

The following compounds were detected in soils collected during the sampling events listed above at concentrations greater than NDEP (2009b) Basic Comparison Levels for residential soil (BCL_{RS}) or for protection of groundwater (BCL_{LS}; dilution attenuation factor [DAF] = 1):

Site-Related Chemical	**Location**	**Depth**	**Maximum Background**	**BCL_{RS}**	**BCL_{LS}**	**Concentration**
alpha-BHC	PUJ-14	1	--	0.09	**0.00003**	0.0043
	PUM-06	1	--	0.09	**0.00003**	0.0023 J+
Antimony	PUH-02	0	**0.5**	31.3	**0.3**	0.66 J-
	PUH-03	1	**0.5**	31.3	**0.3**	0.93 J-

Site-Related Chemical	Location	Depth	Maximum Background	BCL_{RS}	BCL_{LS}	Concentration
	PUH-06	1	**0.5**	31.3	**0.3**	7.1
	PUI-07	0	**0.5**	31.3	**0.3**	0.58
	PUO-07BSSE	0.5	**0.5**	31.3	**0.3**	*31*
		1.5	**0.5**	31.3	**0.3**	*0.54*
	PUO-07BSSW	0.5	**0.5**	31.3	**0.3**	*1.6*
Aroclor 1254	PUO-07BSSE	0.5	--	**0.22**	--	*11 J-/J+*
	PUO-07BSSW	0.5	--	**0.22**	--	*1.4 J-/J+*
Arsenic	ADB-04	1	**7.2**	**0.39**	**1**	*7.9 J-*
	BDB-19	1	**7.2**	**0.39**	**1**	*39*
		5	7.2	**0.39**	**1**	6.3
	PUH-01	1	**7.2**	**0.39**	**1**	11
	PUH-02	1	7.2	**0.39**	**1**	5.7
		5	7.2	**0.39**	**1**	5.2
	PUH-03	1	7.2	**0.39**	**1**	6.7
	PUH-04	0	7.2	**0.39**	**1**	4.6
	PUH-05	1	7.2	**0.39**	**1**	5.7
	PUH-06	1	**7.2**	**0.39**	**1**	25
	PUI-01	1	**7.2**	**0.39**	**1**	9.1
	PUI-02	1	**7.2**	**0.39**	**1**	9.5
	PUI-03	1	**7.2**	**0.39**	**1**	13
	PUI-04	1	**7.2**	**0.39**	**1**	11
	PUI-05	1	7.2	**0.39**	**1**	6
	PUI-06	1	7.2	**0.39**	**1**	3.7
	PUI-07	0	7.2	**0.39**	**1**	6.1
	PUI-12	0	7.2	**0.39**	**1**	2.6
	PUI-13	1	7.2	**0.39**	**1**	4
	PUI-14	1	7.2	**0.39**	**1**	3.5
	PUJ-01	1	7.2	**0.39**	**1**	7.1
	PUJ-02	0	7.2	**0.39**	**1**	4.4
	PUJ-03	1	**7.2**	**0.39**	**1**	7.3
	PUJ-04	1	**7.2**	**0.39**	**1**	17
	PUJ-05	1	7.2	**0.39**	**1**	4.2
	PUJ-06	1	**7.2**	**0.39**	**1**	13
	PUJ-13	1	7.2	**0.39**	**1**	3.1
	PUJ-14	1	7.2	**0.39**	**1**	3.2
		5	7.2	**0.39**	**1**	4
	PUK-01	1	7.2	**0.39**	**1**	6.4
	PUK-02	1	7.2	**0.39**	**1**	3.6
		5	7.2	**0.39**	**1**	3.1
	PUK-03	1	**7.2**	**0.39**	**1**	12
	PUK-04	1	**7.2**	**0.39**	**1**	7.8
	PUK-05	1	**7.2**	**0.39**	**1**	15
	PUK-06	1	7.2	**0.39**	**1**	5.4
	PUK-12	1	7.2	**0.39**	**1**	3.2
	PUK-13	1	7.2	**0.39**	**1**	3.4

Site-Related Chemical	Location	Depth	Maximum Background	BCL_{RS}	BCL_{LS}	Concentration
	PUL-01	1	**7.2**	**0.39**	**1**	8.7
	PUL-02	1	**7.2**	**0.39**	**1**	9.1
	PUL-03	1	7.2	**0.39**	**1**	4.1
		5	7.2	**0.39**	**1**	5.6
	PUL-04	1	7.2	**0.39**	**1**	4.9
	PUL-09	1	7.2	**0.39**	**1**	3
		5	7.2	**0.39**	**1**	4.8
	PUL-10	1	7.2	**0.39**	**1**	3.8
	PUL-11	1	7.2	**0.39**	**1**	3.4
	PUM-02	1	**7.2**	**0.39**	**1**	7.9
	PUM-03	1	7.2	**0.39**	**1**	5.6
	PUM-04	1	**7.2**	**0.39**	**1**	8.4
	PUM-05	1	7.2	**0.39**	**1**	5.7
	PUM-06	1	**7.2**	**0.39**	**1**	14
		5	7.2	**0.39**	**1**	3.2
	PUM-09	1	7.2	**0.39**	**1**	3
	PUM-10	1	7.2	**0.39**	**1**	2.9
	PUM-11	1	7.2	**0.39**	**1**	3.3
	PUN-04	1	**7.2**	**0.39**	**1**	7.4
	PUN-05	1	**7.2**	**0.39**	**1**	16
	PUN-06	1	**7.2**	**0.39**	**1**	40
	PUO-06	1	**7.2**	**0.39**	**1**	17
	PUO-07BSSE	0.5	**7.2**	**0.39**	**1**	*3900*
		1.5	**7.2**	**0.39**	**1**	*26*
	PUO-07BSSW	0.5	**7.2**	**0.39**	**1**	*270*
		1.5	**7.2**	**0.39**	**1**	*12*
Barium	ADB-04	1	836	15600	**82**	*240*
		5	836	15600	**82**	440
	ADB-05	1	836	15600	**82**	*160*
	BDB-19	1	836	15600	**82**	*830*
		5	836	15600	**82**	340
	PUH-02	1	836	15600	**82**	600
		5	836	15600	**82**	550
	PUH-03	1	836	15600	**82**	640
	PUH-04	0	836	15600	**82**	400
	PUH-05	1	836	15600	**82**	420
	PUH-06	1	**836**	15600	**82**	2100
	PUI-06	1	836	15600	**82**	290
	PUI-07	0	836	15600	**82**	440
	PUI-12	0	836	15600	**82**	310
	PUJ-02	0	836	15600	**82**	470
	PUJ-05	1	836	15600	**82**	330
	PUJ-14	1	836	15600	**82**	190
		5	836	15600	**82**	280
	PUK-02	1	836	15600	**82**	420

Site-Related Chemical	Location	Depth	Maximum Background	BCL_{RS}	BCL_{LS}	Concentration
		5	836	15600	**82**	260
	PUL-03	1	836	15600	**82**	320
		5	836	15600	**82**	530
	PUL-09	1	836	15600	**82**	260
		5	836	15600	**82**	250
	PUM-06	1	836	15600	**82**	560
		5	836	15600	**82**	300
	PUO-07BSSE	0.5	**836**	15600	**82**	*1300*
		1.5	836	15600	**82**	*280*
	PUO-07BSSW	0.5	**836**	15600	**82**	*5900*
		1.5	836	15600	**82**	*290*
Benzo(b)fluoranthene	PUO-07BSSE	0.5	--	**0.62**	**0.2**	*1.1 J-*
Beryllium	PUO-07BSSE	0.5	**0.89**	154	**3**	*5.5*
		1.5	**0.89**	154	3	*1.4*
	PUO-07BSSW	1.5	**0.89**	154	3	*1.6*
beta-BHC	BDB-19	1	--	0.32	**0.0001**	*0.0052 J+*
	PUH-02	1	--	0.32	**0.0001**	0.0038
	PUH-06	1	--	0.32	**0.0001**	0.037 J+
	PUI-06	1	--	0.32	**0.0001**	0.013
	PUI-07	0	--	0.32	**0.0001**	0.011
	PUI-12	0	--	0.32	**0.0001**	0.019
	PUJ-14	1	--	0.32	**0.0001**	0.02
	PUK-02	1	--	0.32	**0.0001**	0.0056 J+
	PUL-03	1	--	0.32	**0.0001**	0.0057
		5	--	0.32	**0.0001**	0.015 J+
	PUL-09	1	--	0.32	**0.0001**	0.016
	PUM-06	1	--	0.32	**0.0001**	0.019 J+
Cadmium	BDB-19	1	**0.16**	39	**0.4**	*0.82*
	PUJ-14	1	**0.16**	39	**0.4**	0.42
		5	**0.16**	39	**0.4**	0.46
	PUL-09	1	**0.16**	39	**0.4**	0.41
		5	**0.16**	39	**0.4**	0.49
	PUM-06	1	**0.16**	39	**0.4**	0.48
		5	**0.16**	39	0.4	0.4
	PUO-07BSSE	0.5	**0.16**	**39**	**0.4**	*41*
Chromium (Total)	ADB-05	1	16.7	211	**2**	*9.8*
	BDB-19	1	**16.7**	211	**2**	*26*
		5	16.7	211	**2**	12
	PUH-02	1	**16.7**	211	**2**	18
		5	16.7	211	**2**	10
	PUH-03	1	**16.7**	211	**2**	28
	PUH-04	0	**16.7**	211	**2**	17
	PUH-05	1	16.7	211	**2**	16
	PUH-06	1	**16.7**	211	**2**	53
	PUI-06	1	16.7	211	**2**	13

Site-Related Chemical	Location	Depth	Maximum Background	BCL_{RS}	BCL_{LS}	Concentration
	PUI-07	0	**16.7**	211	**2**	17
	PUI-12	0	**16.7**	211	**2**	29
	PUJ-02	0	16.7	211	**2**	10
	PUJ-05	1	16.7	211	**2**	13
	PUJ-14	1	16.7	211	**2**	15
		5	16.7	211	**2**	14
	PUK-02	1	16.7	211	**2**	13
		5	16.7	211	**2**	6.3
	PUL-03	1	16.7	211	**2**	14
		5	16.7	211	**2**	16
	PUL-09	1	**16.7**	211	**2**	19
		5	16.7	211	**2**	16
	PUM-06	1	**16.7**	211	**2**	130
		5	16.7	211	**2**	15
	PUO-07BSSE	0.5	**16.7**	**211**	**2**	*1100*
		1.5	**16.7**	211	**2**	*20*
	PUO-07BSSW	0.5	**16.7**	211	**2**	*140*
		1.5	**16.7**	211	**2**	*19*
Copper	PUO-07BSSE	0.5	**30.5**	2905	--	*740*
	PUO-07BSSW	0.5	**30.5**	2905	--	*160*
		1.5	**30.5**	2905	--	*110*
Hexachlorobenzene	PUO-07BSSE	0.5	--	**0.3**	**0.1**	*39 J-*
Lead	BDB-19	1	**35.1**	**400**	--	*480*
		5	**35.1**	400	--	43
	PUH-02	1	**35.1**	400	--	47
	PUH-03	1	**35.1**	400	--	72
	PUL-03	5	**35.1**	400	--	50
	PUM-06	1	**35.1**	400	--	93
	PUO-07BSSE	0.5	**35.1**	**400**	--	*33000*
	PUO-07BSSW	0.5	**35.1**	**400**	--	*5500*
		1.5	**35.1**	400	--	*40*
Manganese	BDB-19	1	**1090**	3240	--	*1100*
	PUH-06	1	**1090**	3240	--	2300
	PUO-07BSSE	0.5	**1090**	**3240**	--	*57000*
		1.5	**1090**	3240	--	*1300*
	PUO-07BSSW	0.5	**1090**	**3240**	--	*6700*
		1.5	**1090**	3240	--	*1300*
Mercury	PUO-07BSSE	1.5	**0.11**	23.5	**0.1**	*1.2*
	PUO-07BSSW	1.5	**0.11**	23.5	**0.1**	*0.13*
Nickel	PUO-07BSSE	0.5	30	1560	**7**	*26*
		1.5	30	1560	**7**	*21*
	PUO-07BSSW	0.5	30	1560	**7**	*23*
		1.5	30	1560	**7**	*19*
Radium-226	PUH-02	0	2.36	**0.0124**	**0.0161**	1.3
	PUH-04	0	2.36	**0.0124**	**0.0161**	1.34

Site-Related Chemical	Location	Depth	Maximum Background	BCL_{RS}	BCL_{LS}	Concentration
	PUI-07	0	2.36	**0.0124**	**0.0161**	1.4
	PUI-12	0	**2.36**	**0.0124**	**0.0161**	5.51
	PUJ-02	0	2.36	**0.0124**	**0.0161**	1.41
	PUK-02	0	2.36	**0.0124**	**0.0161**	1.28
	PUL-03	0	2.36	**0.0124**	**0.0161**	1.07
Radium-228	PUH-02	0	2.94	**0.0677**	**0.0595**	2.75
	PUH-04	0	2.94	**0.0677**	**0.0595**	2.21
	PUI-07	0	2.94	**0.0677**	**0.0595**	1.51
	PUI-12	0	2.94	**0.0677**	**0.0595**	1.16
	PUJ-02	0	2.94	**0.0677**	**0.0595**	1.92
	PUK-02	0	2.94	**0.0677**	**0.0595**	1.2
	PUL-03	0	2.94	**0.0677**	**0.0595**	1.95
Selenium	PUJ-14	5	**0.6**	391	**0.3**	0.77
	PUL-09	5	**0.6**	391	**0.3**	0.78
	PUM-06	1	**0.6**	391	**0.3**	1.2
		5	**0.6**	391	**0.3**	0.66
Silver	ADB-04	1	**0.2609**	391	**2**	*3.8*
Thallium	PUH-06	1	1.8	5.5	**0.4**	1.7
	PUO-07BSSE	0.5	**1.8**	**5.5**	**0.4**	*19*
	PUO-07BSSW	0.5	**1.8**	5.5	**0.4**	*2.6*
		1.5	1.8	5.5	**0.4**	*1.4*
Thorium-228	PUH-02	0	2.28	**0.154**	3.3	2.27
	PUH-04	0	**2.28**	**0.154**	3.3	2.45
	PUI-07	0	2.28	**0.154**	3.3	1.86
	PUI-12	0	2.28	**0.154**	3.3	1.62
	PUJ-02	0	2.28	**0.154**	3.3	1.73
	PUK-02	0	2.28	**0.154**	3.3	2.1
	PUL-03	0	2.28	**0.154**	3.3	1.94
Thorium-230	PUH-02	0	3.01	3.49	**0.303**	0.61
	PUH-04	0	3.01	3.49	**0.303**	1.39
	PUI-07	0	3.01	3.49	**0.303**	1.29
	PUI-12	0	3.01	3.49	**0.303**	1.02
	PUJ-02	0	3.01	3.49	**0.303**	1.04
	PUK-02	0	3.01	3.49	**0.303**	0.98
	PUL-03	0	3.01	3.49	**0.303**	1.22
Thorium-232	PUH-02	0	**2.23**	3.1	**0.303**	2.42
	PUH-04	0	2.23	3.1	**0.303**	2.05
	PUI-07	0	2.23	3.1	**0.303**	1.31
	PUI-12	0	2.23	3.1	**0.303**	1.69
	PUJ-02	0	2.23	3.1	**0.303**	1.93
	PUK-02	0	2.23	3.1	**0.303**	1.66
	PUL-03	0	2.23	3.1	**0.303**	1.85
Uranium-235/236	PUH-02	0	0.21	0.195	**0.03885**	0.04
	PUI-07	0	0.21	0.195	**0.03885**	0.05
	PUK-02	0	0.21	0.195	**0.03885**	0.04

Site-Related Chemical	Location	Depth	Maximum Background	BCL_{RS}	BCL_{LS}	Concentration
Uranium-238	PUH-02	0	2.37	0.742	**0.00605**	0.53
	PUH-04	0	2.37	0.742	**0.00605**	0.71
	PUI-07	0	2.37	0.742	**0.00605**	0.59
	PUI-12	0	2.37	**0.742**	**0.00605**	0.89
	PUJ-02	0	2.37	**0.742**	**0.00605**	0.77
	PUK-02	0	2.37	0.742	**0.00605**	0.61
	PUL-03	0	2.37	0.742	**0.00605**	0.73
Vanadium	PUH-03	1	**59.1**	391	300	64
	PUH-06	1	**59.1**	391	300	190
	PUI-12	0	**59.1**	391	300	98
	PUL-09	1	**59.1**	391	300	61
	PUM-06	1	**59.1**	391	300	100
	PUO-07BSSE	0.5	**59.1**	**391**	**300**	*790*
	PUO-07BSSW	0.5	**59.1**	391	300	*210*
Zinc	PUO-07BSSE	0.5	**121**	23500	**620**	*1300*
		1.5	**121**	23500	620	*180*
	PUO-07BSSW	0.5	**121**	23500	620	*200*
		1.5	**121**	23500	620	*190*

Note: Compound-specific comparison levels and background concentrations for which exceedances in Site data were observed are shown in **bold font** in the table above.

As discussed in the following section, IRMs were subsequently performed in former ponds PUP-08 and PUO-07, and the concentrations presented above that are associated with those locations (shown in italicized font in the table above) no longer represent current conditions. In addition, concentrations in surface soil associated with areas that underwent tamarisk removal in 2007, as discussed in Section 2.5 below, also are not considered to represent current conditions.

~~During these investigations, soil samples at various depths were collected and analyzed for VOCs, semi-volatile organic compounds (SVOCs), polynuclear aromatic hydrocarbons (PAHs), organochlorine pesticides, polychlorinated biphenyls (PCBs), metals, perchlorate, and/or radionuclides. The results of these field sampling events are summarized in the database excerpt provided in Appendix B. As seen in Figure 2, the majority of these samples were composite samples.~~

~~The following compounds were detected in soils collected during the sampling events listed above at concentrations greater than NDEP Basic Comparison Levels for residential soil (BCL_{RS}) or for protection of groundwater (BCL_{LS}; dilution attenuation factor [DAF] = 1):~~

~~Location~~	~~Site-Related Chemical~~	~~BCL_{RS} (mg/kg)~~	~~BCL_{LS} (mg/kg)~~	~~Maximum Background Detection (mg/kg)~~	~~Maximum Detection (mg/kg)~~

Location	Site-Related Chemical	BCL_{RS} (mg/kg)	BCL_{LS} (mg/kg)	Maximum Background Detection (mg/kg)	Maximum Detection (mg/kg)
PUH-02 PUH-03 PUH-06 PUI-07 PUO-07	Antimony	31.3	**0.3**	0.5	31 (at PUO-07)
Across Site	Arsenic	**0.39**	**1**	7.2	3,900 (at PUO-07)
Across Site	Barium	15,600	**82**	836	5,900 (at PUO-07)
PUO-07	Beryllium	154	**3**	0.89	5.5
ADB-04 BDB-19 PUJ-14 PUL-09 PUM-06 PUO-07	Cadmium	**39**	**0.4**	0.16	41 (at PUO-07)
Across Site	Chromium	**211**	**2**	16.7	1,100 (at PUO-07)
BDB-19 PUO-07	Lead	**400**	--	35.1	33,000 (at PUO-07)
PUO-07	Manganese	**3,240**	--	1,090	57,000
PUO-07	Mercury	100,000	**0.1**	0.11	1.2
PUO-07	Nickel	1,560	**7**	30	26*
PUJ-14 PUL-09 PUM-06	Selenium	391	**0.3**	0.6	1.2 (at PUM-06)
ADB-04	Silver	391	**2**	0.2609	3.8
PUH-06 PUO-07	Thallium	**5.48**	**0.4**	1.8	19 (at PUO-07)
PUO-07	Vanadium	**391**	**300**	59.1	790
PUO-07	Zinc	23,500	**620**	121	1,300
PUJ-14 PUM-06	Alpha-BHC	0.0902	**0.00003**		0.0043 (at PUJ-14)
Across Site	Beta-BHC	0.316	**0.0001**		0.037 (at PUH-06)
PUO-07	Hexachloro-	**0.304**	**0.1**		39

~~Location~~	~~Site-Related Chemical~~	~~BCL_{RS} (mg/kg)~~	~~BCL_{LS} (mg/kg)~~	~~Maximum Background Detection (mg/kg)~~	~~Maximum Detection (mg/kg)~~
	~~benzene~~				
~~PUO-07~~	~~Aroclor-1254~~	~~0.222~~	~~—~~		~~11~~
~~PUH-02~~ ~~PUH-04~~ ~~PUI-07~~ ~~PUI-12~~ ~~PUJ-02~~ ~~PUK-02~~ ~~PUL-03~~	~~Radium-226~~	~~0.0124 pCi/g~~	~~0.0161 pCi/g~~	~~2.36 pCi/g~~	~~5.51 pCi/g (at PUI-12)~~
~~PUH-02~~ ~~PUH-04~~ ~~PUI-07~~ ~~PUI-12~~ ~~PUJ-02~~ ~~PUK-02~~ ~~PUL-03~~	~~Radium-228~~	~~0.0677 pCi/g~~	~~0.0595 pCi/g~~	~~2.94 pCi/g~~	~~2.75 pCi/g* (at PUH-02)~~
~~PUH-02~~ ~~PUH-04~~ ~~PUI-07~~ ~~PUI-12~~ ~~PUJ-02~~ ~~PUK-02~~ ~~PUL-03~~	~~Thorium-228~~	~~0.154 pCi/g~~	~~3.3 pCi/g~~	~~2.28 pCi/g~~	~~2.45 pCi/g (at PUH-04)~~
~~PUH-02~~ ~~PUH-04~~ ~~PUI-07~~ ~~PUI-12~~ ~~PUJ-02~~ ~~PUK-02~~ ~~PUL-03~~	~~Thorium-230~~	~~3.49 pCi/g~~	~~0.303 pCi/g~~	~~3.01 pCi/g~~	~~1.39 pCi/g* (at PUH-04)~~
~~PUH-02~~ ~~PUH-04~~	~~Thorium-232~~	~~3.1 pCi/g~~	~~0.303 pCi/g~~	~~2.23 pCi/g~~	~~2.42 pCi/g (at PUH-02)~~

~~Location~~	~~Site Related Chemical~~	~~BCL_{RS} (mg/kg)~~	~~BCL_{LS} (mg/kg)~~	~~Maximum Background Detection (mg/kg)~~	~~Maximum Detection (mg/kg)~~
~~PUI-07~~ ~~PUI-12~~ ~~PUJ-02~~ ~~PUK-02~~ ~~PUL-03~~					
~~PUH-02~~ ~~PUI-07~~ ~~PUK-02~~	~~Uranium-235/236~~	~~0.195 pCi/g~~	~~**0.03885 pCi/g**~~	~~0.21 pCi/g~~	~~0.05 pCi/g* (at PUI-07)~~
~~PUH-02~~ ~~PUH-04~~ ~~PUI-07~~ ~~PUI-12~~ ~~PUJ-02~~ ~~PUK-02~~ ~~PUL-03~~	~~Uranium-238~~	~~**0.742 pCi/g**~~	~~**0.00605 pCi/g**~~	~~2.37 pCi/g~~	~~0.89 pCi/g* (at PUI-12)~~

~~Note: Screening levels with exceedances are shown in **bold font** in the table above.~~

~~* Within range of background concentrations.~~

~~As discussed in the following section, IRMs were subsequently performed (1) in former ponds PUP-08 and PUO-07; and (2) within the Alpha and Beta ditches, and the maximum values presented above no longer represent current conditions.~~

2.5 INTERIM REMEDIAL MEASURES (IRMs)

In 2000, while conducting an IRM for areas within the Western Hook-Development and Western Hook-Open Space sub-areas, stained surficial soils were observed in two ponds (PUP-08 and PUO-07) that are partially included within the Site. These two ponds are shared by the Sunset North Commercial and Upper Ponds sub-areas. The stained soils in former pond PUO-07 were sampled and found to contain elevated concentrations of several metals and PCBs. These data were not collected under a formal NDEP-approved work plan. The results were summarized in the IRM Completion Report (ERM 2000), which has not been approved by NDEP, and are included in Appendix B. Data validation results are presented in the DVSR for dataset 7d (ERM 2006c), which was approved by NDEP on September 14, 2006.

The IRM was therefore extended to include these two ponds, which were not included in the *Sunset North Area IRM Work Plan* (ERM 1999; approved by NDEP on August 27, 1999). IRM activities, which were performed in accordance with the approved work plan, consisted of excavation of the impacted shallow soils, transportation to a secured location within the First Eight Rows sub-areaUpper Ponds, and treatment to prevent generation of wind-blown dusts and runoff. A total estimated 130,000 cubic yards of soil (including areas other than ponds PUP-08 and PUO-07) were excavated and removed from the Site during this IRM. Results of the IRM for the Site were presented in the IRM completion report (ERM 2000); this report has not been approved by NDEP. The IRM excavation area is depicted on Figure 7.

In addition to this IRM, in 2007 BRC conducted a broad-scale removal of tamarisk plants in the Site; particularly along stretches of the Alpha and Beta ditches. Evidenceevidence of the ground surface disturbance from those plant removal activities can be seen on Figure 7. These tamarisk removal efforts covered an area of approximately 30 acres and involved the removal of minimal amounts of site soil incorporated in the plant roots. Although these removals are not considered an IRM, the surface soil data associated with these areas are no longer considered representative of current conditions.

2.6 IRM-RELATED CONFIRMATION SAMPLING

As soon as practical following excavation within former pond cells PUO-07 and PUP-08, soil samples were collected to confirm that the residual chemical concentrations were below comparisonscreening levels. The confirmation samples were collected from 0 to 1 foot below the post-excavation grade in each former pond cell using hand trowel techniques. Each of the ponds was partitioned into smaller sub-areas from which composite samples were collected; the composite samples were composed of three-subsamples. As seen on Figure 7, the IRM area extended outside the Site boundaries. Additional confirmation sampling was conducted in the off-site portions of the ponds.

The confirmation samples collected from each former pond were analyzed for metals, PCBs, VOCs, SVOCs and PAHs. As noted above, the soil sampling activities were performed in accordance with the work plan and approved by NDEP on August 27, 1999. The confirmation sampling results were presented in the IRM completion report (ERM 2000). All data from this investigation have been validated. Data validation results are presented in the DVSR for dataset 7b (ERM 2006d), which was approved by NDEP on September 13, 2006. The confirmation

sampling data are also included in the database excerpt provided in Appendix B. Concentrations of SRCs exceeding comparison~~screening~~ levels in Site soils were reduced as follows:

Pond ID	Site-Related Chemical	Pre-IRM Maximum Detection (PUO-07) (mg/kg)[11]	Post-IRM Maximum Detection (mg/kg)	
			PUO-07	PUP-08
PUO-07	Antimony	31	ND	1.2
	Arsenic	3,900	23	25
	Barium	5,900	430	690
	Beryllium	5.5	2.1	1.4
	Cadmium	41	ND	ND
	Chromium	1,100	37	37
	Lead	33,000	220	250
	Manganese	57,000	1,500	1,400
	Nickel	26	27	23
	Thallium	19	0.74	ND
	Vanadium	790	96	76
	Zinc	1,300	180	190
	Hexachlorobenzene	39	ND	ND
	Aroclor 1254	11	0.034	0.059

ND = not detected.

2.7 INVESTIGATIONS SUBSEQUENT TO IRM

Shallow soil samples were collected within the Site after conducting the initial IRM (*i.e.*, 2000 and later) during the following eight separate events (see Figure 2 for sample locations; data associated with all of these sampling events are provided in Appendix B):

- Discrete/composite soil investigation conducted in July 2000 (dataset 8a). The soil investigation activities were performed in accordance with ERM's work plan submitted in July 2000 and approved by NDEP on July 18, 2000. The soil sampling results for the investigation activities were presented in letters to NDEP dated August 11, 2000 (soil sampling results) and August 28, 2000 (statistical analysis of results); these letters have not been approved by NDEP. Data validation results are presented in the DVSR for dataset 8a (ERM 2006e), which was approved by NDEP on October 10, 2006;

[11] Given the similarity in appearance and proximity to former pond PUO-07, samples of the discolored surface soils were not collected from former pond PUP-08 prior to the IRM; the results of the samples collected from PUO-07 are assumed to be~~considered~~ reflective of ~~likely~~ pre-IRM concentrations within PUP-08, but without data this assumption cannot be confirmed.

- Supplemental soil investigation conducted in October 2000 (dataset 8c) in the Alpha Ditch and pond PUP-08. These data were not collected under a formal NDEP-approved work plan. Data validation results are presented in the DVSR for dataset 8c (ERM 2006f), which was approved by NDEP on October 26, 2006;

- Supplemental soil investigation conducted in May 2000 (dataset 12) in the vicinity of the TIMET Spray Wheel to assess chemical occurrence at depth; the only location sampled within the Site was B-16, which lies within former pond PUN-04. These data were not collected under a formal NDEP-approved work plan. Data validation results are presented in the DVSR for dataset 12 (MWH 2006a), which was approved by NDEP on October 25, 2006;

- Supplemental soil investigation conducted in May 2001 (dataset 20c). These data were not collected under a formal NDEP-approved work plan. Data validation results are presented in the DVSR for dataset 20c (ERM 2007a), which was approved by NDEP on February 5, 2007;

- Deep soil characterization conducted in June/July 2004 during monitoring well installation at five locations (SB-11-B, SB-15-A, SB-17-A, SB-18-A, and SB-19-A) as part of the 2004 Hydrologic Characterization Investigation (dataset 27). The soil investigation activities were performed in accordance with a work plan submitted in December 2003 (MWH 2003) and approved by NDEP in January 2004. The sampling results for the investigation activities were presented in the 2004 version of the BRC Closure Plan, which was not approved by NDEP. Data validation results are presented in the DVSR for dataset 27 (MWH 2006b), which was approved by NDEP on August 31, 2006;

- Supplemental soil investigation conducted in April 2005 (dataset 33) in the vicinity of the TIMET Spray Wheel to assess chemical occurrence at depth; the only location sampled within the Site was SWB-11, which lies adjacent to the eastern edge of the Spray Wheel sub-area. These data were not collected under a formal NDEP-approved work plan. Data validation results are presented in the DVSR for dataset 12 (MWH 2006c), which was approved by NDEP on October 25, 2006;

- Waste characterization conducted in July and August 2006 (dataset 39). The soil investigation activities were performed in accordance with BRC's SAP submitted on June 29, 2006, and approved by NDEP in July 2006. The soil sampling results for the investigation activities were previously presented in the *Remedial Action Plan* (RAP; BRC

2007), which was approved by NDEP on September 24, 2007. Data validation results are presented in the DVSR for dataset 39 (MWH 2006d), which was approved by NDEP on November 3, 2006; and

- Soil sampling was conducted in June/July 2007 (dataset 46) in association with an investigation to further assess groundwater conditions within the northeast portion of the Common Areas. The soil investigation activities were performed in accordance with a work plan (DBSA 2007) dated April 23, 2007, approved by NDEP on May 31, 2007. Data validation results are presented in the DVSR for dataset 46 (ERM 2007b), which was approved by NDEP on December 5, 2007.

During these investigations, soil samples at various depths were collected and analyzed for VOCs, SVOCs, organochlorine pesticides, organophosphorus pesticides, PCBs, chlorinated herbicides, dioxins/furans, aldehydes, alcohols/glycols, organic acids, PAHs, metals, general chemistry, perchlorate, and/or radionuclides. The data associated with these investigations subsequent to the IRM are also included in the database excerpt provided in Appendix B.

2.8 CURRENT CHEMICAL DISTRIBUTION WITHIN SOILS

A summary of historic post-IRM soil chemical data for the Site ~~Upper Ponds sub-area~~ from surface to 10 feet bgs, excluding excavated sample results, is presented in Table 1.[12]~~; because the Utility Corridor sub-area transects the Site, data associated with this sub-area are also included in the table.~~ Compound-specific historical sampling results collected from the Site, including those sample locations that were excavated during the IRM and tamarisk removal and depth intervals deeper than 10 feet bgs, are shown in Appendix B, Tables B-1 through B-11 (which also include Utility Corridor sub-area data), and included electronically in Appendix B.[13] Sample locations are shown on Figure 2.

Figures showing the assumed current distribution of various representative chemicals at the Site are presented in Appendix C. Project SRCs were generally selected for graphical depictions if

[12] Although the Utility Corridor sub-area crosses the Site, because this is a different sub-area, with different land use considerations, and a NFAD, data associated with the Utility Corridor sub-area are not included in Table 1 or this summary of Site data. Utility Corridor sub-area data are included on the figures in Appendix C.

[13] In most cases, the sample nomenclature for samples collected within the Upper Ponds is consistent with the pond IDs – for example, a sample collected from Upper Pond row H, the first pond to the east, at 1 foot bgs was historically assigned a sample ID of "PUH-01-1", The pond rows and individual ponds within them are labeled on Figure 2. In cases where this nomenclature convention was not followed (i.e., DBMW-9), the boring location can be seen on Figure 2; when such borings are noted in the text, the Pond locations are provided for ease of reference.

(1) a sufficient number of analyses for that constituent were performed (*i.e.*, for more than four samples); and~~;~~ (2) BCL_{RS} exceedances (Table 1) were observed for that constituent at concentrations in excess of background concentrations. In addition, certain constituents not observed at concentrations exceeding the BCL_{RS} were also chosen for graphical depictions if more than four ~~; and/or (3) an appreciable number of~~ BCL_{LS} exceedances (Table 1) were observed for that constituent at concentrations in excess of background concentrations. For organochlorine pesticides and radionuclides, a single representative constituent was selected for graphical displays. Using these criteria, chemical occurrence figures were prepared for the following constituents, which are discussed in greater detail below along with all constituents reported at concentrations in excess of their BCL_{RS} or BCL_{LS}:

- Antimony (0 to 2 feet bgs and 3 to 10 feet bgs - on Figures C-1 and C-2, respectively)
- Arsenic (0 to 2 feet bgs and 3 to 10 feet bgs - on Figures C-3 and C-4, respectively);
- Cadmium (0 to 2 feet bgs and 3 to 10 feet bgs - on Figures C-5 and C-6, respectively);
- Chromium (0 to 2 feet bgs and 3 to 10 feet bgs - on Figures C-7 and C-8, respectively);
- Lead (0 to 2 feet bgs and 3 to 10 feet bgs - on Figures C-9 and C-10, respectively);
- Manganese (0 to 2 feet bgs and 3 to 10 feet bgs - on Figures C-11 and C-12, respectively);
- Selenium (0 to 2 feet bgs and 3 to 10 feet bgs - on Figures C-13 and C-14, respectively);
- Perchlorate (0 to 2 feet bgs and 3 to 10 feet bgs - on Figures C-15 and C-16, respectively);
- Beta-BHC (0 to 2 feet bgs and 3 to 10 feet bgs - on Figures C-17 and C-18, respectively);
- Dioxins/furans (0 to 2 feet bgs and 3 to 10 feet bgs - on Figures C-19 and C-20, respectively); and
- Radium-226 (0 to 2 feet bgs and 3 to 5 feet bgs - on Figures C-21 and C-22, respectively).

These figures also include samples within the Utility Corridor sub-area, as well as all results within 1,000 feet of the Site from the adjacent sub-areas to provide information on the current upgradient, downgradient, and cross-gradient conditions.

Unless otherwise noted, to assess the potential threat to human health, chemical detections were compared to the BCL_{RS}. In addition, to assess the potential for impacts to groundwater quality,

chemical detections at the Site were also compared to the BCL_{LS} (DAF 1) established for each chemical. However, it should be noted that the maximum reported ~~range of~~ background concentrations[14] for several metals (for example, arsenic) are appreciably higher than the comparison~~screening~~ levels; therefore, comparison to background concentrations is more appropriate for these metals than using the BCL_{RS} and ~~-~~BCL_{LS} as points of comparison. Chemical occurrence patterns for the chemicals detected at concentrations in excess of comparison~~screening~~ levels, in samples collected from surface to 10 feet bgs, are provided below.~~[15]~~

Antimony. Of the 36 Site~~Upper Ponds sub-area~~ soil samples~~[16]~~ reflecting current conditions in which antimony was analyzed (29 surface[17] and 7 subsurface samples;~~,~~ Table B-1), antimony was detected in approximately 44 percent. All of these detections were lower than the 31.3 mg/kg BCL_{RS}, but nine exceeded the 0.3 mg/kg BCL_{LS}. It should be noted that the standard reporting limits employed during the historical sampling events are often higher than the BCL_{LS}, and it is unknown whether antimony is also present in those samples at concentrations in excess of the BCL_{LS}. The reporting limits were sufficiently low such that concentrations in excess of the BCL_{RS}, if present, would have been reported. All but one of the BCL_{LS} exceedances were higher than the ~~range of background concentrations (~~maximum background concentration 0.5 mg/kg~~)~~. These eight BCL_{LS} exceedances higher than background are associated with the following locations:

- Pond PUH-02 surface sample (0.66 mg/kg);
- Pond PUH-03 at 1 foot bgs (0.93 mg/kg);
- Pond PUH-06 at 1 foot bgs (7.1 mg/kg);
- Pond PUI-07 surface sample (0.58 mg/kg);
- Pond PUO-07 surface sample (boring SB-19-A, 0.8 mg/kg);

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[14] Values used are the maximum from the shallow soils background dataset presented in the *Background Shallow Soil Summary Report, BMI Complex and Common Area Vicinity* (BRC/TIMET 2007).

~~[15] Because the Corridor sub-area has a different CSM than the Site, and has received an NFAD, data associated with it are not included in the text discussion.~~

~~[16] Including Utility Corridor locations, the tally of samples increases to 51 samples (41% detections), as shown in Table 1.~~

[17] Surface samples are defined as those collected from the surface to 2 feet bgs; subsurface samples are defined as those collected from depths great than 2 feet bgs.

- Pond PUP-08 at 1 foot bgs (1.2 mg/kg); and
- Two locations in the northeastern corner of the Site, outside the former ponds (DBMW-11 at 1 foot bgs [0.71 mg/kg], and SB-18-A at 7 feet bgs [0.66 mg/kg]).

The distribution of antimony for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site are shown on Figures C-1 and C-2, respectively.

Arsenic. Of the 91 Site~~Upper Ponds sub-area~~ soil samples[~~18~~] reflecting current conditions in which arsenic was analyzed (75 surface and 16 subsurface samples;~~,~~ Table B-1), arsenic was detected in approximately 97~~94~~ percent. All of the detections were higher than the 0.39 mg/kg BCL_{RS} and the 1 mg/kg BCL_{LS}. Thirty-one samples had reported arsenic concentrations in excess of the maximum shallow soil background level[19] (7.2 mg/kg; from BRC/TIMET 2007). The maximum detection, 40 mg/kg, was associated with a sample collected from pond PUN-06). The distribution of arsenic for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site are shown on Figures C-3 and C-4, respectively.

Barium. Barium was detected in all of the 47 Site~~Upper Ponds sub-area~~ soil samples[~~20~~] reflecting current conditions in which barium was analyzed (31 surface and 16 subsurface samples;~~,~~ Table ~~Table~~ B-1). None of the detections were higher than the 15,600 mg/kg BCL_{RS}, but all of them exceeded the 82 mg/kg BCL_{LS}. However, all but two of the detections were lower than~~within~~ the ~~range of background concentrations (~~maximum background concentration of 836 mg/kg~~)~~. The two samples with barium detections greater than background were (1) a subsurface sample collected from the easternmost portion of the Site, near the northern boundary (DBMW-10 at 10 feet bgs, 910 mg/kg); and (2) a surface soil sample collected from PUH-06 (2,100 mg/kg).

Cadmium. Of the 37 Site~~Upper Ponds sub-area~~ soil samples[~~21~~] reflecting current conditions in which cadmium was analyzed (22 surface and 15 subsurface samples;~~,~~ Table B-1), it was detected in approximately 32 percent. None of the detections were higher than the 39 mg/kg

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[~~18~~] ~~Including Utility Corridor locations, the tally of samples increases to 106 samples (97% detections), as shown in Table 1.~~

[19] These exceedances are too numerous to list; this information~~the reader~~ is provided in Appendix B,~~referred to~~ Table B-1.

[~~20~~] ~~Including Utility Corridor locations, the tally of samples increases to 62 samples (100% detections), as shown in Table 1.~~

[~~21~~] ~~Including Utility Corridor locations, the tally of samples increases to 52 samples (52% detections), as shown in Table 1.~~

BCL_{RS}, but five results slightly exceeded the 0.4 mg/kg BCL_{LS}. These five results are higher than the ~~range of background conditions (~~maximum background concentration of ~~value~~ 0.16 mg/kg~~)~~, and are associated with samples collected from the western portion of the Site (PUJ-14, PUL-09, and PUM-06; maximum detection 0.49 mg/kg at location PUL-09 [5 feet bgs]). It should be noted that the standard reporting limits employed during the historical sampling events are higher than the BCL_{LS}, and it is unknown whether cadmium is also present in those samples at concentrations in excess of the BCL_{LS} The reporting limits were sufficiently low such that concentrations in excess of the BCL_{RS}, if present, would have been reported. The distribution of cadmium for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site are shown on Figures C-5 and C-6, respectively.

Chromium. Chromium was detected in all but one of the 47 Site~~Upper Ponds sub-area~~ soil samples~~[22]~~ reflecting current conditions in which it was analyzed (31 surface and 16 subsurface samples;~~,~~ Table B-1). None of the detections were higher than the 211 mg/kg BCL_{RS}; however, all ~~but one~~ of the detections were higher than the 2 mg/kg BCL_{LS}. The majority of these detections were lower than~~within~~ the ~~range of background concentrations (~~16.7 mg/kg maximum background detection~~)~~; however 18 results were higher than background. These eighteen exceedances higher than background are associated with the following locations:

- Pond PUH-02 at 1 foot bgs (18 mg/kg);
- Pond PUH-03 at 1 foot bgs (28 mg/kg);
- Pond PUH-04 surface sample (17 mg/kg);
- Pond PUH-06 at 1 foot bgs (53 mg/kg);
- Pond PUI-07 surface sample (17 mg/kg);
- Pond PUI-12 surface sample (29 mg/kg);
- Pond PUL-09 at 1 foot bgs (19 mg/kg);
- Pond PUL-11 (boring SB-15-A) at 7 feet bgs (18.4 mg/kg);
- Pond PUM-06 at 1 foot bgs (130 mg/kg);

~~[22] Including Utility Corridor locations, the tally of samples increases to 62 samples (98% detections), as shown in Table 1.~~

- Pond PUN-04 (boring B-16) at 2 feet bgs (82 mg/kg);
- Pond PUO-07, five surface soil samples (including SB-19-A; maximum detection 37 mg/kg);
- Pond PUP-08, two surface samples (maximum detection 37 mg/kg); and
- The non-pond area in the northeastern corner of the Site – location DBMW-11 at 10 feet bgs (23.6 mg/kg).

As seen from the above bullets, several of these concentrations are relatively close to background concentrations. The distribution of chromium for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site are shown on Figures C-7 and C-8, respectively.

Lead. Lead was detected in all of the 48 Site~~Upper Ponds sub-area~~ soil samples[~~23~~] reflecting current conditions in which it was analyzed (32 surface and 16 subsurface samples;~~,~~ Table B-1). Of these detections, one (470 mg/kg, surface sample from PUH-04) was higher than the 400 mg/kg BCL_{RS}; a BCL_{LS} has not been established for this constituent. Eighteen of the lead detections were~~This detection was also~~ higher than the maximum background concentration for lead (35.1 mg/kg)~~range of background concentrations~~. The distribution of lead for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site are shown on Figures C-9 and C-10, respectively.

Manganese. Manganese was detected in all of the 46 Site~~Upper Ponds sub-area~~ soil samples[~~24~~] reflecting current conditions in which it was analyzed (38 surface and 8 subsurface samples;~~,~~ Table B-1). Of these detections, one (3,300 mg/kg in sample surface sample from PUH-04) was higher than the 3,240 mg/kg BCL_{RS}; a BCL_{LS} has not been established for this constituent. Six of the manganese detections were~~This detection was also~~ higher than the maximum ~~range of~~ background concentration for manganese (1,090 mg/kg)~~concentrations~~. The distribution of manganese for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site are shown on Figures C-11 and C-12, respectively.

~~[23] Including Utility Corridor locations, the tally of samples increases to 63 samples (100% detections), as shown in Table 1.~~
~~[24] Including Utility Corridor locations, the tally of samples increases to 61 samples (100% detections), as shown in Table 1.~~

Nickel. Nickel was detected in all 22 of the Site~~Upper Ponds sub-area~~ soil samples[25] reflecting current conditions in which it was analyzed (15 surface and 7 subsurface samples;~~,~~ Table B-1). None of these detections exceeded the 1,560 mg/kg BCL_{RS}, however, all were higher than the 7 mg/kg BCL_{LS} (maximum detection 27 mg/kg, surface soil sample from PUO-07).[26] All of these detections were lower than the maximum ~~within the range of~~ background ~~concentrations (maximum background~~ concentration for nickel (30 mg/kg).

Selenium. Of the 36 Site~~Upper Ponds sub-area~~ soil samples[27] reflecting current conditions in which it was analyzed (20 surface and 16 subsurface samples;~~,~~ Table B-1), selenium was reported in only four samples (approximately 11 percent). None of the detections were higher than the 391 mg/kg BCL_{RS}; however, all four of the detections were higher than the 0.3 mg/kg BCL_{LS}. These results were higher than the ~~background range (~~0.6 mg/kg maximum background concentration for selenium~~detection)~~, and are associated with the following locations in the western half of the Site:

- Pond PUJ-14 at 5 feet bgs (0.77 mg/kg);
- Pond PUL-09 at 5 feet bgs (0.78 mg/kg); and
- Pond PUM-06 at 1 foot and 5 feet bgs (1.2 mg/kg and 0.66 mg/kg, respectively).

It should be noted that the standard reporting limits employed during the historical sampling events are higher than the BCL_{LS} (and the background range in some cases), and it is unknown whether selenium is also present in those samples at concentrations in excess of the BCL_{LS} (or background, in some cases). The reporting limits were sufficiently low such that concentrations in excess of the BCL_{RS}, if present, would have been reported. The distribution of selenium for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site are shown on Figures C-13 and C-14, respectively.

~~[25] Including Utility Corridor locations, the tally of samples increases to 37 samples (100% detections), as shown in Table 1.~~

[26] These exceedances are too numerous to list; this information~~the reader~~ is provided in Appendix B.~~referred to~~ Table B-1.

~~[27] Including Utility Corridor locations, the tally of samples increases to 51 samples (8% detections), as shown in Table 1.~~

Thallium. Of the 36 Site~~Upper Ponds sub-area~~ soil samples[28] reflecting current conditions in which it was analyzed (29 surface and 7 subsurface samples;~~,~~ Table B-1), thallium was reported in only two (approximately 6 percent). Both detections were lower than the 5.48 mg/kg BCL_{RS}; however, they were higher than the 0.4 mg/kg BCL_{LS}. The reporting limits were sufficiently low such that concentrations in excess of the BCL_{RS}, if present, would have been reported. However, the standard reporting limits employed during the historical sampling events were often higher than the BCL_{LS}, and it is unknown whether thallium is also present in those samples at concentrations in excess of the BCL_{LS} The two BCL_{LS} exceedances are associated with the following locations from the central portion of the Site:

- Pond PUH-06 (surface sample; 1.7 mg/kg); and
- Pond PUO-07 (surface sample, 0.74 mg/kg).

Both detections and the reporting limits for non-detects were lower than~~within~~ the ~~range of background concentrations (~~maximum background concentration for thallium (1.8 mg/kg).

Cyanide. Of the 24 Site~~Upper Ponds sub-area~~ soil samples[29] reflecting current conditions in which it was analyzed (12 surface and 12 subsurface samples;~~,~~ Table B-6), cyanide was reported in only two (approximately 8 percent). Both detections were lower than the 1,220 mg/kg BCL_{RS}; however, one was higher than the 2 mg/kg BCL_{LS} (Pond PUK-05 surface sample from boring [SB-17-A]; 9.5 mg/kg). The reporting limits were sufficiently low such that concentrations in excess of the BCL_{RS} or BCL_{LS}, if present, would have been reported.

Other Inorganics. As seen in Table 1 and Tables B-1 and B-6 in Appendix B, several inorganic constituents in addition to those listed above were routinely detected in soil samples reflecting current conditions. None of these additional inorganic constituents were detected at concentrations in excess of either the BCL_{RS} or the BCL_{LS}. The reporting limits for these additional inorganic constituents were sufficiently low such that concentrations in excess of the BCL_{RS} or BCL_{LS}, if present, would have been reported.

Because perchlorate is a key compound of concern at the Common Areas, even though the detections do not meet the general criteria for graphic presentations in this SAP, the distribution

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~~[28] Including Utility Corridor locations, the tally of samples increases to 51 samples (10% detections), as shown in Table 1.~~
~~[29] Including Utility Corridor locations, the tally of samples increases to 37 samples (5% detections), as shown in Table 1.~~

of perchlorate for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site are shown on Figures C-15 and C-16, respectively.

Organochlorine Pesticides. Forty-seven Site~~Upper Ponds sub-area~~ soil samples[~~30~~] reflecting current conditions were analyzed for organochlorine pesticides (32 surface and 15 subsurface samples;~~,~~ Table B-2). Most of these analytes were detected in at least one sample; 4,4-DDE, 4,4-DDT and beta-BHC were the most commonly detected. These three constituents were detected in at least 30 percent of the samples in which they were analyzed. None of the detections exceeded the BCL_{RS}; the standard reporting limits were lower than the BCL_{RS}, and concentrations in excess of the BCL_{RS}, if present, would have been reported. However, the following organochlorine pesticide~~OCP~~ detections were higher than the BCL_{LS} for protection of groundwater (DAF 1):

- alpha-BHC (4 exceedances of the 0.00003 mg/kg BCL_{LS} in soil samples collected from across the site, maximum detection 0.018 mg/kg in a 7 foot bgs sample from SB-18-A in the northeast corner of the Site);
- beta-BHC (18 exceedances of the 0.0001 mg/kg BCL_{LS} in soil samples collected from across the site, maximum detection 0.04 mg/kg in a 1 foot bgs sample from PUH-04); and
- Lindane (2 exceedances of the 0.0005 mg/kg BCL_{LS}, both associated with SB-18-A in the northeast corner of the Site - maximum detection 0.0076 mg/kg in the 7 foot bgs sample).

It should be noted that the standard reporting limits employed during the historical sampling events for these three organochlorine pesticides and dieldrin are higher than the BCL_{LS}, and it is unknown whether these constituents are also present in those samples at concentrations in excess of the BCL_{LS} Otherwise, the reporting limits for organochlorine pesticides were sufficiently low such that concentrations in excess of the BCL_{LS}, if present, would be reported. The distribution of beta-BHC for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site are shown on Figures C-17 and C-18, respectively.

Volatile Organic Compounds. Thirty-seven Site~~Upper Ponds sub-area~~ soil samples[~~31~~] reflecting current conditions were analyzed for VOCs (21 surface and 16 subsurface samples;~~,~~ Table B-3). As seen in Table 1 and Table B-3~~the table~~, thirteen VOCs were detected in at least one sample;

[~~30~~] ~~Including Utility Corridor locations, the tally of samples increases to 61 samples, as shown in Table 1.~~
[~~31~~] ~~Including Utility Corridor locations, the tally of samples increases to 45 samples, as shown in Table 1.~~

however, only three were detected in more than two samples (*i.e.*, acetone [8 samples], benzene [10 samples], and methyl ethyl ketone [7 samples]). None of the detections were above the BCL_{RS}; the standard reporting limits were lower than the BCL_{RS}, and concentrations in excess of the BCL_{RS}, if present, would have been reported.

The only VOC reported at concentrations higher than the BCL_{LS} was dichloromethane (2 exceedances of the 0.001 mg/kg BCL_{LS}, both associated with DBMW-9 in the northeast corner of the Site - maximum detection 0.0077 mg/kg in the 1 foot bgs sample). However, in some cases the reporting limits employed during the historical sampling events are higher than the BCL_{LS}, and it is unknown whether these constituents are present in samples at concentrations in excess of the $BCL_{LS.}$ These analytes with reporting limits higher than the BCL_{LS} are as follows:

- 1,1,2,2-Tetrachloroethane
- 1,1,2-Trichloroethane
- 1,1-Dichloroethylene
- 1,2-Dichloroethane
- 1,2-Dichloropropane
- 1,3-Dichloropropane
- Benzene
- Carbon tetrachloride
- Dichloromethane
- Tetrachloroethylene
- Trichloroethylene
- Vinyl chloride

Otherwise, the reporting limits for VOCs were sufficiently low such that concentrations in excess of the BCL_{LS}, if present, would be reported.

Semi-Volatile Organic Compounds. Twenty-nine Site~~Upper Ponds sub-area~~ soil samples[32] reflecting current conditions were analyzed for SVOCs (21 surface and 8 subsurface samples;~~,~~ Table B-4). Only three SVOCs (bis(2-ethylhexyl)phthalate, a common laboratory contaminant, benzoic acid and phthalic acid), were reported in the analyses performed on soils. Detections of these three constituents were lower than the BCL_{RS} and the BCL_{LS}. For SVOC non-detects, the standard reporting limits were lower than the BCL_{RS} in all cases except for 1,3-dichlorobenzidine, bis(2-chloroethyl)ether, hexachlorobenzene, n-nitrosodimethylamine, and n-nitrosodi-n-propylamine, which had reporting limits higher than the BCL_{RS}. With the exception of these five compounds, concentrations in excess of the BCL_{RS}, if present, would have been reported for SVOCs. For several SVOCs the reporting limits employed during the historical

[32] ~~Including Utility Corridor locations, the tally of samples increases to 43 samples, as shown in Table 1.~~

sampling events are higher than the BCL_{LS}, and it is unknown whether these constituents are present in those samples at concentrations in excess of the BCL_{LS} The analytes with reporting limits higher than the BCL_{LS} are as follows:

- 2,4,6-Trichlorophenol
- 2,4-Dichlorophenol
- 2,4-Dimethylphenol
- 2,4-Dinitrophenol
- 2,4-Dinitrotoluene
- 2,6-Dinitrotoluene
- 2-Chlorophenol
- 3,3-Dichlorobenzidine
- bis(2-Chloroethyl)ether
- Carbazole
- Hexachloro-1,3-butadiene
- Hexachlorobenzene
- Hexachloroethane
- Isophorone
- Nitrobenzene
- n-Nitrosodiphenylamine
- p-Chloroaniline
- Pentachlorophenol

Dioxins and Furans. Thirteen Site~~Upper Ponds sub-area~~ soil samples[~~33~~] reflecting current conditions were analyzed for dioxins and furans (9 surface and 4 subsurface samples;~~,~~ Table B-5). At least one of the individual dioxins and furans congeners analyzed were reported as detections in each sample. Comparison~~Screening~~ levels have not been established for individual congeners. To assess the potential threat to human health, dioxins/furans toxic equivalency (TEQ) concentrations for each sample were compared to the Agency for Toxic Substances and Disease Registry (ATSDR) screening value of 50 parts per trillion (ppt). None of the samples analyzed had calculated TEQ values in excess of this screening level. BCL_{LS} values have not been established for dioxin/furans; thus the potential for impacts to groundwater quality due to their presence could not be assessed by comparisons to these ~~screening~~ levels.

Because dioxins/furans are a key compound of concern at the Common Areas, even though the detections do not meet the general criteria for graphic presentations in this SAP, the distribution of dioxins/furans for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site are shown on Figures C-19 and C-20, respectively.

~~[33] Including Utility Corridor locations, the tally of samples increases to 27 samples, as shown in Table 1.~~

Polychlorinated Biphenyls. Thirty Site~~Upper Ponds sub-area~~ soil samples reflecting current conditions were analyzed for PCBs (Aroclors only) (18 surface, 12 subsurface;~~,~~ Table B-8). Detections of one PCB ~~congener~~ (Aroclor 1254) were reported in four samples; all of these detections were lower than the BCL_{RS}. The standard reporting limits for all PCBs~~congeners~~ analyzed were lower than the BCL_{RS}; thus concentrations in excess of the BCL_{RS}, if present, would have been reported. BCL_{LS} values have not been established for these compounds. It is noted that lack of PCB congener data is a data gap for the Site.

Organophosphorus Pesticides. Eight Site~~Upper Ponds sub-area~~ soil samples reflecting current conditions were analyzed for organophosphorus pesticides (5 surface, 3 subsurface;~~,~~ Table B-7). Several organophosphorus pesticides were detected in one or two samples at relatively low concentrations (maximum detection 0.011 mg/kg of Dichlorvos, 7 foot bgs sample from SB-19-A in former pond PUO-07). None of the detections were higher than the BCL_{RS}, and the standard reporting limits were lower than the BCL_{RS}; thus concentrations in excess of the BCL_{RS}, if present, would have been reported. BCL_{LS} values have not been established for these compounds.

Chlorinated Herbicides. Ten Site~~Upper Ponds sub-area~~ surface soil samples reflecting current conditions were analyzed for chlorinated herbicides (6 surface, 4 subsurface; Table B-10); there were no detections reported in these samples. The standard reporting limits were lower than the BCL_{RS}; thus concentrations in excess of the BCL_{RS}, if present, would have been reported. BCL_{LS} values have not been established for these compounds.

Polynuclear~~Polychlorinated~~ Aromatic Hydrocarbons. Twenty-nine Site~~Upper Ponds sub-area~~ soil samples[34] reflecting current conditions were analyzed for PAHs (21 surface, 8 subsurface;~~,~~ Table B-11); there were no detections reported in these samples. The standard reporting limits were generally, but not always, lower than the BCL_{RS} and the BCL_{LS}; thus concentrations in excess of these comparison~~screening~~ levels, if present, would have been reported. In several cases the reporting limits employed during the older sampling events are higher than the BCL_{RS} and/or BCL_{LS}, and it is unknown whether these constituents are present in those samples at concentrations in excess of the BCL_{LS} These analytes with reporting limits frequently higher than the BCL_{RS} and/or BCL_{LS} are as follows:

- Benzo(a)anthracene
- Benzo(a)pyrene
- Dibenzo(a,h)anthracene
- Indeno(1,2,3-c,d)pyrene

~~[34] Including Utility Corridor locations, the tally of samples increases to 43 samples, as shown in Table 1~~

- Benzo(b)fluoranthene (issue for BCL_{RS} only)

Aldehydes. Nine Site~~Upper Ponds sub-area~~ soil samples[35] reflecting current conditions (5 surface, 4 subsurface;~~,~~ Table ~~Table~~ B-~~-~~6) were analyzed for aldehydes. Acetaldehyde and formaldehyde were detected in several samples at relatively low concentrations below the BCL_{RS} (maximum concentration 0.5 mg/kg of formaldehyde, 0 foot bgs sample from SB-11-B). The standard reporting limits were lower than the BCL_{RS}; thus concentrations in excess of the BCL_{RS}, if present, would have been reported. BCL_{LS} values have not been established for these compounds.

Organic Acids and Glycol/Alcohols. Nine Site~~Upper Ponds sub-area~~ soil samples reflecting current conditions (5 surface, 4 subsurface;~~,~~ Table B-11) were analyzed for organic acids and glycols/alcohols; there were no detections reported in the samples. The standard reporting limits were lower than the BCL_{RS}; thus concentrations in excess of the BCL_{RS}, if present, would have been reported. The reporting limit for 4-chlorobenzene sulfonic acid (the only analyte in these analyses with an established BCL_{LS}) was higher than the BCL_{LS}, and it is unknown whether this constituent is present at a concentration in excess of the BCL_{LS}

Radionuclides. Radionuclides were detected in all 22 of the Site~~Upper Ponds sub-area~~ soil samples analyzed[36] (15 surface and 7 subsurface soil samples;~~,~~ Table B-9). Exceedances of comparison levels for radionuclides are only shown in Table 1 for the eight radionuclides currently included in the project analyte list (radium-226, radium-228, thorium-228, thorium-230, thorium-232, uranium-233/234, uranium-235/236, and uranium-238). Exceedance of background is shown in Table 1 for all radionuclides historically analyzed for within the Site. The following radionuclides were detected at concentrations in excess of the BCL_{RS} and BCL_{LS}: radium-226; radium-228; thorium-228 (BCL_{RS} exceedances only); thorium-230 (BCL_{LS} exceedances only); thorium-232 (BCL_{LS} exceedances only); uranium-235/236 (BCL_{LS} exceedances only); and uranium-238. It should be noted, however, that with limited exceptions, the reported activities in excess of the BCL_{RS}/BCL_{LS} were within the range of background levels. The three exceptions were as follows:

- One detection of radium-226 (5.5 pCi/g, in a surface soil sample from PUI-12) was higher than the 2.36 pCi/g maximum background detection;

[35] ~~Including Utility Corridor locations, the tally of samples increases to 23 samples, as shown in Table 1~~
[36] ~~Including Utility Corridor locations, the tally of samples increases to 36 samples, as shown in Table 1~~

- One detection of thorium-228 (2.45 pCi/g, in a surface soil sample from PUH-04) was higher than the 2.28 pCi/g maximum background detection; and

- One detection of thorium-232 (2.42 pCi/g, in a surface soil sample from PUH-02) was higher than the 2.23 pCi/g maximum background detection.

As presented in NDEP guidance (NDEP 2009c), as part of the process used to evaluate radionuclide data for the Common Areas, BRC will assess whether secular equilibrium has been attained (as an indication that steady-state conditions have been reached). Given the limited amount of radionuclide data for this Site, understanding that there may be individual departures for a given isomer, the data indicate that secular equilibrium has been broadly attained at the Site. A more thorough evaluation of secular equilibrium status will be performed after collecting radionuclide data in accordance with this SAP.

The distribution of radium-226, representative of radionuclides, for samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site are shown on Figures C-21 and C-22, respectively.

Summary of Soil Exceedances. As summarized above and in the associated data tables (Table 1 and Appendix B), sampling of Site soils has been limited, and the analyte list is incomplete. Based on the limited historical data, the following comparison~~screening~~ level exceedances were observed:

- The few BCL_{RS} exceedances were associated with arsenic, lead, and manganese. In addition, radionuclides were also routinely reported as detections greater than the BCL_{RS}; however, the radionuclide results in excess of BCL_{RS} are, with few exceptions, considered representative of background conditions.

- Exceedances of the BCL_{LS} for protection of groundwater were also limited to selected metals, cyanide, alpha and beta-BHC, Lindane, dichloromethane, and radionuclides. Many of the BCL_{LS} exceedances for metals and radionuclides were within the range of background.

2.9 CHEMICAL DISTRIBUTION WITHIN GROUNDWATER

For evaluating Shallow Zone groundwater quality at the Site, the following wells in the immediate Site vicinity were used: AA-18, DBMW-9, DBMW-10, DBMW-11, and POD2 (Figure 2). The data associated with these wells from the most recent groundwater monitoring event (May through June 2008) are presented in Table 2. Data validation results are presented in

the DVSR for dataset 51 (ERM 2008), which was approved by NDEP on November 1, 2008. Chemical occurrence patterns for the chemicals detected in groundwater from these wells are provided below. For data evaluation purposes, the detections were compared to the following, where established:

- U.S. Environmental Protection Agency (USEPA) Maximum Contaminant Levels (MCLs);
- Human health screening levels for indoor air intrusion (USEPA generic groundwater to indoor air screening level; "Vapor Intrusion Screening Level," hereinafter "VI SL"); and
- The NDEP residential water BCL (BCL_{GW}).

Organic Compounds. The few organic compounds detected during the 5th groundwater monitoring event are as follows:

- alpha-BHC was detected in samples collected from wells DBMW-9 and DBMW-11 at relatively low concentrations (maximum detection 0.16 µg/L at DBMW-11). MCLs have not been established for this constituent. The detections (0.12 µg/L and 0.16 µg/L) were well below the 3.1 µg/L VI SL, but exceed the 0.011 µg/L BCL_{GW}.
- Acetone was detected in the sample from DBMW-10 at a reported concentration of 2.1 µg/L. An MCL has not been established for this compound. The detection was well below the 220,000 µg/L VI SL and the 5,475 µg/L BCL_{GW}.
- Chloroform was detected in samples from all of the wells; the highest detection was 410 µg/L (DBMW-11). Two of the detections (140 µg/L at DBMW-9 and 410 µg/L at DBMW-11) were higher than the MCL and VI SL (80 µg/L each), and all of the reported detections were higher than the 0.17 µg/L BCL_{GW}.
- Tetrachloroethene (PCE) was detected in a sample from POD2 at a reported concentration of 1.8 µg/L. The detection was below the MCL and VI SL (5 µg/L each), but was higher than the 0.1 µg/L BCL_{GW}. The reporting limits for the other samples were higher than the BCL_{GW} and it cannot be determined whether PCE is present in these samples at concentrations in excess of the BCL_{GW}; however the reporting limits were adequately low for evaluation against the other comparison~~screening~~ levels such that exceedances, if any, would have been reported.

- Toluene was detected in a sample from DBMW-9 at a reported concentration of 0.14 µg/L. The detection was well below the 1,000 µg/L MCL, the 1,500 µg/L VI SL, and the 2,281 µg/L BCL_{GW}.

No other organic chemicals were detected in these monitoring wells. The reporting limits for most of the analytes in these samples were sufficiently low such that concentrations in excess of the comparison~~screening~~ levels, if present, would be detected. The exceptions are as follows:

Constituent	Reporting Limit	Comparison~~Screening~~ Level of Concern[37]
Acetaldehyde	30 µg/L	1.7 µg/L BCL_{GW} adequately low for VI SL; no MCL
Formaldehyde	60 µg/L	1.5 µg/L BCL_{GW} no VI SL; no MCL
1,2-Diphenylhydrazine	1 µg/L	0.084 µg/L BCL_{GW} no VI SL; no MCL
3,3-Dichlorobenzidine	1 µg/	0.15 µg/L BCL_{GW} no VI SL; no MCL
Azobenzene	1 µg/L	0.1 µg/L BCL_{GW} no VI SL; no MCL
Benzo(a)anthracene	1 µg/L	0.092 µg/L BCL_{GW} no VI SL; no MCL
Benzo(a)pyrene	1 µg/L	0.2 µg/L MCL; 0.0092 µg/L BCL_{GW} no VI SL
Benzo(b)fluoranthene	1 µg/L	0.092 µg/L BCL_{GW} no VI SL; no MCL
Benzo(k)fluoranthene	1 µg/L	0.92 µg/L BCL_{GW} no VI SL; no MCL
bis(2-Chloroethoxy)methane	1 µg/L	0.0045 µg/L VI SL no MCL; no BCL_{GW}
bis(2-Chloroethyl)ether	1 µg/L	0.0098 µg/L BCL_{GW} adequately low for VI SL; no MCL
bis(2-Chloroisopropyl)ether	1 µg/L	0.27 µg/L BCL_{GW} adequately low for VI SL; no MCL
Dibenzo(a,h)anthracene	1 µg/L	0.0092 µg/L BCL_{GW} no VI SL; no MCL
Hexachloro-1,3-butadiene	1 µg/L	0.33 µg/L VI SL; 0.86 µg/L BCL_{GW} no MCL
Hexachlorobenzene	1 µg/L	0.042 µg/L BCL_{GW} adequately low for VI SL and MCL

[37] This table lists only those screening levels that are lower than the standard reporting limit.

Constituent	Reporting Limit	Comparison~~Screening~~ Level of Concern[37]
Indeno(1,2,3-cd)pyrene	1 µg/L	0.092 µg/L BCL_{GW} no VI SL; no MCL
n-Nitrosodi-n-propylamine	1 µg/L	0.0096 µg/L BCL_{GW} no VI SL; no MCL
Pentachlorophenol	2 µg/L	1 µg/L MCL; 0.56 µg/L BCL_{GW} no VI SL
1,1,2,2-Tetrachloroethane	0.27 µg/L	0.055 µg/L BCL_{GW} adequately low for VI SL; no MCL
1,2,3-Trichloropropane	0.22 µg/L	0.034 µg/L BCL_{GW} adequately low for VI SL; no MCL
1,2-Dibromo-3-chloropropane	0.48 µg/L	0.2 µg/L MCL; 0.00064 µg/L BCL_{GW} adequately low for VI SL
1,2-Dichloroethane	0.18 µg/L	0.12 µg/L BCL_{GW} adequately low for VI SL and MCL
2-Nitropropane	0.034 µg/L	0.0012 µg/L BCL_{GW} adequately low for VI SL; no MCL
Chlorodibromomethane	0.17 µg/L	0.13 µg/L BCL_{GW} no VI SL; adequately low for MCL
Tribromomethane	0.27 µg/L	0.0083 µg/L VI SL adequately low for BCL_{GW} and MCL
Trichloroethene	0.11 µg/L	0.028 µg/L BCL_{GW} adequately low for VI SL and MCL
Vinyl chloride	0.13 µg/L	0.084 µg/L BCL_{GW} adequately low for VI SL and MCL

For these constituents it cannot be determined whether they are present in Site groundwater at concentrations greater than the comparison~~screening~~ levels noted above.

Inorganic Compounds. Inorganic compounds were routinely detected in the ground water samples. It should be noted that many of these constituents are naturally-occurring in ground water, and the extent to which the detections represent background conditions was not evaluated for this SAP. The following constituents were detected at concentrations above their respective MCLs and BCL_{GW}[38] as summarized below:

- Chloride is higher than the 250 mg/L MCL in samples collected from all of the wells except AA-18; the maximum reported concentration was 1,880 mg/L (DBMW-11).

[38] VI SLs have not been established for inorganic constituents.

- Chlorine is higher than the 3.7 mg/L BCL_{GW} in samples collected from all of the wells; the maximum reported concentration was 3,760 mg/L (DBMW-11).

- Nitrate is higher than the 10,000 mg/L MCL and BCL_{GW} in samples collected from all of the wells; the maximum reported concentration was 24,300 mg/L (DBMW-11).

- Perchlorate was higher than the USEPA Drinking Water Equivalent Level and BCL_{GW}[39] (24.5 µg/L and 18 µg/L, respectively) in samples collected from all of the wells; the maximum detection was 3,690 µg/L (POD2).

- Sulfate is higher than the 250 mg/L MCL in samples collected from all of the wells; the maximum reported concentration was 3,120 mg/L (DBMW-11).

- Aluminum is higher than the 50 µg/L MCL in samples collected from wells AA-18 and DBMW-9 (maximum detection 388 µg/L at DBMW-9). The reporting limits for the other samples were elevated above the MCL, and it is unknown whether aluminum is also present at these locations at concentrations above the MCL.

- Arsenic is higher than the 10 µg/L MCL and 0.045 µg/L BCL_{GW} in samples collected from wells AA-18, DBMW-9, and DBMW-10; the highest concentration is associated with DBMW-9 (59.5 µg/L). The reporting limits for the other two samples were elevated above the MCL or BCL_{GW}, and it is unknown whether arsenic is also present at these locations at elevated concentrations.

- Hexavalent chromium is higher than the 110 µg/L BCL_{GW} in the sample collected from well POD2 (150 µg/L).

- Lithium is higher than the 73 µg/L BCL_{GW} in the samples collected from wells AA-18 (87.5 µg/L) and DBMW-11 (589 µg/L). The reporting limits for the samples from the other wells were elevated above the BCL_{GW}, and it is unknown whether lithium is also present at those locations at elevated concentrations.

- Uranium is higher than the 30 µg/L MCL in the sample collected from well POD2 (56.7 µg/L).

[39] An MCL has not been established for this constituent.

- Radium-226 is higher than the 0.00082 pCi/L BCL_{GW} in the samples collected from wells DBMW-9 (2.4 pCi//L), DBMW-11 (0.41 pCi//L), and POD2 (4.59 µg/L). The reporting limits for the samples from the other wells were elevated above the BCL_{GW}, and it is unknown whether radium-226 is also present at those locations at elevated concentrations.

- Radium-228 is higher than the 0.046 pCi/L BCL_{GW} in the samples collected from wells DBMW-9 (0.769 pCi//L), DBMW-11 (1.05 pCi//L), and POD2 (1.03 µg/L). The reporting limits for the samples from the other wells were elevated above the BCL_{GW}, and it is unknown whether radium-228 is also present at those locations at elevated concentrations.

- Radium-226/228 is higher than the 5 pCi/L MCL in the sample collected from well POD2 (5.62 pCi /L).

- Thorium-230 is higher than the 0.52 pCi/L BCL_{GW} in the sample collected from well DBMW-11 (0.794 pCi /L).

- Uranium-233/234 is higher than the 0.66 pCi/L BCL_{GW} in the samples collected from all of the wells. The maximum reported concentration was 25.6 pCi/L (POD2).

- Uranium-235/236 is higher than the 0.66 pCi/L BCL_{GW} in the samples collected from wells DBMW-9 (0.904 pCi//L), DBMW-11 (0.548 pCi//L), and POD2 (0.999 µg/L).

- Uranium-238 is higher than the 0.55 pCi/L BCL_{GW} in the samples collected from all of the wells. The maximum reported concentration was 19.2 pCi/L (POD2).

- Total Dissolved Solids (TDS) is higher than the 500 mg/L MCL in samples collected from all of the wells; the maximum reported concentration was 7,250 mg/L (DBMW-11).

It should be noted that reporting limits for several analytes in addition to those noted above were routinely higher than the MCLs or BCL_{GW} (*i.e.*, antimony, iron, phosphorus, thallium, and thorium-228), and it cannot be ascertained if these constituents are present in Site groundwater at concentrations greater than those comparison~~screening~~ levels.

Chemical occurrence in both the shallow and deep water-bearing zones beneath the Eastside and Corrective Action Management Unit (CAMU) areas is currently being characterized under a process separate from the Closure Plan process under which this SAP has been prepared, which focuses on site soils. A more detailed presentation of chemical occurrence patterns within these water-bearing zones (including comparisons to background conditions) and an assessment of the

potential health risks will be provided upon completion of the on-going groundwater investigation, and the CSM for the Eastside and CAMU areas will be updated accordingly.

3.0 DATA QUALITY OBJECTIVES

The DQO process is a seven-step iterative planning approach used to prepare plans for environmental data collection activities. It provides a systematic approach for defining the criteria that a data collection design should satisfy, and covers: problem definition; when, where, and how to collect samples or measurements; determination of tolerable decision error rates; and the number of samples or measurements that should be collected. DQOs define the purpose of the data collection effort, clarify what the data should represent to satisfy this purpose, and specify the performance requirements for the quality of the data to be obtained. The DQO process, as defined by USEPA's *Guidance on Systematic Planning Using the Data Quality Objectives Process, EPA QA/G-4* (USEPA 2006), consists of 7 steps:

Step 1 - State the Problem;

Step 2 - Identify the Goal of the Study;

Step 3 - Identify Information Inputs;

Step 4 - Define the Boundaries of the Study;

Step 5 - Develop the Analytical Approach;

Step 6 - Specify Performance or Acceptance Criteria; and

Step 7 - Develop the Plan for Obtaining Data.

A general overview of USEPA and NDEP's 7-step DQO process is provided in the Closure Plan. The key decision inputs to the DQO process, namely the Step 2 Principal Study Questions (PSQs), are also provided in the Closure Plan. The PSQs are the central Eastside Area-wide questions that provide a basis for the overall closure effort. Per discussions with the NDEP, the other steps of the DQO process are to be addressed, on an Eastside Area sub-area basis (for soils), in the respective sub-area SAPs. Steps 1 through 5 of the DQO process are described below for this Site. Implementation of DQO Steps 6 and 7 is described in the Statistical Methodology Report, which presents the statistical approach to sample design for the Eastside Area sub-areas soils investigations.

3.1 STATE THE PROBLEM (STEP 1)

The first step in the DQO process is to define the problem that initiated the study in such a way that the focus of the study is unambiguous. This section provides the following information: a summarization of the problem being addressed; identification of the assessment team; identification of the key decision-makers and stakeholders; and a presentation of the schedule.

3.1.1 Problem Statement

As presented in the Closure Plan, the Site includes open land that has been modified to accept wastewater discharges from the BMI Complex through various trenches and evaporation ponds from 1942 through 1976. Currently, the approximately 283.3-acre Site includes former unlined disposal ponds and effluent conveyance ditches associated with historical BMI Complex operations. The industrial activity on this Site may have resulted in concentrations of chemicals that drive unacceptable human health risk. Residual contamination remains at the Site as a consequence of these discharges. The goal of this work is to remediate the Site such that chemical concentrations in all relevant media do not pose an unacceptable risk to human health and the environment under current and future land use scenarios. The problem that needs to be addressed is one of returning at least the upper 10 feet of soils at the Site to conditions that pass a human health risk assessment, with restrictions on access to deeper soils and on the use of groundwater. Risk assessment at the Site includes exposure to soils, but also exposure to VOCs and radon, which might emanate from the vadose zone or from groundwater. A further consideration is the potential for leaching contaminants into groundwater.

The Site is currently vacant. The potential on-site and off-site receptors are currently trespassers/visitors, occasional on-site workers, and off-site residents. Risks to current receptors are being managed through Site access control. Under the current, prospective redevelopment plan, the Site will be used for residential land use (primarily low and medium density, with some high density) with parks and trails, school, retail/commercial and urban core, with associated roads and parking areas interspersed. Consequently, receptors that are considered for this problem include construction workers, residents (adult and child), maintenance workers, and trespassers. The potentially exposed populations for the Site and their potential routes of exposure are presented on Figure 8 and are summarized in Section 9 of the Closure Plan.

As described in the Closure Plan and in the Statistical Methodology Report, remediation for all media will be to risk-based levels protective of human health and the environment under current and future land use scenarios. The problem will be addressed through iterative remediation until

sufficient remediation (removal of soil) has been performed that acceptable human health risks have been attained. The final site conditions will include regrading of on-site soils, so that the future surface will not consist of the same soil as the current surface. Imported fill material may or may not be needed, including fill from other Sites. The grading plan for this Site is presented on Figure 4.

Although the primary focus is human health risk assessment for residential and commercial use scenarios, secondary issues that will be addressed include contamination of deeper soils and groundwater beneath the Site. BRC will also discuss the issue of off-Site transport of contaminants with the NDEP should the NDEP determine that this is necessary, maintaining consistency with the AOC3. However, because remediation of the Site will be to on-site residential standards, risks to off-site receptors are expected to be minimal.

3.1.2 Proposed Assessment Team

A multi-disciplinary approach is being and will be followed with participation by qualified geologists, chemists, radiochemists, hydrogeologists, biologists, ecologists, engineers, remediation specialists, toxicologists, risk assessors (human health and ecological), statisticians, field sampling personnel, community relations personnel, risk communications specialists, project developers, and project managers. BRC maintains an active roster of key team members, which will be periodically updated as appropriate throughout the project term. Key team members are identified in Section 1.4 of the Closure Plan.

3.1.3 Key Decision Makers and Stakeholders

The NDEP is the primary and the ultimate decision-maker for the project. Stakeholders include BRC, the City of Henderson, Clark County, the State of Nevada, the United States Government, the local public, site developers, and other interested persons.

3.1.4 Schedule

BRC has established a phased schedule for the Eastside Area such that the various sub-areas are addressed sequentially. The timing of the phased closures is closely spaced to avoid potential complications associated with the presence of contaminated soils near areas that have been successfully remediated and closed and to mitigate potential impacts on adjacent residential housing development.

Surface and shallow soil data will be used to evaluate both current (post-remediation, pre-development) and future (post-development) exposures and risks. Once these data have been collected and preliminary risk calculations have been completed, BRC will determine whether the acceptable chemical concentrations and/or risk levels defined for the Site have been attained and will discuss this determination with the NDEP. If it is determined that acceptable risk levels have not been attained, BRC will perform additional remediation activities consistent with the ~~*Corrective Action Plan* (~~CAP (~~;~~ BRC 2006), and will repeat the assessment process until risk-based goals are achieved. Each iterative remediation and data collection process is expected to take place over a one to two month period, but may extend into a slightly longer period.

3.2 IDENTIFY THE GOAL OF THE STUDY (STEP 2)

The purpose of this step is to define the Site-specific PSQs that need to be resolved in order to address the problem identified in Step 1, and to identify alternative actions that may be taken, depending on the answers to the PSQs. As noted above, the project PSQs are presented in the Closure Plan. The primary PSQ associated with this SAP is:

> Are the current (post-remediation, pre-development) and future (post-development) incremental risks to human health or the environment from exposure to Site soil and soil vapor flux sufficiently low that they are acceptable?

If the incremental risks are not sufficiently low, then reasonable further action will be taken; otherwise, no further action will be taken and a risk assessment report will be prepared. Secondary PSQs deal with groundwater quality in the context of the overall site, and on the impact of site contamination on off-site human receptors. Ecological risk assessment issues will be discussed with the NDEP should NDEP determine that an ecological risk assessment is warranted.

The following fundamental assumptions apply:

1. The PSQs will be assessed only after BRC has determined that achievement of Site cleanup goals is expected for Site soils.[40] Cleanup goals for the project are defined in Sections 1.1 and 9.1.1 of the Closure Plan and in the Statistical Methodology Report. The data pool employed

[40] The existing historical data suggest that some remediation may be needed to attain cleanup goals; however, the need for remediation will be properly evaluated on the basis of data collected under this SAP, in accordance with the approved risk assessment methodology in the Closure Plan.

in the risk assessment will comprise only those data collected in accordance with this SAP,[41] after remediation activities have been performed during the closure process, if such remediation occurs.

2. The data used in PSQ assessment will undergo a rigorous Quality Assurance/Quality Control (QA/QC) review prior to that assessment, in accordance with the procedures described in the *BRC Quality Assurance Project Plan* (QAPP; BRC and ERM 2009~~2008~~). Only those data determined as a result to be suitable for use will be included in the closure data pool. Furthermore, the adequacy of the data pool will be evaluated following the procedures provided in Section 9.3 of the Closure Plan. If found to be inadequate, additional sampling and analysis may be performed.

Stated another way, the decision is to determine whether or not Site conditions[42] result in acceptable human health risks and environmental risks for future land uses. This will be determined through human health risk assessment for potential future on-site receptors. Potential alternative actions (from the Closure Plan) that may be taken include: (1) No Action (in this context No Action means no additional action beyond removal of contaminated soils presently located on Site), (2) institutional controls/limited action, (3) importation and use of clean fill (on-site capping of soils), and (4) excavation of soils and on-site landfill disposal at the project CAMU.

How the study decisions will be determined for the Site, including how the risk assessment will be performed, is presented in the Closure Plan.

3.3 IDENTIFY INFORMATION INPUTS (STEP 3)

The purpose of this step is to identify the information needed to resolve the PSQs identified in Step 2. The data inputs for the primary PSQ are listed below. Risk assessment will be the primary means of answering the PSQs, and will incorporate the various data inputs listed below. These data inputs either 1) are already established, as presented in this SAP or the Closure Plan,

[41] Data collected prior to SAP approval that might also be representative of Site conditions will not be included in the risk assessment; however, a data usability evaluation will be conducted to determine whether any of the historical data can be used in Site risk assessment, or it will be explained why the new data supplants the old data. However, the historical data may be used to help develop the CSM for both this Site and the overall Eastside.

[42] "Site conditions" in the context of this sentence refers to those conditions assessed after performing any excavation of impacted soils and disposing of them outside the Site, if such actions are determined necessary during the Site characterization activities planned under this SAP.

2) will be obtained during the soil and soil vapor flux sampling programs specified in this SAP, or, 3) currently exist as data gaps that will be resolved prior to performing risk assessment. A comprehensive list of the necessary data inputs for addressing the primary PSQ is provided below.

- Input parameters for human health risk assessment and assessment of impacts to groundwater considering relevant exposure pathways associated with potential future land uses.
- Toxicity inputs parameters consistent with current NDEP guidance (BCL_{RS}, NDEP 2009b).
- Input parameters for all fate and transport models (see Closure Plan and data to be collected as determined by this SAP).
- Site soil and soil vapor flux characterization data[43] collected according to this SAP.
- Identified locations/depth intervals, including elevations to adjust for use of fill material and regrading.
- Characterization data for imported fill if such fill is considered for use at the Site. At this point, it is not known whether imported fill materials will be used on Site.
- To address the secondary PSQs, soil data from depths greater than 10 feet bgs, and groundwater data will be used to address issues related to further understanding of vadose zone and groundwater contamination beneath the Site.

3.4 DEFINE THE BOUNDARIES OF THE STUDY (STEP 4)

The purpose of this step is to define the aspects of the project that affect the decision making process, including:

- The populations to be sampled;
- The geographical area applicable for decision making;
- Temporal boundaries for decision making;

[43] To be collected as determined by this SAP in accordance with the most recent NDEP-approved version of Standard Operating Procedure 16 (BRC, ERM and MWH, 2008)

- Any practical constraints that may interfere with data collection; and
- The scale for decision-making purposes.

Each of these portions of this step is presented below.

3.4.1 Sample Populations

Several target populations will be sampled for this project, including: surface and near-surface soils (*i.e.*, less than 10 feet bgs); subsurface soils (*i.e.*, greater than 10 feet bgs); groundwater; and, soil vapor flux. These populations were segregated based on their differences in media type and pathways for potential human residential exposure following redevelopment. For this project, samples will be collected for surface and near-surface soils and soil vapor flux to address the primary PSQ via human health assessment, and for cumulative risk across these media types and associated pathways. Samples will be collected for subsurface soils and groundwater to address the secondary PSQs.

3.4.2 Spatial Boundaries

The spatial boundaries of interest for the risk assessment are the spatial extent of the Site boundary to a depth of 10 feet bgs or deeper if construction activities are below this level. However, impacts to receptors exposed to these soils can also occur from vapor intrusion from the deeper vadose zone and groundwater. Consequently, the vertical extent of the Site that encompasses vadose zone and groundwater is of interest. Based on expected land use, construction activities are not expected to occur at depths greater than 10 feet bgs.

Note that more than one set of surface spatial boundaries could ultimately be identified. For example, data may need to be grouped for sub-areas within the Site in order to appropriately address the decision units (*e.g.*, exposure areas). These spatial boundaries might be important if residual contamination varies across the Site either in the surface soils or by depth.

Because sub-areas within the Eastside are adjacent to each other, to assess or avoid potential impacts from other Site sources, risk assessment could be performed across Site boundaries, and/or adjacent Sites will be remediated in the same general time frame. To some extent this will depend on the spatial homogeneity of concentrations once remediation has been performed. Future remediation at adjacent Sites will involve dust suppression and storm water pollution prevention activities, mitigating potential impacts from cross-contamination.

3.4.3 Temporal Boundaries

The temporal boundaries of interest for this project are defined by the timeframe associated with decision making for each spatially distinct region of interest. Specifically, for each different land-use scenario, within each decision or exposure unit, both current and potential future risk needs to be considered and quantified. The time frame over which future risks will be evaluated can be regarded as indefinite, implying that future land uses must satisfy institutional constraints placed on the site now, or a new risk assessment will need to be performed. Specific issues for each medium are described below.

Surface Soil

The surface soil concentrations used in the risk assessment will be derived from existing soil conditions (that is, established during the characterization activities performed in accordance with this SAP). BRC assumes that these will reflect the concentration distribution for the project lifetime, and those data will be relied upon throughout the redevelopment process and for assessing risks under current and future land use scenarios. The timeframe for data collection, assessment, and decision-making will be from one to three months for surface soils. These soil data will be used to evaluate both current (post-remediation, pre-development) and future (post-development) exposures and risks.

Subsurface Soil and Groundwater

As noted, BRC does not expect that subsurface soils (generally greater than 10 feet bgs) will be an issue from a human exposure standpoint. However, subsurface soils will be sampled in order to determine potential impacts to groundwater in accordance with the secondary PSQ relating to the deeper vadose zone and groundwater in the context of the entire Site. These subsurface soil data will be used to evaluate both current (post-remediation, pre-development) and future (post-development) impacts to groundwater. Data to support the evaluation of potential impacts to groundwater will be collected. These data will be collected to support the migration to groundwater calculations included in the Closure Plan, as well as more refined modeling tools (such as, VLEACH, SESOIL, and PESTAN). Any indirect impacts from underlying groundwater will be addressed via the proposed surface flux measurements.

Soil Vapor Flux

The soil vapor fluxes used in the risk assessment will be derived from soil vapor flux data associated with existing soil and groundwater conditions (that is, data collected~~established~~ during

the characterization activities performed in accordance with this SAP). BRC assumes that these will reflect the soil vapor flux distribution for the project lifetime, and those data will be relied upon throughout the redevelopment process and for assessing risks under current and future land use scenarios. The timeframe for data collection, assessment, and decision-making will be from one to three months for soil vapor flux. These soil vapor flux data will be used to evaluate both current (post-remediation, pre-development) and future (post-development) exposures and risks.

3.4.4 Practical Constraints for Data Collection

Since the Site is currently unoccupied, there are no access constraints for collecting soil or soil vapor flux samples from BRC's property as specified in this SAP. For groundwater (which is not part of this SAP), additional and/or routine sampling activities (such as groundwater sampling from monitoring wells) may be required following redevelopment. However, these constraints do not apply to the situation associated with this SAP and will be dealt with at a later time.

3.4.5 Scale of Decision-Making

The scale for decision-making regarding the primary PSQ varies based on the target sample population of interest. Redevelopment of the Site following remediation includes significant changes in land uses, including residential housing. Other potential development interests in addition to residential housing include commercial buildings, schools, parks, and trails (see Figure 3). However, the final redevelopment plans for the Site have not been completed and may change depending upon the results of post-remediation sampling. To facilitate the redevelopment of the Site with the fewest practical constraints due to residual contamination, the nominal scale for decision-making for the proposed residential exposure scenario will be consistent with a typical residential lot size, which is 1/8th acre. However, if, as expected, the concentration distribution across the Site is statistically homogeneous representing a single population of concentrations for each chemical, then the decision unit will be the entire Site. Smaller decision units will only be defined if the spatial distribution of concentrations suggests the need to break the Site into smaller areas for risk-based decision-making. The same approach will be used for soil vapor flux, subsurface soils and groundwater as they feed into the human health risk assessment.

3.5 DEVELOP THE ANALYTICAL APPROACH (STEP 5)

The purpose of this DQO step, as described in USEPA guidance, is to define the population parameter (*e.g.*, mean risk) of interest for each population (surface soil, etc.), identify the

appropriate action level (target risk level) for each population, and select measurement and analysis methods that can be used to properly evaluate the parameters against the action levels (*i.e.*, ensure detection limits do not exceed action levels, etc.). Once these actions are completed, decision rules (if-then statements) are developed for each population that state the alternative actions that would be taken depending upon the true value of the parameter relative to the specified action levels.

The PSQ-specific decision rules for the Site are presented below.

- If, after confirmation sampling conducted per the Closure Plan and this SAP, and subsequent risk assessment following procedures per the Closure Plan, it is deemed that the risk goals for the project (as discussed in Section 1 of the Closure Plan) are not met, then remediation per Alternative (4) (excavation of soils and on-site landfill disposal at the project CAMU) listed in Section 3.2 will be conducted to satisfy the risk goals. The risk assessment methodology for the project is presented in Section 9 of the Closure Plan.

- If, after implementation of the Decision Rule above it is determined that there are specific locations at the Site for which additional and continued remediation will not be practical or effective, then other alternatives such as Alternative (2) and Alternative (3) (institutional controls/limited action, and importation and use of clean fill) identified in Section 3.2 will be evaluated considering overall protection, effectiveness, permanence, implementability, cost, regulatory acceptance, and community acceptance.

- If, after implementation of the Decision rule above it is determined that no further action needs to be taken in the top 10 feet of soils, a proposal for NFAD will be made. This proposal will be made only after consultation with NDEP.

Data for the secondary PSQs (deeper soils and groundwater) will be evaluated for obvious issues that might require immediate action, and will be included in analysis of objectives related to the groundwater program for the entire Site.

4.0 SCOPE OF WORK

Other than the removal of debris found on the Site, no remediation is proposed prior to the sampling activities specified in this SAP. Decisions regarding the need for remediation will be based on the initial data to be collected in accordance with this SAP as discussed in this section.

The risks posed to human health and the environment by chemicals remaining in Site soils will be assessed in accordance with the Risk Assessment Methodology provided in the Closure Plan. If this assessment indicates that risk-based cleanup goals established for the Site have not been met, additional phases of remediation, sampling/analysis and assessment will be performed as discussed in the CAP and the Closure Plan. Development may only proceed after attainment of acceptable risk levels under the future planned land uses – *i.e.*, after obtaining the NFAD from the NDEP.

The following is the proposed scope of work for investigating the Site and meeting the SAP objectives. Much of the discussion below regarding confirmation soil sampling is taken from the Statistical Methodology Report.

4.1 INITIAL CONFIRMATION SOIL SAMPLING

As per the Statistical Methodology Report, the initial confirmation sampling in the Site will be conducted on the basis of combined random and biased (judgmental) sampling, as follows:

- **Stratified Random Locations:** For this purpose, the Site is covered by a 3-acre cell grid network. Within each 3-acre cell, a sampling location is randomly selected. Sampling locations are randomly selected within both full and partial grid cells if they are greater than 50 percent of the total grid cell area (based on the project-wide grid cell network and the Site boundaries; those partial grid cells that contain less than 50 percent of their area within the Site will be included in the adjacent sub-area SAPs). The main objective of this stratified random sampling is to provide uniform coverage of the Site.

- **Biased Locations:** Additional sampling locations are selected within or near small-scale contamination points of interests, including but not limited to previous debris locations, ponds, berms, and ditches. For this purpose, the randomly selected location within a corresponding 3-acre cell may also be adjusted in order to cover a nearby point of interest.

A reconnaissance of the Site was performed in December 2008 to check the Site for environmentally significant features such as debris piles or stained soil. Results of this site

reconnaissance are shown in Table 3. Certain biased sampling locations for the Site were based on the outcome of this reconnaissance. Five debris piles were observed during the site reconnaissance. Biased sampling locations were located at each of the five observed debris piles/soil staining. A final reconnaissance will be performed prior to sampling to check for any additional environmentally significant features since the initial reconnaissance. If found, these additional features will also be sampled. Biased sampling will also be conducted along the lengths of the former conveyance ditches on the Site, at an approximate 200-foot linear spacing. Additional biased sampling locations were placed so that each pond had at least one sample located within it, and that the pond berms also had an adequate number of samples. In all, the proposed sampling locations address each of the current land uses as follows:

Land Use	Number of Samples
Former Pond	85
Pond Berm	48
Conveyance Ditch	21
Debris/Other/Unused Land	18

Figure 9 and accompanying Table 4 show the random and biased discrete sampling locations that are proposed to be collected within the Site.

At each selected location, multi-depth soil samples will be collected and analyzed for the project SRC list as follows. Proposed sample depths are 0 (surface) and 10 ft bgs at each sampling location. In addition, sample locations with grading greater than two ft bgs will also be sampled at the anticipated post-grading soil surface. Additionally, at three sample locations, within unremediated ponds in the west, central, and east portions of the Site, soil physical parameter data will be collected at 20 feet and every subsequent 10 feet within unsaturated soils above the capillary fringe until groundwater is reached or 50 feet deep, whichever is shallower.

Samples will be collected at:

1. Existing surface (0 ft bgs) and 10 ft bgs for sample locations in relatively flat (un-graded) locations;

2. Existing surface (0 ft bgs), post-grading surface, and post-grade 10 ft bgs for sample locations with substantial grading (that is, cut depths greater than two feet[44]) and the uppermost sampled soil is expected to be used as surface fill;

3. Existing surface (0 ft bgs) and 10 ft bgs for sample locations with minimal grading (that is, cut depths less than two feet) and the uppermost sampled soil is expected to be used as surface fill; and

4. Existing surface (0 ft bgs) and 10 ft bgs for sample locations in an area expected to be covered by fill material.

The analytical sample results will then be divided into surface (0-2 ft depth), subsurface (2 ft -10 ft depth), and deep (>10 ft depth) layers, according to the following rules:

- **Rule 1: IF** the sample is collected in a relatively flat (un-graded) part of the Site (*i.e.*, an area not targeted for substantial grading), **THEN** the depth of the collected soil sample will be used to designate its soil layer grouping.

- **Rule 2: IF** the sample is collected in a part of the Site targeted for substantial grading, **AND** the sampled soil is located in an area expected to be covered by fill material (*e.g.*, exposed excavated surfaces of ponds), **THEN** the current surface soil sample will be classified as a surface (0-2 ft depth) sample, and the soil layer grouping of the remaining deeper sampled soil will be determined based on the difference between its elevation and the final (post-graded) surface elevation in that part of the Site.

- **Rule 3: IF** the sample is collected in a part of the Site targeted for substantial grading, **AND** the sampled soil is expected to be used as surface fill (*e.g.*, soil within a berm) **AND** the cut depth is expected to be greater than two feet, **THEN** the current surface soil sample will be classified as a fill material sample, a final (post-graded) surface sample will be classified as a surface (0-2 ft depth) sample, and the soil layer grouping of the remaining deeper sampled soil will be determined based on the difference between its elevation and the final (post-graded) surface elevation in that part of the Site.

- **Rule 4: IF** the sample is collected in a part of the Site targeted for substantial grading, **AND** the sampled soil is expected to be used as surface fill (*e.g.*, soil within a berm) **AND** the cut

[44] Because sample collection will be over a two to three foot depth interval, sample locations with an anticipated cut depth less than three feet will only be sampled at the surface and one post-grade subsurface depth.

depth is expected to be less than two feet, **THEN** the current surface soil sample will be classified as both a fill material sample and as a surface (0-2 ft depth) sample, and the soil layer grouping of the remaining deeper sampled soil will be determined based on the difference between its elevation and the final (post-graded) surface elevation in that part of the Site.

A schematic example of these rules is shown on Figure 10. The current site grading plan is shown on Figure 4. It should be noted that this is the most current plan available, but not necessarily the final grading plan. The sample-specific collection depths are presented in Table 4.

All soil samples will be tagged in the database with numeric designations of their corresponding assigned soil layer grouping based on these rules. Initially, 401 soil samples will be collected from 172 soil boring locations (not including deep samples to be collected for soil physical parameter data). This includes 92 random and 80 biased sample locations; with the following number of samples representing each post-grade type of soil:

Post-Grade Sample Type	Number of Samples[45]
Fill material	106
Surface soil	229
Subsurface soil	172

It should be noted that, as discussed with NDEP, once a particular sub-area receives an NFAD from the NDEP, the cut material that is slated to be used as fill material elsewhere would not require additional testing. However, the chemical data for this fill material may be useful for evaluating sub-areas to receive fill (for example, if there is deeper contamination).

4.2 INTERMEDIATE SAMPLING AND CLEANUP

Upon layer-designation of confirmation soil samples, a series of tests will be conducted to determine whether sampled locations within a given layer include "exceeding" samples. An

[45] Note that in some cases a soil sample may be considered both a fill sample and a surface sample (as indicated in Table 4). Therefore, the sum of the number of samples indicated for each post-grade sample type does not necessarily equal the total number of samples collected.

exceeding sample is one that warrants further investigation, which may include localized soil removal. Exceeding samples will be defined consistent with the following rules:

- **Chemicals without background concentrations:** For chemicals without corresponding background distributions, the distribution of its reported concentrations in each layer will be constructed. The 95 percent upper confidence limit (UCL) of these distributions will also be computed. **IF** the constructed distribution indicates the presence of anomalous concentrations (*e.g.*, high values at the end of an elongated tail of a uni-modal distribution, or values forming an elevated sub-population of a multi-modal distribution), **AND** the inclusion of these anomalous values causes the computed UCL to exceed 1/10 of the risk-based screening level of the chemical, **THEN** samples associated with anomalous values will be considered as potential exceeding samples. **IF** the constructed distribution indicates no presence of anomalous concentrations and the computed UCL exceeds 1/10 of the risk-based screening level of the chemical, **THEN** all samples associated with the layer will be considered as potential exceeding samples.

- **Chemicals with background concentrations:** For chemicals with corresponding background distributions, the distribution of its reported concentrations in each layer will be constructed. These concentration distributions will then be statistically compared to the background concentration distributions. Appropriate two-sample tests, including Quantile test, Slippage test, *t*-Test and the Wilcoxon rank sum test with Gehan modification, will be used to identify exceeding samples through comparison of Site and background distributions. **IF** inclusion of elevated measured values in a given layer causes the rejection of the appropriate two-sample test, **THEN** samples associated with such elevated values will be considered as potential exceeding samples.

Areas with potential exceeding samples may be subjected to re-sampling prior to the confirmation of the location as an exceeding sample. After any such re-sampling, the above process will be repeated to confirm the exceeding status of the targeted sample location. It should be noted that if the data indicate a more widespread or Site-wide contamination, then it might be important to look at the effect on a sub-area basis rather than a sample basis. That is, additional alternatives, such as, changing the future land use, further division into smaller sub-areas, or more extensive remediation, would need to be considered and evaluated.

Upon confirmation of an exceeding sample, additional neighboring delineation sampling will be conducted based on a “step-out” approach. Step sizes and directions will be dependent on the location of the exceeding sample and perhaps the magnitude of the exceedance. Additional

biased step-out or step-in sampling may be conducted to further refine the extent of the required removal. Each removal will be followed by confirmatory sampling. More detail on this approach is provided in the Statistical Methodology Report.

After the above intermediate removals, results associated with removed exceeding samples will be marked as excluded from the dataset, while non-exceeding delineation and confirmation data will be included in the dataset. The revised dataset will then be subjected to the above exceeding sample determination process, which will be repeated until all exceeding samples are adequately addressed.

4.3 FINAL CONFIRMATION DATASET

At this stage, the final confirmation soil dataset for the Site, consisting of: 1) the original non-exceeding confirmation data collected in accordance with this SAP[46] for the Site; 2) the non-exceeding data generated after intermediate sampling and cleanup, and 3) additional biased and random samples collected for confirmation, will be subjected to a series of statistical analyses in order to determine representative exposure concentrations for that sub-area, as described in the Statistical Methodology Report.

4.4 SOIL VAPOR FLUX SAMPLING

Concurrent with the confirmation soil sampling, BRC will implement soil vapor flux sampling across the Site. This SAP refers to and relies on the most recent NDEP-approved version of Standard Operating Procedure (SOP) 16 for technical description of sampling and analytical methodology, QA/QC protocols, and project procedural description. The sampling procedure for the effort includes the USEPA surface emission isolation flux chamber (flux chamber) and static chamber sampling to perform an air pathway analysis (APA) for the Site. A description of the history, background, and operation of the USEPA-recommended flux chamber and radon flux approach is provided in SOP-16.

The flux chamber sample collection rationale is based on the project goal of obtaining a representative dataset of air emissions per sub-area. Flux chamber samples will be collected from each of the 3-acre grid cells. Soil vapor flux sampling locations will coincide with a biased sampling location, if any, in a given cell; if none are present, the soil vapor flux sampling will be

[46] As distinguished from the historical "confirmation" sampling data collected as part of or immediately after the IRM, which will not be included in the risk assessment dataset.

performed at the grid-specific random sampling location. This approach results in 92 soil vapor flux sampling locations, indicated on Figure 9, providing full spatial coverage of the Site. All of the flux chamber samples will be tested for both VOC flux and radon flux, and this density of sample collection should be adequate for sub-area characterization given: the random nature of the sample locations, the size of the sub-area, and the number of sample locations suggested by the USEPA (1986) in the flux chamber User's Guide for assessing zones of homogeneous site properties. A higher density of sample collection for VOCs is not warranted given the general lack of VOC detections in soils and groundwater.

4.5 CHEMICALS SELECTED FOR ANALYSIS

The proposed analyte list for soil samples is comprised of the BRC project SRC list, as presented in the Closure Plan[47] and Table 5, with the following exceptions for this Site:

- Asbestos, dioxins/furans and PCBs will only be analyzed for in surface soil samples;
- Only acetaldehyde and formaldehyde will be analyzed for by USEPA Method 8315A (chloroacetaldehyde, dichloroacetaldehyde, and trichloroacetaldehyde removed based on the *Revisions to the Analyte List Technical Memorandum* approved by NDEP on October 16, 2008);
- The following metals will not be analyzed for: niobium, palladium, platinum, silicon, sulfur, and zirconium (removed based on the *Revisions to the Analyte List Technical Memorandum* approved by NDEP on October 16, 2008);
- Aroclors will be analyzed by USEPA Method 8082 only if the results of the analysis of total PCB congeners are greater than 33 ppb, which coincides with the standard reporting limit for this analysis;
- USEPA Method 8141A for organophosphorus pesticides will not be conducted. There have been only 47 detections of these compounds in over 10,000 soil sample records (<0.5 percent) from throughout the Eastside, and no detections in any of the soil samples collected within the Site;

[47] Specific analytes and analyte-specific reporting limits for each analysis are listed in Table 4 of the QAPP.

- USEPA Method 8151A for chlorinated herbicides will not be conducted. There have been no detections of these compounds in over 1,400 soil sample records from throughout the Eastside, including those associated with ten soil samples collected within the Site. Detection limits are below the BCL_{RS};

- HPLC Method for organic acids will not be conducted. There have been only three detections of these compounds in 567 soil sample records (<0.5 percent) from throughout the Eastside, including those associated with nine soil samples collected within the Site. Detection limits are below the BCL_{RS};

- USEPA Method 8015B for nonhalogenated organics will not be conducted. There have been only five detections of these compounds in 420 soil sample records (one percent) from throughout the Eastside. Of these, fifteen samples were collected within the Site; nonhalogenated organics were not detected in the Site samples. Detection limits and the few detections have been well below the BCL_{RS};

- USEPA Method 8015 for total petroleum hydrocarbons (TPH) will not be conducted. There have been only three detections of these compounds in over 299 soil sample records (one percent) from throughout the Eastside. Only one sample from the uppermost ten feet bgs was subjected to TPH analysis from the Site (Table B-10); TPH was not detected in that sample or in two others collected from greater depths in that boring (DBMW-9). The few detections have been below 100 mg/kg, which is the typical low-end aesthetic threshold used for these compounds. While TPH is not proposed for analysis, its components are via other methods. In addition, TPH cannot be included in a risk assessment while its components can; and

- Consistent with the current project analyte list, the following radionuclides will be analyzed for: radium-226, radium-228, thorium-228, thorium-230, thorium-232, uranium-233/234, uranium-235/236, and uranium-238. Activities for other radionuclides on the project SRC list may be back-quantitated; however, the main radionuclides listed above will likely provide information sufficient to perform a risk assessment. In addition, if the radionuclide activities are similar to background, then back-quantitation will be unnecessary and will not be performed.

The analyte list, as proposed in this SAP for the Site, consists of 307 of the 418 compounds (including water only parameters) on the project SRC list as well as physical parameters (Section 5.2.3) to support the evaluation of potential impacts to groundwater from migration of chemicals from soil. The analytical and preparatory methods used in accordance with this SAP adhere to

the most recent version of the QAPP (BRC and ERM 2009~~2008~~), which has been revised to ensure appropriate comparisons to the background dataset. The proposed analyte list for soil vapor flux samples is comprised of the list provided in the most recent NDEP-approved version of SOP-16 (see the *BRC Field Sampling and Standard Operating Procedures* [FSSOP]; BRC, ERM and MWH 2008), including radon. This analyte list is provided in Table 6.

5.0 FIELD AND LABORATORY METHODS

5.1 FIELD METHODS

All Site work will be performed under the responsible control and direction of a Nevada State Certified Environmental Manager. All sampling and sample handling procedures will be consistent with the NDEP-approved BRC FSSOP (BRC, ERM and MWH 2008). In accordance with applicable federal regulation (Title 29, Code of Federal Regulations [CFR] Section 1910.120) all field activities will be performed in compliance with the *BRC Health and Safety Plan* (BRC and MWH 2005).

Pre-field and field activities will be conducted in accordance with the most recent NDEP-approved versions of applicable SOPs (BRC, ERM and MWH 2008). These SOPs include SOP-1 (Drilling Methods), SOP-6 (Sample Management and Shipping), SOP-7 (Soil Sampling), SOP-10 (Surveying), SOP-12 (Asbestos Soil Sampling), SOP-13 (Field Equipment Calibration Procedures), SOP-14 (Field Documentation), SOP-15 (Field Logbook), SOP-16 (Flux Chamber Source Testing), SOP-17, (Soil Logging), SOP-23 (Split Spoon Sampling), SOP-26 (Soil Grab Sampling), and SOP-39 (Photoionization Detector Screening).

The BRC QAPP (BRC and ERM 2009~~2008~~) and Health and Safety Plan (BRC and MWH 2005) prepared for the BMI Common Areas will be used for this proposed scope of work. The selected driller will notify the Underground Services Alert one-call notification system at least 48 hours before implementing any subsurface activities. BRC will also notify the NDEP at least one week prior to commencing field activities. Once the data are collected, BRC will subject the data to validation per procedures agreed to previously with the NDEP and consistent with the BRC QAPP (BRC and ERM 2009~~2008~~) and SOP-40.

Soil cuttings generated during soil sampling and Hollow Stem Auger (HSA) drilling activities will be collected and stored with the other remediation waste and sent to the CAMU.

5.2 LABORATORY METHODS

Samples submitted for laboratory analysis will be analyzed in accordance with approved methodologies by a State of Nevada-certified analytical laboratory. Samples not specified for analysis will be placed on hold pending the results of the initial analysis.

5.2.1 Soil Chemical Analyses

BRC's current analyte~~complete SRC~~ list as approved by the NDEP is presented in Table 4 of the QAPP. Table 5 of this SAP identifies the complete list of analytes proposed for analysis of soil samples along with the appropriate analytical methods. An explanation for the exclusion of a chemical for analysis is provided in Table 5 of this SAP.

5.2.2 Soil Vapor Flux Analyses

As indicated in Table 6, all flux chamber samples will be analyzed by USEPA Method TO-15 full scan, and selective ion mode analyses on a sub-set of VOCs to achieve the lowest attainable method detection limits for the target list of study compounds (see most recent version of SOP-16). All samples will be analyzed for the target list with optimum method detection limits so that these data can be used to satisfy the sensitivity requirements of the human health risk assessment.

5.2.3 Soil Physical Parameters

In addition to chemical data, to support the evaluation of potential impacts to groundwater, soil physical properties will also be measured. These parameters will be collected to support the migration to groundwater calculations included in the Closure Plan, consistent with the USEPA Soil Screening Guidance (1996; 2000; 2002), as well as more refined modeling tools (such as, VLEACH, SESOIL, and PESTAN). Site-specific soil physical parameters to be measured include pH (USEPA Method 9045C), cation exchange capacity, dry bulk density, Soil permeability/saturated hydraulic conductivity, specific gravity, total porosity, volumetric water content, grain size analysis by sieve and hydrometer, and fractional organic carbon content (see Table 5). These soil physical parameters will be measured from each of the subsurface samples collected from the three deep sample locations at the Site (see Figure 9). This will ensure that soil physical parameters will be measured at various depths from across the Site so that all sample depths are represented. In addition, samples will be collected from three subsurface sample locations (see Figure 9 and Table 4) for conducting the synthetic precipitation leaching procedure (SPLP; USEPA Method 1312) with the extract analyzed for metals, organochlorine pesticides, SVOCs, radium-226, radium-228, and perchlorate. These analytes are considered those of greatest concern for potential migration and impacts to groundwater. These SPLP sample locations will be within unremediated ponds in the west, central, and east portions of the Site.

6.0 REPORTING AND SCHEDULING

After approval of the SAP by NDEP, BRC is prepared to promptly initiate field activities. BRC will be directly in charge of sampling with oversight conducted by NDEP. As discussed in Section 3.4.3 sampling activities are anticipated to be completed over a one to three month period, and laboratory analyses to be completed within a five to six-week period following field work completion. Once the data are collected, BRC will subject the data to validation per procedures agreed to previously with the NDEP and consistent with the BRC QAPP (BRC and ERM 20092008) and SOP-40 (BRC, ERM and MWH 2008). Only those data determined by the QA/QC review to be suitable for use will be considered for the site dataset. A separate DVSR will be prepared and submitted to NDEP.

Upon receipt of laboratory analytical results and following data validation, a risk assessment will be conducted by BRC (in consultation with NDEP) to evaluate the risks posed to human health and the environment by chemicals remaining in Site soils. The risk assessment will be conducted in accordance with the Risk Assessment Methodology provided in the Closure Plan. As stated in the Closure Plan:

> …risk assessment will not be initiated unless proper data sufficiency, representativeness, and adequacy analysis is first achieved. If necessary, additional data will be gathered or analyzed to meet the goals of data quality required for risk assessment. The risk assessment will, in turn, help to assure that these data characteristics are properly evaluated. Once risk assessment is completed, the assessment will be made as to whether the remediation conducted meets cleanup goals. If cleanup goals are not achieved, additional remediation, associated confirmation sampling, and assessment cycles will be conducted until a decision end point is reached – namely that the cleanup goals are either met (and the NFAD is issued or Site Closure is achieved, as the case may be) or proven infeasible because it is technically impractical or too costly, in which case changes in land use or institutional controls may be considered.

BRC will perform risk assessment calculations to justify additional remediation or sampling; however, these interim risk assessments will not be submitted to the NDEP. It is expected that the interim decisions (to support additional sampling or remediation) will be discussed with the NDEP on an informal but regular basis. Any additional sampling and remediation will be addressed as an addendum to this SAP.

The risk assessment report will be an inclusive report that will also contain the following items:

- A summary of the sampling procedures conducted;
- Sampling location map;
- Soil boring logs;
- An evaluation and summary of the collected data;
- Tables(s) summarizing soil results; and
- If appropriate, plan view maps indicating the locations of detected constituents in soil.

As noted above, completion of the risk assessment will be an iterative process. Once the risk assessment passes internal BRC review, with NDEP consultation, and meets the risk goals stated in the Closure Plan, the risk assessment report will be submitted to the NDEP, along with an NFAD request for the Site, in accordance with AOC3. That is, the risk assessment report will be prepared and submitted to the NDEP only when BRC is comfortable that acceptable human health risks have been attained.

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APPENDIX B

ALL HISTORICAL SAMPLING RESULTS COLLECTED FROM THE UPPER PONDS SUB-AREA

TABLE B-1
SOIL METALS DATA
UPPER PONDS SUB-AREA
(Page 1 of 20)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Metals									
					Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium (Total)	Chromium (VI)
ADB-04	1a	1	N	4/18/1996	--	--	7.9 J-	240	--	--	--	--	< 22 U	--
ADB-04	1a	5	N	4/18/1996	--	--	< 6.5 UJ	440	--	--	--	--	< 22 U	--
ADB-05	1a	1	N	4/19/1996	--	--	< 5.8 U	160	--	--	< 1.9 U	--	9.8	--
B-16	12	2	N	5/19/2000	--	--	< 5 U	430	--	8	< 0.5 U	20000 J+	82	0.48
B-16	12	5	N	5/19/2000	--	--	< 5 U	130	--	< 5 U	< 0.5 U	22000 J+	14	< 0.4 U
B-16	12	10	N	5/19/2000	--	--	--	--	--	--	--	--	--	--
B-16	12	20	N	5/19/2000	--	--	--	--	--	--	--	--	--	--
BDB-19	6d	1	N	10/13/1999	--	< 0.5 U	--	--	--	--	--	--	--	--
BDB-19	1a	1	N	3/25/1996	--	--	39	830	--	--	0.82	--	26	--
BDB-19	1a	5	N	3/25/1996	--	--	6.3	340	--	--	< 1 U	--	12	--
CSPUO-07NC	7b	1	N	4/27/2000	--	< 0.53 U	23	330	1.2	--	< 0.52 U	--	22	--
CSPUO-07NE	7b	1	N	4/27/2000	--	1.2	150	2200	1.2	--	1.6	--	96	--
CSPUO-07NE2	7b	1	N	5/16/2000	--	< 0.54 U	2.8	280	1	--	< 0.54 U	--	12	--
CSPUO-07SC	7b	1	N	4/27/2000	--	< 0.54 U	11	430	2.1	--	< 0.54 U	--	37	--
CSPUO-07SE	7b	1	N	4/27/2000	--	< 0.53 U	11	320	1.3	--	< 0.53 U	--	26	--
CSPUO-07SW	7b	1	N	4/27/2000	--	< 0.54 U	19	460	1.9	--	< 0.54 U	--	47	--
CSPUO-07SW2	7b	1	N	5/16/2000	--	< 0.54 U	4.7	260	1.1	--	< 0.54 U	--	17	--
CSPUP-08SC	7b	1	N	4/28/2000	--	< 0.55 U	23	540	1.4	--	< 0.55 U	--	37	--
CSPUP-08SE	7b	1	N	4/28/2000	--	1.2	25	690	1.3	--	< 0.55 U	--	31	--
DBMW-10	46	1	N	6/26/2007	8950	0.14 J-	5.5	487	0.46	< 3.53 U	0.11 J	19400	12.4 J-	< 0.1 U
DBMW-10	46	10	N	6/26/2007	8540	0.16 J-	8.2	910	0.58	< 3.53 U	0.1 J	25500	10.9 J-	< 0.1 U
DBMW-10	46	20	N	6/26/2007	8860	0.14 J-	6	662	0.46	< 3.53 U	0.1 J	19800	15.3 J-	< 0.1 U
DBMW-10	46	30	N	6/26/2007	7920	0.18 J-	8.8	684	0.39	< 3.53 U	0.084 J	21700	6.1 J-	< 0.11 U
DBMW-10	46	30	FD	6/26/2007	10100	0.21 J-	8.1	863	0.46	< 3.53 U	0.079 J	18300	7.5 J-	< 0.11 U
DBMW-10	46	40	N	6/26/2007	11600	0.21 J-	9.9	1060	0.54	< 3.53 U	0.092 J	20000	6.4 J-	< 0.1 U
DBMW-10	46	50	N	6/26/2007	7610	0.18 J-	8	290	0.4	< 3.53 U	0.11 J	32400	8.7 J-	< 0.11 U
DBMW-10	46	60	N	6/27/2007	7370	0.15 J-	5.9	204	0.39	< 3.53 U	0.085 J	19300	7.5 J-	< 0.11 U
DBMW-10	46	70	N	7/2/2007	13400	< 0.26 UJ	21.5	60.4	0.84	< 7.06 U	0.4	144000	12.8	< 0.14 U
DBMW-11	46	1	N	7/5/2007	8650	0.71 J-	5.2	646	0.39	< 3.53 U	0.081 J	14600	8.1	< 0.1 U
DBMW-11	46	10	N	7/5/2007	7630	0.21 J-	6.6	488	0.46	< 3.53 U	0.084 J	14700	23.6	< 0.1 U
DBMW-11	46	20	N	7/5/2007	10900	0.16 J-	6.4	444	0.42	< 3.53 U	0.077 J	40000	8.8	< 0.11 U
DBMW-11	46	30	N	7/6/2007	9960	0.22 J-	11.8	342	0.51	< 3.53 U	0.094 J	30300	14.1	< 0.11 U
DBMW-11	46	40	N	7/6/2007	12700	< 0.26 UJ	14.4	127	0.67	< 7.06 U	0.27 J	97200	12.5	< 0.13 U
DBMW-11	46	50	N	7/6/2007	17500	< 0.26 UJ	47.5	204	1.1	< 7.06 U	0.1 J	74200	19.1	< 0.13 U
DBMW-11	46	50	FD	7/6/2007	21400	< 0.26 UJ	56.1	260	1.2	< 7.06 U	0.17 J	65300	21.6	< 0.14 U
DBMW-11	46	60	N	7/6/2007	16300	< 0.26 UJ	42	106	0.94	< 7.06 U	0.073 J	110000	16.2	< 0.16 U
DBMW-11	46	70	N	7/6/2007	18700	< 0.26 UJ	23.4	237	1.1	72.3	0.2 J	76300	19	< 0.13 U
DBMW-9	46	1	N	6/25/2007	6710	0.15 J-	5	433	0.4	< 3.53 U	0.082 J	12700	11.2	< 0.1 U
DBMW-9	46	10	N	6/25/2007	8040	0.32 J-	7.3	645	0.49	< 3.53 U	0.087 J	17300	14.6	< 0.1 U

TABLE B-1
SOIL METALS DATA
UPPER PONDS SUB-AREA
(Page 2 of 20)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Metals									
					Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium (Total)	Chromium (VI)
DBMW-9	46	20	N	6/25/2007	8050	0.2 J-	5.3	626	0.58	< 3.53 U	0.14	25300	13	< 0.1 U
DBMW-9	46	20	FD	6/25/2007	8950	0.18 J-	6.1	435	0.54	< 3.53 U	0.11 J	21400	13.8	< 0.1 U
DBMW-9	46	30	N	6/25/2007	10400	0.14 J-	5.4	553	0.54	< 3.53 U	0.1 J	17400	13.1	< 0.1 U
DBMW-9	46	40	N	6/25/2007	9500	0.14 J-	5.6	720	0.48	< 3.53 U	0.12 J	15400	16.3	< 0.1 U
DBMW-9	46	50	N	6/25/2007	2700	< 0.13 UJ	17.4	76	0.14 J	< 3.53 U	0.07 J	232000	0.82 J	< 0.13 U
DBMW-9	46	60	N	6/25/2007	7290	< 0.26 UJ	18.8	17.1	0.41 J	< 7.06 U	0.55	165000	5.6 J	< 0.13 U
DBMW-9	46	70	N	6/25/2007	14600	< 0.26 UJ	29	136	0.9	< 7.06 U	0.12 J	106000	12.9	< 0.13 U
PRBD-02	8c	1	N	10/3/2000	--	--	--	--	--	--	--	--	36	1.1
PRSSNP-07	20c	0	N	6/20/2001	10800	< 1 U	4.1	295	0.47	--	0.15	--	10.1	--
PUH-01	6d	1	N	10/26/1999	--	--	11	--	--	--	--	--	--	--
PUH-02	6d	0	N	10/12/1999	--	0.66 J-	--	--	--	--	--	--	--	--
PUH-02	1a	1	N	3/25/1996	--	--	5.7	600	--	--	< 1 U	--	18	--
PUH-02	1a	5	N	3/25/1996	--	--	5.2	550	--	--	< 1 U	--	10	--
PUH-03	6d	1	N	10/12/1999	--	0.93 J-	6.7	640	--	--	--	--	28	--
PUH-04	6d	0	N	10/12/1999	--	< 0.5 U	4.6	400	--	--	--	--	17	--
PUH-04NCD	8a	1	N	7/19/2000	--	--	6	--	--	--	--	--	--	--
PUH-04NCOM	8a	1	N	7/19/2000	--	--	4.3	--	--	--	--	--	--	--
PUH-04NED	8a	1	N	7/19/2000	--	--	7	--	--	--	--	--	--	--
PUH-04NWD	8a	1	N	7/19/2000	--	--	5.9	--	--	--	--	--	--	--
PUH-04SCD	8a	1	N	7/19/2000	--	--	24	--	--	--	--	--	--	--
PUH-04SCOM	8a	1	N	7/19/2000	--	--	9.7	--	--	--	--	--	--	--
PUH-04SED	8a	1	N	7/19/2000	--	--	4.7	--	--	--	--	--	--	--
PUH-04SWD	8a	1	N	7/19/2000	--	--	6.4	--	--	--	--	--	--	--
PUH-05	6d	1	N	10/12/1999	--	< 0.5 U	5.7	420	--	--	--	--	16	--
PUH-06	6d	1	N	10/12/1999	--	7.1	25	2100	--	--	--	--	53	--
PUI-01	6d	1	N	10/26/1999	--	--	9.1	--	--	--	--	--	--	--
PUI-02	6d	1	N	10/26/1999	--	--	9.5	--	--	--	--	--	--	--
PUI-03	6d	1	N	10/26/1999	--	--	13	--	--	--	--	--	--	--
PUI-04	6d	1	N	10/26/1999	--	--	11	--	--	--	--	--	--	--
PUI-05	6d	1	N	10/26/1999	--	--	6	--	--	--	--	--	--	--
PUI-06	6d	1	N	10/12/1999	--	< 0.5 U	3.7	290	--	--	--	--	13	--
PUI-07	6d	0	N	10/12/1999	--	0.58	6.1	440	--	--	--	--	17	--
PUI-12	6d	0	N	10/27/1999	--	< 0.5 UJ	2.6	310	--	--	--	--	29	--
PUI-13	6d	1	N	10/26/1999	--	--	4	--	--	--	--	--	--	--
PUI-14	6d	1	N	10/26/1999	--	--	3.5	--	--	--	--	--	--	--
PUJ-01	6d	1	N	10/26/1999	--	--	7.1	--	--	--	--	--	--	--
PUJ-02	6d	0	N	10/13/1999	--	< 0.5 U	4.4	470	--	--	--	--	10	--
PUJ-03	6d	1	N	10/26/1999	--	--	7.3	--	--	--	--	--	--	--
PUJ-04	6d	1	N	10/26/1999	--	--	17	--	--	--	--	--	--	--

TABLE B-1
SOIL METALS DATA
UPPER PONDS SUB-AREA
(Page 3 of 20)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Metals									
					Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium (Total)	Chromium (VI)
PUJ-05	6d	1	N	10/12/1999	--	< 0.5 U	4.2	330	--	--	--	--	13	--
PUJ-06	6d	1	N	10/26/1999	--	--	13	--	--	--	--	--	--	--
PUJ-13	6d	1	N	10/26/1999	--	--	3.1	--	--	--	--	--	--	--
PUJ-14	6d	1	N	10/13/1999	--	< 0.5 U	--	--	--	--	--	--	--	--
PUJ-14	1a	1	N	3/22/1996	--	--	3.2	190	--	--	0.42	--	15	--
PUJ-14	1a	5	N	3/22/1996	--	--	4	280	--	--	0.46	--	14	--
PUK-01	6d	1	N	10/26/1999	--	--	6.4	--	--	--	--	--	--	--
PUK-02	6d	0	N	10/13/1999	--	< 0.5 U	--	--	--	--	--	--	--	--
PUK-02	1a	1	N	3/25/1996	--	--	3.6	420	--	--	< 0.98 U	--	13	--
PUK-02	1a	5	N	3/25/1996	--	--	3.1	260	--	--	< 1.1 U	--	6.3	--
PUK-03	6d	1	N	10/26/1999	--	--	12	--	--	--	--	--	--	--
PUK-04	6d	1	N	10/26/1999	--	--	7.8	--	--	--	--	--	--	--
PUK-05	6d	1	N	10/26/1999	--	--	15	--	--	--	--	--	--	--
PUK-06	6d	1	N	10/26/1999	--	--	5.4	--	--	--	--	--	--	--
PUK-12	6d	1	N	10/26/1999	--	--	3.2	--	--	--	--	--	--	--
PUK-13	6d	1	N	10/26/1999	--	--	3.4	--	--	--	--	--	--	--
PUL-01	6d	1	N	10/26/1999	--	--	8.7	--	--	--	--	--	--	--
PUL-02	6d	1	N	10/26/1999	--	--	9.1	--	--	--	--	--	--	--
PUL-03	6d	0	N	10/13/1999	--	< 0.5 U	--	--	--	--	--	--	--	--
PUL-03	1a	1	N	3/25/1996	--	--	4.1	320	--	--	< 1 U	--	14	--
PUL-03	1a	5	N	3/25/1996	--	--	5.6	530	--	--	< 0.99 U	--	16	--
PUL-04	6d	1	N	10/26/1999	--	--	4.9	--	--	--	--	--	--	--
PUL-09	6d	1	N	10/13/1999	--	< 0.5 U	--	--	--	--	--	--	--	--
PUL-09	1a	1	N	3/22/1996	--	--	3	260	--	--	0.41	--	19	--
PUL-09	1a	5	N	3/22/1996	--	--	4.8	250	--	--	0.49	--	16	--
PUL-10	6d	1	N	10/26/1999	--	--	3.8	--	--	--	--	--	--	--
PUL-11	6d	1	N	10/26/1999	--	--	3.4	--	--	--	--	--	--	--
PUM-02	6d	1	N	10/26/1999	--	--	7.9	--	--	--	--	--	--	--
PUM-03	6d	1	N	10/26/1999	--	--	5.6	--	--	--	--	--	--	--
PUM-04	6d	1	N	10/26/1999	--	--	8.4	--	--	--	--	--	--	--
PUM-05	6d	1	N	10/26/1999	--	--	5.7	--	--	--	--	--	--	--
PUM-06	1a	1	N	3/22/1996	--	--	14	560	--	--	0.48	--	130	--
PUM-06	1a	5	N	3/22/1996	--	--	3.2	300	--	--	0.4	--	15	--
PUM-09	6d	1	N	10/26/1999	--	--	3	--	--	--	--	--	--	--
PUM-10	6d	1	N	10/26/1999	--	--	2.9	--	--	--	--	--	--	--
PUM-11	6d	1	N	10/26/1999	--	--	3.3	--	--	--	--	--	--	--
PUN-04	6d	1	N	10/26/1999	--	--	7.4	--	--	--	--	--	--	--
PUN-05	6d	1	N	10/26/1999	--	--	16	--	--	--	--	--	--	--
PUN-06	6d	1	N	10/26/1999	--	--	40	--	--	--	--	--	--	--

TABLE B-1
SOIL METALS DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Metals									
					Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium (Total)	Chromium (VI)
PUO-06	6d	1	N	10/26/1999	--	--	17	--	--	--	--	--	--	--
PUO-07BSSE	7d	0.5	N	3/24/2000	--	31	3900	1300	5.5	--	41	--	1100	--
PUO-07BSSE	7d	1.5	N	3/24/2000	--	0.54	26	280	1.4	--	< 0.53 U	--	20	--
PUO-07BSSW	7d	0.5	N	3/24/2000	--	1.6	270	5900	< 2.6 U	--	< 5.2 U	--	140	--
PUO-07BSSW	7d	1.5	N	3/24/2000	--	< 0.53 U	12	290	1.6	--	< 0.53 U	--	19	--
SB-11-B	27	0	N	6/18/2004	9960 J+	< 1.1 UJ-	1.8	114 J-	< 0.53 U	< 5.3 U	< 0.53 UJ-	16500 J+	9 J	< 0.43 U
SB-11-B	27	18.5	N	6/18/2004	12300 J+	< 1.1 UJ-	5	234 J-	< 0.57 U	< 5.7 U	< 0.57 UJ-	25100 J+	18.3 J	< 0.45 U
SB-11-B	27	37	N	6/24/2004	14800 J+	< 1.8 UJ-	175	95.5 J-	< 0.92 U	47.3	< 0.92 UJ-	47600 J+	33.2 J	< 0.73 U
SB-11-B	27	57	N	6/24/2004	9060 J+	< 1.8 UJ-	39.5	33.4 J-	< 0.89 U	28.3	< 0.89 UJ-	52200 J+	102 J	< 0.71 U
SB-11-B	27	77	N	6/24/2004	5720 J+	< 1.5 UJ-	21.2	168 J-	< 0.74 U	10.4	< 0.74 UJ-	85900 J+	14.3 J	< 0.59 U
SB-15-A	27	0	N	6/19/2004	10200	0.29 J	3.4	171	0.62	< 5.2 U	< 0.52 U	16000	9	< 0.41 U
SB-15-A	27	7	N	6/19/2004	12200	< 1.1 U	3.5	246	0.66	< 5.3 U	< 0.53 U	17100	18.4	< 0.42 U
SB-15-A	27	17	N	6/19/2004	8260	< 1 U	3	121	0.4 J	< 5.2 U	< 0.52 U	92600	5	< 0.41 U
SB-15-A	27	47	N	6/19/2004	7310	< 1.7 U	18	13.3	0.41 J	38.2	< 0.86 U	97600	10.6	< 0.69 U
SB-15-A	27	57	N	6/19/2004	14100	0.44 J	23.9	124	1.1	23.2	0.67 J	59500	23.5	< 0.63 U
SB-15-A	27	77	N	6/19/2004	14700	0.38 J	25.3	116	0.84	45.2	< 0.6 U	11900	23.7	< 0.48 U
SB-17-A	27	0	N	7/7/2004	7450	0.22 J	4.5	387	0.55	5.3	< 0.51 U	20400	14.4	< 0.41 U
SB-17-A	27	7	N	7/7/2004	6900	< 1 U	4.1	278	0.48 J	5.2	< 0.51 U	22700	10	< 0.41 U
SB-17-A	27	17	N	7/7/2004	5380	< 1 U	5.8	230	0.45 J	5.6	< 0.51 U	26100	9.8	< 0.41 U
SB-17-A	27	27	N	7/7/2004	9360	< 1.3 U	12.8	92.9	0.76	81.5	< 0.64 U	113000	10	< 0.51 UJ-
SB-17-A	27	47	N	7/7/2004	8730	< 1.4 U	24.7	165	0.64 J	45.6	0.62 J	149000	13.6	< 0.57 U
SB-17-A	27	57	N	7/7/2004	4070	< 1.3 U	21.8	103	0.48 J	61.3	< 0.67 U	193000	4.9	< 0.54 U
SB-17-A	27	77	N	7/7/2004	5080	< 1 U	5.5	369	0.48 J	4.3 J	< 0.52 U	18700	7.3	< 0.42 U
SB-17-A	27	97	N	7/7/2004	4370	< 1.4 U	40	90.7	0.38 J	82.1	< 0.7 U	160000	6.7	< 0.56 U
SB-18-A	27	0	N	6/21/2004	6260	0.25 J	5.4	398	0.3 J	4.4 J	< 0.5 U	21400	9.1	< 0.43 U
SB-18-A	27	7	N	6/21/2004	7870	0.66 J	5.1	394	0.41 J	7	< 0.5 U	12500	14.3	< 0.41 U
SB-18-A	27	17	N	6/21/2004	8350	0.27 J	5.5	490	0.42 J	6	< 0.5 U	17700	12.9	< 0.41 U
SB-18-A	27	27	N	6/21/2004	10200	< 1 U	7.5	497	0.45 J	4.5 J	< 0.5 U	20100	12	< 0.41 U
SB-18-A	27	47	N	6/21/2004	7170	0.3 J	6.6	541	0.34 J	3.2 J	< 0.5 U	40200	9	< 0.41 U
SB-18-A	27	77	N	6/21/2004	18000	0.39 J	13.4	196	0.52	41.6	< 0.5 U	28400	15.2	< 0.69 U
SB-18-A	27	87	N	6/21/2004	19700	0.3 J	9.2	262	0.69	58.9	< 0.5 U	53400	13.1	< 0.64 U
SB-18-A	27	97	N	6/21/2004	11000	< 1 U	13.9	21	0.49 J	73.8	< 0.5 U	85000	7.9	< 0.54 U
SB-19-A	27	0	N	7/8/2004	9460	0.8 J-	10.2	307 J+	0.85	5.2	< 0.51 UJ-	20700	16.9	< 0.41 U
SB-19-A	27	7	N	7/8/2004	8920	< 1 U	6.9	307	0.8	4.6 J	< 0.51 U	19100	13.3	< 0.41 U
SB-19-A	27	17	N	7/8/2004	7930	0.22 J	5	589	0.63	3.9 J	< 0.52 U	14800	9.7	< 0.42 U
SB-19-A	27	27	N	7/8/2004	7360	< 1 U	6.6	145	0.67	5.7	< 0.52 U	19800	9.9	< 0.41 U
SB-19-A	27	57	N	7/9/2004	15300	0.41 J	20.9	451	1.2	48.8	< 0.9 U	64900	16.6	< 0.72 UJ-
SB-19-A	27	77	N	7/9/2004	17400	< 1.4 U	24.6	195	1.2	43.3	< 0.72 U	35900	21.3	< 0.57 U
SB-19-A	27	97	N	7/9/2004	23700	< 1.7 U	57.4	359	1.5	119	< 0.84 U	5340	23.6	< 0.67 U

TABLE B-1
SOIL METALS DATA
UPPER PONDS SUB-AREA
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Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Metals									
					Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium (Total)	Chromium (VI)
SWB-11	33	0	N	4/12/2005	--	--	--	--	--	--	--	73.7	--	--
SWB-11	33	5	N	4/12/2005	--	--	--	--	--	--	--	93.4	--	--
SWB-11	33	10	N	4/12/2005	--	--	--	--	--	--	--	62.6	--	--
SWB-11	33	20	N	4/12/2005	--	--	--	--	--	--	--	28.4	--	--
SWB-11	33	30	N	4/12/2005	--	--	--	--	--	--	--	43.1	--	--
SWB-11	33	40	N	4/12/2005	--	--	--	--	--	--	--	63.6	--	--

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in mg/kg.
-- = no sample data.
Shaded results indicate soil has been excavated and removed.

TABLE B-1
SOIL METALS DATA
UPPER PONDS SUB-AREA
(Page 6 of 20)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Metals									
					Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Mercury	Molybdenum	Nickel
ADB-04	1a	1	N	4/18/1996	--	--	--	9.5	--	--	--	< 0.1 U	--	--
ADB-04	1a	5	N	4/18/1996	--	--	--	11	--	--	--	< 0.11 U	--	--
ADB-05	1a	1	N	4/19/1996	--	--	--	6.1	--	--	--	< 0.1 U	--	--
B-16	12	2	N	5/19/2000	--	18	20000	18	--	12000	660	< 0.1 U	2.2	--
B-16	12	5	N	5/19/2000	--	11	10000	3.7	--	8200	280	< 0.1 U	0.82	--
B-16	12	10	N	5/19/2000	--	--	--	--	--	--	--	--	--	--
B-16	12	20	N	5/19/2000	--	--	--	--	--	--	--	--	--	--
BDB-19	6d	1	N	10/13/1999	--	--	--	--	--	--	1100	--	--	--
BDB-19	1a	1	N	3/25/1996	--	--	--	480	--	--	--	< 0.1 U	--	--
BDB-19	1a	5	N	3/25/1996	--	--	--	43	--	--	--	< 0.1 U	--	--
CSPUO-07NC	7b	1	N	4/27/2000	--	21	--	220	--	--	820	< 0.11 U	--	16
CSPUO-07NE	7b	1	N	4/27/2000	--	64	--	1700	--	--	2600	0.12	--	20
CSPUO-07NE2	7b	1	N	5/16/2000	--	--	--	8.3	--	--	640	< 0.11 U	--	15
CSPUO-07SC	7b	1	N	4/27/2000	--	143	--	130	--	--	1500	< 0.11 U	--	27
CSPUO-07SE	7b	1	N	4/27/2000	--	27	--	60	--	--	1100	< 0.11 U	--	18
CSPUO-07SW	7b	1	N	4/27/2000	--	110	--	420	--	--	1200	< 0.11 U	--	25
CSPUO-07SW2	7b	1	N	5/16/2000	--	--	--	89	--	--	800	< 0.11 U	--	17
CSPUP-08SC	7b	1	N	4/28/2000	--	42	--	230	--	--	1400	< 0.11 U	--	23
CSPUP-08SE	7b	1	N	4/28/2000	--	38	--	250	--	--	940	< 0.11 U	--	18
DBMW-10	46	1	N	6/26/2007	7.3	13	13600	10.7 J+	16.9	6540 J-	447	0.0163 J	0.56 J	13.4
DBMW-10	46	10	N	6/26/2007	6.2	15.5	14400	14.6 J+	21.4	6840 J-	633	0.0101 J	0.59 J	13.4
DBMW-10	46	20	N	6/26/2007	6	17.5	15300	10.6 J+	21.1	6860 J-	414	0.0095 J	1.1 J	14.5
DBMW-10	46	30	N	6/26/2007	3.3	7.7	8250	9.7 J	13.9	4030 J-	315	< 0.00668 U	0.46 J	7.9
DBMW-10	46	30	FD	6/26/2007	3.9	8.8	10600	20.1 J	16.5	5100 J-	342	0.0078 J	0.42 J	9.2
DBMW-10	46	40	N	6/26/2007	4.6	12.1	10200	53.1 J+	20.8	5740 J-	1680	< 0.00668 U	0.9 J	11.2
DBMW-10	46	50	N	6/26/2007	4.9	10.2	10600	22.9 J+	33.6	6140 J-	544	< 0.00668 U	0.83 J	16
DBMW-10	46	60	N	6/27/2007	4.1	9.1	9270	11.6 J+	32.6	5010 J-	270	0.0094 J	0.39 J	13.7
DBMW-10	46	70	N	7/2/2007	5.6	13.8 J-	12700	8.2	96.5	39400	411	< 0.00668 U	0.82 J	16
DBMW-11	46	1	N	7/5/2007	4	18.7 J-	9880	10.2	13.2	5470	609	< 0.00668 U	0.62 J	9.3
DBMW-11	46	10	N	7/5/2007	5.7	15.1 J-	14100	13.8	16.7	7150	448	< 0.00668 U	2.2	15.2
DBMW-11	46	20	N	7/5/2007	3.8	8.7 J-	9740	8.8	25.4	8050	230	< 0.00668 U	0.37 J	11
DBMW-11	46	30	N	7/6/2007	5.3	11.1	12800 J+	10.9	42.6	14900	330	0.0107 J	1.1 J	14.8
DBMW-11	46	40	N	7/6/2007	7.4	20.3	12000 J+	11.9	70.2	37600	844	< 0.00668 U	4.4	24.2
DBMW-11	46	50	N	7/6/2007	9.6	20.9	20200 J+	10	66.9	31800	338	< 0.00668 U	1.8 J	22.9
DBMW-11	46	50	FD	7/6/2007	9.2	22	23900 J+	10.1	79.3	37200	385	< 0.00668 U	2.1 J	26.1
DBMW-11	46	60	N	7/6/2007	7.1	22.5	15200 J+	9.6	60.9 J	46700	410	0.0187 J	3.4 J	20.5
DBMW-11	46	70	N	7/6/2007	7.9	20.3	19200 J+	8.4	66.5	49300	443	0.0167 J	2.4 J	22.8
DBMW-9	46	1	N	6/25/2007	5.3	14 J-	13100	11.2 J+	15	4930	421	0.0098 J	0.57 J	11.9
DBMW-9	46	10	N	6/25/2007	6.5	15.3 J-	17600	12.2 J+	18.5	6140	406	< 0.00668 U	0.66 J	14.2

TABLE B-1
SOIL METALS DATA
UPPER PONDS SUB-AREA
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Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Metals									
					Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Mercury	Molybdenum	Nickel
DBMW-9	46	20	N	6/25/2007	11.1 J	15.9 J-	21400	11 J+	16.2	6610	645	< 0.00668 U	0.73 J	15.3
DBMW-9	46	20	FD	6/25/2007	6.4 J	15.5 J-	17100	10.7 J+	21.8	7170	409	< 0.00668 U	0.53 J	14.1
DBMW-9	46	30	N	6/25/2007	6.8	18.4 J-	18400	10.6 J+	19.5	7630	439	< 0.00668 U	0.71 J	15.5
DBMW-9	46	40	N	6/25/2007	6	15 J-	15800	9 J+	17	6100	431	< 0.00668 U	1.3 J	13.3
DBMW-9	46	50	N	6/25/2007	1.1 J	< 0.25 UJ	3290	0.64 J+	28.2	24400	108	< 0.00668 U	1.2 J	8
DBMW-9	46	60	N	6/25/2007	3.4	8.5 J-	6460	7.7 J+	62.4	47500	252	< 0.00668 U	4.4	11
DBMW-9	46	70	N	6/25/2007	6.2	15.1 J-	14100	7.4 J+	61.5	38600	281	< 0.00668 U	1.8 J	17.6
PRBD-02	8c	1	N	10/3/2000	--	--	--	--	--	--	--	--	--	--
PRSSNP-07	20c	0	N	6/20/2001	6.9	14.7	24800	55.2	--	10700	465	< 0.03 U	< 4.1 U	11.8
PUH-01	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUH-02	6d	0	N	10/12/1999	--	--	--	--	--	--	680	--	--	--
PUH-02	1a	1	N	3/25/1996	--	--	--	47	--	--	--	< 0.1 U	--	--
PUH-02	1a	5	N	3/25/1996	--	--	--	13	--	--	--	< 0.1 U	--	--
PUH-03	6d	1	N	10/12/1999	--	--	--	72	--	--	840	--	--	--
PUH-04	6d	0	N	10/12/1999	--	--	--	--	--	--	550	--	--	--
PUH-04NCD	8a	1	N	7/19/2000	--	--	--	17	--	--	450	--	--	--
PUH-04NCOM	8a	1	N	7/19/2000	--	--	--	25	--	--	520	--	--	--
PUH-04NED	8a	1	N	7/19/2000	--	--	--	59	--	--	680	--	--	--
PUH-04NWD	8a	1	N	7/19/2000	--	--	--	36	--	--	570	--	--	--
PUH-04SCD	8a	1	N	7/19/2000	--	--	--	470	--	--	3300	--	--	--
PUH-04SCOM	8a	1	N	7/19/2000	--	--	--	140	--	--	1200	--	--	--
PUH-04SED	8a	1	N	7/19/2000	--	--	--	35	--	--	530	--	--	--
PUH-04SWD	8a	1	N	7/19/2000	--	--	--	57	--	--	820	--	--	--
PUH-05	6d	1	N	10/12/1999	--	--	--	--	--	--	620	--	--	--
PUH-06	6d	1	N	10/12/1999	--	--	--	--	--	--	2300	--	--	--
PUI-01	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUI-02	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUI-03	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUI-04	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUI-05	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUI-06	6d	1	N	10/12/1999	--	--	--	--	--	--	400	--	--	--
PUI-07	6d	0	N	10/12/1999	--	--	--	--	--	--	580	--	--	--
PUI-12	6d	0	N	10/27/1999	--	--	--	18	--	--	820	--	--	--
PUI-13	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUI-14	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUJ-01	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUJ-02	6d	0	N	10/13/1999	--	--	--	--	--	--	490	--	--	--
PUJ-03	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUJ-04	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--

TABLE B-1
SOIL METALS DATA
UPPER PONDS SUB-AREA
(Page 8 of 20)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Metals									
					Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Mercury	Molybdenum	Nickel
PUJ-05	6d	1	N	10/12/1999	--	--	--	--	--	--	520	--	--	--
PUJ-06	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUJ-13	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUJ-14	6d	1	N	10/13/1999	--	--	--	--	--	--	520	--	--	--
PUJ-14	1a	1	N	3/22/1996	--	--	--	18	--	--	--	< 0.1 U	--	--
PUJ-14	1a	5	N	3/22/1996	--	--	--	8.8	--	--	--	< 0.11 U	--	--
PUK-01	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUK-02	6d	0	N	10/13/1999	--	--	--	--	--	--	490	--	--	--
PUK-02	1a	1	N	3/25/1996	--	--	--	23	--	--	--	< 0.1 U	--	--
PUK-02	1a	5	N	3/25/1996	--	--	--	7.4	--	--	--	< 0.11 U	--	--
PUK-03	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUK-04	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUK-05	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUK-06	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUK-12	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUK-13	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUL-01	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUL-02	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUL-03	6d	0	N	10/13/1999	--	--	--	--	--	--	460	--	--	--
PUL-03	1a	1	N	3/25/1996	--	--	--	29	--	--	--	< 0.1 U	--	--
PUL-03	1a	5	N	3/25/1996	--	--	--	50	--	--	--	< 0.1 U	--	--
PUL-04	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUL-09	6d	1	N	10/13/1999	--	--	--	--	--	--	540	--	--	--
PUL-09	1a	1	N	3/22/1996	--	--	--	16	--	--	--	< 0.09 U	--	--
PUL-09	1a	5	N	3/22/1996	--	--	--	9.7	--	--	--	< 0.1 U	--	--
PUL-10	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUL-11	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUM-02	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUM-03	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUM-04	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUM-05	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUM-06	1a	1	N	3/22/1996	--	--	--	93	--	--	--	< 0.09 U	--	--
PUM-06	1a	5	N	3/22/1996	--	--	--	12	--	--	--	< 0.09 U	--	--
PUM-09	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUM-10	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUM-11	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUN-04	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUN-05	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUN-06	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--

TABLE B-1
SOIL METALS DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Metals									
					Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Mercury	Molybdenum	Nickel
PUO-06	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUO-07BSSE	7d	0.5	N	3/24/2000	--	740	--	33000	--	--	57000	< 0.1 U	--	26
PUO-07BSSE	7d	1.5	N	3/24/2000	--	24	--	13	--	--	1300	1.2	--	21
PUO-07BSSW	7d	0.5	N	3/24/2000	--	160	--	5500	--	--	6700	< 0.1 U	--	23
PUO-07BSSW	7d	1.5	N	3/24/2000	--	110	--	40	--	--	1300	0.13	--	19
SB-11-B	27	0	N	6/18/2004	6.3 J	12.5 J-	16200	6.1	< 5.3 U	9360 J	590	0.023 J+	< 1.1 U	10 J
SB-11-B	27	18.5	N	6/18/2004	8.2 J	17 J+	20400	8.3	17.9	10400 J	367	< 0.038 UJ+	0.65 J	14.2 J
SB-11-B	27	37	N	6/24/2004	8.2 J	13.4 J+	25500	12.4	182	81500 J	444	< 0.061 UJ+	7.5	13 J
SB-11-B	27	57	N	6/24/2004	3.4 J	13.2 J+	9430	4.5	199	72200 J	198	< 0.059 UJ+	< 1.8 U	11.7 J
SB-11-B	27	77	N	6/24/2004	3.5 J	5.5 J+	5430	2.9	219	84200 J	521	< 0.049 UJ+	1.6	7.7 J
SB-15-A	27	0	N	6/19/2004	10.5	14.5	21200	8.9	9	10300	618	< 0.034 U	0.37 J	17.1
SB-15-A	27	7	N	6/19/2004	10.9	23	25800	11.2	11.5	11300	741	< 0.035 U	0.69 J	17.4
SB-15-A	27	17	N	6/19/2004	7.2	14.5	11800	4.5	7	8750	432	< 0.035 U	0.32 J	14.2
SB-15-A	27	47	N	6/19/2004	2.2	6.4	5620	2.8	117	106000	341	< 0.057 U	1.7	8.1
SB-15-A	27	57	N	6/19/2004	3.4	8.7	9390	9.2	141	44400	160	< 0.053 U	0.71 J	9.7
SB-15-A	27	77	N	6/19/2004	8.7	21.6	17700	9.7	84	34900	256	< 0.04 U	5.9	18.1
SB-17-A	27	0	N	7/7/2004	6.7	16.8	12300	23.9	13.2	10200	464	< 0.034 U	0.93 J	14
SB-17-A	27	7	N	7/7/2004	5.1	17.9	11200	9.5	13.9	9540	355	0.018 J	0.42 J	11.7
SB-17-A	27	17	N	7/7/2004	5	17.3	9930	6.7	15.1	7720	314	< 0.034 U	0.57 J	12.8
SB-17-A	27	27	N	7/7/2004	4	24.8	8670	4.7	77.9	53000	295	< 0.042 U	1.5	11.8
SB-17-A	27	47	N	7/7/2004	3.8	22.3	12200	8.9	84.7	54800	246	< 0.048 U	4.6	13.7
SB-17-A	27	57	N	7/7/2004	2.2	18.4	4450	2.1	52.2	65200	254	< 0.045 U	3.5	10.3
SB-17-A	27	77	N	7/7/2004	4.7	23.6	8260	8.8	17	6450	373	< 0.035 U	0.57 J	10.3
SB-17-A	27	97	N	7/7/2004	2.8	13.8	4980	3.7	59.2	54600	243	< 0.047 U	3.2	11.3
SB-18-A	27	0	N	6/21/2004	4.4	17.1	9920	8	9.7	5360	379	< 0.033 U	0.45 J	9.2
SB-18-A	27	7	N	6/21/2004	5.5	15.3	15300	10	12.9	5570	339	< 0.033 U	0.77 J	12.5
SB-18-A	27	17	N	6/21/2004	5.9	15.7	14100	13.8	14	6620	369	< 0.033 U	0.59 J	11.7
SB-18-A	27	27	N	6/21/2004	5.7	14.6	12900	11.3	17.6	7070	359	< 0.033 U	0.37 J	12.5
SB-18-A	27	47	N	6/21/2004	4.4	13.9	10900	8	14.5	5420	300	0.017 J	0.61 J	10.2
SB-18-A	27	77	N	6/21/2004	8.9	27.3	10000	10.2	54.1	54000	729	< 0.033 U	2.8	20.1
SB-18-A	27	87	N	6/21/2004	10.4	24.6	13100	5.6	56.6	50300	350	< 0.033 U	2.7	22.4
SB-18-A	27	97	N	6/21/2004	4.1	8.2	6520	2.5	48.1	67400	343	< 0.033 U	0.71 J	12.2
SB-19-A	27	0	N	7/8/2004	8.5	18.5	17700	79.9	11.7	9970	606	< 0.034 U	1.1	13.9
SB-19-A	27	7	N	7/8/2004	7.9	15.6	16300	51.7	10.4	8670	512	< 0.034 U	1	16.6
SB-19-A	27	17	N	7/8/2004	5.6	19	11400	10	15	6780	322	< 0.035 U	0.41 J	12.6
SB-19-A	27	27	N	7/8/2004	4.9	13.1	10800	15	19.9	9710	268	< 0.034 U	0.59 J	11.3
SB-19-A	27	57	N	7/9/2004	7.4	17.1	14300	9	223	56100	288	< 0.06 U	1.1 J	18.5
SB-19-A	27	77	N	7/9/2004	8	19.4	19000	7.7	117	51600	399	< 0.048 U	2.7	20.7
SB-19-A	27	97	N	7/9/2004	7.9	56.3	23900	11.3	400	93200	309	< 0.056 U	111	21.5

TABLE B-1
SOIL METALS DATA
UPPER PONDS SUB-AREA
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Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Metals									
					Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Mercury	Molybdenum	Nickel
SWB-11	33	0	N	4/12/2005	--	--	--	--	--	35.6	--	--	--	--
SWB-11	33	5	N	4/12/2005	--	--	--	--	--	42.2	--	--	--	--
SWB-11	33	10	N	4/12/2005	--	--	--	--	--	47.9	--	--	--	--
SWB-11	33	20	N	4/12/2005	--	--	--	--	--	17.7	--	--	--	--
SWB-11	33	30	N	4/12/2005	--	--	--	--	--	44.9	--	--	--	--
SWB-11	33	40	N	4/12/2005	--	--	--	--	--	44.7	--	--	--	--

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in mg/kg.
-- = no sample data.
Shaded results indicate soil has been excavated and removed.

TABLE B-1
SOIL METALS DATA
UPPER PONDS SUB-AREA
(Page 11 of 20)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Metals									
					Niobium	Palladium	Phosphorus (as P)	Platinum	Potassium	Selenium	Silicon	Silver	Sodium	Strontium
ADB-04	1a	1	N	4/18/1996	--	--	--	--	--	< 6.5 U	--	3.8	--	--
ADB-04	1a	5	N	4/18/1996	--	--	--	--	--	< 6.5 U	--	< 2.2 U	--	--
ADB-05	1a	1	N	4/19/1996	--	--	--	--	--	< 5.8 U	--	< 1.9 U	--	--
B-16	12	2	N	5/19/2000	--	--	--	--	1900	< 5 U	--	< 1 U	1100	--
B-16	12	5	N	5/19/2000	--	--	--	--	960	< 5 U	--	< 1 U	640	--
B-16	12	10	N	5/19/2000	--	--	--	--	2200	--	--	--	2400	--
B-16	12	20	N	5/19/2000	--	--	--	--	1600	--	--	--	1400	--
BDB-19	6d	1	N	10/13/1999	--	--	--	--	--	--	--	--	--	--
BDB-19	1a	1	N	3/25/1996	--	--	--	--	--	< 0.59 U	--	< 0.2 U	--	--
BDB-19	1a	5	N	3/25/1996	--	--	--	--	--	< 1 U	--	< 0.2 U	--	--
CSPUO-07NC	7b	1	N	4/27/2000	--	--	--	--	--	< 5.3 U	--	< 1.1 U	--	--
CSPUO-07NE	7b	1	N	4/27/2000	--	--	--	--	--	< 5.3 U	--	< 1.1 U	--	--
CSPUO-07NE2	7b	1	N	5/16/2000	--	--	--	--	--	--	--	--	--	--
CSPUO-07SC	7b	1	N	4/27/2000	--	--	--	--	--	< 5.4 U	--	< 1.1 U	--	--
CSPUO-07SE	7b	1	N	4/27/2000	--	--	--	--	--	< 5.3 U	--	< 1.1 U	--	--
CSPUO-07SW	7b	1	N	4/27/2000	--	--	--	--	--	< 5.4 U	--	< 1.1 U	--	--
CSPUO-07SW2	7b	1	N	5/16/2000	--	--	--	--	--	--	--	--	--	--
CSPUP-08SC	7b	1	N	4/28/2000	--	--	--	--	--	< 5.5 U	--	< 1.1 U	--	--
CSPUP-08SE	7b	1	N	4/28/2000	--	--	--	--	--	< 5.5 U	--	< 1.1 U	--	--
DBMW-10	46	1	N	6/26/2007	< 1.88975 U	0.44	603	< 0.025 U	2060	< 0.4 U	1440	0.13 J	260 J+	215
DBMW-10	46	10	N	6/26/2007	< 1.88975 U	0.67	814	< 0.025 U	1830	< 0.4 U	970	0.067 J	772	297
DBMW-10	46	20	N	6/26/2007	< 1.88975 U	0.57	1240	< 0.025 U	1770	< 0.4 U	1230	0.2 J	788	237
DBMW-10	46	30	N	6/26/2007	< 1.88975 U	0.75	766	< 0.025 U	2790	< 0.4 U	1110	0.063 J	1640	360
DBMW-10	46	30	FD	6/26/2007	< 1.88975 U	0.99	671	< 0.025 U	3440	< 0.4 U	1030	0.077 J	2000	460
DBMW-10	46	40	N	6/26/2007	< 1.88975 U	1.4	745	< 0.025 U	3850	< 0.4 U	1330	0.56	2230	646
DBMW-10	46	50	N	6/26/2007	< 1.88975 U	0.51	889	< 0.025 U	2460	< 0.4 U	1390	0.15 J	1260	243
DBMW-10	46	60	N	6/27/2007	< 1.88975 U	0.48	1080	< 0.025 U	2370	< 0.4 U	1390	0.096 J	1270	238
DBMW-10	46	70	N	7/2/2007	< 3.7795 U	0.47 J	500	< 0.05 U	5720	< 0.8 U	1720	0.17 J	472	204
DBMW-11	46	1	N	7/5/2007	< 1.88975 U	0.56	718	< 0.025 U	3300	< 0.4 U	1280	< 0.05 U	390	266
DBMW-11	46	10	N	7/5/2007	< 1.88975 U	0.35	1040	< 0.025 U	2040	< 0.4 U	1060	0.15 J	499	173
DBMW-11	46	20	N	7/5/2007	< 1.88975 U	0.96	514	< 0.025 U	2800	< 0.4 U	1390	0.068 J	1330	441
DBMW-11	46	30	N	7/6/2007	< 1.88975 U	0.61	619 J-	< 0.025 U	2960	< 0.4 U	889	0.15 J	924 J-	284
DBMW-11	46	40	N	7/6/2007	< 3.7795 U	3.3	1080 J-	< 0.05 U	4270	< 0.8 U	1040	0.31 J	683 J-	1560
DBMW-11	46	50	N	7/6/2007	< 3.7795 U	0.77	887 J-	< 0.05 U	6830	< 0.8 U	835	< 0.1 U	549 J-	354
DBMW-11	46	50	FD	7/6/2007	< 3.7795 U	0.54 J	1040 J-	< 0.05 U	8400	< 0.8 U	1030	0.14 J	679 J-	262
DBMW-11	46	60	N	7/6/2007	< 3.7795 U	3.4	678 J-	< 0.05 U	5400	< 0.8 U	454	< 0.1 U	603 J-	1690
DBMW-11	46	70	N	7/6/2007	< 3.7795 U	0.51 J	819 J-	< 0.05 U	8340	< 0.8 U	1060	0.25 J	735 J-	259
DBMW-9	46	1	N	6/25/2007	< 1.88975 U	0.31	894 J-	< 0.025 U	1800	< 0.4 U	1200	0.07 J	277	147 J+
DBMW-9	46	10	N	6/25/2007	< 1.88975 U	0.62	871 J-	< 0.025 U	1400	< 0.4 U	1380	0.11 J	588	273 J+

TABLE B-1
SOIL METALS DATA
UPPER PONDS SUB-AREA
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Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Metals									
					Niobium	Palladium	Phosphorus (as P)	Platinum	Potassium	Selenium	Silicon	Silver	Sodium	Strontium
DBMW-9	46	20	N	6/25/2007	< 1.88975 U	0.44	1020 J-	< 0.025 U	1700	< 0.4 U	1130	0.062 J	595	208 J+
DBMW-9	46	20	FD	6/25/2007	< 1.88975 U	0.4	1130 J-	< 0.025 U	1720	< 0.4 U	920	0.11 J	593	185 J+
DBMW-9	46	30	N	6/25/2007	< 1.88975 U	0.66	1160 J-	< 0.025 U	1880	< 0.4 U	1360	1.4	1140	293 J+
DBMW-9	46	40	N	6/25/2007	< 1.88975 U	0.65	1020 J-	< 0.025 U	2110	< 0.4 U	1110	0.28 J	1210	327 J+
DBMW-9	46	50	N	6/25/2007	< 1.88975 U	11.8	< 1.1905 UJ	< 0.025 U	1100	< 0.4 U	1330	0.24 J	264	5770 J+
DBMW-9	46	60	N	6/25/2007	< 3.7795 U	0.72	< 2.381 UJ	< 0.05 U	2490	< 0.8 U	1680	0.33 J	382	358 J+
DBMW-9	46	70	N	6/25/2007	< 3.7795 U	0.91	601 J-	< 0.05 U	4930	< 0.8 U	1460	< 0.1 U	340	465 J+
PRBD-02	8c	1	N	10/3/2000	--	--	--	--	--	--	--	--	--	--
PRSSNP-07	20c	0	N	6/20/2001	--	--	--	--	--	0.53	--	< 1 UJ	--	--
PUH-01	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUH-02	6d	0	N	10/12/1999	--	--	--	--	--	--	--	--	--	--
PUH-02	1a	1	N	3/25/1996	--	--	--	--	--	< 0.6 U	--	< 0.2 U	--	--
PUH-02	1a	5	N	3/25/1996	--	--	--	--	--	< 0.62 U	--	< 0.21 U	--	--
PUH-03	6d	1	N	10/12/1999	--	--	--	--	--	--	--	--	--	--
PUH-04	6d	0	N	10/12/1999	--	--	--	--	--	--	--	--	--	--
PUH-04NCD	8a	1	N	7/19/2000	--	--	--	--	--	--	--	--	--	--
PUH-04NCOM	8a	1	N	7/19/2000	--	--	--	--	--	--	--	--	--	--
PUH-04NED	8a	1	N	7/19/2000	--	--	--	--	--	--	--	--	--	--
PUH-04NWD	8a	1	N	7/19/2000	--	--	--	--	--	--	--	--	--	--
PUH-04SCD	8a	1	N	7/19/2000	--	--	--	--	--	--	--	--	--	--
PUH-04SCOM	8a	1	N	7/19/2000	--	--	--	--	--	--	--	--	--	--
PUH-04SED	8a	1	N	7/19/2000	--	--	--	--	--	--	--	--	--	--
PUH-04SWD	8a	1	N	7/19/2000	--	--	--	--	--	--	--	--	--	--
PUH-05	6d	1	N	10/12/1999	--	--	--	--	--	--	--	--	--	--
PUH-06	6d	1	N	10/12/1999	--	--	--	--	--	--	--	--	--	--
PUI-01	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUI-02	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUI-03	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUI-04	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUI-05	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUI-06	6d	1	N	10/12/1999	--	--	--	--	--	--	--	--	--	--
PUI-07	6d	0	N	10/12/1999	--	--	--	--	--	--	--	--	--	--
PUI-12	6d	0	N	10/27/1999	--	--	--	--	--	--	--	--	--	--
PUI-13	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUI-14	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUJ-01	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUJ-02	6d	0	N	10/13/1999	--	--	--	--	--	--	--	--	--	--
PUJ-03	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUJ-04	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--

TABLE B-1
SOIL METALS DATA
UPPER PONDS SUB-AREA
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Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Metals									
					Niobium	Palladium	Phosphorus (as P)	Platinum	Potassium	Selenium	Silicon	Silver	Sodium	Strontium
PUJ-05	6d	1	N	10/12/1999	--	--	--	--	--	--	--	--	--	--
PUJ-06	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUJ-13	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUJ-14	6d	1	N	10/13/1999	--	--	--	--	--	--	--	--	--	--
PUJ-14	1a	1	N	3/22/1996	--	--	--	--	--	< 0.61 U	--	< 0.2 U	--	--
PUJ-14	1a	5	N	3/22/1996	--	--	--	--	--	0.77	--	< 0.21 U	--	--
PUK-01	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUK-02	6d	0	N	10/13/1999	--	--	--	--	--	--	--	--	--	--
PUK-02	1a	1	N	3/25/1996	--	--	--	--	--	< 0.59 U	--	< 0.2 U	--	--
PUK-02	1a	5	N	3/25/1996	--	--	--	--	--	< 0.66 U	--	< 0.22 U	--	--
PUK-03	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUK-04	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUK-05	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUK-06	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUK-12	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUK-13	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUL-01	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUL-02	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUL-03	6d	0	N	10/13/1999	--	--	--	--	--	--	--	--	--	--
PUL-03	1a	1	N	3/25/1996	--	--	--	--	--	< 1 U	--	< 0.2 U	--	--
PUL-03	1a	5	N	3/25/1996	--	--	--	--	--	< 0.6 U	--	< 0.2 U	--	--
PUL-04	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUL-09	6d	1	N	10/13/1999	--	--	--	--	--	--	--	--	--	--
PUL-09	1a	1	N	3/22/1996	--	--	--	--	--	< 0.6 U	--	< 0.2 U	--	--
PUL-09	1a	5	N	3/22/1996	--	--	--	--	--	0.78	--	< 0.21 U	--	--
PUL-10	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUL-11	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUM-02	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUM-03	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUM-04	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUM-05	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUM-06	1a	1	N	3/22/1996	--	--	--	--	--	1.2	--	< 0.2 U	--	--
PUM-06	1a	5	N	3/22/1996	--	--	--	--	--	0.66	--	< 0.2 U	--	--
PUM-09	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUM-10	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUM-11	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUN-04	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUN-05	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUN-06	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--

TABLE B-1
SOIL METALS DATA
UPPER PONDS SUB-AREA
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Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Metals									
					Niobium	Palladium	Phosphorus (as P)	Platinum	Potassium	Selenium	Silicon	Silver	Sodium	Strontium
PUO-06	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--	--
PUO-07BSSE	7d	0.5	N	3/24/2000	--	--	--	--	--	< 59.1 U	--	< 11.82 U	--	--
PUO-07BSSE	7d	1.5	N	3/24/2000	--	--	--	--	--	< 5.35 U	--	< 1.07 U	--	--
PUO-07BSSW	7d	0.5	N	3/24/2000	--	--	--	--	--	< 52 U	--	< 10.4 U	--	--
PUO-07BSSW	7d	1.5	N	3/24/2000	--	--	--	--	--	< 5.39 U	--	< 1.07 U	--	--
SB-11-B	27	0	N	6/18/2004	< 2.7 UJ-	< 0.11 U	1160 J	< 0.11 U	1360 J	< 0.53 U	515 J-	< 1.1 U	148 J	114 J+
SB-11-B	27	18.5	N	6/18/2004	--	0.85	1200 J	< 0.11 U	1550 J	< 0.57 U	430 J-	< 1.1 U	802	380 J+
SB-11-B	27	37	N	6/24/2004	--	< 0.18 U	454 J+	< 0.18 U	4150 J	< 0.92 U	289 J-	< 1.8 U	1190	179 J+
SB-11-B	27	57	N	6/24/2004	--	0.58	405 J	< 0.18 U	2590 J	< 0.89 U	375 J-	< 1.8 U	1210	225 J+
SB-11-B	27	77	N	6/24/2004	--	0.51	291 J	< 0.15 U	1750 J	< 0.74 U	247 J-	< 1.5 U	928 J	228 J+
SB-15-A	27	0	N	6/19/2004	< 2.6 U	0.5	2210	< 0.1 U	2160	< 0.52 U	192 J-	< 1 U	320 J	229
SB-15-A	27	7	N	6/19/2004	< 2.6 U	0.57	2020	< 0.11 U	2230	< 0.53 U	350 J-	< 1.1 U	564	273
SB-15-A	27	17	N	6/19/2004	1.2 J	0.56	1720	< 0.1 U	1480	< 0.52 U	171 J-	< 1 U	311 J	260
SB-15-A	27	47	N	6/19/2004	< 4.3 U	0.45	312	< 0.17 U	2030	< 0.86 U	252 J-	< 1.7 U	1310	179
SB-15-A	27	57	N	6/19/2004	< 4 U	0.33	376	0.11 J	3950	< 0.79 U	193 J-	< 1.6 U	1780	150
SB-15-A	27	77	N	6/19/2004	< 3 U	0.14	827	< 0.12 U	6660	< 0.6 U	127 J-	< 1.2 U	1100	62.1
SB-17-A	27	0	N	7/7/2004	< 2.5 U	0.49	996	< 0.1 U	2650	< 0.51 U	1870 J+	< 1 U	208 J	195
SB-17-A	27	7	N	7/7/2004	< 2.6 U	0.55	883	< 0.1 U	1380	< 0.51 U	610 J+	< 1 U	709	207
SB-17-A	27	17	N	7/7/2004	< 2.6 U	0.65	1020	< 0.1 U	1340	< 0.51 U	665 J+	< 1 U	1310	291
SB-17-A	27	27	N	7/7/2004	< 3.2 U	0.88	438	< 0.13 U	5930	< 0.64 U	563 J+	0.34	1090	565
SB-17-A	27	47	N	7/7/2004	< 3.6 U	3.7	401	< 0.14 U	3750	< 0.71 U	596 J+	0.87 J	770	3210
SB-17-A	27	57	N	7/7/2004	< 3.4 U	5.5	< 336 U	< 0.13 U	1890	< 0.67 U	640 J+	0.64 J	677 J	4760
SB-17-A	27	77	N	7/7/2004	< 2.6 U	0.44	728	< 0.1 U	2420	< 0.52 U	422 J+	< 1 U	978	206
SB-17-A	27	97	N	7/7/2004	< 3.5 U	2.4	269	< 0.14 U	4840	1.4	447 J+	0.36	1240	2010
SB-18-A	27	0	N	6/21/2004	< 2.7 U	0.44	585	< 0.11 U	2820	< 0.5 U	249	< 1 U	554	215
SB-18-A	27	7	N	6/21/2004	< 2.6 U	0.46	696	< 0.1 U	2080	< 0.5 U	199	< 1 U	923	186
SB-18-A	27	17	N	6/21/2004	< 2.6 U	0.49	758	< 0.1 U	1810	< 0.5 U	212	< 1 U	974	252
SB-18-A	27	27	N	6/21/2004	1.5 J	0.48	782	< 0.1 U	2850	< 0.5 U	256	< 1 U	1480	363
SB-18-A	27	47	N	6/21/2004	< 2.6 U	0.48	770	< 0.1 U	2130	< 0.5 U	284	< 1 U	1580	304
SB-18-A	27	77	N	6/21/2004	< 4.3 U	0.76	516	< 0.17 U	6440	< 0.5 U	199	< 1 U	1050	510
SB-18-A	27	87	N	6/21/2004	< 4 U	0.99	548	< 0.16 U	7380	< 0.5 U	110	< 1 U	1110	621
SB-18-A	27	97	N	6/21/2004	< 3.4 U	0.37	294	< 0.13 U	4890	< 0.5 U	170	< 1 U	1120	348
SB-19-A	27	0	N	7/8/2004	< 2.6 U	1.2	1450 J-	< 0.1 U	1820	< 0.51 U	1120 J+	0.11	369 J	290
SB-19-A	27	7	N	7/8/2004	< 2.6 U	1.2	1550	< 0.1 U	1670	< 0.51 U	528 J+	0.14	481 J	257
SB-19-A	27	17	N	7/8/2004	< 2.6 U	1.2	747	< 0.11 U	1210	< 0.52 U	384 J+	0.13	846	450
SB-19-A	27	27	N	7/8/2004	< 2.6 U	0.87	659	< 0.1 U	2150	< 0.52 U	344 J+	0.1	936	281
SB-19-A	27	57	N	7/9/2004	< 4.5 U	62	779	< 0.18 U	6170	< 0.9 U	411 J+	0.2	1320	31600
SB-19-A	27	77	N	7/9/2004	< 3.6 U	0.95	846	< 0.14 U	7280	< 0.72 U	311 J+	0.22	1620	121
SB-19-A	27	97	N	7/9/2004	< 4.2 U	0.75	807	< 0.17 U	12400	1.6	362 J+	0.26	3330	86.1

TABLE B-1
SOIL METALS DATA
UPPER PONDS SUB-AREA
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Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Metals									
					Niobium	Palladium	Phosphorus (as P)	Platinum	Potassium	Selenium	Silicon	Silver	Sodium	Strontium
SWB-11	33	0	N	4/12/2005	--	--	--	--	22.9	--	--	--	97.6	--
SWB-11	33	5	N	4/12/2005	--	--	--	--	17.7	--	--	--	191	--
SWB-11	33	10	N	4/12/2005	--	--	--	--	< 50 U	--	--	--	277	--
SWB-11	33	20	N	4/12/2005	--	--	--	--	< 50 U	--	--	--	407	--
SWB-11	33	30	N	4/12/2005	--	--	--	--	< 50 U	--	--	--	437	--
SWB-11	33	40	N	4/12/2005	--	--	--	--	< 50 U	--	--	--	218	--

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in mg/kg.
-- = no sample data.
Shaded results indicate soil has been excavated and removed.

TABLE B-1
SOIL METALS DATA
UPPER PONDS SUB-AREA
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Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Metals								
					Sulfur	Thallium	Tin	Titanium	Tungsten	Uranium	Vanadium	Zinc	Zirconium
ADB-04	1a	1	N	4/18/1996	--	--	--	--	--	--	48	--	--
ADB-04	1a	5	N	4/18/1996	--	--	--	--	--	--	52	--	--
ADB-05	1a	1	N	4/19/1996	--	--	--	--	--	--	41	--	--
B-16	12	2	N	5/19/2000	--	--	--	--	--	--	--	43	--
B-16	12	5	N	5/19/2000	--	--	--	--	--	--	--	32	--
B-16	12	10	N	5/19/2000	--	--	--	--	--	--	--	--	--
B-16	12	20	N	5/19/2000	--	--	--	--	--	--	--	--	--
BDB-19	6d	1	N	10/13/1999	--	< 0.5 U	--	--	--	--	--	--	--
BDB-19	1a	1	N	3/25/1996	--	--	--	--	--	--	41	--	--
BDB-19	1a	5	N	3/25/1996	--	--	--	--	--	--	33	--	--
CSPUO-07NC	7b	1	N	4/27/2000	--	< 0.53 U	--	--	--	--	70	57	--
CSPUO-07NE	7b	1	N	4/27/2000	--	0.63	--	--	--	--	100	120	--
CSPUO-07NE2	7b	1	N	5/16/2000	--	< 0.54 U	--	--	--	--	41	83	--
CSPUO-07SC	7b	1	N	4/27/2000	--	< 0.54 U	--	--	--	--	96	180	--
CSPUO-07SE	7b	1	N	4/27/2000	--	< 0.53 U	--	--	--	--	66	170	--
CSPUO-07SW	7b	1	N	4/27/2000	--	< 0.54 U	--	--	--	--	98	110	--
CSPUO-07SW2	7b	1	N	5/16/2000	--	0.74	--	--	--	--	38	140	--
CSPUP-08SC	7b	1	N	4/28/2000	--	< 0.55 U	--	--	--	--	75	190	--
CSPUP-08SE	7b	1	N	4/28/2000	--	< 0.55 U	--	--	--	--	76	96	--
DBMW-10	46	1	N	6/26/2007	< 421.4 U	< 0.25 U	< 0.06575 U	478	< 0.25 U	0.9	32.1	32.9 J+	9.2 J
DBMW-10	46	10	N	6/26/2007	478 J	< 0.25 U	< 0.06575 U	549	< 0.25 U	1	34.7	34.8 J+	11.9 J
DBMW-10	46	20	N	6/26/2007	< 421.4 U	< 0.25 U	< 0.06575 U	552	< 0.25 U	1	35.8	37.7 J+	11.2 J
DBMW-10	46	30	N	6/26/2007	< 421.4 U	< 0.25 U	< 0.06575 U	431	< 0.25 U	0.78	22.8	24.8 J+	8.1 J
DBMW-10	46	30	FD	6/26/2007	< 421.4 U	< 0.25 U	< 0.06575 U	556	< 0.25 U	0.87	29.4	28.9 J+	9 J
DBMW-10	46	40	N	6/26/2007	< 421.4 U	< 0.25 U	< 0.06575 U	575	< 0.25 U	1	32	37.4 J+	11.5 J
DBMW-10	46	50	N	6/26/2007	< 421.4 U	< 0.25 U	< 0.06575 U	602	< 0.25 U	1.2	35.3	53.3 J+	14.6 J
DBMW-10	46	60	N	6/27/2007	< 421.4 U	< 0.25 U	< 0.06575 U	529	< 0.25 U	0.99	31.8	53.3 J+	14.3 J
DBMW-10	46	70	N	7/2/2007	< 421.4 U	< 0.5 U	0.54 J	354	< 0.5 U	8.7	36	45.8 J+	19.3 J
DBMW-11	46	1	N	7/5/2007	< 421.4 U	< 0.25 U	0.26 J	414	0.29 J	0.51	25.4	24.1 J+	8.2 J
DBMW-11	46	10	N	7/5/2007	< 421.4 U	< 0.25 U	0.44 J	376	0.29 J	0.68	31.7	28.8 J+	8.2 J
DBMW-11	46	20	N	7/5/2007	< 421.4 U	< 0.25 U	0.28 J	459	< 0.25 U	1.2	28	33.4 J+	11.9 J
DBMW-11	46	30	N	7/6/2007	552 J	< 0.25 U	< 0.06575 U	550 J+	0.59 J	2.1	40.9	42.5	15.6 J
DBMW-11	46	40	N	7/6/2007	61300	< 0.5 U	< 0.1315 U	391 J+	< 0.5 U	5	32	48.3	19.5 J
DBMW-11	46	50	N	7/6/2007	56600	< 0.5 U	1.5	500 J+	< 0.5 U	6.1	41.1	62.7	23.5 J
DBMW-11	46	50	FD	7/6/2007	48400	< 0.5 U	< 0.1315 U	612 J+	< 0.5 U	7.3	44	74.3	28.1 J
DBMW-11	46	60	N	7/6/2007	93300	< 0.5 U	< 0.1315 U	446 J+	< 0.5 U	8.3	40.8	57.7	24 J
DBMW-11	46	70	N	7/6/2007	45700	< 0.5 U	< 0.1315 U	439 J+	< 0.5 U	4.7	39.5	68.6	22.9 J
DBMW-9	46	1	N	6/25/2007	< 421.4 U	< 0.25 U	0.32 J	478	0.36 J	0.79	34.3 J-	31.3 J-	7.4 J
DBMW-9	46	10	N	6/25/2007	< 421.4 U	< 0.25 U	0.42 J	643	0.28 J	1.1	45.1 J-	38.6 J-	10.7 J

TABLE B-1
SOIL METALS DATA
UPPER PONDS SUB-AREA
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Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Metals								
					Sulfur	Thallium	Tin	Titanium	Tungsten	Uranium	Vanadium	Zinc	Zirconium
DBMW-9	46	20	N	6/25/2007	< 1053.5 U	< 0.25 U	0.42 J	600	< 0.25 U	0.94	46.8 J-	39.1 J-	12.4 J
DBMW-9	46	20	FD	6/25/2007	< 421.4 U	< 0.25 U	0.41 J	637	< 0.25 U	0.92	44.3 J-	39.4 J-	12.4 J
DBMW-9	46	30	N	6/25/2007	< 421.4 U	< 0.25 U	0.56	802	0.33 J	0.91	45.2 J-	40.2 J-	16.6 J
DBMW-9	46	40	N	6/25/2007	< 421.4 U	< 0.25 U	0.47 J	704	0.3 J	0.82	40.2 J-	34.6 J-	14.1 J
DBMW-9	46	50	N	6/25/2007	116000	< 0.25 U	< 0.06575 U	93.5	< 0.25 U	7.5	19.8 J-	< 1.625 UJ	4.8 J
DBMW-9	46	60	N	6/25/2007	95700	< 0.5 U	0.21 J	201	< 0.5 U	8.6	24.6 J-	27.3 J-	10.9 J
DBMW-9	46	70	N	6/25/2007	72600	< 0.5 U	0.51 J	395	< 0.5 U	5.2	36.1 J-	54.6 J-	21.2 J
PRBD-02	8c	1	N	10/3/2000	--	--	--	--	--	--	--	--	--
PRSSNP-07	20c	0	N	6/20/2001	--	< 5.1 U	--	587	--	--	27.9	55.6	--
PUH-01	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUH-02	6d	0	N	10/12/1999	--	< 0.5 U	--	--	--	--	--	--	--
PUH-02	1a	1	N	3/25/1996	--	--	--	--	--	--	38	--	--
PUH-02	1a	5	N	3/25/1996	--	--	--	--	--	--	23	--	--
PUH-03	6d	1	N	10/12/1999	--	< 0.5 U	--	--	--	--	64	--	--
PUH-04	6d	0	N	10/12/1999	--	< 0.5 U	--	--	--	--	38	--	--
PUH-04NCD	8a	1	N	7/19/2000	--	--	--	--	--	--	--	--	--
PUH-04NCOM	8a	1	N	7/19/2000	--	--	--	--	--	--	--	--	--
PUH-04NED	8a	1	N	7/19/2000	--	--	--	--	--	--	--	--	--
PUH-04NWD	8a	1	N	7/19/2000	--	--	--	--	--	--	--	--	--
PUH-04SCD	8a	1	N	7/19/2000	--	--	--	--	--	--	--	--	--
PUH-04SCOM	8a	1	N	7/19/2000	--	--	--	--	--	--	--	--	--
PUH-04SED	8a	1	N	7/19/2000	--	--	--	--	--	--	--	--	--
PUH-04SWD	8a	1	N	7/19/2000	--	--	--	--	--	--	--	--	--
PUH-05	6d	1	N	10/12/1999	--	< 0.5 U	--	--	--	--	37	--	--
PUH-06	6d	1	N	10/12/1999	--	1.7	--	--	--	--	190	--	--
PUI-01	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUI-02	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUI-03	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUI-04	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUI-05	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUI-06	6d	1	N	10/12/1999	--	< 0.5 U	--	--	--	--	30	--	--
PUI-07	6d	0	N	10/12/1999	--	< 0.5 U	--	--	--	--	40	--	--
PUI-12	6d	0	N	10/27/1999	--	< 0.5 U	--	--	--	--	98	--	--
PUI-13	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUI-14	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUJ-01	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUJ-02	6d	0	N	10/13/1999	--	< 0.5 U	--	--	--	--	24	--	--
PUJ-03	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUJ-04	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--

TABLE B-1
SOIL METALS DATA
UPPER PONDS SUB-AREA
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Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Metals								
					Sulfur	Thallium	Tin	Titanium	Tungsten	Uranium	Vanadium	Zinc	Zirconium
PUJ-05	6d	1	N	10/12/1999	--	< 0.5 U	--	--	--	--	32	--	--
PUJ-06	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUJ-13	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUJ-14	6d	1	N	10/13/1999	--	< 0.5 U	--	--	--	--	--	--	--
PUJ-14	1a	1	N	3/22/1996	--	--	--	--	--	--	49	--	--
PUJ-14	1a	5	N	3/22/1996	--	--	--	--	--	--	49	--	--
PUK-01	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUK-02	6d	0	N	10/13/1999	--	< 0.5 U	--	--	--	--	--	--	--
PUK-02	1a	1	N	3/25/1996	--	--	--	--	--	--	23	--	--
PUK-02	1a	5	N	3/25/1996	--	--	--	--	--	--	14	--	--
PUK-03	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUK-04	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUK-05	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUK-06	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUK-12	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUK-13	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUL-01	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUL-02	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUL-03	6d	0	N	10/13/1999	--	< 0.5 U	--	--	--	--	--	--	--
PUL-03	1a	1	N	3/25/1996	--	--	--	--	--	--	33	--	--
PUL-03	1a	5	N	3/25/1996	--	--	--	--	--	--	30	--	--
PUL-04	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUL-09	6d	1	N	10/13/1999	--	< 0.5 U	--	--	--	--	--	--	--
PUL-09	1a	1	N	3/22/1996	--	--	--	--	--	--	61	--	--
PUL-09	1a	5	N	3/22/1996	--	--	--	--	--	--	56	--	--
PUL-10	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUL-11	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUM-02	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUM-03	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUM-04	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUM-05	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUM-06	1a	1	N	3/22/1996	--	--	--	--	--	--	100	--	--
PUM-06	1a	5	N	3/22/1996	--	--	--	--	--	--	47	--	--
PUM-09	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUM-10	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUM-11	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUN-04	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUN-05	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUN-06	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--

TABLE B-1
SOIL METALS DATA
UPPER PONDS SUB-AREA
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Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Metals								
					Sulfur	Thallium	Tin	Titanium	Tungsten	Uranium	Vanadium	Zinc	Zirconium
PUO-06	6d	1	N	10/26/1999	--	--	--	--	--	--	--	--	--
PUO-07BSSE	7d	0.5	N	3/24/2000	--	19	--	--	--	--	790	1300	--
PUO-07BSSE	7d	1.5	N	3/24/2000	--	< 0.53 U	--	--	--	--	57	180	--
PUO-07BSSW	7d	0.5	N	3/24/2000	--	2.6	--	--	--	--	210	200	--
PUO-07BSSW	7d	1.5	N	3/24/2000	--	1.4	--	--	--	--	42	190	--
SB-11-B	27	0	N	6/18/2004	--	< 1.1 U	< 1.1 U	579 J	< 0.53 UJ-	0.53 J	37.1 J+	49.6 J+	7.7 J
SB-11-B	27	18.5	N	6/18/2004	--	< 1.1 U	< 1.1 U	975 J	< 0.57 UJ-	1.4	52.5 J+	45.8 J+	18.4 J
SB-11-B	27	37	N	6/24/2004	--	< 1.8 U	< 1.8 U	501 J	< 0.92 UJ-	17	45.4 J+	44.5 J+	20.6 J
SB-11-B	27	57	N	6/24/2004	--	< 1.8 U	< 1.8 U	420 J	< 0.89 UJ-	12.5	117 J+	33.3 J+	14.2 J
SB-11-B	27	77	N	6/24/2004	--	< 1.5 U	< 1.5 U	255 J	< 0.74 UJ-	21.9	32.3 J+	17 J+	6.1 J
SB-15-A	27	0	N	6/19/2004	--	< 1 U	0.32 J	704	0.36 J	0.81 J	49.3	49.8	1.7 J
SB-15-A	27	7	N	6/19/2004	--	< 1.1 U	0.38 J	1170	0.32 J	0.93 J	68.8	54.3	14.2
SB-15-A	27	17	N	6/19/2004	--	< 1 U	0.43 J	355	0.24 J	0.81 J	27.5	28.8	1.7 J
SB-15-A	27	47	N	6/19/2004	--	< 1.7 U	0.48 J	221	0.33 J	22.8	27.8	20.1	7.9 J
SB-15-A	27	57	N	6/19/2004	--	< 1.6 U	0.64 J	409	0.2 J	3	29.6	30.7	13.6 J
SB-15-A	27	77	N	6/19/2004	--	< 1.2 U	0.24 J	656	0.15 J	4.2	39.9	56.7	30.4
SB-17-A	27	0	N	7/7/2004	--	< 1 U	0.8 J	374	1.8	0.69 J	33	37	12.9
SB-17-A	27	7	N	7/7/2004	--	< 1 U	0.23 J	501	< 0.51 U	0.73 J	23	36.1	5 J
SB-17-A	27	17	N	7/7/2004	--	< 1 U	0.36 J	316	< 0.51 U	1.1	24	26	3.2 J
SB-17-A	27	27	N	7/7/2004	--	< 1.3 U	0.4 J	334	< 0.64 U	6	18.2	44.2	15.8
SB-17-A	27	47	N	7/7/2004	--	< 1.4 U	0.36 J	291	< 0.71 U	10	25.7	41	15.3
SB-17-A	27	57	N	7/7/2004	--	< 1.3 U	< 1.3 U	287	< 0.67 U	8	21.6	27.1	5.5 J
SB-17-A	27	77	N	7/7/2004	--	< 1 U	0.27 J	110	< 0.52 U	1.3	21.5	28.2	4 J
SB-17-A	27	97	N	7/7/2004	--	< 1.4 U	0.18 J	355	< 0.7 U	5.4	16.4	18	8.1 J
SB-18-A	27	0	N	6/21/2004	--	< 1 U	< 1.1 U	395	0.31 J	0.65 J	27.8	33.4	3.7 J
SB-18-A	27	7	N	6/21/2004	--	< 1 U	< 1 U	448	0.23 J	0.74 J	33.9	31.9	5.9 J
SB-18-A	27	17	N	6/21/2004	--	< 1 U	< 1 U	449	0.22 J	0.7 J	32.9	33.3	6.3 J
SB-18-A	27	27	N	6/21/2004	--	< 1 U	< 1 U	484	0.3 J	0.99 J	32	35.7	6.6 J
SB-18-A	27	47	N	6/21/2004	--	< 1 U	< 1 U	466	0.27 J	0.87 J	29.4	35.5	5.3 J
SB-18-A	27	77	N	6/21/2004	--	< 1 U	0.31 J	526	0.3 J	9.5	44	39.2	14.2
SB-18-A	27	87	N	6/21/2004	--	< 1 U	0.42 J	581	0.31 J	3.3	33.3	78.9	15.7
SB-18-A	27	97	N	6/21/2004	--	< 1 U	< 1.3 U	255	< 0.67 U	7.9	17	28.4	10.3
SB-19-A	27	0	N	7/8/2004	--	< 1 U	0.82 J	662	1.7	0.8 J	43.1 J-	49.5	12.5
SB-19-A	27	7	N	7/8/2004	--	< 1 U	0.68 J	604	1.4	0.85 J	38.2	43.2	12
SB-19-A	27	17	N	7/8/2004	--	< 1.1 U	0.34 J	355	0.57	1.4	31.9	36.8	5.9 J
SB-19-A	27	27	N	7/8/2004	--	< 1 U	0.33 J	400	0.43 J	2.3	28.4	31.5	7.1 J
SB-19-A	27	57	N	7/9/2004	--	< 1.8 U	0.66 J	458	0.5 J	7	33.7	81.8	21.7
SB-19-A	27	77	N	7/9/2004	--	< 1.4 U	0.79 J	602	0.36 J	3.6	33.8	70.9	28.9
SB-19-A	27	97	N	7/9/2004	--	< 1.7 U	1.1 J	599	0.27 J	8.1	41	153	29.4

TABLE B-1
SOIL METALS DATA
UPPER PONDS SUB-AREA
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Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Metals								
					Sulfur	Thallium	Tin	Titanium	Tungsten	Uranium	Vanadium	Zinc	Zirconium
SWB-11	33	0	N	4/12/2005	--	--	--	--	--	--	--	--	--
SWB-11	33	5	N	4/12/2005	--	--	--	--	--	--	--	--	--
SWB-11	33	10	N	4/12/2005	--	--	--	--	--	--	--	--	--
SWB-11	33	20	N	4/12/2005	--	--	--	--	--	--	--	--	--
SWB-11	33	30	N	4/12/2005	--	--	--	--	--	--	--	--	--
SWB-11	33	40	N	4/12/2005	--	--	--	--	--	--	--	--	--

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in mg/kg.
-- = no sample data.
Shaded results indicate soil has been excavated and removed.

TABLE B-2
SOIL ORGANOCHLORINE PESTICIDES DATA
UPPER PONDS SUB-AREA
(Page 1 of 6)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Organochlorine Pesticides											
					2,4-DDD	2,4-DDE	4,4-DDD	4,4-DDE	4,4-DDT	Aldrin	alpha-BHC	alpha-Chlordane	beta-BHC	Chlordane	delta-BHC	Dieldrin
ADB-04	1a	1	N	4/18/1996	--	--	< 0.0036 U	0.0078	0.0056	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.044 U	< 0.0019 U	< 0.0036 U
ADB-04	1a	5	N	4/18/1996	--	--	< 0.0036 U	0.0027	0.0024	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.043 U	< 0.0018 U	< 0.0036 U
ADB-05	1a	1	N	4/19/1996	--	--	< 0.0033 U	0.012	0.027	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.04 U	< 0.0017 U	< 0.0033 U
BDB-19	1a	1	N	3/25/1996	--	--	< 0.0033 U	0.0086 J+	< 0.0033 U	< 0.0017 U	< 0.0017 U	< 0.017 U	0.0052 J+	< 0.04 U	< 0.017 U	< 0.0033 U
BDB-19	1a	5	N	3/25/1996	--	--	< 0.0033 U	< 0.0033 U	< 0.0033 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.04 U	< 0.0017 U	< 0.0033 U
DBMW-10	46	1	N	6/26/2007	< 0.00012 U	< 0.000092 U	< 0.00017 U	< 0.00026 U	< 0.00044 U	< 0.000091 U	< 0.000099 U	< 0.0001 U	< 0.00036 U	< 0.0024 U	< 0.000086 U	< 0.000075 U
DBMW-10	46	10	N	6/26/2007	< 0.00012 U	< 0.000093 U	< 0.00017 U	< 0.00026 U	< 0.00045 U	< 0.000092 U	< 0.0001 U	< 0.0001 U	< 0.00036 U	< 0.0024 U	< 0.000087 U	< 0.000076 U
DBMW-10	46	20	N	6/26/2007	< 0.00012 U	< 0.000092 U	< 0.00017 U	< 0.00026 U	< 0.00044 U	< 0.000091 U	< 0.000099 U	< 0.0001 U	< 0.00036 U	< 0.0024 U	< 0.000086 U	< 0.000075 U
DBMW-10	46	30	N	6/26/2007	< 0.00012 U	< 0.000095 U	< 0.00017 U	< 0.00027 U	< 0.00045 U	< 0.000093 U	< 0.0001 U	< 0.00011 U	< 0.00037 U	< 0.0024 U	< 0.000088 U	< 0.000077 U
DBMW-10	46	30	FD	6/26/2007	< 0.00013 U	< 0.000099 U	< 0.00018 U	< 0.00028 U	< 0.00048 U	< 0.000098 U	< 0.00011 U	< 0.00011 U	< 0.00038 U	< 0.0025 U	< 0.000093 U	< 0.000081 U
DBMW-10	46	40	N	6/26/2007	< 0.00012 U	< 0.000094 U	< 0.00017 U	< 0.00026 U	< 0.00045 U	< 0.000092 U	< 0.0001 U	< 0.0001 U	< 0.00036 U	< 0.0024 U	< 0.000087 U	< 0.000076 U
DBMW-10	46	50	N	6/26/2007	< 0.00012 U	< 0.000094 U	< 0.00017 U	< 0.00027 U	< 0.00045 U	< 0.000093 U	< 0.0001 U	< 0.00011 U	< 0.00036 U	< 0.0024 U	< 0.000088 U	< 0.000077 U
DBMW-10	46	60	N	6/27/2007	< 0.00012 U	< 0.000098 U	< 0.00018 U	< 0.00028 U	< 0.00047 U	< 0.000097 U	< 0.00011 U	< 0.00011 U	< 0.00038 U	< 0.0025 U	< 0.000092 U	< 0.00008 U
DBMW-10	46	70	N	7/2/2007	< 0.00016 U	< 0.00013 U	< 0.00023 U	< 0.00036 U	< 0.00061 U	< 0.00013 U	< 0.00014 U	< 0.00014 U	< 0.00049 U	< 0.0033 U	< 0.00012 U	< 0.0001 U
DBMW-11	46	1	N	7/5/2007	< 0.00011 U	< 0.00009 U	< 0.00016 U	< 0.00026 U	< 0.00043 U	< 0.000089 U	< 0.000097 U	< 0.0001 U	< 0.00035 U	< 0.0023 U	< 0.000084 U	< 0.000074 U
DBMW-11	46	10	N	7/5/2007	< 0.00012 U	< 0.000093 U	< 0.00017 U	< 0.00026 U	< 0.00044 U	< 0.000091 U	< 0.0001 U	< 0.0001 U	< 0.00036 U	< 0.0024 U	< 0.000087 U	< 0.000075 U
DBMW-11	46	20	N	7/5/2007	< 0.00012 U	< 0.000094 U	< 0.00017 U	< 0.00027 U	< 0.00045 U	< 0.000092 U	< 0.0001 U	< 0.0001 U	< 0.00036 U	< 0.0024 U	< 0.000088 U	< 0.000076 U
DBMW-11	46	30	N	7/6/2007	< 0.00013 U	< 0.0001 U	< 0.00018 U	< 0.00028 U	< 0.00048 U	< 0.000099 U	< 0.00011 U	< 0.00011 U	< 0.00039 U	< 0.0026 U	< 0.000094 U	< 0.000082 U
DBMW-11	46	40	N	7/6/2007	< 0.00015 U	< 0.00011 U	< 0.00021 U	< 0.00032 U	< 0.00055 U	< 0.00011 U	< 0.00012 U	< 0.00013 U	< 0.00044 U	< 0.0029 U	< 0.00011 U	< 0.000093 U
DBMW-11	46	50	N	7/6/2007	< 0.00015 U	< 0.00012 U	< 0.00021 U	< 0.00033 U	< 0.00055 U	< 0.00011 U	< 0.00012 U	< 0.00013 U	< 0.00045 U	< 0.0029 U	< 0.00011 U	< 0.000094 U
DBMW-11	46	50	FD	7/6/2007	< 0.00016 U	< 0.00013 U	< 0.00023 U	< 0.00035 U	< 0.0006 U	< 0.00012 U	< 0.00013 U	< 0.00014 U	< 0.00048 U	< 0.0032 U	< 0.00012 U	< 0.0001 U
DBMW-11	46	60	N	7/6/2007	< 0.00018 U	< 0.00014 U	< 0.00025 U	< 0.0004 U	< 0.00067 U	< 0.00014 U	< 0.00015 U	< 0.00016 U	< 0.00055 U	< 0.0036 U	< 0.00013 U	< 0.00011 U
DBMW-11	46	70	N	7/6/2007	< 0.00015 U	< 0.00012 U	< 0.00021 U	< 0.00033 U	< 0.00056 U	< 0.00012 U	< 0.00013 U	< 0.00013 U	< 0.00045 U	< 0.003 U	< 0.00011 U	< 0.000096 U
DBMW-9	46	1	N	6/25/2007	< 0.00011 U	< 0.000091 U	< 0.00016 U	< 0.00026 U	< 0.00043 U	< 0.000089 U	< 0.000098 U	< 0.0001 U	< 0.00035 U	< 0.0023 U	< 0.000085 U	< 0.000074 U
DBMW-9	46	10	N	6/25/2007	< 0.00012 U	< 0.000091 U	< 0.00016 U	< 0.00026 U	< 0.00044 U	< 0.00009 U	< 0.000098 U	< 0.0001 U	< 0.00035 U	< 0.0023 U	< 0.000085 U	< 0.000074 U
DBMW-9	46	20	N	6/25/2007	< 0.00012 U	< 0.000093 U	< 0.00017 U	< 0.00026 U	< 0.00044 U	< 0.000091 U	< 0.0001 U	< 0.0001 U	< 0.00036 U	< 0.0024 U	< 0.000086 U	< 0.000075 U
DBMW-9	46	20	FD	6/25/2007	< 0.00012 U	< 0.000093 U	< 0.00017 U	< 0.00026 U	< 0.00044 U	< 0.000091 U	< 0.0001 U	< 0.0001 U	< 0.00036 U	< 0.0024 U	< 0.000086 U	< 0.000075 U
DBMW-9	46	30	N	6/25/2007	< 0.00012 U	< 0.000093 U	< 0.00017 U	< 0.00026 U	< 0.00045 U	< 0.000092 U	< 0.0001 U	< 0.0001 U	< 0.00036 U	< 0.0024 U	< 0.000087 U	< 0.000076 U
DBMW-9	46	40	N	6/25/2007	< 0.00012 U	< 0.000093 U	< 0.00017 U	< 0.00026 U	< 0.00044 U	< 0.000091 U	< 0.0001 U	< 0.0001 U	< 0.00036 U	< 0.0024 U	< 0.000086 U	< 0.000075 U
DBMW-9	46	50	N	6/25/2007	< 0.00014 U	< 0.00011 U	< 0.0002 U	< 0.00032 U	< 0.00054 U	< 0.00011 U	< 0.00012 U	< 0.00013 U	< 0.00044 U	< 0.0029 U	< 0.00011 U	< 0.000092 U
DBMW-9	46	60	N	6/25/2007	< 0.00015 U	< 0.00012 U	< 0.00021 U	< 0.00034 U	< 0.00057 U	< 0.00012 U	< 0.00013 U	< 0.00013 U	< 0.00046 U	< 0.003 U	< 0.00011 U	< 0.000097 U
DBMW-9	46	70	N	6/25/2007	< 0.00015 U	< 0.00012 U	< 0.00021 U	< 0.00033 U	< 0.00056 U	< 0.00012 U	< 0.00013 U	< 0.00013 U	< 0.00046 U	< 0.003 U	< 0.00011 U	< 0.000096 U
PRSSNP-07	20c	0	N	6/20/2001	--	--	< 0.0017 U	0.0032	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	--	< 0.0017 U	< 0.0017 U
PUH-02	1a	1	N	3/25/1996	--	--	< 0.0033 U	0.052	0.0047	< 0.0017 U	< 0.0017 U	< 0.0017 U	0.0038	< 0.04 U	< 0.0017 U	< 0.0033 U
PUH-02	1a	5	N	3/25/1996	--	--	< 0.0033 U	0.0068 J+	< 0.0033 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.04 U	< 0.0017 U	< 0.0033 U
PUH-03	6d	1	N	10/12/1999	--	--	< 0.005 U	0.64	0.071	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.06 U	< 0.005 U	< 0.005 U
PUH-04	6d	0	N	10/12/1999	--	--	< 0.005 U	0.079	0.014	< 0.005 U	< 0.005 U	0.0077	< 0.005 U	< 0.1 U	< 0.005 U	< 0.005 U
PUH-04NCD	8a	1	N	7/19/2000	--	--	< 0.00502 U	0.0084	< 0.00502 U	< 0.00502 U	< 0.00502 U	< 0.00502 U	< 0.00502 U	< 0.0201 U	< 0.00502 U	< 0.00502 U
PUH-04NCOM	8a	1	N	7/19/2000	--	--	< 0.00505 U	0.016	< 0.00505 U	< 0.00505 U	< 0.00505 U	< 0.00505 U	< 0.00505 U	< 0.0202 U	< 0.00505 U	< 0.00505 U

TABLE B-2
SOIL ORGANOCHLORINE PESTICIDES DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Organochlorine Pesticides											
					2,4-DDD	2,4-DDE	4,4-DDD	4,4-DDE	4,4-DDT	Aldrin	alpha-BHC	alpha-Chlordane	beta-BHC	Chlordane	delta-BHC	Dieldrin
PUH-04NED	8a	1	N	7/19/2000	--	--	< 0.00765 U	0.014	< 0.00765 U	< 0.00765 U	< 0.00765 U	< 0.00765 U	< 0.00765 U	< 0.03062 U	< 0.00765 U	< 0.00765 U
PUH-04NWD	8a	1	N	7/19/2000	--	--	< 0.00503 U	0.032	0.007	< 0.00503 U	< 0.00503 U	< 0.00503 U	< 0.00503 U	< 0.02014 U	< 0.00503 U	< 0.00503 U
PUH-04SCD	8a	1	N	7/19/2000	--	--	< 0.00502 U	1.1	0.19	< 0.00502 U	< 0.00502 U	< 0.00502 U	0.04	< 0.0201 U	< 0.00502 U	< 0.00502 U
PUH-04SCOM	8a	1	N	7/19/2000	--	--	< 0.00504 U	0.41	0.064	< 0.00504 U	< 0.00504 U	< 0.00504 U	0.013	< 0.02016 U	< 0.00504 U	< 0.00504 U
PUH-04SED	8a	1	N	7/19/2000	--	--	< 0.00509 U	< 0.00509 U	< 0.00509 U	< 0.00509 U	< 0.00509 U	< 0.00509 U	< 0.00509 U	< 0.02038 U	< 0.00509 U	< 0.00509 U
PUH-04SWD	8a	1	N	7/19/2000	--	--	< 0.00505 U	0.13	0.026	< 0.00505 U	< 0.00505 U	< 0.00505 U	0.0081	< 0.0202 U	< 0.00505 U	< 0.00505 U
PUH-05	6d	1	N	10/12/1999	--	--	< 0.005 U	0.12	0.027	< 0.005 U	< 0.005 U	0.02	< 0.005 U	< 0.06 U	< 0.005 U	< 0.005 U
PUH-06	6d	1	N	10/12/1999	--	--	< 0.005 U	0.48 J+	0.095 J+	< 0.005 U	< 0.005 U	0.044 J+	0.037 J+	< 0.06 U	< 0.005 U	< 0.005 U
PUI-06	6d	1	N	10/12/1999	--	--	< 0.005 U	0.013	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.013	< 0.06 U	< 0.005 U	< 0.005 U
PUI-07	6d	0	N	10/12/1999	--	--	< 0.005 U	0.096	0.021	< 0.005 U	< 0.005 U	0.0084	0.011	< 0.06 U	< 0.005 U	< 0.005 U
PUI-12	6d	0	N	10/27/1999	--	--	0.0057	0.066	0.02	< 0.005 U	< 0.005 U	< 0.005 U	0.019	< 0.02 U	< 0.005 U	< 0.005 U
PUJ-02	6d	0	N	10/13/1999	--	--	< 0.005 U	0.034	0.0091	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.06 U	< 0.005 U	< 0.005 U
PUJ-05	6d	1	N	10/12/1999	--	--	< 0.005 U	0.04	0.013	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.06 U	< 0.005 U	< 0.005 U
PUJ-14	1a	1	N	3/22/1996	--	--	0.008	0.099	0.11	< 0.0017 U	0.0043	< 0.0017 U	0.02	< 0.04 U	< 0.0017 U	< 0.0033 U
PUJ-14	1a	5	N	3/22/1996	--	--	< 0.0036 U	< 0.0036 U	< 0.0036 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.044 U	< 0.0019 U	< 0.0036 U
PUK-02	1a	1	N	3/25/1996	--	--	< 0.0033 U	0.0018 J+	0.0061 J+	< 0.0017 U	< 0.0017 U	< 0.0017 U	0.0056 J+	< 0.04 U	< 0.0017 U	< 0.0033 U
PUK-02	1a	5	N	3/25/1996	--	--	< 0.0036 U	< 0.0036 U	< 0.0036 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.044 U	< 0.0019 U	< 0.0036 U
PUL-03	1a	1	N	3/25/1996	--	--	< 0.0033 U	0.039	0.0065	< 0.0017 U	< 0.0017 U	< 0.0017 U	0.0057	< 0.04 U	< 0.0017 U	< 0.0033 U
PUL-03	1a	5	N	3/25/1996	--	--	< 0.0033 U	0.16 J+	0.062 J+	< 0.0017 U	< 0.0017 U	< 0.0017 U	0.015 J+	< 0.04 U	< 0.0017 U	< 0.0033 U
PUL-09	1a	1	N	3/22/1996	--	--	< 0.0033 U	0.044	0.038	< 0.0017 U	< 0.0017 U	< 0.0017 U	0.016	< 0.04 U	< 0.0017 U	< 0.0033 U
PUL-09	1a	5	N	3/22/1996	--	--	< 0.0036 U	< 0.0036 U	< 0.0036 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.044 U	< 0.0019 U	< 0.0036 U
PUM-06	1a	1	N	3/22/1996	--	--	0.0051 J+	0.091 J+	0.092 J+	< 0.0017 U	0.0023 J+	< 0.0017 U	0.019 J+	< 0.04 U	< 0.0017 U	< 0.0033 U
PUM-06	1a	5	N	3/22/1996	--	--	< 0.0033 U	< 0.0033 U	< 0.0033 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.04 U	< 0.0017 U	< 0.0033 U
SB-11-B	27	0	N	6/18/2004	--	< 0.0018 UJ	< 0.0018 UJ	0.0024 J	< 0.0018 UJ	< 0.0018 UJ	< 0.0018 UJ	< 0.0018 UJ	0.008 J	< 0.018 UJ	< 0.0018 UJ	< 0.0018 UJ
SB-11-B	27	18.5	N	6/18/2004	--	< 0.0019 UJ+	< 0.0019 UJ	< 0.0019 UJ	0.0028 J+	< 0.0019 UJ	0.0034 J+	< 0.0019 UJ	< 0.0019 UJ+	< 0.019 UJ	< 0.0019 UJ+	< 0.0019 UJ+
SB-11-B	27	37	N	6/24/2004	--	< 0.0031 UJ	< 0.0031 UJ	< 0.0031 UJ	< 0.0031 UJ	< 0.0031 UJ	< 0.0031 UJ	< 0.0031 UJ	< 0.0031 UJ	< 0.031 UJ	< 0.0031 UJ	< 0.0031 UJ
SB-11-B	27	57	N	6/24/2004	--	< 0.003 UJ	< 0.003 UJ	< 0.003 UJ	< 0.003 UJ	< 0.003 UJ	< 0.003 UJ	< 0.003 UJ	< 0.003 UJ	< 0.03 UJ	< 0.003 UJ	< 0.003 UJ
SB-11-B	27	77	N	6/24/2004	--	< 0.0025 UJ	< 0.0025 UJ	< 0.0025 UJ	< 0.0025 UJ	< 0.0025 UJ	< 0.0025 UJ	< 0.0025 UJ	< 0.0025 UJ	< 0.025 UJ	< 0.0025 UJ	< 0.0025 UJ
SB-15-A	27	0	N	6/19/2004	--	< 0.0018 U	< 0.0018 U	0.003	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	0.0026	< 0.018 U	< 0.0018 U	< 0.0018 U
SB-15-A	27	7	N	6/19/2004	--	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.018 U	< 0.0018 U	< 0.0018 U
SB-15-A	27	17	N	6/19/2004	--	< 0.0018 U	< 0.0018 U	< 0.0018 U	0.0048	< 0.0018 U	0.0056	< 0.0018 U	< 0.0018 U	< 0.018 U	< 0.0018 U	< 0.0018 U
SB-15-A	27	47	N	6/19/2004	--	< 0.0029 U	< 0.0029 U	< 0.0029 U	0.0081	< 0.0029 U	0.01	< 0.0029 U	< 0.0029 U	< 0.029 U	< 0.0029 U	< 0.0029 U
SB-15-A	27	57	N	6/19/2004	--	< 0.0027 U	< 0.0027 U	< 0.0027 U	< 0.0027 U	< 0.0027 U	< 0.0027 U	< 0.0027 U	< 0.0027 U	< 0.027 U	< 0.0027 U	< 0.0027 U
SB-15-A	27	77	N	6/19/2004	--	< 0.0021 U	< 0.0021 U	< 0.0021 U	0.0037	< 0.0021 U	0.0078	< 0.0021 U	< 0.0021 U	< 0.021 U	< 0.0021 U	< 0.0021 U
SB-17-A	27	0	N	7/7/2004	--	< 0.0017 U	< 0.0017 U	0.0066	0.0022	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.017 U	< 0.0017 U	< 0.0017 U
SB-17-A	27	7	N	7/7/2004	--	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.017 U	< 0.0017 U	< 0.0017 U
SB-17-A	27	17	N	7/7/2004	--	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.017 U	< 0.0017 U	< 0.0017 U
SB-17-A	27	27	N	7/7/2004	--	< 0.0022 U	< 0.0022 U	< 0.0022 U	< 0.0022 U	< 0.0022 U	< 0.0022 U	< 0.0022 U	< 0.0022 U	< 0.022 U	< 0.0022 U	< 0.0022 U
SB-17-A	27	47	N	7/7/2004	--	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	0.0039	< 0.024 U	< 0.0024 U	< 0.0024 U

TABLE B-2
SOIL ORGANOCHLORINE PESTICIDES DATA
UPPER PONDS SUB-AREA
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Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Organochlorine Pesticides											
					2,4-DDD	2,4-DDE	4,4-DDD	4,4-DDE	4,4-DDT	Aldrin	alpha-BHC	alpha-Chlordane	beta-BHC	Chlordane	delta-BHC	Dieldrin
SB-17-A	27	57	N	7/7/2004	--	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.023 U	< 0.0023 U	< 0.0023 U
SB-17-A	27	77	N	7/7/2004	--	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.018 U	< 0.0018 U	< 0.0018 U
SB-17-A	27	97	N	7/7/2004	--	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.024 U	< 0.0024 U	< 0.0024 U
SB-18-A	27	0	N	6/21/2004	--	< 0.0018 U	< 0.0018 U	< 0.0018 U	0.0024	< 0.0018 U	0.0039	< 0.0018 U	< 0.0018 U	< 0.018 U	< 0.0018 U	< 0.0018 U
SB-18-A	27	7	N	6/21/2004	--	< 0.0017 U	0.0025	< 0.0017 U	0.0078	< 0.0017 U	0.018	< 0.0017 U	0.0035	< 0.017 U	< 0.0017 U	< 0.0017 U
SB-18-A	27	17	N	6/21/2004	--	< 0.0017 U	0.0024	< 0.0017 U	0.011	< 0.0017 U	0.016	< 0.0017 U	0.0028	< 0.017 U	< 0.0017 U	< 0.0017 U
SB-18-A	27	27	N	6/21/2004	--	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.017 U	< 0.0017 U	< 0.0017 U
SB-18-A	27	47	N	6/21/2004	--	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.017 U	< 0.0017 U	< 0.0017 U
SB-18-A	27	77	N	6/21/2004	--	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.029 U	< 0.0029 U	< 0.0029 U
SB-18-A	27	87	N	6/21/2004	--	< 0.0027 U	< 0.0027 U	< 0.0027 U	< 0.0027 U	< 0.0027 U	< 0.0027 U	< 0.0027 U	< 0.0027 U	< 0.027 U	< 0.0027 U	< 0.0027 U
SB-18-A	27	97	N	6/21/2004	--	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.023 U	< 0.0023 U	< 0.0023 U
SB-19-A	27	0	N	7/8/2004	--	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	0.0037 J+	< 0.017 U	< 0.0017 U	< 0.0017 U
SB-19-A	27	7	N	7/8/2004	--	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.017 U	< 0.0017 U	< 0.0017 U
SB-19-A	27	17	N	7/8/2004	--	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.018 U	< 0.0018 U	< 0.0018 U
SB-19-A	27	27	N	7/8/2004	--	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.018 U	< 0.0018 U	< 0.0018 U
SB-19-A	27	57	N	7/9/2004	--	< 0.003 U	< 0.003 U	< 0.003 U	< 0.003 U	< 0.003 U	< 0.003 U	< 0.003 U	< 0.003 U	< 0.03 U	< 0.003 U	< 0.003 U
SB-19-A	27	77	N	7/9/2004	--	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.024 U	< 0.0024 U	< 0.0024 U
SB-19-A	27	97	N	7/9/2004	--	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.029 U	< 0.0029 U	< 0.0029 U
WC-AD02	39	0	N	8/3/2006	< 0.00073 U	0.0024	< 0.000097 U	0.0069	0.012	< 0.0001 U	< 0.00063 U	< 0.00012 U	< 0.00012 U	--	< 0.00012 U	< 0.00028 U

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in mg/kg.
-- = no sample data.
Shaded results indicate soil has been excavated and removed.

TABLE B-2
SOIL ORGANOCHLORINE PESTICIDES DATA
UPPER PONDS SUB-AREA
(Page 4 of 6)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Organochlorine Pesticides											
					Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-Chlordane	Heptachlor	Heptachlor epoxide	Lindane	Methoxychlor	Toxaphene
ADB-04	1a	1	N	4/18/1996	0.0024	< 0.0036 U	< 0.0036 U	< 0.0036 U	< 0.0036 U	--	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.019 U	< 0.016 U
ADB-04	1a	5	N	4/18/1996	0.0012	< 0.0036 U	< 0.0036 U	< 0.0036 U	< 0.0036 U	--	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.018 U	< 0.016 U
ADB-05	1a	1	N	4/19/1996	< 0.0017 U	< 0.0033 U	< 0.0033 U	< 0.0033 U	< 0.0033 U	--	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.017 U	< 0.016 U
BDB-19	1a	1	N	3/25/1996	0.003 J+	< 0.0033 U	< 0.0033 U	< 0.0033 U	< 0.0033 U	--	< 0.017 U	< 0.0017 U	< 0.0017 U	< 0.017 U	< 0.017 U	< 0.016 U
BDB-19	1a	5	N	3/25/1996	< 0.0017 U	< 0.0033 U	< 0.0033 U	< 0.0033 U	< 0.0033 U	--	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.017 U	< 0.016 U
DBMW-10	46	1	N	6/26/2007	< 0.000086 U	< 0.00015 U	< 0.00012 U	< 0.000086 U	< 0.00011 U	< 0.0004 U	< 0.000088 U	< 0.00061 U	< 0.00012 U	< 0.000086 U	< 0.00073 U	< 0.0074 U
DBMW-10	46	10	N	6/26/2007	< 0.000087 U	< 0.00015 U	< 0.00012 U	< 0.000087 U	< 0.00011 U	< 0.0004 U	< 0.000089 U	< 0.00062 U	< 0.00012 U	< 0.000087 U	< 0.00073 U	< 0.0074 U
DBMW-10	46	20	N	6/26/2007	< 0.000086 U	< 0.00015 U	< 0.00012 U	< 0.000086 U	< 0.00011 U	< 0.0004 U	< 0.000088 U	< 0.00061 U	< 0.00012 U	< 0.000086 U	< 0.00073 U	< 0.0074 U
DBMW-10	46	30	N	6/26/2007	< 0.000088 U	< 0.00016 U	< 0.00012 U	< 0.000088 U	< 0.00011 U	< 0.00041 U	< 0.000091 U	< 0.00063 U	< 0.00012 U	< 0.000088 U	< 0.00075 U	< 0.0076 U
DBMW-10	46	30	FD	6/26/2007	< 0.000093 U	< 0.00016 U	< 0.00013 U	< 0.000093 U	< 0.00012 U	< 0.00043 U	< 0.000095 U	< 0.00066 U	< 0.00013 U	< 0.000093 U	< 0.00078 U	< 0.0079 U
DBMW-10	46	40	N	6/26/2007	< 0.000087 U	< 0.00015 U	< 0.00012 U	< 0.000087 U	< 0.00011 U	< 0.0004 U	< 0.00009 U	< 0.00062 U	< 0.00012 U	< 0.000087 U	< 0.00074 U	< 0.0075 U
DBMW-10	46	50	N	6/26/2007	< 0.000088 U	< 0.00015 U	< 0.00012 U	< 0.000088 U	< 0.00011 U	< 0.00041 U	< 0.00009 U	< 0.00062 U	< 0.00012 U	< 0.000088 U	< 0.00074 U	< 0.0075 U
DBMW-10	46	60	N	6/27/2007	< 0.000092 U	< 0.00016 U	< 0.00013 U	< 0.000092 U	< 0.00012 U	< 0.00042 U	< 0.000094 U	< 0.00065 U	< 0.00013 U	< 0.000092 U	< 0.00077 U	< 0.0079 U
DBMW-10	46	70	N	7/2/2007	< 0.00012 U	< 0.00021 U	< 0.00017 U	< 0.00012 U	< 0.00015 U	< 0.00055 U	< 0.00012 U	< 0.00084 U	< 0.00016 U	< 0.00012 U	< 0.001 U	< 0.01 U
DBMW-11	46	1	N	7/5/2007	< 0.000084 U	< 0.00015 U	< 0.00012 U	< 0.000084 U	< 0.00011 U	< 0.00039 U	< 0.000087 U	< 0.0006 U	< 0.00012 U	< 0.000084 U	< 0.00071 U	< 0.0072 U
DBMW-11	46	10	N	7/5/2007	< 0.000087 U	< 0.00015 U	< 0.00012 U	< 0.000087 U	< 0.00011 U	< 0.0004 U	< 0.000089 U	< 0.00061 U	< 0.00012 U	< 0.000087 U	< 0.00073 U	< 0.0074 U
DBMW-11	46	20	N	7/5/2007	< 0.000088 U	< 0.00015 U	< 0.00012 U	< 0.000088 U	< 0.00011 U	< 0.0004 U	< 0.00009 U	< 0.00062 U	< 0.00012 U	< 0.000088 U	< 0.00074 U	< 0.0075 U
DBMW-11	46	30	N	7/6/2007	< 0.000094 U	< 0.00017 U	< 0.00013 U	< 0.000094 U	< 0.00012 U	< 0.00043 U	< 0.000096 U	< 0.00067 U	< 0.00013 U	< 0.000094 U	< 0.00079 U	< 0.008 U
DBMW-11	46	40	N	7/6/2007	< 0.00011 U	< 0.00019 U	< 0.00015 U	< 0.00011 U	< 0.00014 U	< 0.00049 U	< 0.00011 U	< 0.00076 U	< 0.00015 U	< 0.00011 U	< 0.0009 U	< 0.0092 U
DBMW-11	46	50	N	7/6/2007	< 0.00011 U	< 0.00019 U	< 0.00015 U	< 0.00011 U	< 0.00014 U	< 0.0005 U	< 0.00011 U	< 0.00076 U	< 0.00015 U	< 0.00011 U	< 0.00091 U	< 0.0092 U
DBMW-11	46	50	FD	7/6/2007	< 0.00012 U	< 0.00021 U	< 0.00016 U	< 0.00012 U	< 0.00015 U	< 0.00054 U	< 0.00012 U	< 0.00083 U	< 0.00016 U	< 0.00012 U	< 0.00099 U	< 0.01 U
DBMW-11	46	60	N	7/6/2007	< 0.00013 U	< 0.00023 U	< 0.00018 U	< 0.00013 U	< 0.00017 U	< 0.00061 U	< 0.00014 U	< 0.00093 U	< 0.00018 U	< 0.00013 U	< 0.0011 U	< 0.011 U
DBMW-11	46	70	N	7/6/2007	< 0.00011 U	< 0.00019 U	< 0.00015 U	< 0.00011 U	< 0.00014 U	< 0.00051 U	< 0.00011 U	< 0.00078 U	< 0.00015 U	< 0.00011 U	< 0.00093 U	< 0.0094 U
DBMW-9	46	1	N	6/25/2007	< 0.000085 U	< 0.00015 U	< 0.00012 U	< 0.000085 U	< 0.00011 U	< 0.00039 U	< 0.000087 U	< 0.0006 U	< 0.00012 U	< 0.000085 U	< 0.00071 U	< 0.0073 U
DBMW-9	46	10	N	6/25/2007	< 0.000085 U	< 0.00015 U	< 0.00012 U	< 0.000085 U	< 0.00011 U	< 0.00039 U	< 0.000088 U	< 0.0006 U	< 0.00012 U	< 0.000085 U	< 0.00072 U	< 0.0073 U
DBMW-9	46	20	N	6/25/2007	< 0.000086 U	< 0.00015 U	< 0.00012 U	< 0.000086 U	< 0.00011 U	< 0.0004 U	< 0.000089 U	< 0.00061 U	< 0.00012 U	< 0.000086 U	< 0.00073 U	< 0.0074 U
DBMW-9	46	20	FD	6/25/2007	< 0.000086 U	< 0.00015 U	< 0.00012 U	< 0.000086 U	< 0.00011 U	< 0.0004 U	< 0.000089 U	< 0.00061 U	< 0.00012 U	< 0.000086 U	< 0.00073 U	< 0.0074 U
DBMW-9	46	30	N	6/25/2007	< 0.000087 U	< 0.00015 U	< 0.00012 U	< 0.000087 U	< 0.00011 U	< 0.0004 U	< 0.000089 U	< 0.00062 U	< 0.00012 U	< 0.000087 U	< 0.00073 U	< 0.0075 U
DBMW-9	46	40	N	6/25/2007	< 0.000086 U	< 0.00015 U	< 0.00012 U	< 0.000086 U	< 0.00011 U	< 0.0004 U	< 0.000089 U	< 0.00061 U	< 0.00012 U	< 0.000086 U	< 0.00073 U	< 0.0074 U
DBMW-9	46	50	N	6/25/2007	< 0.00011 U	< 0.00019 U	< 0.00015 U	< 0.00011 U	< 0.00013 U	< 0.00049 U	< 0.00011 U	< 0.00075 U	< 0.00015 U	< 0.00011 U	< 0.00089 U	< 0.009 U
DBMW-9	46	60	N	6/25/2007	< 0.00011 U	< 0.0002 U	< 0.00016 U	< 0.00011 U	< 0.00014 U	< 0.00051 U	< 0.00011 U	< 0.00079 U	< 0.00015 U	< 0.00011 U	< 0.00094 U	< 0.0095 U
DBMW-9	46	70	N	6/25/2007	< 0.00011 U	< 0.00019 U	< 0.00015 U	< 0.00011 U	< 0.00014 U	< 0.00051 U	< 0.00011 U	< 0.00078 U	< 0.00015 U	< 0.00011 U	< 0.00093 U	< 0.0094 U
PRSSNP-07	20c	0	N	6/20/2001	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	0.0022	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0034 U	< 0.069 U
PUH-02	1a	1	N	3/25/1996	< 0.0019 U	0.0063	< 0.0017 U	< 0.0017 U	< 0.0017 U	--	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.017 U	< 0.016 U
PUH-02	1a	5	N	3/25/1996	0.0067 J+	< 0.0033 U	< 0.0033 U	< 0.0033 U	< 0.0033 U	--	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.017 U	< 0.016 U
PUH-03	6d	1	N	10/12/1999	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.06 U
PUH-04	6d	0	N	10/12/1999	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.06 U
PUH-04NCD	8a	1	N	7/19/2000	< 0.00502 U	< 0.00502 U	< 0.00502 U	< 0.00502 U	< 0.00502 U	< 0.00502 U	< 0.00502 U	< 0.00502 U	< 0.00502 U	< 0.00502 U	< 0.0201 U	< 0.0603 U
PUH-04NCOM	8a	1	N	7/19/2000	< 0.00505 U	< 0.00505 U	< 0.00505 U	< 0.00505 U	< 0.00505 U	< 0.00505 U	< 0.00505 U	< 0.00505 U	< 0.00505 U	< 0.00505 U	< 0.0202 U	< 0.0606 U

TABLE B-2
SOIL ORGANOCHLORINE PESTICIDES DATA
UPPER PONDS SUB-AREA
(Page 5 of 6)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Organochlorine Pesticides											
					Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-Chlordane	Heptachlor	Heptachlor epoxide	Lindane	Methoxychlor	Toxaphene
PUH-04NED	8a	1	N	7/19/2000	< 0.00765 U	< 0.00765 U	< 0.00765 U	< 0.00765 U	< 0.00765 U	< 0.00765 U	< 0.00765 U	< 0.00765 U	< 0.00765 U	< 0.00765 U	< 0.03062 U	< 0.09186 U
PUH-04NWD	8a	1	N	7/19/2000	< 0.00503 U	< 0.00503 U	< 0.00503 U	< 0.00503 U	< 0.00503 U	< 0.00503 U	< 0.00503 U	< 0.00503 U	< 0.00503 U	< 0.00503 U	< 0.02014 U	< 0.06042 U
PUH-04SCD	8a	1	N	7/19/2000	< 0.00502 U	< 0.00502 U	< 0.00502 U	< 0.00502 U	< 0.00502 U	< 0.00502 U	< 0.00502 U	< 0.00502 U	< 0.00502 U	< 0.00502 U	< 0.0201 U	< 0.0603 U
PUH-04SCOM	8a	1	N	7/19/2000	< 0.00504 U	< 0.00504 U	< 0.00504 U	< 0.00504 U	< 0.00504 U	0.03	< 0.00504 U	< 0.00504 U	< 0.00504 U	< 0.00504 U	< 0.02016 U	< 0.06048 U
PUH-04SED	8a	1	N	7/19/2000	< 0.00509 U	< 0.00509 U	< 0.00509 U	< 0.00509 U	< 0.00509 U	< 0.00509 U	< 0.00509 U	< 0.00509 U	< 0.00509 U	< 0.00509 U	< 0.02038 U	< 0.06114 U
PUH-04SWD	8a	1	N	7/19/2000	< 0.00505 U	< 0.00505 U	< 0.00505 U	< 0.00505 U	< 0.00505 U	< 0.00505 U	< 0.00505 U	< 0.00505 U	< 0.00505 U	< 0.00505 U	< 0.0202 U	< 0.0606 U
PUH-05	6d	1	N	10/12/1999	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.06 U
PUH-06	6d	1	N	10/12/1999	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.06 U
PUI-06	6d	1	N	10/12/1999	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.06 U
PUI-07	6d	0	N	10/12/1999	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.06 U
PUI-12	6d	0	N	10/27/1999	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.06 U
PUJ-02	6d	0	N	10/13/1999	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.06 U
PUJ-05	6d	1	N	10/12/1999	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.06 U
PUJ-14	1a	1	N	3/22/1996	0.028	< 0.0033 U	< 0.0033 U	< 0.0033 U	< 0.0033 U	--	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.017 U	< 0.016 U
PUJ-14	1a	5	N	3/22/1996	< 0.0019 U	< 0.0036 U	< 0.0036 U	< 0.0036 U	< 0.0036 U	--	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.019 U	< 0.016 U
PUK-02	1a	1	N	3/25/1996	0.01 J+	< 0.0033 U	< 0.0033 U	< 0.0033 U	< 0.0033 U	--	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.017 U	< 0.016 U
PUK-02	1a	5	N	3/25/1996	< 0.0019 U	< 0.0036 U	< 0.0036 U	< 0.0036 U	< 0.0036 U	--	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.019 U	< 0.016 U
PUL-03	1a	1	N	3/25/1996	0.015	< 0.0033 U	< 0.0033 U	< 0.0033 U	< 0.0033 U	--	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.017 U	< 0.016 U
PUL-03	1a	5	N	3/25/1996	0.075 J+	< 0.0033 U	< 0.0033 U	< 0.0033 U	< 0.0033 U	--	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.017 U	< 0.016 U
PUL-09	1a	1	N	3/22/1996	0.012	< 0.0033 U	< 0.0033 U	< 0.0033 U	< 0.0033 U	--	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.017 U	< 0.016 U
PUL-09	1a	5	N	3/22/1996	< 0.0019 U	< 0.0036 U	< 0.0036 U	< 0.0036 U	< 0.0036 U	--	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.019 U	< 0.016 U
PUM-06	1a	1	N	3/22/1996	0.032 J+	< 0.0033 U	< 0.0033 U	< 0.0033 U	< 0.0033 U	--	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.017 U	< 0.016 U
PUM-06	1a	5	N	3/22/1996	< 0.0017 U	< 0.0033 U	< 0.0033 U	< 0.0033 U	< 0.0033 U	--	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.017 U	< 0.016 U
SB-11-B	27	0	N	6/18/2004	< 0.0018 UJ	< 0.0018 UJ	< 0.0018 UJ	< 0.0018 UJ	< 0.0018 UJ	< 0.0018 UJ	< 0.0018 UJ	< 0.0018 UJ	< 0.0018 UJ	< 0.0018 UJ	< 0.0035 UJ	< 0.071 UJ
SB-11-B	27	18.5	N	6/18/2004	< 0.0019 UJ+	< 0.0019 UJ+	< 0.0019 UJ	< 0.0019 UJ+	< 0.0019 UJ+	< 0.0019 UJ+	< 0.0019 UJ	< 0.0019 UJ	< 0.0019 UJ+	0.0026 J	0.033 J+	< 0.076 UJ
SB-11-B	27	37	N	6/24/2004	< 0.0031 UJ	< 0.0031 UJ	< 0.0031 UJ	< 0.0031 UJ	< 0.0031 UJ	< 0.0031 UJ	< 0.0031 UJ	< 0.0031 UJ	< 0.0031 UJ	< 0.0031 UJ	< 0.0061 UJ	< 0.12 UJ
SB-11-B	27	57	N	6/24/2004	< 0.003 UJ	< 0.003 UJ	< 0.003 UJ	< 0.003 UJ	< 0.003 UJ	< 0.003 UJ	< 0.003 UJ	< 0.003 UJ	< 0.003 UJ	< 0.003 UJ	< 0.0059 UJ	< 0.12 UJ
SB-11-B	27	77	N	6/24/2004	< 0.0025 UJ	< 0.0025 UJ	< 0.0025 UJ	< 0.0025 UJ	< 0.0025 UJ	< 0.0025 UJ	< 0.0025 UJ	< 0.0025 UJ	< 0.0025 UJ	< 0.0025 UJ	< 0.0049 UJ	< 0.099 UJ
SB-15-A	27	0	N	6/19/2004	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0034 U	< 0.069 U
SB-15-A	27	7	N	6/19/2004	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0035 U	< 0.071 U
SB-15-A	27	17	N	6/19/2004	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	0.0026	0.033	< 0.069 U
SB-15-A	27	47	N	6/19/2004	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U	0.0044	0.05	< 0.11 U
SB-15-A	27	57	N	6/19/2004	< 0.0027 U	< 0.0027 U	< 0.0027 U	< 0.0027 U	< 0.0027 U	< 0.0027 U	< 0.0027 U	< 0.0027 U	< 0.0027 U	< 0.0027 U	< 0.0052 U	< 0.11 U
SB-15-A	27	77	N	6/19/2004	< 0.0021 U	< 0.0021 U	< 0.0021 U	< 0.0021 U	< 0.0021 U	< 0.0021 U	< 0.0021 U	< 0.0021 U	< 0.0021 U	0.0033	0.039	< 0.081 U
SB-17-A	27	0	N	7/7/2004	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0033 U	< 0.068 U
SB-17-A	27	7	N	7/7/2004	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0034 U	< 0.069 U
SB-17-A	27	17	N	7/7/2004	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0034 U	< 0.069 U
SB-17-A	27	27	N	7/7/2004	< 0.0022 U	< 0.0022 U	< 0.0022 U	< 0.0022 U	< 0.0022 U	< 0.0022 U	< 0.0022 U	< 0.0022 U	< 0.0022 U	< 0.0022 U	< 0.0042 U	< 0.085 U
SB-17-A	27	47	N	7/7/2004	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0047 U	< 0.096 U

TABLE B-2
SOIL ORGANOCHLORINE PESTICIDES DATA
UPPER PONDS SUB-AREA
(Page 6 of 6)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Organochlorine Pesticides											
					Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-Chlordane	Heptachlor	Heptachlor epoxide	Lindane	Methoxychlor	Toxaphene
SB-17-A	27	57	N	7/7/2004	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0044 U	< 0.09 U
SB-17-A	27	77	N	7/7/2004	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0034 U	< 0.07 U
SB-17-A	27	97	N	7/7/2004	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0046 U	< 0.094 U
SB-18-A	27	0	N	6/21/2004	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	0.0028	0.029	< 0.071 U
SB-18-A	27	7	N	6/21/2004	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	0.0076	0.086 J-	< 0.068 U
SB-18-A	27	17	N	6/21/2004	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	0.0077	0.097 J-	< 0.069 U
SB-18-A	27	27	N	6/21/2004	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0034 U	< 0.068 U
SB-18-A	27	47	N	6/21/2004	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0034 U	< 0.069 U
SB-18-A	27	77	N	6/21/2004	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0057 U	< 0.12 U
SB-18-A	27	87	N	6/21/2004	< 0.0027 U	< 0.0027 U	< 0.0027 U	< 0.0027 U	< 0.0027 U	< 0.0027 U	< 0.0027 U	< 0.0027 U	< 0.0027 U	< 0.0027 U	< 0.0053 U	< 0.11 U
SB-18-A	27	97	N	6/21/2004	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0044 U	< 0.09 U
SB-19-A	27	0	N	7/8/2004	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0034 U	< 0.069 U
SB-19-A	27	7	N	7/8/2004	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.0034 U	< 0.069 U
SB-19-A	27	17	N	7/8/2004	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0034 U	< 0.07 U
SB-19-A	27	27	N	7/8/2004	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0034 U	< 0.069 U
SB-19-A	27	57	N	7/9/2004	< 0.003 U	< 0.003 U	< 0.003 U	< 0.003 U	< 0.003 U	< 0.003 U	< 0.003 U	< 0.003 U	< 0.003 U	< 0.003 U	< 0.0059 U	< 0.12 U
SB-19-A	27	77	N	7/9/2004	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0047 U	< 0.096 U
SB-19-A	27	97	N	7/9/2004	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0056 U	< 0.11 U
WC-AD02	39	0	N	8/3/2006	< 0.00013 U	< 0.000098 U	< 0.00024 U	< 0.0002 U	< 0.00017 U	--	< 0.000092 U	< 0.0001 U	< 0.00014 U	< 0.00026 U	< 0.00018 U	< 0.0068 U

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in mg/kg.
-- = no sample data.
Shaded results indicate soil has been excavated and removed.

TABLE B-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)											
					1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethylene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane (DBCP)
ADB-04	1a	1	N	4/18/1996	--	< 0.001 U	< 0.001 U	< 0.0021 U	< 0.001 U	< 0.001 U	--	--	--	< 0.73 U	--	--
ADB-04	1a	5	N	4/18/1996	--	< 0.001 U	< 0.001 U	< 0.0021 U	< 0.001 U	< 0.001 U	--	--	--	--	--	--
ADB-05	1a	1	N	4/19/1996	--	< 0.001 U	< 0.001 U	< 0.002 U	< 0.001 U	< 0.001 U	--	--	--	< 0.67 U	--	--
BDB-19	1a	1	N	3/25/1996	--	< 0.001 U	< 0.001 U	< 0.0021 U	< 0.001 U	< 0.001 U	--	--	--	< 0.67 U	--	--
BDB-19	1a	5	N	3/25/1996	--	< 0.001 U	< 0.001 U	< 0.0021 U	< 0.001 U	< 0.001 U	--	--	--	--	--	--
CSPUO-07NC	7b	1	N	4/27/2000	--	--	--	--	--	--	--	--	--	< 0.5 UJ	--	--
CSPUO-07NE	7b	1	N	4/27/2000	--	--	--	--	--	--	--	--	--	< 0.5 UJ	--	--
CSPUO-07NE2	7b	1	N	5/16/2000	--	--	--	--	--	--	--	--	--	< 0.5 U	--	--
CSPUO-07SC	7b	1	N	4/27/2000	--	--	--	--	--	--	--	--	--	< 0.5 UJ	--	--
CSPUO-07SE	7b	1	N	4/27/2000	--	--	--	--	--	--	--	--	--	< 0.5 UJ	--	--
CSPUO-07SW	7b	1	N	4/27/2000	--	--	--	--	--	--	--	--	--	--	--	--
CSPUP-08SC	7b	1	N	4/28/2000	--	--	--	--	--	--	--	--	--	< 0.5 UJ	--	--
CSPUP-08SE	7b	1	N	4/28/2000	--	--	--	--	--	--	--	--	--	< 0.5 UJ	--	--
DBMW-10	46	1	N	6/26/2007	< 0.00023 U	< 0.00015 U	< 0.00014 U	< 0.00029 U	< 0.00097 U	< 0.00056 U	< 0.0003 U	< 0.0008 U	< 0.00057 U	< 0.00075 U	< 0.00022 U	< 0.00091 U
DBMW-10	46	10	N	6/26/2007	< 0.00023 U	< 0.00015 U	< 0.00015 U	< 0.00029 U	< 0.00098 U	< 0.00057 U	< 0.0003 U	< 0.00081 U	< 0.00057 U	< 0.00076 U	< 0.00023 U	< 0.00092 U
DBMW-10	46	20	N	6/26/2007	< 0.00023 U	< 0.00015 U	< 0.00014 U	< 0.00029 U	< 0.00097 U	< 0.00056 U	< 0.0003 U	< 0.0008 U	< 0.00057 U	< 0.00075 U	< 0.00022 U	< 0.00091 U
DBMW-10	46	30	N	6/26/2007	< 0.00024 U	< 0.00015 U	< 0.00015 U	< 0.0003 U	< 0.001 U	< 0.00058 U	< 0.00031 U	< 0.00082 U	< 0.00058 U	< 0.00077 U	< 0.00023 U	< 0.00094 U
DBMW-10	46	30	FD	6/26/2007	< 0.00025 U	< 0.00016 U	< 0.00016 U	< 0.00031 U	< 0.001 U	< 0.00061 U	< 0.00032 U	< 0.00086 U	< 0.00061 U	< 0.00081 U	< 0.00024 U	< 0.00098 U
DBMW-10	46	40	N	6/26/2007	< 0.00023 U	< 0.00015 U	< 0.00015 U	< 0.0003 U	< 0.001 U	< 0.00058 U	< 0.00031 U	< 0.00082 U	< 0.00058 U	< 0.00077 U	< 0.00023 U	< 0.00093 U
DBMW-10	46	50	N	6/26/2007	< 0.00024 U	< 0.00015 U	< 0.00015 U	< 0.0003 U	< 0.001 U	< 0.00058 U	< 0.00031 U	< 0.00082 U	< 0.00059 U	< 0.00077 U	< 0.00023 U	< 0.00094 U
DBMW-10	46	60	N	6/27/2007	< 0.00024 U	< 0.00016 U	< 0.00015 U	< 0.00031 U	< 0.001 U	< 0.0006 U	< 0.00032 U	< 0.00085 U	< 0.00061 U	< 0.0008 U	< 0.00024 U	< 0.00097 U
DBMW-10	46	70	N	7/2/2007	< 0.00031 U	< 0.0002 U	< 0.0002 U	< 0.0004 U	< 0.0013 U	< 0.00077 U	< 0.00041 U	< 0.0011 U	< 0.00078 U	< 0.001 U	< 0.0003 U	< 0.0012 U
DBMW-11	46	1	N	7/5/2007	< 0.00022 U	< 0.00014 U	< 0.00014 U	< 0.00028 U	< 0.00095 U	< 0.00055 U	< 0.00029 U	< 0.00077 U	< 0.00055 U	< 0.00073 U	< 0.00022 U	< 0.00088 U
DBMW-11	46	10	N	7/5/2007	< 0.00023 U	< 0.00015 U	< 0.00015 U	< 0.00029 U	< 0.00098 U	< 0.00057 U	< 0.0003 U	< 0.0008 U	< 0.00057 U	< 0.00075 U	< 0.00022 U	< 0.00092 U
DBMW-11	46	20	N	7/5/2007	< 0.00023 U	< 0.00015 U	< 0.00015 U	< 0.0003 U	< 0.00099 U	< 0.00057 U	< 0.0003 U	< 0.00081 U	< 0.00058 U	< 0.00076 U	< 0.00023 U	< 0.00093 U
DBMW-11	46	30	N	7/6/2007	< 0.00025 U	< 0.00016 U	< 0.00016 U	< 0.00032 U	< 0.0011 U	< 0.00061 U	< 0.00032 U	< 0.00087 U	< 0.00062 U	< 0.00082 U	< 0.00024 U	< 0.00099 U
DBMW-11	46	40	N	7/6/2007	< 0.00029 U	< 0.00019 U	< 0.00018 U	< 0.00036 U	< 0.0012 U	< 0.0007 U	< 0.00037 U	< 0.00099 U	< 0.00071 U	< 0.00093 U	< 0.00028 U	< 0.0011 U
DBMW-11	46	50	N	7/6/2007	< 0.00029 U	< 0.00019 U	< 0.00018 U	< 0.00036 U	< 0.0012 U	< 0.0007 U	< 0.00037 U	< 0.00099 U	< 0.00071 U	< 0.00094 U	< 0.00028 U	< 0.0011 U
DBMW-11	46	50	FD	7/6/2007	< 0.00031 U	< 0.0002 U	< 0.0002 U	< 0.00039 U	< 0.0013 U	< 0.00076 U	< 0.0004 U	< 0.0011 U	< 0.00077 U	< 0.001 U	< 0.0003 U	< 0.0012 U
DBMW-11	46	60	N	7/6/2007	< 0.00035 U	< 0.00023 U	< 0.00022 U	< 0.00044 U	< 0.0015 U	< 0.00086 U	< 0.00045 U	< 0.0012 U	< 0.00087 U	< 0.0011 U	< 0.00034 U	< 0.0014 U
DBMW-11	46	70	N	7/6/2007	< 0.00029 U	< 0.00019 U	< 0.00018 U	< 0.00037 U	< 0.0012 U	< 0.00072 U	< 0.00038 U	< 0.001 U	< 0.00072 U	< 0.00096 U	< 0.00028 U	< 0.0012 U
DBMW-9	46	1	N	6/25/2007	< 0.00023 U	< 0.00015 U	< 0.00014 U	< 0.00029 U	< 0.00097 U	< 0.00056 U	< 0.0003 U	< 0.00079 U	< 0.00057 U	< 0.00075 U	< 0.00022 U	< 0.00091 U
DBMW-9	46	10	N	6/25/2007	< 0.00023 U	< 0.00015 U	< 0.00014 U	< 0.00029 U	< 0.00097 U	< 0.00056 U	< 0.0003 U	< 0.0008 U	< 0.00057 U	< 0.00075 U	< 0.00022 U	< 0.00091 U
DBMW-9	46	20	N	6/25/2007	< 0.00023 U	< 0.00015 U	< 0.00015 U	< 0.00029 U	< 0.00099 U	< 0.00057 U	< 0.0003 U	< 0.00081 U	< 0.00058 U	< 0.00076 U	< 0.00023 U	< 0.00092 U
DBMW-9	46	20	FD	6/25/2007	< 0.00023 U	< 0.00015 U	< 0.00015 U	< 0.00029 U	< 0.00099 U	< 0.00057 U	< 0.0003 U	< 0.00081 U	< 0.00058 U	< 0.00076 U	< 0.00023 U	< 0.00092 U
DBMW-9	46	30	N	6/25/2007	< 0.00023 U	< 0.00015 U	< 0.00015 U	< 0.0003 U	< 0.00099 U	< 0.00057 U	< 0.0003 U	< 0.00081 U	< 0.00058 U	< 0.00077 U	< 0.00023 U	< 0.00093 U
DBMW-9	46	40	N	6/25/2007	< 0.00023 U	< 0.00015 U	< 0.00015 U	< 0.00029 U	< 0.00099 U	< 0.00057 U	< 0.0003 U	< 0.00081 U	< 0.00058 U	< 0.00076 U	< 0.00023 U	< 0.00092 U
DBMW-9	46	50	N	6/25/2007	< 0.00028 U	< 0.00018 U	< 0.00018 U	< 0.00036 U	< 0.0012 U	< 0.00069 U	< 0.00037 U	< 0.00098 U	< 0.0007 U	< 0.00093 U	< 0.00028 U	< 0.0011 U
DBMW-9	46	60	N	6/25/2007	< 0.0003 U	< 0.00019 U	< 0.00019 U	< 0.00038 U	< 0.0013 U	< 0.00073 U	< 0.00039 U	< 0.001 U	< 0.00074 U	< 0.00098 U	< 0.00029 U	< 0.0012 U

TABLE B-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)											
					1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethylene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane (DBCP)
DBMW-9	46	70	N	6/25/2007	< 0.0003 U	< 0.00019 U	< 0.00019 U	< 0.00037 U	< 0.0013 U	< 0.00073 U	< 0.00039 U	< 0.001 U	< 0.00074 U	< 0.00097 U	< 0.00029 U	< 0.0012 U
PRSSNP-07	20c	0	N	6/20/2001	--	--	--	--	--	--	--	--	--	< 0.34 U	--	--
PUH-02	1a	1	N	3/25/1996	--	< 0.001 U	< 0.001 U	< 0.0021 U	< 0.001 U	< 0.001 U	--	--	--	< 0.67 U	--	--
PUH-02	1a	5	N	3/25/1996	--	< 0.001 U	< 0.001 U	< 0.0021 U	< 0.001 U	< 0.001 U	--	--	--	--	--	--
PUJ-14	1a	1	N	3/22/1996	--	< 0.0011 U	< 0.0011 U	< 0.0021 U	< 0.0011 U	< 0.0011 U	--	--	--	< 0.67 U	--	--
PUJ-14	1a	5	N	3/22/1996	--	< 0.001 U	< 0.001 U	< 0.0021 U	< 0.001 U	< 0.001 U	--	--	--	--	--	--
PUK-02	1a	1	N	3/25/1996	--	< 0.001 U	< 0.001 U	< 0.002 U	< 0.001 U	< 0.001 U	--	--	--	< 0.67 U	--	--
PUK-02	1a	5	N	3/25/1996	--	< 0.0011 U	< 0.0011 U	< 0.0022 U	< 0.0011 U	< 0.0011 U	--	--	--	--	--	--
PUL-03	1a	1	N	3/25/1996	--	< 0.0011 U	< 0.0011 U	< 0.0022 U	< 0.0011 U	< 0.0011 U	--	--	--	< 0.67 U	--	--
PUL-03	1a	5	N	3/25/1996	--	< 0.001 U	< 0.001 U	< 0.002 U	< 0.001 U	< 0.001 U	--	--	--	--	--	--
PUL-09	1a	1	N	3/22/1996	--	< 0.0011 U	< 0.0011 U	< 0.0021 U	< 0.0011 U	< 0.0011 U	--	--	--	< 0.67 U	--	--
PUL-09	1a	5	N	3/22/1996	--	< 0.0011 U	< 0.0011 U	< 0.0021 U	< 0.0011 U	< 0.0011 U	--	--	--	--	--	--
PUM-06	1a	1	N	3/22/1996	--	< 0.001 U	< 0.001 U	< 0.002 U	< 0.001 U	< 0.001 U	--	--	--	< 0.67 U	--	--
PUM-06	1a	5	N	3/22/1996	--	< 0.001 U	< 0.001 U	< 0.002 U	< 0.001 U	< 0.001 U	--	--	--	< 0.68 U	--	--
PUO-07BSSE	7d	0.5	N	3/24/2000	--	--	--	--	--	--	--	--	--	< 0.66 UJ	--	--
PUO-07BSSE	7d	1.5	N	3/24/2000	--	--	--	--	--	--	--	--	--	< 0.67 UJ	--	--
PUO-07BSSW	7d	0.5	N	3/24/2000	--	--	--	--	--	--	--	--	--	< 0.5 UJ	--	--
PUO-07BSSW	7d	1.5	N	3/24/2000	--	--	--	--	--	--	--	--	--	< 0.5 UJ	--	--
SB-11-B	27	0	N	6/18/2004	< 0.0059 UJ	< 0.0059 UJ-	< 0.0059 UJ	< 0.0059 UJ-	< 0.0059 UJ	< 0.0059 UJ	< 0.0059 UJ	< 0.0059 UJ-	< 0.0059 UJ-	< 0.0059 UJ-	< 0.0059 UJ	< 0.012 UJ
SB-11-B	27	7	N	6/18/2004	< 0.0053 UJ	< 0.0053 UJ-	< 0.0053 UJ	< 0.0053 UJ-	< 0.0053 UJ	< 0.0053 UJ	< 0.0053 UJ	< 0.0053 UJ-	< 0.0053 UJ-	< 0.0053 UJ-	0.0009 J	< 0.011 UJ
SB-11-B	27	18.5	N	6/18/2004	< 0.0057 UJ	< 0.0057 UJ-	< 0.0057 UJ	< 0.0057 UJ-	< 0.0057 UJ	< 0.0057 UJ	< 0.0057 UJ	< 0.0057 UJ-	< 0.0057 UJ	< 0.0057 UJ-	< 0.0057 UJ	< 0.011 UJ
SB-11-B	27	37	N	6/24/2004	< 0.0092 UJ	< 0.0092 UJ-	< 0.0092 UJ	< 0.0092 UJ	< 0.0092 UJ	< 0.0092 UJ	< 0.0092 UJ	< 0.0092 UJ	< 0.0092 UJ-	< 0.0092 UJ	< 0.0092 UJ	< 0.018 UJ
SB-11-B	27	57	N	6/24/2004	< 0.0089 UJ	< 0.0089 UJ-	< 0.0089 UJ	< 0.0089 UJ-	< 0.0089 UJ	< 0.0089 UJ	< 0.0089 UJ	< 0.0089 UJ-	< 0.0089 UJ-	< 0.0089 UJ-	< 0.0089 UJ	< 0.018 UJ
SB-11-B	27	77	N	6/24/2004	< 0.0074 UJ	< 0.0074 UJ-	< 0.0074 UJ	< 0.0074 UJ-	< 0.0074 UJ	< 0.0074 UJ	< 0.0074 UJ	< 0.0074 UJ	< 0.0074 UJ-	< 0.0074 UJ-	< 0.0074 UJ	< 0.015 UJ
SB-15-A	27	0	N	6/19/2004	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	0.00064 J	< 0.011 U
SB-15-A	27	7	N	6/19/2004	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.011 U
SB-15-A	27	17	N	6/19/2004	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.01 U
SB-15-A	27	27	N	6/19/2004	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.01 U
SB-15-A	27	47	N	6/19/2004	< 0.0094 U	< 0.0094 U	< 0.0094 U	< 0.0094 U	< 0.0094 U	< 0.0094 U	< 0.0094 U	< 0.0094 U	< 0.0094 U	< 0.0094 U	< 0.0094 U	< 0.019 U
SB-15-A	27	57	N	6/19/2004	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.018 U
SB-15-A	27	77	N	6/19/2004	< 0.006 U	< 0.006 U	< 0.006 U	< 0.006 U	< 0.006 U	< 0.006 U	< 0.006 U	< 0.006 U	< 0.006 U	< 0.006 U	< 0.006 U	< 0.012 U
SB-17-A	27	0	N	7/7/2004	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.012 U
SB-17-A	27	7	N	7/7/2004	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.01 U
SB-17-A	27	17	N	7/7/2004	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.01 U
SB-17-A	27	27	N	7/7/2004	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.013 U
SB-17-A	27	47	N	7/7/2004	< 0.0071 U	< 0.0071 U	< 0.0071 U	< 0.0071 U	< 0.0071 U	< 0.0071 U	< 0.0071 U	< 0.0071 U	< 0.0071 U	< 0.0071 U	< 0.0071 U	< 0.014 U
SB-17-A	27	57	N	7/7/2004	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.013 U
SB-17-A	27	77	N	7/7/2004	< 0.0068 U	< 0.0068 U	< 0.0068 U	< 0.0068 U	< 0.0068 U	< 0.0068 U	< 0.0068 U	< 0.0068 U	< 0.0068 U	< 0.0068 U	< 0.0068 U	< 0.014 U
SB-17-A	27	97	N	7/7/2004	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.014 U

TABLE B-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
UPPER PONDS SUB-AREA
(Page 3 of 21)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)											
					1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethylene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane (DBCP)
SB-18-A	27	0	N	6/21/2004	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.011 U
SB-18-A	27	7	N	6/21/2004	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.01 U
SB-18-A	27	17	N	6/21/2004	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.01 U
SB-18-A	27	27	N	6/21/2004	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.011 U
SB-18-A	27	47	N	6/21/2004	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.01 U
SB-18-A	27	77	N	6/21/2004	< 0.0087 U	< 0.0087 U	< 0.0087 U	< 0.0087 U	< 0.0087 U	< 0.0087 U	< 0.0087 U	< 0.0087 U	< 0.0087 U	< 0.0087 U	< 0.0087 U	< 0.017 U
SB-18-A	27	87	N	6/21/2004	< 0.0081 U	< 0.0081 U	< 0.0081 U	< 0.0081 U	< 0.0081 U	< 0.0081 U	< 0.0081 U	< 0.0081 U	< 0.0081 U	< 0.0081 U	< 0.0081 U	< 0.016 U
SB-18-A	27	97	N	6/21/2004	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.014 U
SB-19-A	27	0	N	7/8/2004	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.01 U
SB-19-A	27	7	N	7/8/2004	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.01 U
SB-19-A	27	17	N	7/8/2004	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.01 U
SB-19-A	27	27	N	7/8/2004	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.01 U
SB-19-A	27	57	N	7/9/2004	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.018 U
SB-19-A	27	77	N	7/9/2004	< 0.0072 U	< 0.0072 U	< 0.0072 U	< 0.0072 U	< 0.0072 U	< 0.0072 U	< 0.0072 U	< 0.0072 U	< 0.0072 U	< 0.0072 U	< 0.0072 U	< 0.014 U
SB-19-A	27	97	N	7/9/2004	< 0.0084 U	< 0.0084 U	< 0.0084 U	< 0.0084 U	< 0.0084 U	< 0.0084 U	< 0.0084 U	< 0.0084 U	< 0.0084 U	0.0016 J	< 0.0084 U	< 0.017 U
WC-AD02	39	0	N	8/3/2006	< 0.00023 U	< 0.00015 U	< 0.00015 U	< 0.00029 U	< 0.00099 U	< 0.00057 U	--	--	< 0.00058 U	< 0.00076 U	--	< 0.00092 U

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in mg/kg.
-- = no sample data.
Shaded results indicate soil has been excavated and removed.

TABLE B-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)											
					1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloroethylene	1,2-Dichloropropane	1,3,5-Trichlorobenzene	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	1-Nonanal	2,2,3-Trimethylbutane	2,2-Dichloropropane
ADB-04	1a	1	N	4/18/1996	< 0.001 U	< 0.001 U	--	< 0.001 U	--	--	< 0.001 U	--	< 0.001 U	--	--	--
ADB-04	1a	5	N	4/18/1996	< 0.001 U	< 0.001 U	--	< 0.001 U	--	--	< 0.001 U	--	< 0.001 U	--	--	--
ADB-05	1a	1	N	4/19/1996	< 0.001 U	< 0.001 U	--	< 0.001 U	--	--	< 0.001 U	--	< 0.001 U	--	--	--
BDB-19	1a	1	N	3/25/1996	< 0.0052 U	< 0.001 U	--	< 0.001 U	--	--	< 0.0052 U	--	< 0.0052 U	--	--	--
BDB-19	1a	5	N	3/25/1996	< 0.0052 U	< 0.001 U	--	< 0.001 U	--	--	< 0.0052 U	--	< 0.0052 U	--	--	--
CSPUO-07NC	7b	1	N	4/27/2000	< 0.5 UJ	--	--	--	--	--	< 0.5 UJ	--	< 0.5 UJ	--	--	--
CSPUO-07NE	7b	1	N	4/27/2000	< 0.5 UJ	--	--	--	--	--	< 0.5 UJ	--	< 0.5 UJ	--	--	--
CSPUO-07NE2	7b	1	N	5/16/2000	< 0.5 U	--	--	--	--	--	< 0.5 U	--	< 0.5 U	--	--	--
CSPUO-07SC	7b	1	N	4/27/2000	< 0.5 UJ	--	--	--	--	--	< 0.5 UJ	--	< 0.5 UJ	--	--	--
CSPUO-07SE	7b	1	N	4/27/2000	< 0.5 UJ	--	--	--	--	--	< 0.5 UJ	--	< 0.5 UJ	--	--	--
CSPUO-07SW	7b	1	N	4/27/2000	< 0.5 UJ	--	--	--	--	--	--	--	--	--	--	--
CSPUP-08SC	7b	1	N	4/28/2000	< 0.5 UJ	--	--	--	--	--	< 0.5 UJ	--	< 0.5 UJ	--	--	--
CSPUP-08SE	7b	1	N	4/28/2000	< 0.5 UJ	--	--	--	--	--	< 0.5 UJ	--	< 0.5 UJ	--	--	--
DBMW-10	46	1	N	6/26/2007	< 0.00015 U	< 0.00045 U	< 0.00055 U	< 0.00038 U	< 0.00069 U	< 0.00022 U	< 0.00013 U	< 0.00018 U	< 0.00011 U	< 0.0009 U	< 0.00021 U	< 0.00018 U
DBMW-10	46	10	N	6/26/2007	< 0.00016 U	< 0.00045 U	< 0.00056 U	< 0.00039 U	< 0.0007 U	< 0.00022 U	< 0.00013 U	< 0.00018 U	< 0.00011 U	< 0.00091 U	< 0.00022 U	< 0.00018 U
DBMW-10	46	20	N	6/26/2007	< 0.00015 U	< 0.00045 U	< 0.00056 U	< 0.00038 U	< 0.00069 U	< 0.00022 U	< 0.00013 U	< 0.00018 U	< 0.00011 U	< 0.0009 U	< 0.00021 U	< 0.00018 U
DBMW-10	46	30	N	6/26/2007	< 0.00016 U	< 0.00046 U	< 0.00057 U	< 0.00039 U	< 0.00071 U	< 0.00022 U	< 0.00014 U	< 0.00019 U	< 0.00011 U	< 0.00092 U	< 0.00022 U	< 0.00018 U
DBMW-10	46	30	FD	6/26/2007	< 0.00017 U	< 0.00048 U	< 0.0006 U	< 0.00041 U	< 0.00075 U	< 0.00023 U	< 0.00014 U	< 0.0002 U	< 0.00012 U	< 0.00097 U	< 0.00023 U	< 0.00019 U
DBMW-10	46	40	N	6/26/2007	< 0.00016 U	< 0.00046 U	< 0.00057 U	< 0.00039 U	< 0.00071 U	< 0.00022 U	< 0.00014 U	< 0.00019 U	< 0.00011 U	< 0.00092 U	< 0.00022 U	< 0.00018 U
DBMW-10	46	50	N	6/26/2007	< 0.00016 U	< 0.00046 U	< 0.00057 U	< 0.00039 U	< 0.00071 U	< 0.00022 U	< 0.00014 U	< 0.00019 U	< 0.00011 U	< 0.00093 U	< 0.00022 U	< 0.00018 U
DBMW-10	46	60	N	6/27/2007	< 0.00016 U	< 0.00048 U	< 0.00059 U	< 0.00041 U	< 0.00074 U	< 0.00023 U	< 0.00014 U	< 0.0002 U	< 0.00012 U	< 0.00096 U	< 0.00023 U	< 0.00019 U
DBMW-10	46	70	N	7/2/2007	< 0.00021 U	< 0.00061 U	< 0.00076 U	< 0.00052 U	< 0.00094 U	< 0.00029 U	0.0002 J	< 0.00025 U	0.00029 J	< 0.0012 U	< 0.00029 U	< 0.00024 U
DBMW-11	46	1	N	7/5/2007	< 0.00015 U	< 0.00043 U	< 0.00054 U	< 0.00037 U	< 0.00067 U	< 0.00021 U	< 0.00013 U	< 0.00018 U	< 0.00011 U	< 0.00087 U	< 0.00021 U	< 0.00017 U
DBMW-11	46	10	N	7/5/2007	< 0.00015 U	< 0.00045 U	< 0.00056 U	< 0.00038 U	< 0.0007 U	< 0.00022 U	0.00018 J	< 0.00018 U	0.0002 J	< 0.00091 U	< 0.00022 U	< 0.00018 U
DBMW-11	46	20	N	7/5/2007	< 0.00016 U	< 0.00046 U	< 0.00057 U	< 0.00039 U	< 0.0007 U	< 0.00022 U	< 0.00014 U	< 0.00019 U	< 0.00011 U	< 0.00092 U	< 0.00022 U	< 0.00018 U
DBMW-11	46	30	N	7/6/2007	< 0.00017 U	< 0.00049 U	< 0.00061 U	< 0.00042 U	< 0.00075 U	< 0.00024 U	< 0.00015 U	< 0.0002 U	< 0.00012 U	< 0.00098 U	< 0.00023 U	< 0.00019 U
DBMW-11	46	40	N	7/6/2007	< 0.00019 U	< 0.00056 U	< 0.00069 U	< 0.00047 U	< 0.00086 U	< 0.00027 U	< 0.00017 U	< 0.00023 U	< 0.00014 U	< 0.0011 U	< 0.00027 U	< 0.00022 U
DBMW-11	46	50	N	7/6/2007	< 0.00019 U	< 0.00056 U	< 0.00069 U	< 0.00048 U	< 0.00086 U	< 0.00027 U	< 0.00017 U	< 0.00023 U	< 0.00014 U	< 0.0011 U	< 0.00027 U	< 0.00022 U
DBMW-11	46	50	FD	7/6/2007	< 0.00021 U	< 0.00061 U	< 0.00075 U	< 0.00052 U	< 0.00094 U	< 0.00029 U	< 0.00018 U	< 0.00025 U	< 0.00015 U	< 0.0012 U	< 0.00029 U	< 0.00024 U
DBMW-11	46	60	N	7/6/2007	< 0.00023 U	< 0.00068 U	< 0.00085 U	< 0.00058 U	< 0.0011 U	< 0.00033 U	< 0.0002 U	< 0.00028 U	< 0.00017 U	< 0.0014 U	< 0.00033 U	< 0.00027 U
DBMW-11	46	70	N	7/6/2007	< 0.0002 U	< 0.00057 U	< 0.00071 U	< 0.00049 U	< 0.00088 U	< 0.00028 U	< 0.00017 U	< 0.00023 U	< 0.00014 U	< 0.0011 U	< 0.00027 U	< 0.00023 U
DBMW-9	46	1	N	6/25/2007	< 0.00015 U	< 0.00045 U	< 0.00055 U	< 0.00038 U	< 0.00069 U	< 0.00021 U	< 0.00013 U	< 0.00018 U	< 0.00011 U	< 0.0009 U	< 0.00021 U	< 0.00018 U
DBMW-9	46	10	N	6/25/2007	< 0.00015 U	< 0.00045 U	< 0.00056 U	< 0.00038 U	< 0.00069 U	< 0.00022 U	< 0.00013 U	< 0.00018 U	< 0.00011 U	< 0.0009 U	< 0.00022 U	< 0.00018 U
DBMW-9	46	20	N	6/25/2007	< 0.00016 U	< 0.00045 U	< 0.00056 U	< 0.00039 U	< 0.0007 U	< 0.00022 U	< 0.00013 U	< 0.00019 U	< 0.00011 U	< 0.00091 U	< 0.00022 U	< 0.00018 U
DBMW-9	46	20	FD	6/25/2007	< 0.00016 U	< 0.00045 U	< 0.00056 U	< 0.00039 U	< 0.0007 U	< 0.00022 U	< 0.00013 U	< 0.00019 U	< 0.00011 U	< 0.00091 U	< 0.00022 U	< 0.00018 U
DBMW-9	46	30	N	6/25/2007	< 0.00016 U	< 0.00046 U	< 0.00057 U	< 0.00039 U	< 0.00071 U	< 0.00022 U	< 0.00014 U	< 0.00019 U	< 0.00011 U	< 0.00092 U	< 0.00022 U	< 0.00018 U
DBMW-9	46	40	N	6/25/2007	< 0.00016 U	< 0.00045 U	< 0.00056 U	< 0.00039 U	< 0.0007 U	< 0.00022 U	< 0.00013 U	< 0.00019 U	< 0.00011 U	< 0.00091 U	< 0.00022 U	< 0.00018 U
DBMW-9	46	50	N	6/25/2007	< 0.00019 U	< 0.00055 U	< 0.00069 U	< 0.00047 U	< 0.00085 U	< 0.00027 U	< 0.00016 U	< 0.00023 U	< 0.00014 U	< 0.0011 U	< 0.00027 U	< 0.00022 U
DBMW-9	46	60	N	6/25/2007	< 0.0002 U	< 0.00058 U	< 0.00072 U	< 0.0005 U	< 0.0009 U	< 0.00028 U	< 0.00017 U	< 0.00024 U	< 0.00014 U	< 0.0012 U	< 0.00028 U	< 0.00023 U

TABLE B-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
UPPER PONDS SUB-AREA
(Page 5 of 21)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)											
					1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloroethylene	1,2-Dichloropropane	1,3,5-Trichlorobenzene	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	1-Nonanal	2,2,3-Trimethylbutane	2,2-Dichloropropane
DBMW-9	46	70	N	6/25/2007	< 0.0002 U	< 0.00058 U	< 0.00072 U	< 0.00049 U	< 0.00089 U	< 0.00028 U	< 0.00017 U	< 0.00024 U	< 0.00014 U	< 0.0012 U	< 0.00028 U	< 0.00023 U
PRSSNP-07	20c	0	N	6/20/2001	< 0.34 U	--	--	--	--	--	< 0.34 U	--	< 0.34 U	--	--	--
PUH-02	1a	1	N	3/25/1996	< 0.0052 U	< 0.001 U	--	< 0.001 U	--	--	< 0.0052 U	--	< 0.0052 U	--	--	--
PUH-02	1a	5	N	3/25/1996	< 0.0052 U	< 0.001 U	--	< 0.001 U	--	--	< 0.0052 U	--	< 0.0052 U	--	--	--
PUJ-14	1a	1	N	3/22/1996	< 0.0053 U	< 0.0011 U	--	< 0.0011 U	--	--	< 0.0053 U	--	< 0.0053 U	--	--	--
PUJ-14	1a	5	N	3/22/1996	< 0.0052 U	< 0.001 U	--	< 0.001 U	--	--	< 0.0052 U	--	< 0.0052 U	--	--	--
PUK-02	1a	1	N	3/25/1996	< 0.0051 U	< 0.001 U	--	< 0.001 U	--	--	< 0.0051 U	--	< 0.0051 U	--	--	--
PUK-02	1a	5	N	3/25/1996	< 0.0055 U	< 0.0011 U	--	< 0.0011 U	--	--	< 0.0055 U	--	< 0.0055 U	--	--	--
PUL-03	1a	1	N	3/25/1996	< 0.0055 U	< 0.0011 U	--	< 0.0011 U	--	--	< 0.0055 U	--	< 0.0055 U	--	--	--
PUL-03	1a	5	N	3/25/1996	< 0.005 U	< 0.001 U	--	< 0.001 U	--	--	< 0.005 U	--	< 0.005 U	--	--	--
PUL-09	1a	1	N	3/22/1996	< 0.0053 U	< 0.0011 U	--	< 0.0011 U	--	--	< 0.0011 U	--	< 0.0011 U	--	--	--
PUL-09	1a	5	N	3/22/1996	< 0.0053 U	< 0.0011 U	--	< 0.0011 U	--	--	< 0.0053 U	--	< 0.0053 U	--	--	--
PUM-06	1a	1	N	3/22/1996	< 0.0051 U	< 0.001 U	--	< 0.001 U	--	--	< 0.0051 U	--	< 0.0051 U	--	--	--
PUM-06	1a	5	N	3/22/1996	< 0.0059 U	< 0.001 U	--	< 0.001 U	--	--	< 0.0059 U	--	< 0.0059 U	--	--	--
PUO-07BSSE	7d	0.5	N	3/24/2000	< 0.66 UJ	--	--	--	--	--	< 0.66 UJ	--	< 0.66 UJ	--	--	--
PUO-07BSSE	7d	1.5	N	3/24/2000	< 0.67 UJ	--	--	--	--	--	< 0.67 UJ	--	< 0.67 UJ	--	--	--
PUO-07BSSW	7d	0.5	N	3/24/2000	< 0.5 UJ	--	--	--	--	--	< 0.5 UJ	--	< 0.5 UJ	--	--	--
PUO-07BSSW	7d	1.5	N	3/24/2000	< 0.5 UJ	--	--	--	--	--	< 0.5 UJ	--	< 0.5 UJ	--	--	--
SB-11-B	27	0	N	6/18/2004	< 0.0059 UJ	< 0.0059 UJ	< 0.0059 UJ	< 0.0059 UJ	< 0.053 UJ	< 0.0059 UJ	< 0.0059 UJ	< 0.0059 UJ	< 0.0059 UJ	--	--	< 0.0059 UJ
SB-11-B	27	7	N	6/18/2004	< 0.0053 UJ	< 0.0053 UJ	< 0.0053 UJ	< 0.0053 UJ	< 0.0053 UJ-	< 0.0053 UJ	< 0.0053 UJ	< 0.0053 UJ	< 0.0053 UJ	--	--	< 0.0053 UJ
SB-11-B	27	18.5	N	6/18/2004	< 0.0057 UJ	< 0.0057 UJ	< 0.0057 UJ	< 0.0057 UJ	< 0.0057 UJ-	< 0.0057 UJ	< 0.0057 UJ	< 0.0057 UJ	< 0.0057 UJ	--	--	< 0.0057 UJ
SB-11-B	27	37	N	6/24/2004	< 0.0092 UJ	< 0.0092 UJ	< 0.0092 UJ	< 0.0092 UJ	< 0.0092 UJ-	< 0.0092 UJ	< 0.0092 UJ	< 0.0092 UJ	< 0.0092 UJ	--	--	< 0.0092 UJ
SB-11-B	27	57	N	6/24/2004	< 0.0089 UJ	< 0.0089 UJ	< 0.0089 UJ	< 0.0089 UJ	< 0.0089 UJ-	< 0.0089 UJ	< 0.0089 UJ	< 0.0089 UJ	< 0.0089 UJ	--	--	< 0.0089 UJ
SB-11-B	27	77	N	6/24/2004	< 0.0074 UJ	< 0.0074 UJ	< 0.0074 UJ	< 0.0074 UJ	< 0.0074 UJ-	< 0.0074 UJ	< 0.0074 UJ	< 0.0074 UJ	< 0.0074 UJ	--	--	< 0.0074 UJ
SB-15-A	27	0	N	6/19/2004	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0052 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	--	--	< 0.0053 U
SB-15-A	27	7	N	6/19/2004	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	--	--	< 0.0053 U
SB-15-A	27	17	N	6/19/2004	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	--	--	< 0.0052 U
SB-15-A	27	27	N	6/19/2004	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	--	--	< 0.0053 U
SB-15-A	27	47	N	6/19/2004	< 0.0094 U	< 0.0094 U	< 0.0094 U	< 0.0094 U	< 0.0094 U	< 0.0094 U	< 0.0094 U	< 0.0094 U	< 0.0094 U	--	--	< 0.0094 U
SB-15-A	27	57	N	6/19/2004	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	--	--	< 0.009 U
SB-15-A	27	77	N	6/19/2004	< 0.006 U	< 0.006 U	< 0.006 U	< 0.006 U	< 0.006 U	< 0.006 U	< 0.006 U	< 0.006 U	< 0.006 U	--	--	< 0.006 U
SB-17-A	27	0	N	7/7/2004	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0051 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	--	--	< 0.0061 U
SB-17-A	27	7	N	7/7/2004	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	--	--	< 0.0051 U
SB-17-A	27	17	N	7/7/2004	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	--	--	< 0.0051 U
SB-17-A	27	27	N	7/7/2004	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	--	--	< 0.0064 U
SB-17-A	27	47	N	7/7/2004	< 0.0071 U	< 0.0071 U	< 0.0071 U	< 0.0071 U	< 0.0071 U	< 0.0071 U	< 0.0071 U	< 0.0071 U	< 0.0071 U	--	--	< 0.0071 U
SB-17-A	27	57	N	7/7/2004	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.0067 U	--	--	< 0.0067 U
SB-17-A	27	77	N	7/7/2004	< 0.0068 U	< 0.0068 U	< 0.0068 U	< 0.0068 U	< 0.0052 U	< 0.0068 U	< 0.0068 U	< 0.0068 U	< 0.0068 U	--	--	< 0.0068 U
SB-17-A	27	97	N	7/7/2004	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	--	--	< 0.007 U

TABLE B-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)											
					1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloroethylene	1,2-Dichloropropane	1,3,5-Trichlorobenzene	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	1-Nonanal	2,2,3-Trimethylbutane	2,2-Dichloropropane
SB-18-A	27	0	N	6/21/2004	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	--	--	< 0.0053 U
SB-18-A	27	7	N	6/21/2004	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	--	--	< 0.0051 U
SB-18-A	27	17	N	6/21/2004	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	--	--	< 0.0051 U
SB-18-A	27	27	N	6/21/2004	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	--	--	< 0.0053 U
SB-18-A	27	47	N	6/21/2004	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	--	--	< 0.0051 U
SB-18-A	27	77	N	6/21/2004	< 0.0087 U	< 0.0087 U	< 0.0087 U	< 0.0087 U	< 0.0087 U	< 0.0087 U	< 0.0087 U	< 0.0087 U	< 0.0087 U	--	--	< 0.0087 U
SB-18-A	27	87	N	6/21/2004	< 0.0081 U	< 0.0081 U	< 0.0081 U	< 0.0081 U	< 0.0081 U	< 0.0081 U	< 0.0081 U	< 0.0081 U	< 0.0081 U	--	--	< 0.0081 U
SB-18-A	27	97	N	6/21/2004	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	--	--	< 0.007 U
SB-19-A	27	0	N	7/8/2004	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	--	--	< 0.0051 U
SB-19-A	27	7	N	7/8/2004	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	--	--	< 0.0051 U
SB-19-A	27	17	N	7/8/2004	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	--	--	< 0.0052 U
SB-19-A	27	27	N	7/8/2004	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	--	--	< 0.0052 U
SB-19-A	27	57	N	7/9/2004	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	--	--	< 0.009 U
SB-19-A	27	77	N	7/9/2004	< 0.0072 U	< 0.0072 U	< 0.0072 U	< 0.0072 U	< 0.0072 U	< 0.0072 U	< 0.0072 U	< 0.0072 U	< 0.0072 U	--	--	< 0.0072 U
SB-19-A	27	97	N	7/9/2004	< 0.0084 U	< 0.0084 U	< 0.0084 U	< 0.0084 U	< 0.0084 U	< 0.0084 U	< 0.0084 U	< 0.0084 U	< 0.0084 U	--	--	< 0.0084 U
WC-AD02	39	0	N	8/3/2006	< 0.00016 U	< 0.00045 U	--	< 0.00039 U	--	--	< 0.00013 U	--	< 0.00011 U	--	--	--

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in mg/kg.
-- = no sample data.
Shaded results indicate soil has been excavated and removed.

TABLE B-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)											
					2,2-Dimethylpentane	2,3-Dimethylpentane	2,4-Dimethylpentane	2-Chloroethyl vinyl ether	2-Chlorotoluene	2-Nitropropane	2-Phenylbutane	3,3-dimethylpentane	3-ethylpentane	3-Methylhexane	4-Chlorotoluene	Acetone
ADB-04	1a	1	N	4/18/1996	--	--	--	< 0.001 U	--	--	--	--	--	--	--	< 0.0031 U
ADB-04	1a	5	N	4/18/1996	--	--	--	< 0.001 U	--	--	--	--	--	--	--	< 0.0031 U
ADB-05	1a	1	N	4/19/1996	--	--	--	< 0.001 U	--	--	--	--	--	--	--	< 0.003 U
BDB-19	1a	1	N	3/25/1996	--	--	--	< 0.001 U	--	--	--	--	--	--	--	< 0.01 U
BDB-19	1a	5	N	3/25/1996	--	--	--	< 0.001 U	--	--	--	--	--	--	--	< 0.01 U
CSPUO-07NC	7b	1	N	4/27/2000	--	--	--	--	--	--	--	--	--	--	--	--
CSPUO-07NE	7b	1	N	4/27/2000	--	--	--	--	--	--	--	--	--	--	--	--
CSPUO-07NE2	7b	1	N	5/16/2000	--	--	--	--	--	--	--	--	--	--	--	--
CSPUO-07SC	7b	1	N	4/27/2000	--	--	--	--	--	--	--	--	--	--	--	--
CSPUO-07SE	7b	1	N	4/27/2000	--	--	--	--	--	--	--	--	--	--	--	--
CSPUO-07SW	7b	1	N	4/27/2000	--	--	--	--	--	--	--	--	--	--	--	--
CSPUP-08SC	7b	1	N	4/28/2000	--	--	--	--	--	--	--	--	--	--	--	--
CSPUP-08SE	7b	1	N	4/28/2000	--	--	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	1	N	6/26/2007	< 0.00028 U	< 0.00023 U	< 0.0002 U	--	< 0.00047 U	< 0.0018 U	< 0.00025 U	< 0.00021 U	< 0.00021 U	< 0.00014 U	< 0.0009 U	< 0.0039 U
DBMW-10	46	10	N	6/26/2007	< 0.00028 U	< 0.00023 U	< 0.0002 U	--	< 0.00047 U	< 0.0018 U	< 0.00025 U	< 0.00021 U	< 0.00022 U	< 0.00014 U	< 0.00091 U	< 0.0039 U
DBMW-10	46	20	N	6/26/2007	< 0.00028 U	< 0.00023 U	< 0.0002 U	--	< 0.00047 U	< 0.0018 U	< 0.00025 U	< 0.00021 U	< 0.00021 U	< 0.00014 U	< 0.0009 U	< 0.0039 U
DBMW-10	46	30	N	6/26/2007	< 0.00029 U	< 0.00024 U	< 0.0002 U	--	< 0.00048 U	< 0.0018 U	< 0.00026 U	< 0.00021 U	< 0.00022 U	< 0.00015 U	< 0.00093 U	< 0.004 U
DBMW-10	46	30	FD	6/26/2007	< 0.0003 U	< 0.00025 U	< 0.00021 U	--	< 0.0005 U	< 0.0019 U	< 0.00027 U	< 0.00022 U	< 0.00023 U	< 0.00015 U	< 0.00097 U	< 0.0042 U
DBMW-10	46	40	N	6/26/2007	< 0.00029 U	< 0.00023 U	< 0.0002 U	--	< 0.00048 U	< 0.0018 U	< 0.00026 U	< 0.00021 U	< 0.00022 U	< 0.00015 U	< 0.00092 U	< 0.004 UJ
DBMW-10	46	50	N	6/26/2007	< 0.00029 U	< 0.00024 U	< 0.0002 U	--	< 0.00048 U	< 0.0018 U	< 0.00026 U	< 0.00021 U	< 0.00022 U	< 0.00015 U	< 0.00093 U	< 0.004 UJ
DBMW-10	46	60	N	6/27/2007	< 0.0003 U	< 0.00024 U	< 0.00021 U	--	< 0.0005 U	< 0.0019 U	< 0.00027 U	< 0.00022 U	< 0.00023 U	< 0.00015 U	< 0.00096 U	< 0.0042 U
DBMW-10	46	70	N	7/2/2007	< 0.00038 U	< 0.00031 U	< 0.00028 U	--	< 0.00064 U	< 0.0024 U	< 0.00034 U	< 0.00028 U	< 0.00029 U	< 0.0002 U	< 0.0012 U	< 0.0053 U
DBMW-11	46	1	N	7/5/2007	< 0.00027 U	< 0.00022 U	< 0.0002 U	--	< 0.00045 U	< 0.0017 U	< 0.00024 U	< 0.0002 U	< 0.00021 U	< 0.00014 U	< 0.00087 U	< 0.0038 U
DBMW-11	46	10	N	7/5/2007	< 0.00028 U	< 0.00023 U	< 0.0002 U	--	< 0.00047 U	< 0.0018 U	< 0.00025 U	< 0.00021 U	< 0.00022 U	< 0.00014 U	< 0.00091 U	< 0.0039 U
DBMW-11	46	20	N	7/5/2007	< 0.00029 U	< 0.00023 U	< 0.0002 U	--	< 0.00048 U	< 0.0018 U	< 0.00026 U	< 0.00021 U	< 0.00022 U	< 0.00015 U	< 0.00092 U	< 0.004 U
DBMW-11	46	30	N	7/6/2007	< 0.00031 U	< 0.00025 U	< 0.00022 U	--	< 0.00051 U	< 0.0019 U	< 0.00027 U	< 0.00023 U	< 0.00023 U	< 0.00016 U	< 0.00098 U	< 0.0043 U
DBMW-11	46	40	N	7/6/2007	< 0.00035 U	< 0.00029 U	< 0.00025 U	--	< 0.00058 U	< 0.0022 U	< 0.00031 U	< 0.00026 U	< 0.00027 U	< 0.00018 U	< 0.0011 U	0.0063 J
DBMW-11	46	50	N	7/6/2007	< 0.00035 U	< 0.00029 U	< 0.00025 U	--	< 0.00058 U	< 0.0022 U	< 0.00031 U	< 0.00026 U	< 0.00027 U	< 0.00018 U	< 0.0011 U	< 0.0049 U
DBMW-11	46	50	FD	7/6/2007	< 0.00038 U	< 0.00031 U	< 0.00027 U	--	< 0.00063 U	< 0.0024 U	< 0.00034 U	< 0.00028 U	< 0.00029 U	< 0.00019 U	< 0.0012 U	< 0.0053 U
DBMW-11	46	60	N	7/6/2007	< 0.00043 U	< 0.00035 U	< 0.0003 U	--	< 0.00071 U	< 0.0027 U	< 0.00038 U	< 0.00032 U	< 0.00033 U	< 0.00022 U	< 0.0014 U	< 0.006 U
DBMW-11	46	70	N	7/6/2007	< 0.00036 U	< 0.00029 U	< 0.00025 U	--	< 0.00059 U	< 0.0023 U	< 0.00032 U	< 0.00026 U	< 0.00027 U	< 0.00018 U	< 0.0011 U	< 0.005 U
DBMW-9	46	1	N	6/25/2007	< 0.00028 U	< 0.00023 U	< 0.0002 U	--	< 0.00046 U	< 0.0018 U	< 0.00025 U	< 0.00021 U	< 0.00021 U	< 0.00014 U	< 0.0009 U	0.015 J
DBMW-9	46	10	N	6/25/2007	< 0.00028 U	< 0.00023 U	< 0.0002 U	--	< 0.00047 U	< 0.0018 U	< 0.00025 U	< 0.00021 U	< 0.00022 U	< 0.00014 U	< 0.0009 U	0.017 J
DBMW-9	46	20	N	6/25/2007	< 0.00029 U	< 0.00023 U	< 0.0002 U	--	< 0.00047 U	< 0.0018 U	< 0.00025 U	< 0.00021 U	< 0.00022 U	< 0.00015 U	< 0.00091 U	0.0096 J+
DBMW-9	46	20	FD	6/25/2007	< 0.00029 U	< 0.00023 U	< 0.0002 U	--	< 0.00047 U	< 0.0018 U	< 0.00026 U	< 0.00021 U	< 0.00022 U	< 0.00015 U	< 0.00091 U	0.011 J
DBMW-9	46	30	N	6/25/2007	< 0.00029 U	< 0.00023 U	< 0.0002 U	--	< 0.00048 U	< 0.0018 U	< 0.00026 U	< 0.00021 U	< 0.00022 U	< 0.00015 U	< 0.00092 U	0.013 J
DBMW-9	46	40	N	6/25/2007	< 0.00029 U	< 0.00023 U	< 0.0002 U	--	< 0.00047 U	< 0.0018 U	< 0.00026 U	< 0.00021 U	< 0.00022 U	< 0.00015 U	< 0.00091 U	0.02 J+
DBMW-9	46	50	N	6/25/2007	< 0.00035 U	< 0.00028 U	< 0.00024 U	--	< 0.00058 U	< 0.0022 U	< 0.00031 U	< 0.00026 U	< 0.00027 U	< 0.00018 U	< 0.0011 U	0.021 J+
DBMW-9	46	60	N	6/25/2007	< 0.00037 U	< 0.0003 U	< 0.00026 U	--	< 0.00061 U	< 0.0023 U	< 0.00033 U	< 0.00027 U	< 0.00028 U	< 0.00019 U	< 0.0012 U	0.039 J+

TABLE B-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)											
					2,2-Dimethylpentane	2,3-Dimethylpentane	2,4-Dimethylpentane	2-Chloroethyl vinyl ether	2-Chlorotoluene	2-Nitropropane	2-Phenylbutane	3,3-dimethylpentane	3-ethylpentane	3-Methylhexane	4-Chlorotoluene	Acetone
DBMW-9	46	70	N	6/25/2007	< 0.00036 U	< 0.0003 U	< 0.00026 U	--	< 0.0006 U	< 0.0023 U	< 0.00033 U	< 0.00027 U	< 0.00028 U	< 0.00019 U	< 0.0012 U	0.02 J
PRSSNP-07	20c	0	N	6/20/2001	--	--	--	--	--	--	--	--	--	--	--	--
PUH-02	1a	1	N	3/25/1996	--	--	--	< 0.001 U	--	--	--	--	--	--	--	< 0.01 U
PUH-02	1a	5	N	3/25/1996	--	--	--	< 0.001 U	--	--	--	--	--	--	--	< 0.01 U
PUJ-14	1a	1	N	3/22/1996	--	--	--	< 0.0011 U	--	--	--	--	--	--	--	< 0.011 U
PUJ-14	1a	5	N	3/22/1996	--	--	--	< 0.001 U	--	--	--	--	--	--	--	< 0.01 U
PUK-02	1a	1	N	3/25/1996	--	--	--	< 0.001 U	--	--	--	--	--	--	--	< 0.01 U
PUK-02	1a	5	N	3/25/1996	--	--	--	< 0.0011 U	--	--	--	--	--	--	--	< 0.011 U
PUL-03	1a	1	N	3/25/1996	--	--	--	< 0.0011 U	--	--	--	--	--	--	--	< 0.011 U
PUL-03	1a	5	N	3/25/1996	--	--	--	< 0.001 U	--	--	--	--	--	--	--	< 0.01 U
PUL-09	1a	1	N	3/22/1996	--	--	--	< 0.0011 U	--	--	--	--	--	--	--	< 0.0032 U
PUL-09	1a	5	N	3/22/1996	--	--	--	< 0.0011 U	--	--	--	--	--	--	--	< 0.011 U
PUM-06	1a	1	N	3/22/1996	--	--	--	< 0.001 U	--	--	--	--	--	--	--	< 0.01 U
PUM-06	1a	5	N	3/22/1996	--	--	--	< 0.001 U	--	--	--	--	--	--	--	< 0.012 U
PUO-07BSSE	7d	0.5	N	3/24/2000	--	--	--	--	--	--	--	--	--	--	--	--
PUO-07BSSE	7d	1.5	N	3/24/2000	--	--	--	--	--	--	--	--	--	--	--	--
PUO-07BSSW	7d	0.5	N	3/24/2000	--	--	--	--	--	--	--	--	--	--	--	--
PUO-07BSSW	7d	1.5	N	3/24/2000	--	--	--	--	--	--	--	--	--	--	--	--
SB-11-B	27	0	N	6/18/2004	--	--	--	--	< 0.0059 UJ	--	< 0.0059 UJ	--	--	--	< 0.0059 UJ	< 0.023 UJ
SB-11-B	27	7	N	6/18/2004	--	--	--	--	< 0.0053 UJ	--	< 0.0053 UJ	--	--	--	< 0.0053 UJ	< 0.021 UJ
SB-11-B	27	18.5	N	6/18/2004	--	--	--	--	< 0.0057 UJ	--	< 0.0057 UJ	--	--	--	< 0.0057 UJ	< 0.023 UJ
SB-11-B	27	37	N	6/24/2004	--	--	--	--	< 0.0092 UJ	--	< 0.0092 UJ	--	--	--	< 0.0092 UJ	< 0.037 UJ
SB-11-B	27	57	N	6/24/2004	--	--	--	--	< 0.0089 UJ	--	< 0.0089 UJ	--	--	--	< 0.0089 UJ	< 0.036 UJ+
SB-11-B	27	77	N	6/24/2004	--	--	--	--	< 0.0074 UJ	--	< 0.0074 UJ	--	--	--	< 0.0074 UJ	< 0.03 UJ+
SB-15-A	27	0	N	6/19/2004	--	--	--	--	< 0.0053 U	--	< 0.0053 U	--	--	--	< 0.0053 U	0.071
SB-15-A	27	7	N	6/19/2004	--	--	--	--	< 0.0053 U	--	< 0.0053 U	--	--	--	< 0.0053 U	< 0.021 U
SB-15-A	27	17	N	6/19/2004	--	--	--	--	< 0.0052 U	--	< 0.0052 U	--	--	--	< 0.0052 U	0.054
SB-15-A	27	27	N	6/19/2004	--	--	--	--	< 0.0053 U	--	< 0.0053 U	--	--	--	< 0.0053 U	< 0.021 U
SB-15-A	27	47	N	6/19/2004	--	--	--	--	< 0.0094 U	--	< 0.0094 U	--	--	--	< 0.0094 U	< 0.038 U
SB-15-A	27	57	N	6/19/2004	--	--	--	--	< 0.009 U	--	< 0.009 U	--	--	--	< 0.009 U	< 0.036 U
SB-15-A	27	77	N	6/19/2004	--	--	--	--	< 0.006 U	--	< 0.006 U	--	--	--	< 0.006 U	< 0.024 U
SB-17-A	27	0	N	7/7/2004	--	--	--	--	< 0.0061 U	--	< 0.0061 U	--	--	--	< 0.0061 U	0.027
SB-17-A	27	7	N	7/7/2004	--	--	--	--	< 0.0051 U	--	< 0.0051 U	--	--	--	< 0.0051 U	0.016 J
SB-17-A	27	17	N	7/7/2004	--	--	--	--	< 0.0051 U	--	< 0.0051 U	--	--	--	< 0.0051 U	0.011 J
SB-17-A	27	27	N	7/7/2004	--	--	--	--	< 0.0064 U	--	< 0.0064 U	--	--	--	< 0.0064 U	0.008 J
SB-17-A	27	47	N	7/7/2004	--	--	--	--	< 0.0071 U	--	< 0.0071 U	--	--	--	< 0.0071 U	0.0044 J
SB-17-A	27	57	N	7/7/2004	--	--	--	--	< 0.0067 U	--	< 0.0067 U	--	--	--	< 0.0067 U	0.0042 J
SB-17-A	27	77	N	7/7/2004	--	--	--	--	< 0.0068 U	--	< 0.0068 U	--	--	--	< 0.0068 U	< 0.027 U
SB-17-A	27	97	N	7/7/2004	--	--	--	--	< 0.007 U	--	< 0.007 U	--	--	--	< 0.007 U	0.021 J

TABLE B-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)											
					2,2-Dimethylpentane	2,3-Dimethylpentane	2,4-Dimethylpentane	2-Chloroethyl vinyl ether	2-Chlorotoluene	2-Nitropropane	2-Phenylbutane	3,3-dimethylpentane	3-ethylpentane	3-Methylhexane	4-Chlorotoluene	Acetone
SB-18-A	27	0	N	6/21/2004	--	--	--	--	< 0.0053 U	--	< 0.0053 U	--	--	--	< 0.0053 U	0.04
SB-18-A	27	7	N	6/21/2004	--	--	--	--	< 0.0051 U	--	< 0.0051 U	--	--	--	< 0.0051 U	< 0.02 U
SB-18-A	27	17	N	6/21/2004	--	--	--	--	< 0.0051 U	--	< 0.0051 U	--	--	--	< 0.0051 U	< 0.02 U
SB-18-A	27	27	N	6/21/2004	--	--	--	--	< 0.0053 U	--	< 0.0053 U	--	--	--	< 0.0053 U	< 0.021 U
SB-18-A	27	47	N	6/21/2004	--	--	--	--	< 0.0051 U	--	< 0.0051 U	--	--	--	< 0.0051 U	< 0.021 U
SB-18-A	27	77	N	6/21/2004	--	--	--	--	< 0.0087 U	--	< 0.0087 U	--	--	--	< 0.0087 U	< 0.035 U
SB-18-A	27	87	N	6/21/2004	--	--	--	--	< 0.0081 U	--	< 0.0081 U	--	--	--	< 0.0081 U	< 0.032 U
SB-18-A	27	97	N	6/21/2004	--	--	--	--	< 0.007 U	--	< 0.007 U	--	--	--	< 0.007 U	< 0.028 U
SB-19-A	27	0	N	7/8/2004	--	--	--	--	< 0.0051 U	--	< 0.0051 U	--	--	--	< 0.0051 U	0.02 J
SB-19-A	27	7	N	7/8/2004	--	--	--	--	< 0.0051 U	--	< 0.0051 U	--	--	--	< 0.0051 U	0.022 J
SB-19-A	27	17	N	7/8/2004	--	--	--	--	< 0.0052 U	--	< 0.0052 U	--	--	--	< 0.0052 U	< 0.021 U
SB-19-A	27	27	N	7/8/2004	--	--	--	--	< 0.0052 U	--	< 0.0052 U	--	--	--	< 0.0052 U	< 0.021 U
SB-19-A	27	57	N	7/9/2004	--	--	--	--	< 0.009 U	--	< 0.009 U	--	--	--	< 0.009 U	< 0.036 U
SB-19-A	27	77	N	7/9/2004	--	--	--	--	< 0.0072 U	--	< 0.0072 U	--	--	--	< 0.0072 U	0.03 J
SB-19-A	27	97	N	7/9/2004	--	--	--	--	< 0.0084 U	--	< 0.0084 U	--	--	--	< 0.0084 U	0.049 J
WC-AD02	39	0	N	8/3/2006	--	--	--	--	--	--	--	--	--	--	--	< 0.004 U

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in mg/kg.
-- = no sample data.
Shaded results indicate soil has been excavated and removed.

TABLE B-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)											
					Acetonitrile	Benzene	Bromobenzene	Bromodichloromethane	Bromomethane	Carbon disulfide	Carbon tetrachloride	CFC-11	CFC-12	Chlorinated fluorocarbon (Freon 113)	Chlorobenzene	Chlorobromomethane
ADB-04	1a	1	N	4/18/1996	--	< 0.001 U	--	< 0.001 U	< 0.0021 U	< 0.001 U	< 0.001 U	< 0.001 U	--	--	< 0.001 U	--
ADB-04	1a	5	N	4/18/1996	--	< 0.001 U	--	< 0.001 U	< 0.0021 U	< 0.001 U	< 0.001 U	< 0.001 U	--	--	< 0.001 U	--
ADB-05	1a	1	N	4/19/1996	--	< 0.001 U	--	< 0.001 U	< 0.002 U	< 0.001 U	< 0.001 U	< 0.001 U	--	--	< 0.001 U	--
BDB-19	1a	1	N	3/25/1996	--	< 0.0052 U	--	< 0.001 U	< 0.0052 U	< 0.001 U	< 0.0052 U	< 0.0052 U	--	--	< 0.0052 U	--
BDB-19	1a	5	N	3/25/1996	--	< 0.0052 U	--	< 0.001 U	< 0.0052 U	< 0.001 U	< 0.0052 U	< 0.0052 U	--	--	< 0.0052 U	--
CSPUO-07NC	7b	1	N	4/27/2000	--	--	--	--	--	--	--	--	--	--	--	--
CSPUO-07NE	7b	1	N	4/27/2000	--	--	--	--	--	--	--	--	--	--	--	--
CSPUO-07NE2	7b	1	N	5/16/2000	--	--	--	--	--	--	--	--	--	--	--	--
CSPUO-07SC	7b	1	N	4/27/2000	--	--	--	--	--	--	--	--	--	--	--	--
CSPUO-07SE	7b	1	N	4/27/2000	--	--	--	--	--	--	--	--	--	--	--	--
CSPUO-07SW	7b	1	N	4/27/2000	--	--	--	--	--	--	--	--	--	--	--	--
CSPUP-08SC	7b	1	N	4/28/2000	--	--	--	--	--	--	--	--	--	--	--	--
CSPUP-08SE	7b	1	N	4/28/2000	--	--	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	1	N	6/26/2007	< 0.002 UJ	< 0.00017 U	< 0.00023 U	< 0.00034 U	< 0.00032 U	< 0.00056 U	< 0.00092 U	< 0.00051 U	< 0.00038 U	< 0.00055 U	< 0.00013 U	< 0.00042 U
DBMW-10	46	10	N	6/26/2007	< 0.002 UJ	< 0.00017 U	< 0.00023 U	< 0.00035 U	< 0.00032 U	< 0.00057 U	< 0.00093 U	< 0.00052 U	< 0.00039 U	< 0.00055 U	< 0.00013 U	< 0.00043 U
DBMW-10	46	20	N	6/26/2007	< 0.002 UJ	< 0.00017 U	< 0.00023 U	< 0.00034 U	< 0.00032 U	< 0.00056 U	< 0.00092 U	< 0.00051 U	< 0.00038 U	< 0.00055 U	< 0.00013 U	< 0.00042 U
DBMW-10	46	30	N	6/26/2007	< 0.0021 UJ	< 0.00018 U	< 0.00024 U	< 0.00035 U	< 0.00033 U	< 0.00058 U	< 0.00095 U	< 0.00053 U	< 0.00039 U	< 0.00056 U	< 0.00013 U	< 0.00044 U
DBMW-10	46	30	FD	6/26/2007	< 0.0022 UJ	< 0.00019 U	< 0.00025 U	< 0.00037 U	< 0.00034 U	< 0.00061 U	< 0.001 U	< 0.00055 U	< 0.00041 U	< 0.00059 U	< 0.00014 U	< 0.00046 U
DBMW-10	46	40	N	6/26/2007	< 0.0021 UJ	< 0.00018 U	< 0.00024 U	< 0.00035 U	< 0.00033 U	< 0.00058 U	< 0.00095 U	< 0.00053 U	< 0.00039 U	< 0.00056 U	< 0.00013 U	< 0.00043 U
DBMW-10	46	50	N	6/26/2007	< 0.0021 UJ	< 0.00018 U	< 0.00024 U	< 0.00035 U	< 0.00033 U	< 0.00058 U	< 0.00096 U	< 0.00053 U	< 0.0004 U	< 0.00057 U	< 0.00013 U	< 0.00043 U
DBMW-10	46	60	N	6/27/2007	< 0.0022 UJ	< 0.00018 U	< 0.00025 U	< 0.00036 U	< 0.00034 U	< 0.0006 U	< 0.00098 U	< 0.00055 U	< 0.00041 U	< 0.00058 U	< 0.00014 U	< 0.00045 U
DBMW-10	46	70	N	7/2/2007	< 0.0028 UJ	< 0.00024 U	< 0.00032 U	< 0.00047 U	< 0.00044 U	< 0.00077 U	< 0.0013 U	< 0.0007 U	< 0.00052 U	< 0.00075 U	< 0.00017 U	< 0.00059 U
DBMW-11	46	1	N	7/5/2007	< 0.002 UJ	< 0.00017 U	< 0.00022 U	< 0.00033 U	< 0.00031 U	< 0.00055 U	< 0.0009 U	< 0.0005 U	< 0.00037 U	< 0.00053 U	< 0.00012 U	< 0.00042 U
DBMW-11	46	10	N	7/5/2007	< 0.002 UJ	< 0.00017 U	< 0.00023 U	< 0.00034 U	< 0.00032 U	< 0.00057 U	< 0.00093 U	< 0.00052 U	< 0.00038 U	< 0.00055 U	< 0.00013 U	< 0.00043 U
DBMW-11	46	20	N	7/5/2007	< 0.0021 UJ	< 0.00018 U	< 0.00024 U	< 0.00035 U	< 0.00033 U	< 0.00057 U	< 0.00094 U	< 0.00052 U	< 0.00039 U	< 0.00056 U	< 0.00013 U	< 0.00043 U
DBMW-11	46	30	N	7/6/2007	< 0.0022 U	< 0.00019 U	< 0.00025 U	< 0.00037 U	< 0.00035 U	< 0.00061 U	< 0.001 U	< 0.00056 U	< 0.00042 U	< 0.0006 U	< 0.00014 U	< 0.00046 U
DBMW-11	46	40	N	7/6/2007	< 0.0025 U	< 0.00022 U	< 0.00029 U	< 0.00043 U	< 0.0004 U	< 0.0007 UJ	< 0.0012 U	< 0.00064 U	< 0.00048 U	< 0.00068 U	< 0.00016 U	< 0.00053 U
DBMW-11	46	50	N	7/6/2007	< 0.0025 U	< 0.00022 U	< 0.00029 U	< 0.00043 U	< 0.0004 U	< 0.0007 UJ	< 0.0012 U	< 0.00064 U	< 0.00048 U	< 0.00068 U	< 0.00016 U	< 0.00053 U
DBMW-11	46	50	FD	7/6/2007	< 0.0028 U	< 0.00023 U	< 0.00031 U	< 0.00046 U	< 0.00043 U	< 0.00076 UJ	< 0.0013 U	< 0.0007 U	< 0.00052 U	< 0.00074 U	< 0.00017 U	< 0.00058 U
DBMW-11	46	60	N	7/6/2007	< 0.0031 U	< 0.00026 U	< 0.00035 U	< 0.00052 U	< 0.00049 U	< 0.00086 UJ	< 0.0014 U	< 0.00079 U	< 0.00058 U	< 0.00084 U	< 0.00019 U	< 0.00065 U
DBMW-11	46	70	N	7/6/2007	< 0.0026 U	< 0.00022 U	< 0.00029 U	< 0.00044 U	< 0.00041 U	< 0.00072 UJ	< 0.0012 U	< 0.00066 U	< 0.00049 U	< 0.0007 U	< 0.00016 U	< 0.00054 U
DBMW-9	46	1	N	6/25/2007	< 0.002 UJ	< 0.00017 U	< 0.00023 U	< 0.00034 U	< 0.00032 U	< 0.00056 U	< 0.00092 U	< 0.00051 U	< 0.00038 U	< 0.00054 U	< 0.00013 U	< 0.00042 U
DBMW-9	46	10	N	6/25/2007	< 0.002 UJ	< 0.00017 U	< 0.00023 U	< 0.00034 U	< 0.00032 U	< 0.00056 U	< 0.00093 U	< 0.00051 U	< 0.00038 U	< 0.00055 U	< 0.00013 U	< 0.00042 U
DBMW-9	46	20	N	6/25/2007	< 0.0021 UJ	< 0.00018 U	< 0.00023 U	< 0.00035 U	< 0.00032 U	< 0.00057 U	< 0.00094 U	< 0.00052 U	< 0.00039 U	< 0.00055 U	< 0.00013 U	< 0.00043 U
DBMW-9	46	20	FD	6/25/2007	< 0.0021 UJ	< 0.00018 U	< 0.00023 U	< 0.00035 U	< 0.00032 U	< 0.00057 U	< 0.00094 U	< 0.00052 U	< 0.00039 U	< 0.00056 U	< 0.00013 U	< 0.00043 U
DBMW-9	46	30	N	6/25/2007	< 0.0021 UJ	< 0.00018 U	< 0.00024 U	< 0.00035 U	< 0.00033 U	< 0.00057 U	< 0.00094 U	< 0.00053 U	< 0.00039 U	< 0.00056 U	< 0.00013 U	< 0.00043 U
DBMW-9	46	40	N	6/25/2007	< 0.0021 UJ	< 0.00018 U	< 0.00023 U	< 0.00035 U	< 0.00032 U	< 0.00057 U	< 0.00094 U	< 0.00052 U	< 0.00039 U	< 0.00055 U	< 0.00013 U	< 0.00043 U
DBMW-9	46	50	N	6/25/2007	< 0.0025 UJ	< 0.00021 U	< 0.00029 U	< 0.00042 U	< 0.00039 U	< 0.0007 U	< 0.0011 U	< 0.00064 U	< 0.00047 U	< 0.00068 U	< 0.00016 U	< 0.00052 U
DBMW-9	46	60	N	6/25/2007	< 0.0026 UJ	< 0.00023 U	< 0.0003 U	< 0.00045 U	< 0.00042 U	< 0.00073 U	< 0.0012 U	< 0.00067 U	< 0.0005 U	< 0.00071 U	< 0.00017 U	< 0.00055 U

TABLE B-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)											
					Acetonitrile	Benzene	Bromobenzene	Bromodichloromethane	Bromomethane	Carbon disulfide	Carbon tetrachloride	CFC-11	CFC-12	Chlorinated fluorocarbon (Freon 113)	Chlorobenzene	Chlorobromomethane
DBMW-9	46	70	N	6/25/2007	< 0.0026 UJ	< 0.00022 U	< 0.0003 U	< 0.00044 U	< 0.00041 U	< 0.00073 U	< 0.0012 U	< 0.00067 U	< 0.00049 U	< 0.00071 U	< 0.00016 U	< 0.00054 U
PRSSNP-07	20c	0	N	6/20/2001	--	--	--	--	--	--	--	--	--	--	--	--
PUH-02	1a	1	N	3/25/1996	--	< 0.0052 U	--	< 0.001 U	< 0.0052 U	< 0.001 U	< 0.0052 U	< 0.0052 U	--	--	< 0.0052 U	--
PUH-02	1a	5	N	3/25/1996	--	< 0.0052 U	--	< 0.001 U	< 0.0052 U	< 0.001 U	< 0.0052 U	< 0.0052 U	--	--	< 0.0052 U	--
PUJ-14	1a	1	N	3/22/1996	--	< 0.0053 U	--	< 0.0011 U	< 0.0053 U	< 0.0011 U	< 0.0053 U	< 0.0053 U	--	--	< 0.0053 U	--
PUJ-14	1a	5	N	3/22/1996	--	< 0.0052 U	--	< 0.001 U	< 0.0052 U	< 0.001 U	< 0.0052 U	< 0.0052 U	--	--	< 0.0052 U	--
PUK-02	1a	1	N	3/25/1996	--	< 0.0051 U	--	< 0.001 U	< 0.0051 U	< 0.001 U	< 0.0051 U	< 0.0051 U	--	--	< 0.0051 U	--
PUK-02	1a	5	N	3/25/1996	--	< 0.0055 U	--	< 0.0011 U	< 0.0055 U	< 0.0011 U	< 0.0055 U	< 0.0055 U	--	--	< 0.0055 U	--
PUL-03	1a	1	N	3/25/1996	--	< 0.0055 U	--	< 0.0011 U	< 0.0055 U	< 0.0011 U	< 0.0055 U	< 0.0055 U	--	--	< 0.0055 U	--
PUL-03	1a	5	N	3/25/1996	--	< 0.005 U	--	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.005 U	--	--	< 0.005 U	--
PUL-09	1a	1	N	3/22/1996	--	< 0.0011 U	--	< 0.0011 U	< 0.0021 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	--	--	< 0.0011 U	--
PUL-09	1a	5	N	3/22/1996	--	< 0.0053 U	--	< 0.0011 U	< 0.0053 U	< 0.0011 U	< 0.0053 U	< 0.0053 U	--	--	< 0.0053 U	--
PUM-06	1a	1	N	3/22/1996	--	< 0.0051 U	--	< 0.001 U	< 0.0051 U	< 0.001 U	< 0.0051 U	< 0.0051 U	--	--	< 0.0051 U	--
PUM-06	1a	5	N	3/22/1996	--	< 0.0059 U	--	< 0.001 U	< 0.0059 U	< 0.001 U	< 0.0059 U	< 0.0059 U	--	--	< 0.0059 U	--
PUO-07BSSE	7d	0.5	N	3/24/2000	--	--	--	--	--	--	--	--	--	--	--	--
PUO-07BSSE	7d	1.5	N	3/24/2000	--	--	--	--	--	--	--	--	--	--	--	--
PUO-07BSSW	7d	0.5	N	3/24/2000	--	--	--	--	--	--	--	--	--	--	--	--
PUO-07BSSW	7d	1.5	N	3/24/2000	--	--	--	--	--	--	--	--	--	--	--	--
SB-11-B	27	0	N	6/18/2004	< 0.059 UJ+	0.00096 J	< 0.0059 UJ	< 0.0059 UJ	< 0.012 UJ	< 0.0059 UJ	< 0.0059 UJ	< 0.0059 UJ	< 0.012 UJ	< 0.0059 UJ	< 0.0059 UJ	< 0.0059 UJ
SB-11-B	27	7	N	6/18/2004	< 0.053 UJ+	0.00058 J	< 0.0053 UJ	< 0.0053 UJ	< 0.011 UJ	< 0.0053 UJ	< 0.0053 UJ	< 0.0053 UJ	< 0.011 UJ	< 0.0053 UJ	< 0.0053 UJ	< 0.0053 UJ
SB-11-B	27	18.5	N	6/18/2004	< 0.057 UJ+	0.00051 J	< 0.0057 UJ	< 0.0057 UJ	< 0.011 UJ	< 0.0057 UJ	< 0.0057 UJ	< 0.0057 UJ	< 0.011 UJ	< 0.0057 UJ	< 0.0057 UJ	< 0.0057 UJ
SB-11-B	27	37	N	6/24/2004	< 0.092 UJ+	< 0.0092 UJ	< 0.0092 UJ	< 0.0092 UJ	< 0.018 UJ	< 0.0092 UJ	< 0.0092 UJ	< 0.0092 UJ	< 0.018 UJ	< 0.0092 UJ	< 0.0092 UJ	< 0.0092 UJ
SB-11-B	27	57	N	6/24/2004	< 0.089 UJ+	0.0012 J	< 0.0089 UJ	< 0.0089 UJ	< 0.018 UJ+	< 0.0089 UJ	< 0.0089 UJ	< 0.0089 UJ	< 0.018 UJ	< 0.0089 UJ	< 0.0089 UJ	< 0.0089 UJ
SB-11-B	27	77	N	6/24/2004	< 0.074 UJ+	< 0.0074 UJ	< 0.0074 UJ	< 0.0074 UJ	< 0.015 UJ	< 0.0074 UJ	< 0.0074 UJ	< 0.0074 UJ	< 0.015 UJ	< 0.0074 UJ	< 0.0074 UJ	< 0.0074 UJ
SB-15-A	27	0	N	6/19/2004	< 0.053 U	0.001 J	< 0.0053 U	< 0.0053 U	< 0.011 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.011 U	< 0.0052 U	< 0.0053 U	< 0.0053 U
SB-15-A	27	7	N	6/19/2004	< 0.053 U	0.00088 J	< 0.0053 U	< 0.0053 U	< 0.011 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.011 U	< 0.0053 U	< 0.0053 U	< 0.0053 U
SB-15-A	27	17	N	6/19/2004	< 0.052 U	0.0012 J	< 0.0052 U	< 0.0052 U	< 0.01 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.01 U	< 0.0052 U	< 0.0052 U	< 0.0052 U
SB-15-A	27	27	N	6/19/2004	< 0.052 U	0.0014 J	< 0.0053 U	< 0.0053 U	< 0.01 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.01 U	< 0.0053 U	< 0.0053 U	< 0.0053 U
SB-15-A	27	47	N	6/19/2004	< 0.094 U	< 0.0094 U	< 0.0094 U	< 0.0094 U	< 0.019 U	< 0.0094 U	0.00075 J	< 0.0094 U	< 0.019 U	< 0.0094 U	< 0.0094 U	< 0.0094 U
SB-15-A	27	57	N	6/19/2004	< 0.09 U	0.00091 J	< 0.009 U	< 0.009 U	< 0.018 U	< 0.009 U	0.0021 J	< 0.009 U	< 0.018 U	< 0.009 U	< 0.009 U	< 0.009 U
SB-15-A	27	77	N	6/19/2004	< 0.06 U	0.0019 J	< 0.006 U	< 0.006 U	< 0.012 U	< 0.006 U	< 0.006 U	< 0.006 U	< 0.012 U	< 0.006 U	< 0.006 U	< 0.006 U
SB-17-A	27	0	N	7/7/2004	< 0.061 U	0.0011 J	< 0.0061 U	< 0.0061 U	< 0.012 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.012 U	< 0.0061 U	< 0.0061 U	< 0.0051 U
SB-17-A	27	7	N	7/7/2004	< 0.051 U	0.00061 J	< 0.0051 U	< 0.0051 U	< 0.01 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.01 U	< 0.0051 U	< 0.0051 U	< 0.0051 U
SB-17-A	27	17	N	7/7/2004	< 0.051 U	0.00098 J	< 0.0051 U	< 0.0051 U	< 0.01 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.01 U	< 0.0051 U	< 0.0051 U	< 0.0051 U
SB-17-A	27	27	N	7/7/2004	< 0.064 U	0.0012 J	< 0.0064 U	< 0.0064 U	< 0.013 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.013 U	< 0.0064 U	< 0.0064 U	< 0.0064 U
SB-17-A	27	47	N	7/7/2004	< 0.071 U	< 0.0071 U	< 0.0071 U	< 0.0071 U	< 0.014 U	< 0.0071 U	0.00028 J	< 0.0071 U	< 0.014 U	< 0.0071 U	< 0.0071 U	< 0.0071 U
SB-17-A	27	57	N	7/7/2004	< 0.067 U	0.0007 J	< 0.0067 U	< 0.0067 U	< 0.013 U	< 0.0067 U	0.0012 J	< 0.0067 U	< 0.013 U	< 0.0067 U	< 0.0067 U	< 0.0067 U
SB-17-A	27	77	N	7/7/2004	< 0.068 U	0.00073 J	< 0.0068 U	< 0.0068 U	< 0.014 U	< 0.0068 U	< 0.0068 U	< 0.0068 U	< 0.014 U	< 0.0068 U	< 0.0068 U	< 0.0052 U
SB-17-A	27	97	N	7/7/2004	< 0.07 U	0.00045 J	< 0.007 U	< 0.007 U	< 0.014 U	0.0013 J	< 0.007 U	< 0.007 U	< 0.014 U	< 0.007 U	< 0.007 U	< 0.007 U

TABLE B-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)											
					Acetonitrile	Benzene	Bromobenzene	Bromodichloromethane	Bromomethane	Carbon disulfide	Carbon tetrachloride	CFC-11	CFC-12	Chlorinated fluorocarbon (Freon 113)	Chlorobenzene	Chlorobromomethane
SB-18-A	27	0	N	6/21/2004	< 0.053 U	0.00069 J	< 0.0053 U	< 0.0053 U	< 0.011 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.011 U	< 0.0053 U	< 0.0053 U	< 0.0053 U
SB-18-A	27	7	N	6/21/2004	< 0.051 U	0.00069 J	< 0.0051 U	< 0.0051 U	< 0.01 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.01 U	< 0.0051 U	< 0.0051 U	< 0.0051 U
SB-18-A	27	17	N	6/21/2004	< 0.051 U	0.00067 J	< 0.0051 U	< 0.0051 U	< 0.01 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.01 U	< 0.0051 U	< 0.0051 U	< 0.0051 U
SB-18-A	27	27	N	6/21/2004	< 0.053 U	0.00045 J	< 0.0053 U	< 0.0053 U	< 0.011 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.011 U	< 0.0053 U	< 0.0053 U	< 0.0053 U
SB-18-A	27	47	N	6/21/2004	< 0.051 U	0.001 J	< 0.0051 U	< 0.0051 U	< 0.01 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.01 U	< 0.0051 U	< 0.0051 U	< 0.0051 U
SB-18-A	27	77	N	6/21/2004	< 0.087 U	0.0017 J	< 0.0087 U	< 0.0087 U	< 0.017 U	< 0.0087 U	0.004 J	< 0.0087 U	< 0.017 U	< 0.0087 U	< 0.0087 U	< 0.0087 U
SB-18-A	27	87	N	6/21/2004	< 0.081 U	0.0027 J	< 0.0081 U	< 0.0081 U	< 0.016 U	< 0.0081 U	< 0.0081 U	< 0.0081 U	< 0.016 U	< 0.0081 U	< 0.0081 U	< 0.0081 U
SB-18-A	27	97	N	6/21/2004	< 0.07 U	0.00049 J	< 0.007 U	< 0.007 U	< 0.014 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.014 U	< 0.007 U	< 0.007 U	< 0.007 U
SB-19-A	27	0	N	7/8/2004	< 0.051 U	0.00079 J	< 0.0051 U	< 0.0051 U	< 0.01 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.01 U	< 0.0051 U	< 0.0051 U	< 0.0051 U
SB-19-A	27	7	N	7/8/2004	< 0.051 U	0.0005 J	< 0.0051 U	< 0.0051 U	< 0.01 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.01 U	< 0.0051 U	< 0.0051 U	< 0.0051 U
SB-19-A	27	17	N	7/8/2004	< 0.052 U	0.00071 J	< 0.0052 U	< 0.0052 U	< 0.01 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.01 U	< 0.0052 U	< 0.0052 U	< 0.0052 U
SB-19-A	27	27	N	7/8/2004	< 0.052 U	0.00032 J	< 0.0052 U	< 0.0052 U	< 0.01 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.01 U	< 0.0052 U	< 0.0052 U	< 0.0052 U
SB-19-A	27	57	N	7/9/2004	< 0.09 U	0.0038 J	< 0.009 U	< 0.009 U	< 0.018 U	< 0.009 U	0.0034 J	< 0.009 U	< 0.018 U	< 0.009 U	< 0.009 U	< 0.009 U
SB-19-A	27	77	N	7/9/2004	< 0.072 U	0.0033 J	< 0.0072 U	< 0.0072 U	< 0.014 U	< 0.0072 U	< 0.0072 U	< 0.0072 U	< 0.014 U	< 0.0072 U	< 0.0072 U	< 0.0072 U
SB-19-A	27	97	N	7/9/2004	< 0.084 U	0.0004 J	< 0.0084 U	< 0.0084 U	< 0.017 U	0.022	< 0.0084 U	< 0.0084 U	< 0.017 U	< 0.0084 U	< 0.0084 U	< 0.0084 U
WC-AD02	39	0	N	8/3/2006	< 0.0021 UJ	< 0.00018 U	--	< 0.00035 U	< 0.00032 U	< 0.00057 U	< 0.00094 U	< 0.00052 U	< 0.00039 U	< 0.00055 U	< 0.00013 U	--

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in mg/kg.
-- = no sample data.
Shaded results indicate soil has been excavated and removed.

TABLE B-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)											
					Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloropropylene	Cymene	Dibromomethane	Dichloromethane	Ethylbenzene	Hexane, 2-methyl-	Isopropylbenzene
ADB-04	1a	1	N	4/18/1996	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.0021 U	--	--	< 0.001 U	< 0.001 U	--	--
ADB-04	1a	5	N	4/18/1996	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.0021 U	--	--	< 0.001 U	< 0.001 U	--	--
ADB-05	1a	1	N	4/19/1996	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.002 U	--	--	< 0.001 U	< 0.001 U	--	--
BDB-19	1a	1	N	3/25/1996	< 0.001 U	< 0.001 U	< 0.0052 U	< 0.001 U	< 0.001 U	< 0.0021 U	--	--	< 0.0052 U	< 0.001 U	--	--
BDB-19	1a	5	N	3/25/1996	< 0.001 U	< 0.001 U	< 0.0052 U	< 0.001 U	< 0.001 U	< 0.0021 U	--	--	< 0.0052 U	< 0.001 U	--	--
CSPUO-07NC	7b	1	N	4/27/2000	--	--	--	--	--	--	--	--	--	--	--	--
CSPUO-07NE	7b	1	N	4/27/2000	--	--	--	--	--	--	--	--	--	--	--	--
CSPUO-07NE2	7b	1	N	5/16/2000	--	--	--	--	--	--	--	--	--	--	--	--
CSPUO-07SC	7b	1	N	4/27/2000	--	--	--	--	--	--	--	--	--	--	--	--
CSPUO-07SE	7b	1	N	4/27/2000	--	--	--	--	--	--	--	--	--	--	--	--
CSPUO-07SW	7b	1	N	4/27/2000	--	--	--	--	--	--	--	--	--	--	--	--
CSPUP-08SC	7b	1	N	4/28/2000	--	--	--	--	--	--	--	--	--	--	--	--
CSPUP-08SE	7b	1	N	4/28/2000	--	--	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	1	N	6/26/2007	< 0.0003 U	< 0.00036 U	< 0.00015 U	< 0.00045 U	< 0.00044 U	< 0.00074 U	< 0.00024 U	< 0.00036 U	< 0.0026 U	< 0.00019 U	< 0.00021 U	< 0.00018 U
DBMW-10	46	10	N	6/26/2007	< 0.0003 U	< 0.00036 U	< 0.00015 U	< 0.00046 U	< 0.00044 U	< 0.00075 U	< 0.00025 U	< 0.00036 U	< 0.0026 U	< 0.00019 U	< 0.00021 U	< 0.00018 U
DBMW-10	46	20	N	6/26/2007	< 0.0003 U	< 0.00036 U	< 0.00015 U	< 0.00045 U	< 0.00044 U	< 0.00074 U	< 0.00024 U	< 0.00036 U	< 0.0026 U	< 0.00019 U	< 0.00021 U	< 0.00018 U
DBMW-10	46	30	N	6/26/2007	< 0.00031 U	< 0.00037 U	< 0.00015 U	< 0.00047 U	< 0.00045 U	< 0.00077 U	< 0.00025 U	< 0.00037 U	< 0.0026 U	< 0.0002 U	< 0.00021 U	< 0.00019 U
DBMW-10	46	30	FD	6/26/2007	< 0.00032 U	< 0.00039 U	< 0.00016 U	< 0.00049 U	< 0.00047 U	< 0.0008 U	< 0.00026 U	< 0.00039 U	< 0.0028 U	< 0.00021 U	< 0.00022 U	< 0.0002 U
DBMW-10	46	40	N	6/26/2007	< 0.0003 U	< 0.00037 U	< 0.00015 U	< 0.00047 U	< 0.00045 U	< 0.00076 U	< 0.00025 U	< 0.00037 U	< 0.0026 U	< 0.0002 U	< 0.00021 U	< 0.00019 U
DBMW-10	46	50	N	6/26/2007	< 0.0003 U	< 0.00037 U	< 0.00015 U	< 0.00047 U	< 0.00045 U	< 0.00077 U	< 0.00025 U	< 0.00037 U	< 0.0026 U	< 0.0002 U	< 0.00021 U	< 0.00019 U
DBMW-10	46	60	N	6/27/2007	< 0.00032 U	< 0.00038 U	< 0.00015 U	< 0.00048 U	< 0.00047 U	< 0.00079 U	< 0.00026 U	< 0.00038 U	< 0.0027 U	< 0.0002 U	< 0.00022 U	< 0.00019 U
DBMW-10	46	70	N	7/2/2007	< 0.00041 U	< 0.00049 U	0.021	< 0.00062 U	< 0.0006 U	< 0.001 U	< 0.00033 U	< 0.00049 U	0.0074	< 0.00026 U	< 0.00028 U	< 0.00025 U
DBMW-11	46	1	N	7/5/2007	< 0.00029 U	< 0.00035 U	< 0.00014 U	< 0.00044 U	< 0.00042 U	< 0.00072 U	< 0.00024 U	< 0.00035 U	< 0.0025 U	< 0.00018 U	< 0.0002 U	< 0.00018 U
DBMW-11	46	10	N	7/5/2007	< 0.0003 U	< 0.00036 U	< 0.00015 U	< 0.00046 U	< 0.00044 U	< 0.00075 U	< 0.00024 U	< 0.00036 U	< 0.0026 U	< 0.00019 U	< 0.00021 U	< 0.00018 U
DBMW-11	46	20	N	7/5/2007	< 0.0003 U	< 0.00037 U	< 0.00015 U	< 0.00046 U	< 0.00045 U	< 0.00076 U	< 0.00025 U	< 0.00037 U	< 0.0026 U	< 0.00019 U	< 0.00021 U	< 0.00018 U
DBMW-11	46	30	N	7/6/2007	< 0.00032 U	< 0.00039 U	< 0.00016 U	< 0.0005 U	< 0.00048 U	< 0.00081 U	< 0.00027 U	< 0.00039 U	< 0.0028 U	0.00042 J	< 0.00023 U	< 0.0002 U
DBMW-11	46	40	N	7/6/2007	< 0.00037 U	< 0.00045 U	< 0.00018 U	< 0.00057 U	< 0.00054 U	< 0.00093 U	< 0.0003 U	< 0.00045 U	< 0.0032 U	0.00041 J	< 0.00026 U	< 0.00023 U
DBMW-11	46	50	N	7/6/2007	< 0.00037 U	< 0.00045 U	0.052 J	< 0.00057 U	< 0.00055 U	< 0.00093 U	< 0.0003 U	< 0.00045 U	< 0.0032 U	0.00049 J	< 0.00026 U	< 0.00023 U
DBMW-11	46	50	FD	7/6/2007	< 0.0004 U	< 0.00049 U	0.023 J	< 0.00062 U	< 0.00059 U	< 0.001 U	< 0.00033 U	< 0.00049 U	< 0.0035 U	0.00055 J	< 0.00028 U	< 0.00025 U
DBMW-11	46	60	N	7/6/2007	< 0.00045 U	< 0.00055 U	0.025	< 0.00069 U	< 0.00067 U	< 0.0011 U	< 0.00037 U	< 0.00055 U	< 0.0039 U	0.0006 J	< 0.00032 U	< 0.00028 U
DBMW-11	46	70	N	7/6/2007	< 0.00038 U	< 0.00046 U	< 0.00019 U	< 0.00058 U	< 0.00056 U	< 0.00095 U	< 0.00031 U	< 0.00046 U	< 0.0033 U	0.00064 J	< 0.00026 U	< 0.00023 U
DBMW-9	46	1	N	6/25/2007	< 0.00029 U	< 0.00036 U	< 0.00014 U	< 0.00045 U	< 0.00044 U	< 0.00074 U	< 0.00024 U	< 0.00036 U	0.0077	< 0.00019 U	< 0.00021 U	< 0.00018 U
DBMW-9	46	10	N	6/25/2007	< 0.00029 U	< 0.00036 U	< 0.00015 U	< 0.00045 U	< 0.00044 U	< 0.00075 U	< 0.00024 U	< 0.00036 U	0.0073	< 0.00019 U	< 0.00021 U	< 0.00018 U
DBMW-9	46	20	N	6/25/2007	< 0.0003 U	< 0.00036 U	< 0.00015 U	< 0.00046 U	< 0.00044 U	< 0.00075 U	< 0.00025 U	< 0.00036 U	0.0044 J+	< 0.00019 U	< 0.00021 U	< 0.00018 U
DBMW-9	46	20	FD	6/25/2007	< 0.0003 U	< 0.00036 U	< 0.00015 U	< 0.00046 U	< 0.00044 U	< 0.00076 U	< 0.00025 U	< 0.00036 U	< 0.0026 U	< 0.00019 U	< 0.00021 U	< 0.00018 U
DBMW-9	46	30	N	6/25/2007	< 0.0003 U	< 0.00037 U	< 0.00015 U	< 0.00046 U	< 0.00045 U	< 0.00076 U	< 0.00025 U	< 0.00037 U	0.006	< 0.00019 U	< 0.00021 U	< 0.00018 U
DBMW-9	46	40	N	6/25/2007	< 0.0003 U	< 0.00036 U	< 0.00015 U	< 0.00046 U	< 0.00044 U	< 0.00076 U	< 0.00025 U	< 0.00036 U	0.0065 J+	< 0.00019 U	< 0.00021 U	< 0.00018 U
DBMW-9	46	50	N	6/25/2007	< 0.00036 U	< 0.00044 U	< 0.00018 U	< 0.00056 U	< 0.00054 U	< 0.00092 U	< 0.0003 U	< 0.00044 U	0.0075 J+	< 0.00024 U	< 0.00026 U	< 0.00022 U
DBMW-9	46	60	N	6/25/2007	< 0.00038 U	< 0.00047 U	< 0.00019 U	< 0.00059 U	< 0.00057 U	< 0.00097 U	< 0.00032 U	< 0.00047 U	0.012 J+	< 0.00025 U	< 0.00027 U	< 0.00024 U

TABLE B-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)											
					Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloropropylene	Cymene	Dibromomethane	Dichloromethane	Ethylbenzene	Hexane, 2-methyl-	Isopropylbenzene
DBMW-9	46	70	N	6/25/2007	< 0.00038 U	< 0.00046 U	0.0079	< 0.00059 U	< 0.00057 U	< 0.00096 U	< 0.00031 U	< 0.00046 U	0.0093	< 0.00025 U	< 0.00027 U	< 0.00023 U
PRSSNP-07	20c	0	N	6/20/2001	--	--	--	--	--	--	--	--	--	--	--	--
PUH-02	1a	1	N	3/25/1996	< 0.001 U	< 0.001 U	< 0.0052 U	< 0.001 U	< 0.001 U	< 0.0021 U	--	--	< 0.0052 U	< 0.001 U	--	--
PUH-02	1a	5	N	3/25/1996	< 0.001 U	< 0.001 U	< 0.0052 U	< 0.001 U	< 0.001 U	< 0.0021 U	--	--	< 0.0052 U	< 0.001 U	--	--
PUJ-14	1a	1	N	3/22/1996	< 0.0011 U	< 0.0011 U	< 0.0053 U	< 0.0011 U	< 0.0011 U	< 0.0021 U	--	--	< 0.0053 U	< 0.0011 U	--	--
PUJ-14	1a	5	N	3/22/1996	< 0.001 U	< 0.001 U	< 0.0052 U	< 0.001 U	< 0.001 U	< 0.0021 U	--	--	< 0.0052 U	< 0.001 U	--	--
PUK-02	1a	1	N	3/25/1996	< 0.001 U	< 0.001 U	< 0.0051 U	< 0.001 U	< 0.001 U	< 0.002 U	--	--	< 0.0051 U	< 0.001 U	--	--
PUK-02	1a	5	N	3/25/1996	< 0.0011 U	< 0.0011 U	< 0.0055 U	< 0.0011 U	< 0.0011 U	< 0.0022 U	--	--	< 0.0055 U	< 0.0011 U	--	--
PUL-03	1a	1	N	3/25/1996	< 0.0011 U	< 0.0011 U	< 0.0055 U	< 0.0011 U	< 0.0011 U	< 0.0022 U	--	--	< 0.0055 U	< 0.0011 U	--	--
PUL-03	1a	5	N	3/25/1996	< 0.001 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.001 U	< 0.002 U	--	--	< 0.005 U	< 0.001 U	--	--
PUL-09	1a	1	N	3/22/1996	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0021 U	--	--	< 0.0011 U	< 0.0011 U	--	--
PUL-09	1a	5	N	3/22/1996	< 0.0011 U	< 0.0011 U	< 0.0053 U	< 0.0011 U	< 0.0011 U	< 0.0021 U	--	--	< 0.0053 U	< 0.0011 U	--	--
PUM-06	1a	1	N	3/22/1996	< 0.001 U	< 0.001 U	< 0.0051 U	< 0.001 U	< 0.001 U	< 0.002 U	--	--	< 0.0051 U	< 0.001 U	--	--
PUM-06	1a	5	N	3/22/1996	< 0.001 U	< 0.001 U	< 0.0059 U	< 0.001 U	< 0.001 U	< 0.002 U	--	--	< 0.0059 U	< 0.001 U	--	--
PUO-07BSSE	7d	0.5	N	3/24/2000	--	--	--	--	--	--	--	--	--	--	--	--
PUO-07BSSE	7d	1.5	N	3/24/2000	--	--	--	--	--	--	--	--	--	--	--	--
PUO-07BSSW	7d	0.5	N	3/24/2000	--	--	--	--	--	--	--	--	--	--	--	--
PUO-07BSSW	7d	1.5	N	3/24/2000	--	--	--	--	--	--	--	--	--	--	--	--
SB-11-B	27	0	N	6/18/2004	< 0.0059 UJ	< 0.0059 UJ	< 0.0059 UJ	< 0.012 UJ+	< 0.0059 UJ	< 0.0059 UJ	< 0.0059 UJ	< 0.0059 UJ	< 0.0059 UJ+	< 0.0059 UJ	--	< 0.0059 UJ
SB-11-B	27	7	N	6/18/2004	< 0.0053 UJ	< 0.0053 UJ	< 0.0053 UJ	< 0.011 UJ+	< 0.0053 UJ	< 0.0053 UJ	< 0.0053 UJ	< 0.0053 UJ	< 0.0053 UJ+	< 0.0053 UJ	--	< 0.0053 UJ
SB-11-B	27	18.5	N	6/18/2004	< 0.0057 UJ	< 0.0057 UJ	< 0.0057 UJ	< 0.011 UJ	< 0.0057 UJ	< 0.0057 UJ	< 0.0057 UJ	< 0.0057 UJ	< 0.0057 UJ+	< 0.0057 UJ	--	< 0.0057 UJ
SB-11-B	27	37	N	6/24/2004	< 0.0092 UJ	< 0.0092 UJ	0.0037 J	< 0.018 UJ	< 0.0092 UJ	< 0.0092 UJ	< 0.0092 UJ	< 0.0092 UJ	< 0.0092 UJ+	< 0.0092 UJ	--	< 0.0092 UJ
SB-11-B	27	57	N	6/24/2004	< 0.0089 UJ	< 0.0089 UJ	0.012 J	< 0.018 UJ	< 0.0089 UJ	< 0.0089 UJ	< 0.0089 UJ	< 0.0089 UJ	< 0.0089 UJ+	< 0.0089 UJ	--	< 0.0089 UJ
SB-11-B	27	77	N	6/24/2004	< 0.0074 UJ	< 0.0074 UJ	0.012 J	< 0.015 UJ	< 0.0074 UJ	< 0.0074 UJ	< 0.0074 UJ	< 0.0074 UJ	< 0.0074 UJ+	< 0.0074 UJ	--	< 0.0074 UJ
SB-15-A	27	0	N	6/19/2004	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.011 U	< 0.0053 U	< 0.0053 U	< 0.0052 U	< 0.0053 U	< 0.0052 U	< 0.0053 U	--	< 0.0053 U
SB-15-A	27	7	N	6/19/2004	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.011 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	--	< 0.0053 U
SB-15-A	27	17	N	6/19/2004	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.01 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	--	< 0.0052 U
SB-15-A	27	27	N	6/19/2004	< 0.0053 U	< 0.0053 U	0.0002 J	< 0.01 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	--	< 0.0053 U
SB-15-A	27	47	N	6/19/2004	< 0.0094 U	< 0.0094 U	0.053	< 0.019 U	< 0.0094 U	< 0.0094 U	< 0.0094 U	< 0.0094 U	< 0.0094 U	< 0.0094 U	--	< 0.0094 U
SB-15-A	27	57	N	6/19/2004	< 0.009 U	< 0.009 U	0.11	< 0.018 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	--	< 0.009 U
SB-15-A	27	77	N	6/19/2004	< 0.006 U	< 0.006 U	0.00023 J	< 0.012 U	< 0.006 U	< 0.006 U	< 0.006 U	< 0.006 U	< 0.006 U	< 0.006 U	--	< 0.006 U
SB-17-A	27	0	N	7/7/2004	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.012 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	--	< 0.0061 U
SB-17-A	27	7	N	7/7/2004	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.01 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	--	< 0.0051 U
SB-17-A	27	17	N	7/7/2004	< 0.0051 U	< 0.0051 U	0.00034 J	< 0.01 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	--	< 0.0051 U
SB-17-A	27	27	N	7/7/2004	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.013 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	--	< 0.0064 U
SB-17-A	27	47	N	7/7/2004	< 0.0071 U	< 0.0071 U	0.023	< 0.014 U	< 0.0071 U	< 0.0071 U	< 0.0071 U	< 0.0071 U	< 0.0071 U	< 0.0071 U	--	< 0.0071 U
SB-17-A	27	57	N	7/7/2004	< 0.0067 U	< 0.0067 U	0.04	< 0.013 U	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.0067 U	--	< 0.0067 U
SB-17-A	27	77	N	7/7/2004	< 0.0068 U	< 0.0068 U	0.00053 J	< 0.014 U	< 0.0068 U	< 0.0068 U	< 0.0068 U	< 0.0068 U	< 0.0068 U	< 0.0068 U	--	< 0.0068 U
SB-17-A	27	97	N	7/7/2004	< 0.007 U	< 0.007 U	< 0.007 U	< 0.014 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	--	< 0.007 U

TABLE B-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)											
					Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloropropylene	Cymene	Dibromomethane	Dichloromethane	Ethylbenzene	Hexane, 2-methyl-	Isopropylbenzene
SB-18-A	27	0	N	6/21/2004	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.011 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	--	< 0.0053 U
SB-18-A	27	7	N	6/21/2004	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.01 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	--	< 0.0051 U
SB-18-A	27	17	N	6/21/2004	< 0.0051 U	< 0.0051 U	0.00026 J	< 0.01 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	--	< 0.0051 U
SB-18-A	27	27	N	6/21/2004	< 0.0053 U	< 0.0053 U	0.00018 J	< 0.011 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	--	< 0.0053 U
SB-18-A	27	47	N	6/21/2004	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.01 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	--	< 0.0051 U
SB-18-A	27	77	N	6/21/2004	< 0.0087 U	< 0.0087 U	0.18	< 0.017 U	< 0.0087 U	< 0.0087 U	< 0.0087 U	< 0.0087 U	< 0.0087 U	< 0.0087 U	--	< 0.0087 U
SB-18-A	27	87	N	6/21/2004	< 0.0081 U	< 0.0081 U	0.00069 J	< 0.016 U	< 0.0081 U	< 0.0081 U	< 0.0081 U	< 0.0081 U	< 0.0081 U	< 0.0081 U	--	< 0.0081 U
SB-18-A	27	97	N	6/21/2004	< 0.007 U	< 0.007 U	< 0.007 U	< 0.014 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	--	< 0.007 U
SB-19-A	27	0	N	7/8/2004	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.01 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	--	< 0.0051 U
SB-19-A	27	7	N	7/8/2004	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.01 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	--	< 0.0051 U
SB-19-A	27	17	N	7/8/2004	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.01 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	--	< 0.0052 U
SB-19-A	27	27	N	7/8/2004	< 0.0052 U	< 0.0052 U	0.00031 J	< 0.01 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	--	< 0.0052 U
SB-19-A	27	57	N	7/9/2004	< 0.009 U	< 0.009 U	0.11	< 0.018 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	--	< 0.009 U
SB-19-A	27	77	N	7/9/2004	< 0.0072 U	< 0.0072 U	0.0025 J	< 0.014 U	< 0.0072 U	< 0.0072 U	< 0.0072 U	< 0.0072 U	< 0.0072 U	< 0.0072 U	--	< 0.0072 U
SB-19-A	27	97	N	7/9/2004	< 0.0084 U	< 0.0084 U	< 0.0084 U	< 0.017 U	< 0.0084 U	< 0.0084 U	< 0.0084 U	< 0.0084 U	< 0.0084 U	< 0.0084 U	--	< 0.0084 U
WC-AD02	39	0	N	8/3/2006	< 0.0003 U	< 0.00036 U	< 0.00015 U	< 0.00046 U	--	< 0.00075 U	--	< 0.00036 U	< 0.0026 U	< 0.00019 U	--	--

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in mg/kg.
-- = no sample data.
Shaded results indicate soil has been excavated and removed.

TABLE B-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)											
					m,p-Xylene	Methyl disulfide	Methyl ethyl ketone	Methyl iodide	Methyl isobutyl ketone	Methyl n-butyl ketone	MTBE (Methyl tert-butyl ether)	n-Butyl benzene	n-Heptane	n-Propyl benzene	o-Xylene	Styrene (monomer)
ADB-04	1a	1	N	4/18/1996	< 0.0021 U	--	< 0.0021 U	--	< 0.0052 U	< 0.0031 U	--	--	--	--	< 0.001 U	< 0.001 U
ADB-04	1a	5	N	4/18/1996	< 0.0021 U	--	< 0.0021 U	--	< 0.0052 U	< 0.0031 U	--	--	--	--	< 0.001 U	< 0.001 U
ADB-05	1a	1	N	4/19/1996	< 0.002 U	--	< 0.002 U	--	< 0.005 U	< 0.003 U	--	--	--	--	< 0.001 U	< 0.001 U
BDB-19	1a	1	N	3/25/1996	< 0.0021 U	--	< 0.01 U	--	< 0.0052 U	< 0.0031 U	--	--	--	--	< 0.001 U	< 0.001 U
BDB-19	1a	5	N	3/25/1996	< 0.0021 U	--	0.0036	--	< 0.0052 U	< 0.0031 U	--	--	--	--	< 0.001 U	< 0.001 U
CSPUO-07NC	7b	1	N	4/27/2000	--	--	--	--	--	--	--	--	--	--	--	--
CSPUO-07NE	7b	1	N	4/27/2000	--	--	--	--	--	--	--	--	--	--	--	--
CSPUO-07NE2	7b	1	N	5/16/2000	--	--	--	--	--	--	--	--	--	--	--	--
CSPUO-07SC	7b	1	N	4/27/2000	--	--	--	--	--	--	--	--	--	--	--	--
CSPUO-07SE	7b	1	N	4/27/2000	--	--	--	--	--	--	--	--	--	--	--	--
CSPUO-07SW	7b	1	N	4/27/2000	--	--	--	--	--	--	--	--	--	--	--	--
CSPUP-08SC	7b	1	N	4/28/2000	--	--	--	--	--	--	--	--	--	--	--	--
CSPUP-08SE	7b	1	N	4/28/2000	--	--	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	1	N	6/26/2007	< 0.00058 U	< 0.00022 U	< 0.0014 U	< 0.00026 U	< 0.0016 U	< 0.00029 U	< 0.00047 U	< 0.00054 U	< 0.00017 U	< 0.00097 U	< 0.00031 U	< 0.0012 U
DBMW-10	46	10	N	6/26/2007	< 0.00059 U	< 0.00022 U	< 0.0014 U	< 0.00027 U	< 0.0017 U	< 0.00029 U	< 0.00048 U	< 0.00055 U	< 0.00017 U	< 0.00098 U	< 0.00032 U	< 0.0012 U
DBMW-10	46	20	N	6/26/2007	< 0.00058 U	< 0.00022 U	< 0.0014 U	< 0.00026 U	< 0.0016 U	< 0.00029 U	< 0.00047 U	< 0.00054 U	< 0.00017 U	< 0.00097 U	< 0.00031 U	< 0.0012 U
DBMW-10	46	30	N	6/26/2007	< 0.0006 U	< 0.00022 U	< 0.0014 U	< 0.00027 U	< 0.0017 U	< 0.0003 U	< 0.00048 U	< 0.00056 U	< 0.00017 U	< 0.00099 U	< 0.00032 U	< 0.0013 U
DBMW-10	46	30	FD	6/26/2007	< 0.00063 U	< 0.00023 U	< 0.0015 U	< 0.00028 U	< 0.0018 U	< 0.00031 U	< 0.00051 U	< 0.00059 U	< 0.00018 U	< 0.001 U	< 0.00034 U	< 0.0013 U
DBMW-10	46	40	N	6/26/2007	< 0.00059 U	< 0.00022 U	< 0.0014 U	< 0.00027 U	< 0.0017 U	< 0.00029 U	< 0.00048 U	< 0.00056 U	< 0.00017 U	< 0.00099 U	< 0.00032 U	< 0.0013 U
DBMW-10	46	50	N	6/26/2007	< 0.0006 U	< 0.00023 U	< 0.0014 U	< 0.00027 U	< 0.0017 U	< 0.0003 U	< 0.00049 U	< 0.00056 U	< 0.00017 U	< 0.001 U	< 0.00032 U	< 0.0013 U
DBMW-10	46	60	N	6/27/2007	< 0.00062 U	< 0.00023 U	< 0.0015 U	< 0.00028 U	< 0.0018 U	< 0.00031 U	< 0.0005 U	< 0.00058 U	< 0.00018 U	< 0.001 U	< 0.00033 U	< 0.0013 U
DBMW-10	46	70	N	7/2/2007	< 0.00079 U	< 0.0003 U	< 0.0019 U	< 0.00036 U	< 0.0022 U	< 0.00039 U	< 0.00064 U	< 0.00074 U	< 0.00023 U	< 0.0013 U	< 0.00043 U	< 0.0017 U
DBMW-11	46	1	N	7/5/2007	< 0.00056 U	< 0.00021 U	< 0.0014 U	< 0.00026 U	< 0.0016 U	< 0.00028 U	< 0.00046 U	< 0.00053 U	< 0.00017 U	< 0.00094 U	< 0.0003 U	< 0.0012 U
DBMW-11	46	10	N	7/5/2007	< 0.00058 U	< 0.00022 U	< 0.0014 U	< 0.00026 U	< 0.0017 U	< 0.00029 U	< 0.00047 U	< 0.00055 U	< 0.00017 U	< 0.00097 U	< 0.00031 U	< 0.0012 U
DBMW-11	46	20	N	7/5/2007	< 0.00059 U	< 0.00022 U	< 0.0014 U	< 0.00027 U	< 0.0017 U	< 0.00029 U	< 0.00048 U	< 0.00055 U	< 0.00017 U	< 0.00099 U	< 0.00032 U	< 0.0013 U
DBMW-11	46	30	N	7/6/2007	0.0007 J	< 0.00024 U	< 0.0015 U	< 0.00029 U	< 0.0018 U	< 0.00031 U	< 0.00051 U	< 0.00059 U	< 0.00018 U	< 0.0011 U	< 0.00034 U	< 0.0013 U
DBMW-11	46	40	N	7/6/2007	< 0.00072 U	< 0.00027 U	< 0.0017 U	< 0.00033 U	< 0.002 U	< 0.00036 U	< 0.00059 U	< 0.00068 U	< 0.00021 U	< 0.0012 U	< 0.00039 U	< 0.0015 U
DBMW-11	46	50	N	7/6/2007	< 0.00072 U	< 0.00027 U	< 0.0017 U	< 0.00033 U	< 0.0021 U	< 0.00036 U	< 0.00059 U	< 0.00068 U	< 0.00021 U	< 0.0012 U	< 0.00039 U	< 0.0015 U
DBMW-11	46	50	FD	7/6/2007	< 0.00079 U	< 0.0003 U	< 0.0019 U	< 0.00036 U	< 0.0022 U	< 0.00039 U	< 0.00064 U	< 0.00074 U	< 0.00023 U	< 0.0013 U	< 0.00043 U	< 0.0017 U
DBMW-11	46	60	N	7/6/2007	< 0.00089 U	< 0.00033 U	< 0.0021 U	< 0.0004 U	< 0.0025 U	< 0.00044 U	< 0.00072 U	< 0.00083 U	< 0.00026 U	< 0.0015 U	< 0.00048 U	< 0.0019 U
DBMW-11	46	70	N	7/6/2007	0.00099 J	< 0.00028 U	< 0.0018 U	< 0.00034 U	< 0.0021 U	< 0.00037 U	< 0.0006 U	< 0.00069 U	< 0.00021 U	< 0.0012 U	< 0.0004 U	< 0.0016 U
DBMW-9	46	1	N	6/25/2007	< 0.00058 U	< 0.00022 U	< 0.0014 U	< 0.00026 U	< 0.0016 U	< 0.00029 U	< 0.00047 U	< 0.00054 U	< 0.00017 U	< 0.00096 U	< 0.00031 U	< 0.0012 U
DBMW-9	46	10	N	6/25/2007	< 0.00058 U	< 0.00022 U	< 0.0014 U	< 0.00026 U	< 0.0016 U	< 0.00029 U	< 0.00047 U	< 0.00054 U	< 0.00017 U	< 0.00097 U	< 0.00031 U	< 0.0012 U
DBMW-9	46	20	N	6/25/2007	< 0.00059 U	< 0.00022 U	< 0.0014 U	< 0.00027 U	< 0.0017 U	< 0.00029 U	< 0.00048 U	< 0.00055 U	< 0.00017 U	< 0.00098 U	< 0.00032 U	< 0.0012 U
DBMW-9	46	20	FD	6/25/2007	< 0.00059 U	< 0.00022 U	< 0.0014 U	< 0.00027 U	< 0.0017 U	< 0.00029 U	< 0.00048 U	< 0.00055 U	< 0.00017 U	< 0.00098 U	< 0.00032 U	< 0.0012 U
DBMW-9	46	30	N	6/25/2007	< 0.00059 U	< 0.00022 U	< 0.0014 U	< 0.00027 U	< 0.0017 U	< 0.00029 U	< 0.00048 U	< 0.00055 U	< 0.00017 U	< 0.00099 U	< 0.00032 U	< 0.0013 U
DBMW-9	46	40	N	6/25/2007	< 0.00059 U	< 0.00022 U	< 0.0014 U	< 0.00027 U	< 0.0017 U	< 0.00029 U	< 0.00048 U	< 0.00055 U	< 0.00017 U	< 0.00098 U	< 0.00032 U	< 0.0012 U
DBMW-9	46	50	N	6/25/2007	< 0.00072 U	< 0.00027 U	< 0.0017 U	< 0.00032 U	< 0.002 U	< 0.00036 U	< 0.00058 U	< 0.00067 U	< 0.00021 U	< 0.0012 U	< 0.00039 U	< 0.0015 U
DBMW-9	46	60	N	6/25/2007	< 0.00076 U	< 0.00028 U	< 0.0018 U	< 0.00034 U	< 0.0021 U	< 0.00037 U	< 0.00061 U	< 0.00071 U	< 0.00022 U	< 0.0013 U	< 0.00041 U	< 0.0016 U

TABLE B-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)											
					m,p-Xylene	Methyl disulfide	Methyl ethyl ketone	Methyl iodide	Methyl isobutyl ketone	Methyl n-butyl ketone	MTBE (Methyl tert-butyl ether)	n-Butyl benzene	n-Heptane	n-Propyl benzene	o-Xylene	Styrene (monomer)
DBMW-9	46	70	N	6/25/2007	< 0.00075 U	< 0.00028 U	< 0.0018 U	< 0.00034 U	< 0.0021 U	< 0.00037 U	< 0.00061 U	< 0.0007 U	< 0.00022 U	< 0.0013 U	< 0.0004 U	< 0.0016 U
PRSSNP-07	20c	0	N	6/20/2001	--	--	--	--	--	--	--	--	--	--	--	--
PUH-02	1a	1	N	3/25/1996	< 0.0021 U	--	< 0.01 U	--	< 0.0052 U	< 0.0031 U	--	--	--	--	< 0.001 U	< 0.001 U
PUH-02	1a	5	N	3/25/1996	< 0.0021 U	--	< 0.01 U	--	< 0.0052 U	< 0.0031 U	--	--	--	--	< 0.001 U	< 0.001 U
PUJ-14	1a	1	N	3/22/1996	< 0.0021 U	--	< 0.011 U	--	< 0.0053 U	< 0.0032 U	--	--	--	--	< 0.0011 U	< 0.0011 U
PUJ-14	1a	5	N	3/22/1996	< 0.0021 U	--	< 0.01 U	--	< 0.0052 U	< 0.0031 U	--	--	--	--	< 0.001 U	< 0.001 U
PUK-02	1a	1	N	3/25/1996	< 0.002 U	--	< 0.01 U	--	< 0.0051 U	< 0.003 U	--	--	--	--	< 0.001 U	< 0.001 U
PUK-02	1a	5	N	3/25/1996	< 0.0022 U	--	< 0.011 U	--	< 0.0055 U	< 0.0033 U	--	--	--	--	< 0.0011 U	< 0.0011 U
PUL-03	1a	1	N	3/25/1996	< 0.0022 U	--	0.0036	--	< 0.0055 U	< 0.0033 U	--	--	--	--	< 0.0011 U	< 0.0011 U
PUL-03	1a	5	N	3/25/1996	< 0.002 U	--	< 0.01 U	--	< 0.005 U	< 0.003 U	--	--	--	--	< 0.001 U	< 0.001 U
PUL-09	1a	1	N	3/22/1996	< 0.0021 U	--	< 0.0021 U	--	< 0.0053 U	< 0.0032 U	--	--	--	--	< 0.0011 U	< 0.0011 U
PUL-09	1a	5	N	3/22/1996	< 0.0021 U	--	< 0.011 U	--	< 0.0053 U	< 0.0032 U	--	--	--	--	< 0.0011 U	< 0.0011 U
PUM-06	1a	1	N	3/22/1996	< 0.002 U	--	< 0.01 U	--	< 0.0051 U	< 0.0031 U	--	--	--	--	< 0.001 U	< 0.001 U
PUM-06	1a	5	N	3/22/1996	< 0.002 U	--	< 0.012 U	--	< 0.0051 U	< 0.0031 U	--	--	--	--	< 0.001 U	< 0.001 U
PUO-07BSSE	7d	0.5	N	3/24/2000	--	--	--	--	--	--	--	--	--	--	--	--
PUO-07BSSE	7d	1.5	N	3/24/2000	--	--	--	--	--	--	--	--	--	--	--	--
PUO-07BSSW	7d	0.5	N	3/24/2000	--	--	--	--	--	--	--	--	--	--	--	--
PUO-07BSSW	7d	1.5	N	3/24/2000	--	--	--	--	--	--	--	--	--	--	--	--
SB-11-B	27	0	N	6/18/2004	< 0.0059 UJ	< 0.0059 UJ	< 0.023 UJ	< 0.0059 UJ	< 0.023 UJ+	--	< 0.0059 UJ	< 0.0059 UJ	--	< 0.0059 UJ	< 0.0059 UJ	< 0.0059 UJ
SB-11-B	27	7	N	6/18/2004	0.00069 J	< 0.0053 UJ	< 0.021 UJ	< 0.0053 UJ	< 0.021 UJ+	--	< 0.0053 UJ	< 0.0053 UJ	--	< 0.0053 UJ	0.00035 J	< 0.0053 UJ
SB-11-B	27	18.5	N	6/18/2004	< 0.0057 UJ	< 0.0057 UJ	0.0057 J	< 0.0057 UJ	< 0.023 UJ	--	< 0.0057 UJ	< 0.0057 UJ	--	< 0.0057 UJ	< 0.0057 UJ	< 0.0057 UJ
SB-11-B	27	37	N	6/24/2004	< 0.0092 UJ	< 0.0092 UJ	< 0.037 UJ	< 0.0092 UJ	< 0.037 UJ	--	< 0.0092 UJ	< 0.0092 UJ	--	< 0.0092 UJ	< 0.0092 UJ	< 0.0092 UJ
SB-11-B	27	57	N	6/24/2004	< 0.0089 UJ	< 0.0089 UJ	< 0.036 UJ	< 0.0089 UJ	< 0.036 UJ+	--	< 0.0089 UJ	< 0.0089 UJ	--	< 0.0089 UJ	< 0.0089 UJ	< 0.0089 UJ
SB-11-B	27	77	N	6/24/2004	< 0.0074 UJ	< 0.0074 UJ	< 0.03 UJ	< 0.0074 UJ	< 0.03 UJ+	--	< 0.0074 UJ	< 0.0074 UJ	--	< 0.0074 UJ	< 0.0074 UJ	< 0.0074 UJ
SB-15-A	27	0	N	6/19/2004	< 0.0053 U	< 0.0053 U	0.028	< 0.0052 U	< 0.021 U	--	< 0.0052 U	< 0.0053 U	--	< 0.0053 U	< 0.0053 U	< 0.0053 U
SB-15-A	27	7	N	6/19/2004	< 0.0053 U	< 0.0053 U	< 0.021 U	< 0.0053 U	< 0.021 U	--	< 0.0053 U	< 0.0053 U	--	< 0.0053 U	< 0.0053 U	< 0.0053 U
SB-15-A	27	17	N	6/19/2004	< 0.0052 U	< 0.0052 U	< 0.021 U	< 0.0052 U	< 0.021 U	--	< 0.0052 U	< 0.0052 U	--	< 0.0052 U	< 0.0052 U	< 0.0052 U
SB-15-A	27	27	N	6/19/2004	< 0.0053 U	< 0.0053 U	< 0.021 U	< 0.0053 U	< 0.021 U	--	< 0.0053 U	< 0.0053 U	--	< 0.0053 U	< 0.0053 U	< 0.0053 U
SB-15-A	27	47	N	6/19/2004	< 0.0094 U	< 0.0094 U	< 0.038 U	< 0.0094 U	< 0.038 U	--	< 0.0094 U	< 0.0094 U	--	< 0.0094 U	< 0.0094 U	< 0.0094 U
SB-15-A	27	57	N	6/19/2004	< 0.009 U	< 0.009 U	< 0.036 U	< 0.009 U	< 0.036 U	--	< 0.009 U	< 0.009 U	--	< 0.009 U	< 0.009 U	< 0.009 U
SB-15-A	27	77	N	6/19/2004	0.00081 J	< 0.006 U	< 0.024 U	< 0.006 U	< 0.024 U	--	< 0.006 U	< 0.006 U	--	< 0.006 U	< 0.006 U	< 0.006 U
SB-17-A	27	0	N	7/7/2004	< 0.0061 U	< 0.0051 U	0.008 J	< 0.0061 U	< 0.024 U	--	< 0.0061 U	< 0.0061 U	--	< 0.0061 U	< 0.0061 U	< 0.0061 U
SB-17-A	27	7	N	7/7/2004	< 0.0051 U	< 0.0051 U	0.0061 J	< 0.0051 U	< 0.021 U	--	< 0.0051 U	< 0.0051 U	--	< 0.0051 U	< 0.0051 U	< 0.0051 U
SB-17-A	27	17	N	7/7/2004	< 0.0051 U	< 0.0051 U	0.0033 J	< 0.0051 U	< 0.021 U	--	< 0.0051 U	< 0.0051 U	--	< 0.0051 U	< 0.0051 U	< 0.0051 U
SB-17-A	27	27	N	7/7/2004	< 0.0064 U	< 0.0064 U	< 0.025 U	< 0.0064 U	< 0.025 U	--	< 0.0064 U	< 0.0064 U	--	< 0.0064 U	< 0.0064 U	< 0.0064 U
SB-17-A	27	47	N	7/7/2004	< 0.0071 U	< 0.0071 U	< 0.029 U	< 0.0071 U	< 0.029 U	--	< 0.0071 U	< 0.0071 U	--	< 0.0071 U	< 0.0071 U	< 0.0071 U
SB-17-A	27	57	N	7/7/2004	< 0.0067 U	< 0.0067 U	< 0.027 U	< 0.0067 U	< 0.027 U	--	< 0.0067 U	< 0.0067 U	--	< 0.0067 U	< 0.0067 U	< 0.0067 U
SB-17-A	27	77	N	7/7/2004	< 0.0068 U	< 0.0052 U	0.0044 J	< 0.0068 U	< 0.027 U	--	< 0.0068 U	< 0.0068 U	--	< 0.0068 U	< 0.0068 U	< 0.0068 U
SB-17-A	27	97	N	7/7/2004	< 0.007 U	< 0.007 U	0.0044 J	< 0.007 U	< 0.028 U	--	< 0.007 U	< 0.007 U	--	< 0.007 U	< 0.007 U	< 0.007 U

TABLE B-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)											
					m,p-Xylene	Methyl disulfide	Methyl ethyl ketone	Methyl iodide	Methyl isobutyl ketone	Methyl n-butyl ketone	MTBE (Methyl tert-butyl ether)	n-Butyl benzene	n-Heptane	n-Propyl benzene	o-Xylene	Styrene (monomer)
SB-18-A	27	0	N	6/21/2004	< 0.0053 U	< 0.0053 U	< 0.021 U	< 0.0053 U	< 0.021 U	--	< 0.0053 U	< 0.0053 U	--	< 0.0053 U	< 0.0053 U	< 0.0053 U
SB-18-A	27	7	N	6/21/2004	< 0.0051 U	< 0.0051 U	< 0.02 U	< 0.0051 U	< 0.02 U	--	< 0.0051 U	< 0.0051 U	--	< 0.0051 U	< 0.0051 U	< 0.0051 U
SB-18-A	27	17	N	6/21/2004	< 0.0051 U	< 0.0051 U	< 0.02 U	< 0.0051 U	< 0.02 U	--	< 0.0051 U	< 0.0051 U	--	< 0.0051 U	< 0.0051 U	< 0.0051 U
SB-18-A	27	27	N	6/21/2004	< 0.0053 U	< 0.0053 U	< 0.021 U	< 0.0053 U	< 0.021 U	--	< 0.0053 U	< 0.0053 U	--	< 0.0053 U	< 0.0053 U	< 0.0053 U
SB-18-A	27	47	N	6/21/2004	< 0.0051 U	< 0.0051 U	< 0.021 U	< 0.0051 U	< 0.021 U	--	< 0.0051 U	< 0.0051 U	--	< 0.0051 U	< 0.0051 U	< 0.0051 U
SB-18-A	27	77	N	6/21/2004	< 0.0087 U	< 0.0087 U	< 0.035 U	< 0.0087 U	< 0.035 U	--	< 0.0087 U	< 0.0087 U	--	< 0.0087 U	< 0.0087 U	< 0.0087 U
SB-18-A	27	87	N	6/21/2004	< 0.0081 U	< 0.0081 U	< 0.032 U	< 0.0081 U	< 0.032 U	--	< 0.0081 U	< 0.0081 U	--	< 0.0081 U	< 0.0081 U	< 0.0081 U
SB-18-A	27	97	N	6/21/2004	< 0.007 U	< 0.007 U	< 0.028 U	< 0.007 U	< 0.028 U	--	< 0.007 U	< 0.007 U	--	< 0.007 U	< 0.007 U	< 0.007 U
SB-19-A	27	0	N	7/8/2004	< 0.0051 U	< 0.0051 U	0.0076 J	< 0.0051 U	< 0.021 U	--	< 0.0051 U	< 0.0051 U	--	< 0.0051 U	< 0.0051 U	< 0.0051 U
SB-19-A	27	7	N	7/8/2004	< 0.0051 U	< 0.0051 U	0.007 J	< 0.0051 U	< 0.021 U	--	< 0.0051 U	< 0.0051 U	--	< 0.0051 U	< 0.0051 U	< 0.0051 U
SB-19-A	27	17	N	7/8/2004	< 0.0052 U	< 0.0052 U	0.0046 J	< 0.0052 U	< 0.021 U	--	< 0.0052 U	< 0.0052 U	--	< 0.0052 U	< 0.0052 U	< 0.0052 U
SB-19-A	27	27	N	7/8/2004	< 0.0052 U	< 0.0052 U	0.0024 J	< 0.0052 U	< 0.021 U	--	< 0.0052 U	< 0.0052 U	--	< 0.0052 U	< 0.0052 U	< 0.0052 U
SB-19-A	27	57	N	7/9/2004	0.0013 J	< 0.009 U	0.0047 J	< 0.009 U	< 0.036 U	--	< 0.009 U	< 0.009 U	--	< 0.009 U	0.00045 J	< 0.009 U
SB-19-A	27	77	N	7/9/2004	0.0011 J	< 0.0072 U	0.0069 J	< 0.0072 U	< 0.029 U	--	< 0.0072 U	< 0.0072 U	--	< 0.0072 U	< 0.0072 U	< 0.0072 U
SB-19-A	27	97	N	7/9/2004	< 0.0084 U	< 0.0084 U	0.0082 J	< 0.0084 U	< 0.034 U	--	< 0.0084 U	< 0.0084 U	--	< 0.0084 U	< 0.0084 U	< 0.0084 U
WC-AD02	39	0	N	8/3/2006	--	--	< 0.0014 U	< 0.00027 U	< 0.0017 U	--	--	--	--	--	--	--

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in mg/kg.
-- = no sample data.
Shaded results indicate soil has been excavated and removed.

TABLE B-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)									
					tert-Butyl benzene	Tetrachloroethylene	Toluene	trans-1,2-Dichloro-ethylene	trans-1,3-Dichloro-propylene	Tribromomethane	Trichloroethylene	Vinyl acetate	Vinyl chloride	Xylenes (total)
ADB-04	1a	1	N	4/18/1996	--	< 0.001 U	< 0.0021 U	< 0.001 U	< 0.0021 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.0021 U	--
ADB-04	1a	5	N	4/18/1996	--	< 0.001 U	< 0.0021 U	< 0.001 U	< 0.0021 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.0021 U	--
ADB-05	1a	1	N	4/19/1996	--	< 0.001 U	< 0.002 U	< 0.001 U	< 0.002 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.002 U	--
BDB-19	1a	1	N	3/25/1996	--	< 0.0052 U	< 0.0052 U	< 0.001 U	< 0.0021 U	< 0.001 U	< 0.0052 U	< 0.001 U	< 0.0021 U	--
BDB-19	1a	5	N	3/25/1996	--	< 0.0052 U	< 0.0052 U	< 0.001 U	< 0.0021 U	< 0.001 U	< 0.0052 U	< 0.001 U	< 0.0021 U	--
CSPUO-07NC	7b	1	N	4/27/2000	--	--	--	--	--	--	--	--	--	--
CSPUO-07NE	7b	1	N	4/27/2000	--	--	--	--	--	--	--	--	--	--
CSPUO-07NE2	7b	1	N	5/16/2000	--	--	--	--	--	--	--	--	--	--
CSPUO-07SC	7b	1	N	4/27/2000	--	--	--	--	--	--	--	--	--	--
CSPUO-07SE	7b	1	N	4/27/2000	--	--	--	--	--	--	--	--	--	--
CSPUO-07SW	7b	1	N	4/27/2000	--	--	--	--	--	--	--	--	--	--
CSPUP-08SC	7b	1	N	4/28/2000	--	--	--	--	--	--	--	--	--	--
CSPUP-08SE	7b	1	N	4/28/2000	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	1	N	6/26/2007	< 0.00027 U	< 0.00028 U	< 0.00013 U	< 0.00023 U	< 0.00021 U	< 0.00025 U	< 0.00037 U	< 0.00018 U	< 0.00024 U	< 0.00088 U
DBMW-10	46	10	N	6/26/2007	< 0.00027 U	< 0.00028 U	< 0.00014 U	< 0.00023 U	< 0.00021 U	< 0.00025 U	< 0.00037 U	< 0.00018 U	< 0.00024 U	< 0.00089 U
DBMW-10	46	20	N	6/26/2007	< 0.00027 U	< 0.00028 U	< 0.00013 U	< 0.00023 U	< 0.00021 U	< 0.00025 U	< 0.00037 U	< 0.00018 U	< 0.00024 U	< 0.00088 U
DBMW-10	46	30	N	6/26/2007	< 0.00028 U	< 0.00029 U	< 0.00014 U	< 0.00023 U	< 0.00021 U	< 0.00026 U	< 0.00038 U	< 0.00019 U	< 0.00025 U	< 0.0009 U
DBMW-10	46	30	FD	6/26/2007	< 0.00029 U	< 0.0003 U	< 0.00014 U	< 0.00024 U	< 0.00022 U	< 0.00027 U	< 0.00039 U	< 0.0002 U	< 0.00026 U	< 0.00095 U
DBMW-10	46	40	N	6/26/2007	< 0.00028 U	< 0.00029 U	< 0.00014 U	< 0.00023 U	< 0.00021 U	< 0.00026 U	< 0.00038 U	< 0.00019 U	< 0.00025 U	< 0.0009 U
DBMW-10	46	50	N	6/26/2007	< 0.00028 U	< 0.00029 U	< 0.00014 U	< 0.00023 U	< 0.00021 U	< 0.00026 U	< 0.00038 U	< 0.00019 U	< 0.00025 U	< 0.00091 U
DBMW-10	46	60	N	6/27/2007	< 0.00029 U	< 0.0003 U	< 0.00014 U	< 0.00024 U	< 0.00022 U	< 0.00027 U	< 0.00039 U	< 0.00019 U	< 0.00026 U	< 0.00093 U
DBMW-10	46	70	N	7/2/2007	< 0.00037 U	< 0.00038 U	< 0.00018 U	< 0.00031 U	< 0.00028 U	< 0.00034 U	< 0.0005 U	< 0.00025 U	< 0.00033 U	< 0.0012 U
DBMW-11	46	1	N	7/5/2007	< 0.00026 U	< 0.00027 U	< 0.00013 U	< 0.00022 U	< 0.0002 U	< 0.00024 U	< 0.00036 U	< 0.00018 U	< 0.00024 U	< 0.00085 U
DBMW-11	46	10	N	7/5/2007	< 0.00027 U	< 0.00028 U	< 0.00013 U	< 0.00023 U	< 0.00021 U	< 0.00025 U	< 0.00037 U	< 0.00018 U	< 0.00024 U	< 0.00088 U
DBMW-11	46	20	N	7/5/2007	< 0.00028 U	< 0.00029 U	< 0.00014 U	< 0.00023 U	< 0.00021 U	< 0.00025 U	< 0.00037 U	< 0.00018 U	< 0.00025 U	< 0.00089 U
DBMW-11	46	30	N	7/6/2007	< 0.0003 U	< 0.00031 U	< 0.00015 U	< 0.00025 U	< 0.00023 U	< 0.00027 U	< 0.0004 U	< 0.0002 U	< 0.00026 U	< 0.00096 U
DBMW-11	46	40	N	7/6/2007	< 0.00034 U	< 0.00035 U	< 0.00017 U	< 0.00028 U	< 0.00026 U	< 0.00031 U	< 0.00046 U	< 0.00023 U	< 0.0003 U	< 0.0011 U
DBMW-11	46	50	N	7/6/2007	< 0.00034 U	< 0.00035 U	< 0.00017 U	< 0.00028 U	< 0.00026 U	< 0.00031 U	< 0.00046 U	< 0.00023 U	< 0.0003 U	< 0.0011 U
DBMW-11	46	50	FD	7/6/2007	< 0.00037 U	< 0.00038 U	< 0.00018 U	< 0.00031 U	< 0.00028 U	< 0.00034 U	< 0.0005 U	< 0.00025 U	< 0.00033 U	< 0.0012 U
DBMW-11	46	60	N	7/6/2007	< 0.00041 U	< 0.00043 U	< 0.0002 U	< 0.00035 U	< 0.00032 U	< 0.00038 U	< 0.00056 U	< 0.00028 U	< 0.00037 U	< 0.0013 U
DBMW-11	46	70	N	7/6/2007	< 0.00035 U	< 0.00036 U	< 0.00017 U	< 0.00029 U	< 0.00026 U	< 0.00032 U	< 0.00047 U	< 0.00023 U	< 0.00031 U	< 0.0011 U
DBMW-9	46	1	N	6/25/2007	< 0.00027 U	< 0.00028 U	< 0.00013 U	< 0.00022 U	< 0.00021 U	< 0.00025 U	< 0.00036 U	< 0.00018 U	< 0.00024 U	< 0.00087 U
DBMW-9	46	10	N	6/25/2007	< 0.00027 U	< 0.00028 U	< 0.00013 U	< 0.00023 U	< 0.00021 U	< 0.00025 U	< 0.00037 U	< 0.00018 U	< 0.00024 U	< 0.00088 U
DBMW-9	46	20	N	6/25/2007	< 0.00027 U	< 0.00028 U	< 0.00014 U	< 0.00023 U	< 0.00021 U	< 0.00025 U	< 0.00037 U	< 0.00018 U	< 0.00025 U	< 0.00089 U
DBMW-9	46	20	FD	6/25/2007	< 0.00028 U	< 0.00028 U	< 0.00014 U	< 0.00023 U	< 0.00021 U	< 0.00025 U	< 0.00037 U	< 0.00018 U	< 0.00025 U	< 0.00089 U
DBMW-9	46	30	N	6/25/2007	< 0.00028 U	< 0.00029 U	< 0.00014 U	< 0.00023 U	< 0.00021 U	< 0.00025 U	< 0.00037 U	< 0.00018 U	< 0.00025 U	< 0.00089 U
DBMW-9	46	40	N	6/25/2007	< 0.00027 U	< 0.00028 U	< 0.00014 U	< 0.00023 U	< 0.00021 U	< 0.00025 U	< 0.00037 U	< 0.00018 U	< 0.00025 U	< 0.00089 U
DBMW-9	46	50	N	6/25/2007	< 0.00033 U	< 0.00035 U	< 0.00017 U	< 0.00028 U	< 0.00026 U	< 0.00031 U	< 0.00045 U	< 0.00022 U	< 0.0003 U	< 0.0011 U
DBMW-9	46	60	N	6/25/2007	< 0.00035 U	< 0.00037 U	< 0.00017 U	< 0.00029 U	< 0.00027 U	< 0.00033 U	< 0.00048 U	< 0.00024 U	< 0.00032 U	< 0.0011 U

TABLE B-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)									
					tert-Butyl benzene	Tetrachloroethylene	Toluene	trans-1,2-Dichloro-ethylene	trans-1,3-Dichloro-propylene	Tribromomethane	Trichloroethylene	Vinyl acetate	Vinyl chloride	Xylenes (total)
DBMW-9	46	70	N	6/25/2007	< 0.00035 U	< 0.00036 U	< 0.00017 U	< 0.00029 U	< 0.00027 U	< 0.00032 U	< 0.00047 U	< 0.00023 U	< 0.00031 U	< 0.0011 U
PRSSNP-07	20c	0	N	6/20/2001	--	--	--	--	--	--	--	--	--	--
PUH-02	1a	1	N	3/25/1996	--	< 0.0052 U	< 0.0052 U	< 0.001 U	< 0.0021 U	< 0.001 U	< 0.0052 U	< 0.001 U	< 0.0021 U	--
PUH-02	1a	5	N	3/25/1996	--	< 0.0052 U	< 0.0052 U	< 0.001 U	< 0.0021 U	< 0.001 U	< 0.0052 U	< 0.001 U	< 0.0021 U	--
PUJ-14	1a	1	N	3/22/1996	--	< 0.0053 U	< 0.0053 U	< 0.0011 U	< 0.0021 U	< 0.0011 U	< 0.0053 U	< 0.0011 U	< 0.0021 U	--
PUJ-14	1a	5	N	3/22/1996	--	< 0.0052 U	< 0.0052 U	< 0.001 U	< 0.0021 U	< 0.001 U	< 0.0052 U	< 0.001 U	< 0.0021 U	--
PUK-02	1a	1	N	3/25/1996	--	< 0.0051 U	< 0.0051 U	< 0.001 U	< 0.002 U	< 0.001 U	< 0.0051 U	< 0.001 U	< 0.002 U	--
PUK-02	1a	5	N	3/25/1996	--	< 0.0055 U	< 0.0055 U	< 0.0011 U	< 0.0022 U	< 0.0011 U	< 0.0055 U	< 0.0011 U	< 0.0022 U	--
PUL-03	1a	1	N	3/25/1996	--	< 0.0055 U	< 0.0055 U	< 0.0011 U	< 0.0022 U	< 0.0011 U	< 0.0055 U	< 0.0011 U	< 0.0022 U	--
PUL-03	1a	5	N	3/25/1996	--	< 0.005 U	< 0.005 U	< 0.001 U	< 0.002 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.002 U	--
PUL-09	1a	1	N	3/22/1996	--	< 0.0011 U	< 0.0021 U	< 0.0011 U	< 0.0021 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0021 U	--
PUL-09	1a	5	N	3/22/1996	--	< 0.0053 U	< 0.0053 U	< 0.0011 U	< 0.0021 U	< 0.0011 U	< 0.0053 U	< 0.0011 U	< 0.0021 U	--
PUM-06	1a	1	N	3/22/1996	--	< 0.0051 U	< 0.0051 U	< 0.001 U	< 0.002 U	< 0.001 U	< 0.0051 U	< 0.001 U	< 0.002 U	--
PUM-06	1a	5	N	3/22/1996	--	< 0.0059 U	< 0.0059 U	< 0.001 U	< 0.002 U	< 0.001 U	< 0.0059 U	< 0.001 U	< 0.002 U	--
PUO-07BSSE	7d	0.5	N	3/24/2000	--	--	--	--	--	--	--	--	--	--
PUO-07BSSE	7d	1.5	N	3/24/2000	--	--	--	--	--	--	--	--	--	--
PUO-07BSSW	7d	0.5	N	3/24/2000	--	--	--	--	--	--	--	--	--	--
PUO-07BSSW	7d	1.5	N	3/24/2000	--	--	--	--	--	--	--	--	--	--
SB-11-B	27	0	N	6/18/2004	< 0.0059 UJ	< 0.0059 UJ	< 0.0059 UJ	< 0.0059 UJ	< 0.0059 UJ	< 0.0059 UJ	< 0.0059 UJ-	< 0.0059 UJ	< 0.0059 UJ	< 0.012 UJ
SB-11-B	27	7	N	6/18/2004	< 0.0053 UJ	< 0.0053 UJ	< 0.0053 UJ	< 0.0053 UJ	< 0.0053 UJ	< 0.0053 UJ	< 0.0053 UJ-	< 0.0053 UJ	< 0.0053 UJ	0.001 J
SB-11-B	27	18.5	N	6/18/2004	< 0.0057 UJ	< 0.0057 UJ	< 0.0057 UJ	< 0.0057 UJ	< 0.0057 UJ	< 0.0057 UJ	< 0.0057 UJ-	< 0.0057 UJ	< 0.0057 UJ	< 0.011 UJ
SB-11-B	27	37	N	6/24/2004	< 0.0092 UJ	0.0038 J	< 0.0092 UJ	< 0.0092 UJ	< 0.0092 UJ	< 0.0092 UJ	0.00036 J-	< 0.0092 UJ	< 0.0092 UJ	< 0.018 UJ
SB-11-B	27	57	N	6/24/2004	< 0.0089 UJ	< 0.0089 UJ	< 0.0089 UJ	< 0.0089 UJ	< 0.0089 UJ	< 0.0089 UJ	< 0.0089 UJ-	< 0.0089 UJ+	< 0.0089 UJ	< 0.018 UJ
SB-11-B	27	77	N	6/24/2004	< 0.0074 UJ	< 0.0074 UJ	< 0.0074 UJ	< 0.0074 UJ	< 0.0074 UJ	< 0.0074 UJ	< 0.0074 UJ-	< 0.0074 UJ+	< 0.0074 UJ	< 0.015 UJ
SB-15-A	27	0	N	6/19/2004	< 0.0053 U	0.00022 J	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	0.00038 J	< 0.0052 U	< 0.0053 U	< 0.011 U
SB-15-A	27	7	N	6/19/2004	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	0.00012 J	< 0.0053 U	< 0.0053 U	< 0.011 U
SB-15-A	27	17	N	6/19/2004	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.01 U
SB-15-A	27	27	N	6/19/2004	< 0.0053 U	< 0.0053 U	0.0008 J	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.01 U
SB-15-A	27	47	N	6/19/2004	< 0.0094 U	0.016	< 0.0094 U	< 0.0094 U	< 0.0094 U	< 0.0094 U	< 0.0094 U	< 0.0094 U	< 0.0094 U	< 0.019 U
SB-15-A	27	57	N	6/19/2004	< 0.009 U	0.038	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	0.00039 J	< 0.009 U	< 0.009 U	< 0.018 U
SB-15-A	27	77	N	6/19/2004	< 0.006 U	< 0.006 U	0.0013 J	< 0.006 U	< 0.006 U	< 0.006 U	< 0.006 U	< 0.006 U	< 0.006 U	< 0.012 U
SB-17-A	27	0	N	7/7/2004	< 0.0061 U	< 0.0061 U	0.00079 J	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.012 U
SB-17-A	27	7	N	7/7/2004	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.01 U
SB-17-A	27	17	N	7/7/2004	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.01 U
SB-17-A	27	27	N	7/7/2004	< 0.0064 U	< 0.0064 U	0.00091 J	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.013 U
SB-17-A	27	47	N	7/7/2004	< 0.0071 U	0.0012 J	< 0.0071 U	< 0.0071 U	< 0.0071 U	< 0.0071 U	< 0.0071 U	< 0.0071 U	< 0.0071 U	< 0.014 U
SB-17-A	27	57	N	7/7/2004	< 0.0067 U	0.0011 J	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.013 U
SB-17-A	27	77	N	7/7/2004	< 0.0068 U	< 0.0068 U	< 0.0068 U	< 0.0068 U	< 0.0068 U	< 0.0068 U	< 0.0068 U	< 0.0068 U	< 0.0068 U	< 0.014 U
SB-17-A	27	97	N	7/7/2004	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.014 U

TABLE B-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)									
					tert-Butyl benzene	Tetrachloroethylene	Toluene	trans-1,2-Dichloro-ethylene	trans-1,3-Dichloro-propylene	Tribromomethane	Trichloroethylene	Vinyl acetate	Vinyl chloride	Xylenes (total)
SB-18-A	27	0	N	6/21/2004	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.011 U
SB-18-A	27	7	N	6/21/2004	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.01 U
SB-18-A	27	17	N	6/21/2004	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.01 U
SB-18-A	27	27	N	6/21/2004	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.011 U
SB-18-A	27	47	N	6/21/2004	< 0.0051 U	< 0.0051 U	0.00096 J	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.01 U
SB-18-A	27	77	N	6/21/2004	< 0.0087 U	0.00071 J	0.0013 J	< 0.0087 U	< 0.0087 U	< 0.0087 U	< 0.0087 U	< 0.0087 U	< 0.0087 U	< 0.017 U
SB-18-A	27	87	N	6/21/2004	< 0.0081 U	< 0.0081 U	0.0019 J	< 0.0081 U	< 0.0081 U	< 0.0081 U	< 0.0081 U	< 0.0081 U	< 0.0081 U	< 0.016 U
SB-18-A	27	97	N	6/21/2004	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.007 U	< 0.014 U
SB-19-A	27	0	N	7/8/2004	< 0.0051 U	0.00028 J	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.01 U
SB-19-A	27	7	N	7/8/2004	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.01 U
SB-19-A	27	17	N	7/8/2004	< 0.0052 U	< 0.0052 U	0.00066 J	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.01 U
SB-19-A	27	27	N	7/8/2004	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.01 U
SB-19-A	27	57	N	7/9/2004	< 0.009 U	0.0014 J	0.003 J	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	< 0.009 U	0.0018 J
SB-19-A	27	77	N	7/9/2004	< 0.0072 U	0.00033 J	0.002 J	< 0.0072 U	< 0.0072 U	< 0.0072 U	< 0.0072 U	< 0.0072 U	< 0.0072 U	< 0.014 U
SB-19-A	27	97	N	7/9/2004	< 0.0084 U	< 0.0084 U	< 0.0084 U	< 0.0084 U	< 0.0084 U	< 0.0084 U	0.00017 J	< 0.0084 U	< 0.0084 U	< 0.017 U
WC-AD02	39	0	N	8/3/2006	--	< 0.00028 U	< 0.00014 U	< 0.00023 U	< 0.00021 U	< 0.00025 U	< 0.00037 U	--	< 0.00025 U	< 0.00089 U

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in mg/kg.
-- = no sample data.
Shaded results indicate soil has been excavated and removed.

TABLE B-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
UPPER PONDS SUB-AREA
(Page 1 of 18)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)											
					1,2,4,5-Tetrachloro-benzene	1,2-Diphenylhydrazine	1,4-Dioxane	2,2'-/4,4'-Dichlorobenzil	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene
ADB-04	1a	1	N	4/18/1996	--	--	--	--	< 0.73 U	< 0.73 U	< 0.73 U	< 0.73 U	< 3.6 U	< 0.73 U	< 0.73 U	< 0.73 U
ADB-05	1a	1	N	4/19/1996	--	--	--	--	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 3.4 U	< 0.67 U	< 0.67 U	< 0.67 U
BDB-19	1a	1	N	3/25/1996	--	--	--	--	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 3.4 U	< 0.67 U	< 0.67 U	< 0.67 U
CSPUO-07NC	7b	1	N	4/27/2000	--	--	--	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 1 UJ	< 2.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ
CSPUO-07NE	7b	1	N	4/27/2000	--	--	--	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 1 UJ	< 2.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ
CSPUO-07NE2	7b	1	N	5/16/2000	--	--	--	--	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 2.5 U	< 0.5 U	< 0.5 U	< 0.5 U
CSPUO-07SC	7b	1	N	4/27/2000	--	--	--	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 1 UJ	< 2.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ
CSPUO-07SE	7b	1	N	4/27/2000	--	--	--	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 1 UJ	< 2.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ
CSPUO-07SW	7b	1	N	4/27/2000	--	--	--	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 1 UJ	< 2.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ
CSPUP-08SC	7b	1	N	4/28/2000	--	--	--	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 1 UJ	< 2.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ
CSPUP-08SE	7b	1	N	4/28/2000	--	--	--	--	< 0.5 UJ	--	< 0.5 UJ	< 1 UJ	< 2.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ
DBMW-10	46	1	N	6/26/2007	< 0.034 U	< 0.034 U	< 0.034 U	--	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.34 U	< 0.034 U	< 0.034 U	< 0.034 U
DBMW-10	46	10	N	6/26/2007	< 0.035 U	< 0.035 U	< 0.035 U	--	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.34 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-10	46	20	N	6/26/2007	< 0.034 U	< 0.034 U	< 0.034 U	--	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.34 U	< 0.034 U	< 0.034 U	< 0.034 U
DBMW-10	46	30	N	6/26/2007	< 0.035 U	< 0.035 U	< 0.035 U	--	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.35 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-10	46	30	FD	6/26/2007	< 0.037 U	< 0.037 U	< 0.037 U	--	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.37 U	< 0.037 U	< 0.037 U	< 0.037 U
DBMW-10	46	40	N	6/26/2007	< 0.035 U	< 0.035 U	< 0.035 U	--	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.35 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-10	46	50	N	6/26/2007	< 0.035 U	< 0.035 U	< 0.035 U	--	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.35 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-10	46	60	N	6/27/2007	< 0.037 U	< 0.037 U	< 0.037 U	--	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.36 U	< 0.037 U	< 0.037 U	< 0.037 U
DBMW-10	46	70	N	7/2/2007	< 0.047 U	< 0.047 U	< 0.047 U	--	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.47 U	< 0.047 U	< 0.047 U	< 0.047 U
DBMW-11	46	1	N	7/5/2007	< 0.034 U	< 0.034 U	< 0.034 U	--	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.33 U	< 0.034 U	< 0.034 U	< 0.034 U
DBMW-11	46	10	N	7/5/2007	< 0.035 U	< 0.035 U	< 0.035 U	--	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.34 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-11	46	20	N	7/5/2007	< 0.035 U	< 0.035 U	< 0.035 U	--	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.35 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-11	46	30	N	7/6/2007	< 0.038 U	< 0.038 U	< 0.038 U	--	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.37 U	< 0.038 U	< 0.038 U	< 0.038 U
DBMW-11	46	40	N	7/6/2007	< 0.043 U	< 0.043 U	< 0.043 U	--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.42 U	< 0.043 U	< 0.043 U	< 0.043 U
DBMW-11	46	50	N	7/6/2007	< 0.043 U	< 0.043 U	< 0.043 U	--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.43 U	< 0.043 U	< 0.043 U	< 0.043 U
DBMW-11	46	50	FD	7/6/2007	< 0.047 U	< 0.047 U	< 0.047 U	--	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.46 U	< 0.047 U	< 0.047 U	< 0.047 U
DBMW-11	46	60	N	7/6/2007	< 0.053 U	< 0.053 U	< 0.053 U	--	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U	< 0.52 U	< 0.053 U	< 0.053 U	< 0.053 U
DBMW-11	46	70	N	7/6/2007	< 0.044 U	< 0.044 U	< 0.044 U	--	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.43 U	< 0.044 U	< 0.044 U	< 0.044 U
DBMW-9	46	1	N	6/25/2007	< 0.034 U	< 0.034 U	< 0.034 U	--	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.34 U	< 0.034 U	< 0.034 U	< 0.034 U
DBMW-9	46	10	N	6/25/2007	< 0.034 U	< 0.034 U	< 0.034 U	--	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.34 U	< 0.034 U	< 0.034 U	< 0.034 U
DBMW-9	46	20	N	6/25/2007	< 0.035 U	< 0.035 U	< 0.035 U	--	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.34 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-9	46	20	FD	6/25/2007	< 0.035 U	< 0.035 U	< 0.035 U	--	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.34 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-9	46	30	N	6/25/2007	< 0.035 U	< 0.035 U	< 0.035 U	--	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.34 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-9	46	40	N	6/25/2007	< 0.035 U	< 0.035 U	< 0.035 U	--	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.34 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-9	46	50	N	6/25/2007	< 0.042 U	< 0.042 U	< 0.042 U	--	< 0.042 U	< 0.042 U	< 0.042 U	< 0.042 U	< 0.42 U	< 0.042 U	< 0.042 U	< 0.042 U
DBMW-9	46	60	N	6/25/2007	< 0.044 U	< 0.044 U	< 0.044 U	--	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.44 U	< 0.044 U	< 0.044 U	< 0.044 U
DBMW-9	46	70	N	6/25/2007	< 0.044 U	< 0.044 U	< 0.044 U	--	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.44 U	< 0.044 U	< 0.044 U	< 0.044 U
PRSSNP-07	20c	0	N	6/20/2001	--	--	--	--	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U

TABLE B-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)											
					1,2,4,5-Tetrachloro-benzene	1,2-Diphenylhydrazine	1,4-Dioxane	2,2'-/4,4'-Dichlorobenzil	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene
PUH-02	1a	1	N	3/25/1996	--	--	--	--	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 3.3 U	< 0.67 U	< 0.67 U	< 0.67 U
PUJ-14	1a	1	N	3/22/1996	--	--	--	--	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 3.4 U	< 0.67 U	< 0.67 U	< 0.67 U
PUK-02	1a	1	N	3/25/1996	--	--	--	--	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 3.3 U	< 0.67 U	< 0.67 U	< 0.67 U
PUL-03	1a	1	N	3/25/1996	--	--	--	--	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 3.4 U	< 0.67 U	< 0.67 U	< 0.67 U
PUL-09	1a	1	N	3/22/1996	--	--	--	--	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 3.4 U	< 0.67 U	< 0.67 U	< 0.67 U
PUM-06	1a	1	N	3/22/1996	--	--	--	--	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 3.3 U	< 0.67 U	< 0.67 U	< 0.67 U
PUM-06	1a	5	N	3/22/1996	--	--	--	--	< 0.68 U	< 0.68 U	< 0.68 U	< 0.68 U	< 3.4 U	< 0.68 U	< 0.68 U	< 0.68 U
PUO-07BSSE	7d	0.5	N	3/24/2000	--	--	--	--	< 0.528 UJ	< 0.528 UJ	< 0.528 UJ	< 1.057 UJ	< 2.642 UJ	< 0.528 UJ	< 0.528 UJ	< 0.528 UJ
PUO-07BSSE	7d	1.5	N	3/24/2000	--	--	--	--	< 0.537 UJ	< 0.537 UJ	< 0.537 UJ	< 1.074 UJ	< 2.685 UJ	< 0.537 UJ	< 0.537 UJ	< 0.537 UJ
PUO-07BSSW	7d	0.5	N	3/24/2000	--	--	--	--	< 0.534 UJ	< 0.534 UJ	< 0.534 UJ	< 1.068 UJ	< 2.67 UJ	< 0.534 UJ	< 0.534 UJ	< 0.534 UJ
PUO-07BSSW	7d	1.5	N	3/24/2000	--	--	--	--	< 0.526 UJ	< 0.526 UJ	< 0.526 UJ	< 1.051 UJ	< 2.628 UJ	< 0.526 UJ	< 0.526 UJ	< 0.526 UJ
SB-11-B	27	0	N	6/18/2004	< 0.35 UJ-	--	--	--	< 0.35 UJ-	< 0.35 UJ-	< 0.35 UJ-	< 0.35 UJ-	< 1.7 UJ-	< 0.35 UJ-	< 0.35 UJ-	< 0.35 UJ-
SB-11-B	27	18.5	N	6/18/2004	< 0.37 UJ-	--	--	--	< 0.37 UJ-	< 0.37 UJ-	< 0.37 UJ-	< 0.37 UJ-	< 1.8 UJ-	< 0.37 UJ-	< 0.37 UJ-	< 0.37 UJ-
SB-11-B	27	37	N	6/24/2004	< 0.61 UJ-	--	--	--	< 0.61 UJ-	< 0.61 UJ-	< 0.61 UJ-	< 0.61 UJ-	< 2.9 UJ-	< 0.61 UJ-	< 0.61 UJ-	< 0.61 UJ-
SB-11-B	27	57	N	6/24/2004	< 0.59 UJ-	--	--	--	< 0.59 UJ-	< 0.59 UJ-	< 0.59 UJ-	< 0.59 UJ-	< 2.9 UJ-	< 0.59 UJ-	< 0.59 UJ-	< 0.59 UJ-
SB-11-B	27	77	N	6/24/2004	< 0.49 UJ-	--	--	--	< 0.49 UJ-	< 0.49 UJ-	< 0.49 UJ-	< 0.49 UJ-	< 2.4 UJ-	< 0.49 UJ-	< 0.49 UJ-	< 0.49 UJ-
SB-15-A	27	0	N	6/19/2004	< 0.34 U	--	--	--	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.6 UJ	< 0.34 U	< 0.34 U	< 0.34 U
SB-15-A	27	7	N	6/19/2004	< 0.35 U	--	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 1.7 U	< 0.35 U	< 0.35 U	< 0.35 U
SB-15-A	27	17	N	6/19/2004	< 0.34 U	--	--	--	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.7 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-15-A	27	47	N	6/19/2004	< 0.57 U	--	--	--	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U	< 2.7 U	< 0.57 U	< 0.57 U	< 0.57 U
SB-15-A	27	57	N	6/19/2004	< 0.52 U	--	--	--	< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U	< 2.5 U	< 0.52 U	< 0.52 U	< 0.52 U
SB-15-A	27	77	N	6/19/2004	< 0.4 U	--	--	--	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 1.9 U	< 0.4 U	< 0.4 U	< 0.4 U
SB-17-A	27	0	N	7/7/2004	< 0.33 U	--	--	--	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 1.6 UJ	< 0.33 U	< 0.33 U	< 0.33 U
SB-17-A	27	7	N	7/7/2004	< 0.34 U	--	--	--	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-17-A	27	17	N	7/7/2004	< 0.34 U	--	--	--	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-17-A	27	27	N	7/7/2004	< 0.42 U	--	--	--	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U	< 2 U	< 0.42 U	< 0.42 U	< 0.42 U
SB-17-A	27	47	N	7/7/2004	< 0.47 U	--	--	--	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 2.3 U	< 0.47 U	< 0.47 U	< 0.47 U
SB-17-A	27	57	N	7/7/2004	< 0.44 U	--	--	--	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	< 2.1 U	< 0.44 U	< 0.44 U	< 0.44 U
SB-17-A	27	77	N	7/7/2004	< 0.34 U	--	--	--	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.7 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-17-A	27	97	N	7/7/2004	< 0.46 U	--	--	--	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 2.2 U	< 0.46 U	< 0.46 U	< 0.46 U
SB-18-A	27	0	N	6/21/2004	< 0.35 U	--	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 1.7 U	< 0.35 U	< 0.35 U	< 0.35 U
SB-18-A	27	7	N	6/21/2004	< 0.34 U	--	--	--	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-18-A	27	17	N	6/21/2004	< 0.34 U	--	--	--	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-18-A	27	27	N	6/21/2004	< 0.34 U	--	--	--	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-18-A	27	47	N	6/21/2004	< 0.34 U	--	--	--	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-18-A	27	77	N	6/21/2004	< 0.57 U	--	--	--	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U	< 2.8 U	< 0.57 U	< 0.57 U	< 0.57 U
SB-18-A	27	87	N	6/21/2004	< 0.53 U	--	--	--	< 0.53 U	< 0.53 U	< 0.53 U	< 0.53 U	< 2.6 U	< 0.53 U	< 0.53 U	< 0.53 U
SB-18-A	27	97	N	6/21/2004	< 0.44 U	--	--	--	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	< 2.1 U	< 0.44 U	< 0.44 U	< 0.44 U
SB-19-A	27	0	N	7/8/2004	< 0.34 U	--	--	--	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U

TABLE B-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)											
					1,2,4,5-Tetrachloro-benzene	1,2-Diphenylhydrazine	1,4-Dioxane	2,2'-/4,4'-Dichlorobenzil	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene
SB-19-A	27	7	N	7/8/2004	< 0.34 U	--	--	--	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-19-A	27	17	N	7/8/2004	< 0.34 U	--	--	--	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.7 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-19-A	27	27	N	7/8/2004	< 0.34 U	--	--	--	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-19-A	27	57	N	7/9/2004	< 0.59 U	--	--	--	< 0.59 U	< 0.59 U	< 0.59 U	< 0.59 U	< 2.9 U	< 0.59 U	< 0.59 U	< 0.59 U
SB-19-A	27	77	N	7/9/2004	< 0.47 U	--	--	--	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 2.3 U	< 0.47 U	< 0.47 U	< 0.47 U
SB-19-A	27	97	N	7/9/2004	< 0.56 U	--	--	--	< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U	< 2.7 U	< 0.56 U	< 0.56 U	< 0.56 U
WC-AD02	39	0	N	8/3/2006	< 0.035 U	--	< 0.035 U	--	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.34 U	< 0.035 U	< 0.035 U	< 0.035 U

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in mg/kg.
-- = no sample data.
Shaded results indicate soil has been excavated and removed.

TABLE B-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
UPPER PONDS SUB-AREA
(Page 4 of 18)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)											
					2-Chlorophenol	2-Methylnaphthalene	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Methylphenol & 4-Methylphenol	3-Nitroaniline	4,6-Dinitro-o-cresol	4-Bromophenyl phenyl ether	4-Chloro-3-Methylphenol	4-Chlorophenyl phenyl ether	4-Chlorothioanisole
ADB-04	1a	1	N	4/18/1996	< 0.73 U	< 0.73 U	< 3.6 U	< 0.73 U	< 1.4 U	--	< 3.6 U	< 3.6 U	< 0.73 U	< 1.4 U	< 0.73 U	--
ADB-05	1a	1	N	4/19/1996	< 0.67 U	< 0.67 U	< 3.4 U	< 0.67 U	< 1.3 U	--	< 3.4 U	< 3.4 U	< 0.67 U	< 1.3 U	< 0.67 U	--
BDB-19	1a	1	N	3/25/1996	< 0.67 U	< 0.67 U	< 3.4 U	< 0.67 U	< 1.3 U	--	< 3.4 U	< 3.4 U	< 0.67 U	< 1.3 U	< 0.67 U	--
CSPUO-07NC	7b	1	N	4/27/2000	< 0.5 UJ	< 0.5 UJ	< 2.5 UJ	< 0.5 UJ	< 1 UJ	< 0.5 UJ	< 2.5 UJ	< 2.5 UJ	< 0.5 UJ	< 1 UJ	< 0.5 UJ	--
CSPUO-07NE	7b	1	N	4/27/2000	< 0.5 UJ	< 0.5 UJ	< 2.5 UJ	< 0.5 UJ	< 1 UJ	< 0.5 UJ	< 2.5 UJ	< 2.5 UJ	< 0.5 UJ	< 1 UJ	< 0.5 UJ	--
CSPUO-07NE2	7b	1	N	5/16/2000	< 0.5 U	< 0.5 U	< 2.5 U	< 0.5 U	< 1 U	< 0.5 U	< 2.5 U	< 2.5 U	< 0.5 U	< 1 U	< 0.5 U	--
CSPUO-07SC	7b	1	N	4/27/2000	< 0.5 UJ	< 0.5 UJ	< 2.5 UJ	< 0.5 UJ	< 1 UJ	< 0.5 UJ	< 2.5 UJ	< 2.5 UJ	< 0.5 UJ	< 1 UJ	< 0.5 UJ	--
CSPUO-07SE	7b	1	N	4/27/2000	< 0.5 UJ	< 0.5 UJ	< 2.5 UJ	< 0.5 UJ	< 1 UJ	< 0.5 UJ	< 2.5 UJ	< 2.5 UJ	< 0.5 UJ	< 1 UJ	< 0.5 UJ	--
CSPUO-07SW	7b	1	N	4/27/2000	< 0.5 UJ	< 0.5 UJ	< 2.5 UJ	< 0.5 UJ	< 1 UJ	< 0.5 UJ	< 2.5 UJ	< 2.5 UJ	--	< 1 UJ	< 0.5 UJ	--
CSPUP-08SC	7b	1	N	4/28/2000	< 0.5 UJ	< 0.5 UJ	< 2.5 UJ	< 0.5 UJ	< 1 UJ	< 0.5 UJ	< 2.5 UJ	< 2.5 UJ	< 0.5 UJ	< 1 UJ	< 0.5 UJ	--
CSPUP-08SE	7b	1	N	4/28/2000	< 0.5 UJ	< 0.5 UJ	< 2.5 UJ	< 0.5 UJ	< 1 UJ	< 0.5 UJ	< 2.5 UJ	< 2.5 UJ	< 0.5 UJ	< 1 UJ	< 0.5 UJ	--
DBMW-10	46	1	N	6/26/2007	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.069 U	< 0.034 U	--	< 0.034 U	< 0.034 U	< 0.034 U	< 0.0079 U
DBMW-10	46	10	N	6/26/2007	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.07 U	< 0.035 U	--	< 0.035 U	< 0.035 U	< 0.035 U	< 0.0079 U
DBMW-10	46	20	N	6/26/2007	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.069 U	< 0.034 U	--	< 0.034 U	< 0.034 U	< 0.034 U	< 0.0079 U
DBMW-10	46	30	N	6/26/2007	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.071 U	< 0.035 U	--	< 0.035 U	< 0.035 U	< 0.035 U	< 0.0081 U
DBMW-10	46	30	FD	6/26/2007	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 UJ	< 0.074 U	< 0.037 U	--	< 0.037 U	< 0.037 U	< 0.037 U	< 0.0085 U
DBMW-10	46	40	N	6/26/2007	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 UJ	< 0.07 U	< 0.035 U	--	< 0.035 U	< 0.035 U	< 0.035 U	< 0.008 U
DBMW-10	46	50	N	6/26/2007	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 UJ	< 0.07 U	< 0.035 U	--	< 0.035 U	< 0.035 U	< 0.035 U	< 0.008 U
DBMW-10	46	60	N	6/27/2007	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 UJ	< 0.073 U	< 0.037 U	--	< 0.037 U	< 0.037 U	< 0.037 U	< 0.0084 U
DBMW-10	46	70	N	7/2/2007	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 UJ	< 0.095 U	< 0.047 UJ	--	< 0.047 U	< 0.047 U	< 0.047 U	< 0.011 U
DBMW-11	46	1	N	7/5/2007	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 UJ	< 0.067 U	< 0.034 UJ	--	< 0.034 U	< 0.034 U	< 0.034 U	< 0.0077 U
DBMW-11	46	10	N	7/5/2007	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 UJ	< 0.069 U	< 0.035 UJ	--	< 0.035 U	< 0.035 U	< 0.035 U	< 0.0079 U
DBMW-11	46	20	N	7/5/2007	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 UJ	< 0.07 U	< 0.035 UJ	--	< 0.035 U	< 0.035 U	< 0.035 U	< 0.008 U
DBMW-11	46	30	N	7/6/2007	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 UJ	< 0.075 U	< 0.038 UJ	--	< 0.038 U	< 0.038 U	< 0.038 U	< 0.0086 U
DBMW-11	46	40	N	7/6/2007	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 UJ	< 0.086 U	< 0.043 UJ	--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.0098 U
DBMW-11	46	50	N	7/6/2007	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 UJ	< 0.086 U	< 0.043 UJ	--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.0098 U
DBMW-11	46	50	FD	7/6/2007	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 UJ	< 0.093 U	< 0.047 UJ	--	< 0.047 U	< 0.047 U	< 0.047 U	< 0.011 U
DBMW-11	46	60	N	7/6/2007	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 UJ	< 0.11 U	< 0.053 UJ	--	< 0.053 U	< 0.053 U	< 0.053 U	< 0.012 U
DBMW-11	46	70	N	7/6/2007	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 UJ	< 0.088 U	< 0.044 UJ	--	< 0.044 U	< 0.044 U	< 0.044 U	< 0.01 U
DBMW-9	46	1	N	6/25/2007	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.068 U	< 0.034 U	--	< 0.034 U	< 0.034 U	< 0.034 U	< 0.0077 U
DBMW-9	46	10	N	6/25/2007	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.068 U	< 0.034 U	--	< 0.034 U	< 0.034 U	< 0.034 U	< 0.0078 U
DBMW-9	46	20	N	6/25/2007	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.069 U	< 0.035 U	--	< 0.035 U	< 0.035 U	< 0.035 U	< 0.0079 U
DBMW-9	46	20	FD	6/25/2007	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.069 U	< 0.035 U	--	< 0.035 U	< 0.035 U	< 0.035 U	< 0.0079 U
DBMW-9	46	30	N	6/25/2007	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.07 U	< 0.035 U	--	< 0.035 U	< 0.035 U	< 0.035 U	< 0.0079 U
DBMW-9	46	40	N	6/25/2007	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.069 U	< 0.035 U	--	< 0.035 U	< 0.035 U	< 0.035 U	< 0.0079 U
DBMW-9	46	50	N	6/25/2007	< 0.042 U	< 0.042 U	< 0.042 U	< 0.042 U	< 0.042 U	< 0.084 U	< 0.042 U	--	< 0.042 U	< 0.042 U	< 0.042 U	< 0.0096 U
DBMW-9	46	60	N	6/25/2007	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.089 U	< 0.044 U	--	< 0.044 U	< 0.044 U	< 0.044 U	< 0.01 U
DBMW-9	46	70	N	6/25/2007	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.088 U	< 0.044 U	--	< 0.044 U	< 0.044 U	< 0.044 U	< 0.01 U
PRSSNP-07	20c	0	N	6/20/2001	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 1.6 U	--	< 1.6 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	--

TABLE B-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
UPPER PONDS SUB-AREA
(Page 5 of 18)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)											
					2-Chlorophenol	2-Methylnaphthalene	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Methylphenol & 4-Methylphenol	3-Nitroaniline	4,6-Dinitro-o-cresol	4-Bromophenyl phenyl ether	4-Chloro-3-Methylphenol	4-Chlorophenyl phenyl ether	4-Chlorothioanisole
PUH-02	1a	1	N	3/25/1996	< 0.67 U	< 0.67 U	< 3.3 U	< 0.67 U	< 1.3 U	--	< 3.3 U	< 3.3 U	< 0.67 U	< 1.3 U	< 0.67 U	--
PUJ-14	1a	1	N	3/22/1996	< 0.67 U	< 0.67 U	< 3.4 U	< 0.67 U	< 1.3 U	--	< 3.4 U	< 3.4 U	< 0.67 U	< 1.3 U	< 0.67 U	--
PUK-02	1a	1	N	3/25/1996	< 0.67 U	< 0.67 U	< 3.3 U	< 0.67 U	< 1.3 U	--	< 3.3 U	< 3.3 U	< 0.67 U	< 1.3 U	< 0.67 U	--
PUL-03	1a	1	N	3/25/1996	< 0.67 U	< 0.67 U	< 3.4 U	< 0.67 U	< 1.3 U	--	< 3.4 U	< 3.4 U	< 0.67 U	< 1.3 U	< 0.67 U	--
PUL-09	1a	1	N	3/22/1996	< 0.67 U	< 0.67 U	< 3.4 U	< 0.67 U	< 1.3 U	--	< 0.67 U	< 3.4 U	< 0.67 U	< 1.3 U	< 0.67 U	--
PUM-06	1a	1	N	3/22/1996	< 0.67 U	< 0.67 U	< 3.3 U	< 0.67 U	< 1.3 U	--	< 3.3 U	< 3.3 U	< 0.67 U	< 1.3 U	< 0.67 U	--
PUM-06	1a	5	N	3/22/1996	< 0.68 U	< 0.68 U	< 3.4 U	< 0.68 U	< 1.3 U	--	< 3.4 U	< 3.4 U	< 0.68 U	< 1.3 U	< 0.68 U	--
PUO-07BSSE	7d	0.5	N	3/24/2000	< 0.528 UJ	< 0.528 UJ	< 2.642 UJ	< 0.528 UJ	< 1.057 UJ	< 0.528 UJ	< 2.642 UJ	< 2.642 UJ	< 0.2 UJ	< 1.057 UJ	< 0.528 UJ	--
PUO-07BSSE	7d	1.5	N	3/24/2000	< 0.537 UJ	< 0.537 UJ	< 2.685 UJ	< 0.537 UJ	< 1.074 UJ	< 0.537 UJ	< 2.685 UJ	< 2.685 UJ	< 0.2 UJ	< 1.074 UJ	< 0.537 UJ	--
PUO-07BSSW	7d	0.5	N	3/24/2000	< 0.534 UJ	< 0.534 UJ	< 2.67 UJ	< 0.534 UJ	< 1.068 UJ	< 0.534 UJ	< 2.67 UJ	< 2.67 UJ	< 0.5 UJ	< 1.068 UJ	< 0.534 UJ	--
PUO-07BSSW	7d	1.5	N	3/24/2000	< 0.526 UJ	< 0.526 UJ	< 2.628 UJ	< 0.526 UJ	< 1.051 UJ	< 0.526 UJ	< 2.628 UJ	< 2.628 UJ	< 0.5 UJ	< 1.051 UJ	< 0.526 UJ	--
SB-11-B	27	0	N	6/18/2004	< 0.35 UJ-	< 0.35 UJ-	< 1.7 UJ-	< 0.35 UJ-	< 1.7 UJ-	< 0.7 UJ-	< 1.7 UJ-	--	< 0.35 UJ-	< 0.35 UJ-	< 0.35 UJ-	--
SB-11-B	27	18.5	N	6/18/2004	< 0.37 UJ-	< 0.37 UJ-	< 1.8 UJ-	< 0.37 UJ-	< 1.8 UJ-	< 0.75 UJ-	< 1.8 UJ-	--	< 0.37 UJ-	< 0.37 UJ-	< 0.37 UJ-	--
SB-11-B	27	37	N	6/24/2004	< 0.61 UJ-	< 0.61 UJ-	< 2.9 UJ-	< 0.61 UJ-	< 2.9 UJ-	< 1.2 UJ-	< 2.9 UJ-	--	< 0.61 UJ-	< 0.61 UJ-	< 0.61 UJ-	--
SB-11-B	27	57	N	6/24/2004	< 0.59 UJ-	< 0.59 UJ-	< 2.9 UJ-	< 0.59 UJ-	< 2.9 UJ-	< 1.2 UJ-	< 2.9 UJ-	--	< 0.59 UJ-	< 0.59 UJ-	< 0.59 UJ-	--
SB-11-B	27	77	N	6/24/2004	< 0.49 UJ-	< 0.49 UJ-	< 2.4 UJ-	< 0.49 UJ-	< 2.4 UJ-	< 0.98 UJ-	< 2.4 UJ-	--	< 0.49 UJ-	< 0.49 UJ-	< 0.49 UJ-	--
SB-15-A	27	0	N	6/19/2004	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 1.6 U	< 0.68 U	< 1.6 U	--	< 0.34 U	< 0.34 U	< 0.34 U	--
SB-15-A	27	7	N	6/19/2004	< 0.35 U	< 0.35 U	< 1.7 U	< 0.35 U	< 1.7 U	< 0.7 U	< 1.7 U	--	< 0.35 U	< 0.35 U	< 0.35 U	--
SB-15-A	27	17	N	6/19/2004	< 0.34 U	< 0.34 U	< 1.7 U	< 0.34 U	< 1.7 U	< 0.68 U	< 1.7 U	--	< 0.34 U	< 0.34 U	< 0.34 U	--
SB-15-A	27	47	N	6/19/2004	< 0.57 U	< 0.57 U	< 2.7 U	< 0.57 U	< 2.7 U	< 1.1 U	< 2.7 U	--	< 0.57 U	< 0.57 U	< 0.57 U	--
SB-15-A	27	57	N	6/19/2004	< 0.52 U	< 0.52 U	< 2.5 U	< 0.52 U	< 2.5 U	< 1 U	< 2.5 U	--	< 0.52 U	< 0.52 U	< 0.52 U	--
SB-15-A	27	77	N	6/19/2004	< 0.4 U	< 0.4 U	< 1.9 U	< 0.4 U	< 1.9 U	< 0.8 U	< 1.9 U	--	< 0.4 U	< 0.4 U	< 0.4 U	--
SB-17-A	27	0	N	7/7/2004	< 0.33 U	< 0.33 U	< 1.6 U	< 0.33 U	< 1.6 U	< 0.67 U	< 1.6 U	--	< 0.33 U	< 0.33 U	< 0.33 U	--
SB-17-A	27	7	N	7/7/2004	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 1.6 U	< 0.68 U	< 1.6 U	--	< 0.34 U	< 0.34 U	< 0.34 U	--
SB-17-A	27	17	N	7/7/2004	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 1.6 U	< 0.68 U	< 1.6 U	--	< 0.34 U	< 0.34 U	< 0.34 U	--
SB-17-A	27	27	N	7/7/2004	< 0.42 U	< 0.42 U	< 2 U	< 0.42 U	< 2 U	< 0.84 U	< 2 U	--	< 0.42 U	< 0.42 U	< 0.42 U	--
SB-17-A	27	47	N	7/7/2004	< 0.47 U	< 0.47 U	< 2.3 U	< 0.47 U	< 2.3 U	< 0.94 U	< 2.3 U	--	< 0.47 U	< 0.47 U	< 0.47 U	--
SB-17-A	27	57	N	7/7/2004	< 0.44 U	< 0.44 U	< 2.1 U	< 0.44 U	< 2.1 U	< 0.89 U	< 2.1 U	--	< 0.44 U	< 0.44 U	< 0.44 U	--
SB-17-A	27	77	N	7/7/2004	< 0.34 U	< 0.34 U	< 1.7 U	< 0.34 U	< 1.7 U	< 0.69 U	< 1.7 U	--	< 0.34 U	< 0.34 U	< 0.34 U	--
SB-17-A	27	97	N	7/7/2004	< 0.46 U	< 0.46 U	< 2.2 U	< 0.46 U	< 2.2 U	< 0.93 U	< 2.2 U	--	< 0.46 U	< 0.46 U	< 0.46 U	--
SB-18-A	27	0	N	6/21/2004	< 0.35 U	< 0.35 U	< 1.7 U	< 0.35 U	< 1.7 U	< 0.7 U	< 1.7 U	--	< 0.35 U	< 0.35 U	< 0.35 U	--
SB-18-A	27	7	N	6/21/2004	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 1.6 U	< 0.67 U	< 1.6 U	--	< 0.34 U	< 0.34 U	< 0.34 U	--
SB-18-A	27	17	N	6/21/2004	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 1.6 U	< 0.68 U	< 1.6 U	--	< 0.34 U	< 0.34 U	< 0.34 U	--
SB-18-A	27	27	N	6/21/2004	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 1.6 U	< 0.67 U	< 1.6 U	--	< 0.34 U	< 0.34 U	< 0.34 U	--
SB-18-A	27	47	N	6/21/2004	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 1.6 U	< 0.68 U	< 1.6 U	--	< 0.34 U	< 0.34 U	< 0.34 U	--
SB-18-A	27	77	N	6/21/2004	< 0.57 U	< 0.57 U	< 2.8 U	< 0.57 U	< 2.8 U	< 1.1 U	< 2.8 U	--	< 0.57 U	< 0.57 U	< 0.57 U	--
SB-18-A	27	87	N	6/21/2004	< 0.53 U	< 0.53 U	< 2.6 U	< 0.53 U	< 2.6 U	< 1.1 U	< 2.6 U	--	< 0.53 U	< 0.53 U	< 0.53 U	--
SB-18-A	27	97	N	6/21/2004	< 0.44 U	< 0.44 U	< 2.1 U	< 0.44 U	< 2.1 U	< 0.89 U	< 2.1 U	--	< 0.44 U	< 0.44 U	< 0.44 U	--
SB-19-A	27	0	N	7/8/2004	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 1.6 U	< 0.68 U	< 1.6 U	--	< 0.34 U	< 0.34 U	< 0.34 U	--

TABLE B-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)											
					2-Chlorophenol	2-Methylnaphthalene	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Methylphenol & 4-Methylphenol	3-Nitroaniline	4,6-Dinitro-o-cresol	4-Bromophenyl phenyl ether	4-Chloro-3-Methylphenol	4-Chlorophenyl phenyl ether	4-Chlorothioanisole
SB-19-A	27	7	N	7/8/2004	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 1.6 U	< 0.68 U	< 1.6 U	--	< 0.34 U	< 0.34 U	< 0.34 U	--
SB-19-A	27	17	N	7/8/2004	< 0.34 U	< 0.34 U	< 1.7 U	< 0.34 U	< 1.7 U	< 0.69 U	< 1.7 U	--	< 0.34 U	< 0.34 U	< 0.34 U	--
SB-19-A	27	27	N	7/8/2004	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 1.6 U	< 0.68 U	< 1.6 U	--	< 0.34 U	< 0.34 U	< 0.34 U	--
SB-19-A	27	57	N	7/9/2004	< 0.59 U	< 0.59 U	< 2.9 U	< 0.59 U	< 2.9 U	< 1.2 U	< 2.9 U	--	< 0.59 U	< 0.59 U	< 0.59 U	--
SB-19-A	27	77	N	7/9/2004	< 0.47 U	< 0.47 U	< 2.3 U	< 0.47 U	< 2.3 U	< 0.94 U	< 2.3 U	--	< 0.47 U	< 0.47 U	< 0.47 U	--
SB-19-A	27	97	N	7/9/2004	< 0.56 U	< 0.56 U	< 2.7 U	< 0.56 U	< 2.7 U	< 1.1 U	< 2.7 U	--	< 0.56 U	< 0.56 U	< 0.56 U	--
WC-AD02	39	0	N	8/3/2006	< 0.035 U	--	< 0.035 U	< 0.035 U	--	< 0.069 U	--	--	< 0.035 U	< 0.035 U	--	--

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in mg/kg.
-- = no sample data.
Shaded results indicate soil has been excavated and removed.

TABLE B-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)											
					4-Nitrophenol	Acetophenone	Aniline	Azobenzene	Benzenethiol	Benzoic acid	Benzyl alcohol	Benzyl butyl phthalate	bis(2-Chloroethoxy) methane	bis(2-Chloroethyl) ether	bis(2-Chloroisopropyl) ether	bis(2-Ethylhexyl) phthalate
ADB-04	1a	1	N	4/18/1996	< 3.6 U	--	--	--	--	< 3.6 U	< 1.4 U	< 0.73 U	< 0.73 U	< 0.73 U	< 0.73 U	< 0.73 U
ADB-05	1a	1	N	4/19/1996	< 3.4 U	--	--	--	--	< 3.4 U	< 1.3 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U
BDB-19	1a	1	N	3/25/1996	< 3.4 U	--	--	--	--	< 3.4 U	< 1.3 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U
CSPUO-07NC	7b	1	N	4/27/2000	< 2.5 UJ	--	< 1 UJ	< 0.5 UJ	--	< 2.5 UJ	< 1 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ
CSPUO-07NE	7b	1	N	4/27/2000	< 2.5 UJ	--	< 1 UJ	< 0.5 UJ	--	< 2.5 UJ	< 1 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ
CSPUO-07NE2	7b	1	N	5/16/2000	< 2.5 U	--	< 1 U	< 0.5 U	--	< 2.5 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
CSPUO-07SC	7b	1	N	4/27/2000	< 2.5 UJ	--	< 1 UJ	< 0.5 UJ	--	< 2.5 UJ	< 1 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ
CSPUO-07SE	7b	1	N	4/27/2000	< 2.5 UJ	--	< 1 UJ	< 0.5 UJ	--	< 2.5 UJ	< 1 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ
CSPUO-07SW	7b	1	N	4/27/2000	< 2.5 UJ	--	< 1 UJ	< 0.5 UJ	--	--	< 1 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ
CSPUP-08SC	7b	1	N	4/28/2000	< 2.5 UJ	--	< 1 UJ	< 0.5 UJ	--	< 2.5 UJ	< 1 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ
CSPUP-08SE	7b	1	N	4/28/2000	< 2.5 UJ	--	< 1 UJ	< 0.5 UJ	--	< 2.5 UJ	< 1 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ
DBMW-10	46	1	N	6/26/2007	< 0.34 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.13 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U
DBMW-10	46	10	N	6/26/2007	< 0.34 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.13 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	0.082 J
DBMW-10	46	20	N	6/26/2007	< 0.34 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.13 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U
DBMW-10	46	30	N	6/26/2007	< 0.35 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.13 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-10	46	30	FD	6/26/2007	< 0.37 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.14 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U
DBMW-10	46	40	N	6/26/2007	< 0.35 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.13 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-10	46	50	N	6/26/2007	< 0.35 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.13 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-10	46	60	N	6/27/2007	< 0.36 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.14 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U
DBMW-10	46	70	N	7/2/2007	< 0.47 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.18 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	0.048 J
DBMW-11	46	1	N	7/5/2007	< 0.33 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.12 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U
DBMW-11	46	10	N	7/5/2007	< 0.34 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.13 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-11	46	20	N	7/5/2007	< 0.35 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.13 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-11	46	30	N	7/6/2007	< 0.37 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.14 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U
DBMW-11	46	40	N	7/6/2007	< 0.42 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.16 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U
DBMW-11	46	50	N	7/6/2007	< 0.43 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.16 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U
DBMW-11	46	50	FD	7/6/2007	< 0.46 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.17 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U
DBMW-11	46	60	N	7/6/2007	< 0.52 U	< 0.053 U	< 0.053 U	< 0.053 U	< 0.19 U	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U
DBMW-11	46	70	N	7/6/2007	< 0.43 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.16 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U
DBMW-9	46	1	N	6/25/2007	< 0.34 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.13 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U
DBMW-9	46	10	N	6/25/2007	< 0.34 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.13 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U
DBMW-9	46	20	N	6/25/2007	< 0.34 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.13 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-9	46	20	FD	6/25/2007	< 0.34 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.13 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-9	46	30	N	6/25/2007	< 0.34 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.13 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-9	46	40	N	6/25/2007	< 0.34 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.13 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-9	46	50	N	6/25/2007	< 0.42 U	< 0.042 U	< 0.042 U	< 0.042 U	< 0.16 U	< 0.042 U	< 0.042 U	< 0.042 U	< 0.042 U	< 0.042 U	< 0.042 U	< 0.042 U
DBMW-9	46	60	N	6/25/2007	< 0.44 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.16 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U
DBMW-9	46	70	N	6/25/2007	< 0.44 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.16 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U
PRSSNP-07	20c	0	N	6/20/2001	< 1.6 U	--	--	--	--	--	--	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U

TABLE B-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
UPPER PONDS SUB-AREA
(Page 8 of 18)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)											
					4-Nitrophenol	Acetophenone	Aniline	Azobenzene	Benzenethiol	Benzoic acid	Benzyl alcohol	Benzyl butyl phthalate	bis(2-Chloroethoxy) methane	bis(2-Chloroethyl) ether	bis(2-Chloroisopropyl) ether	bis(2-Ethylhexyl) phthalate
PUH-02	1a	1	N	3/25/1996	< 3.3 U	--	--	--	--	< 3.3 U	< 1.3 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U
PUJ-14	1a	1	N	3/22/1996	< 3.4 U	--	--	--	--	< 3.4 U	< 1.3 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U
PUK-02	1a	1	N	3/25/1996	< 3.3 U	--	--	--	--	< 3.3 U	< 1.3 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U
PUL-03	1a	1	N	3/25/1996	< 3.4 U	--	--	--	--	< 3.4 U	< 1.3 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U
PUL-09	1a	1	N	3/22/1996	< 3.4 U	--	--	--	--	< 3.4 U	< 1.3 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U
PUM-06	1a	1	N	3/22/1996	< 3.3 U	--	--	--	--	< 3.3 U	< 1.3 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U
PUM-06	1a	5	N	3/22/1996	< 3.4 U	--	--	--	--	< 3.4 U	< 1.3 U	< 0.68 U	< 0.68 U	< 0.68 U	< 0.68 U	< 0.68 U
PUO-07BSSE	7d	0.5	N	3/24/2000	< 0.528 UJ	--	< 1.057 UJ	< 0.528 UJ	--	< 0.73 UJ	< 0.528 UJ	< 0.24 UJ	< 0.528 UJ	< 1.057 UJ	< 0.528 UJ	< 0.31 UJ
PUO-07BSSE	7d	1.5	N	3/24/2000	< 0.537 UJ	--	< 1.074 UJ	< 0.537 UJ	--	< 0.74 UJ	< 0.537 UJ	< 0.24 UJ	< 0.537 UJ	< 1.074 UJ	< 0.537 UJ	< 0.31 UJ
PUO-07BSSW	7d	0.5	N	3/24/2000	< 0.534 UJ	--	< 1.068 UJ	< 0.534 UJ	--	< 2.5 UJ	< 0.534 UJ	< 0.5 UJ	< 0.534 UJ	< 1.068 UJ	< 0.534 UJ	< 0.5 UJ
PUO-07BSSW	7d	1.5	N	3/24/2000	< 0.526 UJ	--	< 1.051 UJ	< 0.526 UJ	--	< 2.5 UJ	< 0.526 UJ	< 0.5 UJ	< 0.526 UJ	< 1.051 UJ	< 0.526 UJ	< 0.5 UJ
SB-11-B	27	0	N	6/18/2004	< 1.7 UJ-	< 0.35 UJ-	< 0.35 UJ-	< 0.35 UJ-	< 0.35 UJ-	0.21 J-	< 0.35 UJ-	< 0.35 UJ-	< 0.35 UJ-	< 0.35 UJ-	< 0.35 UJ-	< 0.35 UJ-
SB-11-B	27	18.5	N	6/18/2004	< 1.8 UJ-	< 0.37 UJ-	< 0.37 UJ-	< 0.37 UJ-	< 0.37 UJ-	< 1.8 UJ-	< 0.37 UJ-	< 0.37 UJ-	< 0.37 UJ-	< 0.37 UJ-	< 0.37 UJ-	< 0.37 UJ-
SB-11-B	27	37	N	6/24/2004	< 2.9 UJ-	< 0.61 UJ-	< 0.61 UJ-	< 0.61 UJ-	< 0.61 UJ-	< 2.9 UJ-	< 0.61 UJ-	< 0.61 UJ-	< 0.61 UJ-	< 0.61 UJ-	< 0.61 UJ-	< 0.61 UJ-
SB-11-B	27	57	N	6/24/2004	< 2.9 UJ-	< 0.59 UJ-	< 0.59 UJ-	< 0.59 UJ-	< 0.59 UJ-	< 2.9 UJ-	< 0.59 UJ-	< 0.59 UJ-	< 0.59 UJ-	< 0.59 UJ-	< 0.59 UJ-	< 0.59 UJ-
SB-11-B	27	77	N	6/24/2004	< 2.4 UJ-	< 0.49 UJ-	< 0.49 UJ-	< 0.49 UJ-	< 0.49 UJ-	< 2.4 UJ-	< 0.49 UJ-	< 0.49 UJ-	< 0.49 UJ-	< 0.49 UJ-	< 0.49 UJ-	< 0.49 UJ-
SB-15-A	27	0	N	6/19/2004	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-15-A	27	7	N	6/19/2004	< 1.7 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 1.7 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U
SB-15-A	27	17	N	6/19/2004	< 1.7 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.7 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-15-A	27	47	N	6/19/2004	< 2.7 U	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U	< 2.7 U	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U
SB-15-A	27	57	N	6/19/2004	< 2.5 U	< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U	< 2.5 U	< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U
SB-15-A	27	77	N	6/19/2004	< 1.9 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 1.9 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U
SB-17-A	27	0	N	7/7/2004	< 1.6 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 1.6 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U
SB-17-A	27	7	N	7/7/2004	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-17-A	27	17	N	7/7/2004	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-17-A	27	27	N	7/7/2004	< 2 U	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U	< 2 U	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U
SB-17-A	27	47	N	7/7/2004	< 2.3 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 2.3 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U
SB-17-A	27	57	N	7/7/2004	< 2.1 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	< 2.1 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U
SB-17-A	27	77	N	7/7/2004	< 1.7 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.7 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-17-A	27	97	N	7/7/2004	< 2.2 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 2.2 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U
SB-18-A	27	0	N	6/21/2004	< 1.7 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	0.16 J	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U
SB-18-A	27	7	N	6/21/2004	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-18-A	27	17	N	6/21/2004	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-18-A	27	27	N	6/21/2004	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-18-A	27	47	N	6/21/2004	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-18-A	27	77	N	6/21/2004	< 2.8 U	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U	< 2.8 U	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U
SB-18-A	27	87	N	6/21/2004	< 2.6 U	< 0.53 U	< 0.53 U	< 0.53 U	< 0.53 U	< 2.6 U	< 0.53 U	< 0.53 U	< 0.53 U	< 0.53 U	< 0.53 U	< 0.53 U
SB-18-A	27	97	N	6/21/2004	< 2.1 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	< 2.1 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U
SB-19-A	27	0	N	7/8/2004	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U

TABLE B-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)											
					4-Nitrophenol	Acetophenone	Aniline	Azobenzene	Benzenethiol	Benzoic acid	Benzyl alcohol	Benzyl butyl phthalate	bis(2-Chloroethoxy) methane	bis(2-Chloroethyl) ether	bis(2-Chloroisopropyl) ether	bis(2-Ethylhexyl) phthalate
SB-19-A	27	7	N	7/8/2004	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-19-A	27	17	N	7/8/2004	< 1.7 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.7 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-19-A	27	27	N	7/8/2004	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-19-A	27	57	N	7/9/2004	< 2.9 U	< 0.59 U	< 0.59 U	< 0.59 U	< 0.59 U	< 2.9 U	< 0.59 U	< 0.59 U	< 0.59 U	< 0.59 U	< 0.59 U	< 0.59 U
SB-19-A	27	77	N	7/9/2004	< 2.3 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 2.3 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U
SB-19-A	27	97	N	7/9/2004	< 2.7 U	< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U	< 2.7 U	< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U
WC-AD02	39	0	N	8/3/2006	< 0.34 U	< 0.035 U	< 0.035 U	< 0.035 U	--	--	--	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	--

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in mg/kg.
-- = no sample data.
Shaded results indicate soil has been excavated and removed.

TABLE B-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)											
					bis(p-Chlorophenyl) disulfide	bis(p-Chlorophenyl) sulfone	Carbazole	Dibenzofuran	Dibutyl phthalate	Diethyl phthalate	Dimethyl phthalate	Di-n-octyl phthalate	Diphenyl sulfone	Fluoranthene	Fluorene	Hexachloro-1,3-butadiene
ADB-04	1a	1	N	4/18/1996	--	--	< 0.73 U	< 0.73 U	< 0.73 U	< 0.73 U	< 0.73 U	< 0.73 U	--	< 0.73 U	< 0.73 U	< 0.73 U
ADB-05	1a	1	N	4/19/1996	--	--	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	--	< 0.67 U	< 0.67 U	< 0.67 U
BDB-19	1a	1	N	3/25/1996	--	--	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	--	< 0.67 U	< 0.67 U	< 0.67 U
CSPUO-07NC	7b	1	N	4/27/2000	--	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ
CSPUO-07NE	7b	1	N	4/27/2000	--	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ
CSPUO-07NE2	7b	1	N	5/16/2000	--	--	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	--	< 0.5 U	< 0.5 U	< 0.5 U
CSPUO-07SC	7b	1	N	4/27/2000	--	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ
CSPUO-07SE	7b	1	N	4/27/2000	--	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ
CSPUO-07SW	7b	1	N	4/27/2000	--	--	< 0.5 UJ	< 0.5 UJ	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	--	--	< 0.5 UJ	< 0.5 UJ
CSPUP-08SC	7b	1	N	4/28/2000	--	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ
CSPUP-08SE	7b	1	N	4/28/2000	--	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ
DBMW-10	46	1	N	6/26/2007	< 0.21 U	< 0.34 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.015 U	< 0.0069 U	< 0.034 U	< 0.034 U	< 0.034 U
DBMW-10	46	10	N	6/26/2007	< 0.21 U	< 0.34 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.015 U	< 0.0069 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-10	46	20	N	6/26/2007	< 0.21 U	< 0.34 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.015 U	< 0.0069 U	< 0.034 U	< 0.034 U	< 0.034 U
DBMW-10	46	30	N	6/26/2007	< 0.22 U	< 0.35 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.016 U	< 0.0071 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-10	46	30	FD	6/26/2007	< 0.23 U	< 0.37 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.016 U	< 0.0074 U	< 0.037 U	< 0.037 U	< 0.037 U
DBMW-10	46	40	N	6/26/2007	< 0.21 U	< 0.35 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.015 U	< 0.007 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-10	46	50	N	6/26/2007	< 0.21 U	< 0.35 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.016 U	< 0.007 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-10	46	60	N	6/27/2007	< 0.22 U	< 0.36 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.016 U	< 0.0073 U	< 0.037 U	< 0.037 U	< 0.037 U
DBMW-10	46	70	N	7/2/2007	< 0.29 U	< 0.47 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.021 U	< 0.0095 U	< 0.047 U	< 0.047 U	< 0.047 U
DBMW-11	46	1	N	7/5/2007	< 0.21 U	< 0.33 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.015 U	< 0.0067 U	< 0.034 U	< 0.034 U	< 0.034 U
DBMW-11	46	10	N	7/5/2007	< 0.21 U	< 0.34 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.015 U	< 0.0069 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-11	46	20	N	7/5/2007	< 0.21 U	< 0.35 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.016 U	< 0.007 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-11	46	30	N	7/6/2007	< 0.23 U	< 0.37 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.017 U	< 0.0075 U	< 0.038 U	< 0.038 U	< 0.038 U
DBMW-11	46	40	N	7/6/2007	< 0.26 U	< 0.42 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.019 U	< 0.0085 U	< 0.043 U	< 0.043 U	< 0.043 U
DBMW-11	46	50	N	7/6/2007	< 0.26 U	< 0.43 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.019 U	< 0.0086 U	< 0.043 U	< 0.043 U	< 0.043 U
DBMW-11	46	50	FD	7/6/2007	< 0.28 U	< 0.46 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.021 U	< 0.0093 U	< 0.047 U	< 0.047 U	< 0.047 U
DBMW-11	46	60	N	7/6/2007	< 0.32 U	< 0.52 U	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U	< 0.023 U	< 0.011 U	< 0.053 U	< 0.053 U	< 0.053 U
DBMW-11	46	70	N	7/6/2007	< 0.27 U	< 0.43 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.019 U	< 0.0088 U	< 0.044 U	< 0.044 U	< 0.044 U
DBMW-9	46	1	N	6/25/2007	< 0.21 U	< 0.34 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.015 U	< 0.0068 U	< 0.034 U	< 0.034 U	< 0.034 U
DBMW-9	46	10	N	6/25/2007	< 0.21 U	< 0.34 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.015 U	< 0.0068 U	< 0.034 U	< 0.034 U	< 0.034 U
DBMW-9	46	20	N	6/25/2007	< 0.21 U	< 0.34 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.015 U	< 0.0069 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-9	46	20	FD	6/25/2007	< 0.21 U	< 0.34 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.015 U	< 0.0069 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-9	46	30	N	6/25/2007	< 0.21 U	< 0.34 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.015 U	< 0.0069 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-9	46	40	N	6/25/2007	< 0.21 U	< 0.34 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.015 U	< 0.0069 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-9	46	50	N	6/25/2007	< 0.26 U	< 0.42 U	< 0.042 U	< 0.042 U	< 0.042 U	< 0.042 U	< 0.042 U	< 0.019 U	< 0.0084 U	< 0.042 U	< 0.042 U	< 0.042 U
DBMW-9	46	60	N	6/25/2007	< 0.27 U	< 0.44 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.02 U	< 0.0089 U	< 0.044 U	< 0.044 U	< 0.044 U
DBMW-9	46	70	N	6/25/2007	< 0.27 U	< 0.44 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.02 U	< 0.0088 U	< 0.044 U	< 0.044 U	< 0.044 U
PRSSNP-07	20c	0	N	6/20/2001	--	--	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	--	< 0.34 U	< 0.34 U	< 0.34 U

TABLE B-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
UPPER PONDS SUB-AREA
(Page 11 of 18)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)											
					bis(p-Chlorophenyl) disulfide	bis(p-Chlorophenyl) sulfone	Carbazole	Dibenzofuran	Dibutyl phthalate	Diethyl phthalate	Dimethyl phthalate	Di-n-octyl phthalate	Diphenyl sulfone	Fluoranthene	Fluorene	Hexachloro-1,3-butadiene
PUH-02	1a	1	N	3/25/1996	--	--	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	--	< 0.67 U	< 0.67 U	< 0.67 U
PUJ-14	1a	1	N	3/22/1996	--	--	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	--	< 0.67 U	< 0.67 U	< 0.67 U
PUK-02	1a	1	N	3/25/1996	--	--	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	--	< 0.67 U	< 0.67 U	< 0.67 U
PUL-03	1a	1	N	3/25/1996	--	--	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	--	< 0.67 U	< 0.67 U	< 0.67 U
PUL-09	1a	1	N	3/22/1996	--	--	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	--	< 0.67 U	< 0.67 U	< 0.67 U
PUM-06	1a	1	N	3/22/1996	--	--	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	--	< 0.67 U	< 0.67 U	< 0.67 U
PUM-06	1a	5	N	3/22/1996	--	--	< 0.68 U	< 0.68 U	< 0.68 U	< 0.68 U	< 0.68 U	< 0.68 U	--	< 0.68 U	< 0.68 U	< 0.68 U
PUO-07BSSE	7d	0.5	N	3/24/2000	--	--	< 0.528 UJ	< 0.528 UJ	< 0.66 UJ	< 0.528 UJ	< 0.528 UJ	< 0.528 UJ	--	1.4 J-	< 0.528 UJ	< 0.66 UJ
PUO-07BSSE	7d	1.5	N	3/24/2000	--	--	< 0.537 UJ	< 0.537 UJ	< 0.67 UJ	< 0.537 UJ	< 0.537 UJ	< 0.537 UJ	--	< 0.67 UJ	< 0.537 UJ	< 0.67 UJ
PUO-07BSSW	7d	0.5	N	3/24/2000	--	--	< 0.534 UJ	< 0.534 UJ	< 0.5 UJ	< 0.534 UJ	< 0.534 UJ	< 0.534 UJ	--	< 0.5 UJ	< 0.534 UJ	< 0.5 UJ
PUO-07BSSW	7d	1.5	N	3/24/2000	--	--	< 0.526 UJ	< 0.526 UJ	< 0.5 UJ	< 0.526 UJ	< 0.526 UJ	< 0.526 UJ	--	< 0.5 UJ	< 0.526 UJ	< 0.5 UJ
SB-11-B	27	0	N	6/18/2004	< 0.35 UJ-	< 0.35 UJ-	< 0.35 UJ-	< 0.35 UJ-	< 0.35 UJ-	< 0.35 UJ-	< 0.35 UJ-	< 0.35 UJ-	< 0.35 UJ-	< 0.35 UJ-	< 0.35 UJ-	< 0.35 UJ-
SB-11-B	27	18.5	N	6/18/2004	< 0.37 UJ-	< 0.37 UJ-	< 0.37 UJ-	< 0.37 UJ-	< 0.37 UJ-	< 0.37 UJ-	< 0.37 UJ-	< 0.37 UJ-	< 0.37 UJ-	< 0.37 UJ-	< 0.37 UJ-	< 0.37 UJ-
SB-11-B	27	37	N	6/24/2004	< 0.61 UJ-	< 0.61 UJ-	< 0.61 UJ-	< 0.61 UJ-	< 0.61 UJ-	< 0.61 UJ-	< 0.61 UJ-	< 0.61 UJ-	< 0.61 UJ-	< 0.61 UJ-	< 0.61 UJ-	< 0.61 UJ-
SB-11-B	27	57	N	6/24/2004	< 0.59 UJ-	< 0.59 UJ-	< 0.59 UJ-	< 0.59 UJ-	< 0.59 UJ-	< 0.59 UJ-	< 0.59 UJ-	< 0.59 UJ-	< 0.59 UJ-	< 0.59 UJ-	< 0.59 UJ-	< 0.59 UJ-
SB-11-B	27	77	N	6/24/2004	< 0.49 UJ-	< 0.49 UJ-	< 0.49 UJ-	< 0.49 UJ-	< 0.49 UJ-	< 0.49 UJ-	< 0.49 UJ-	< 0.49 UJ-	< 0.49 UJ-	< 0.49 UJ-	< 0.49 UJ-	< 0.49 UJ-
SB-15-A	27	0	N	6/19/2004	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-15-A	27	7	N	6/19/2004	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U
SB-15-A	27	17	N	6/19/2004	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-15-A	27	47	N	6/19/2004	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U
SB-15-A	27	57	N	6/19/2004	< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U
SB-15-A	27	77	N	6/19/2004	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U
SB-17-A	27	0	N	7/7/2004	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U
SB-17-A	27	7	N	7/7/2004	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-17-A	27	17	N	7/7/2004	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-17-A	27	27	N	7/7/2004	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U
SB-17-A	27	47	N	7/7/2004	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U
SB-17-A	27	57	N	7/7/2004	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U
SB-17-A	27	77	N	7/7/2004	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-17-A	27	97	N	7/7/2004	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U
SB-18-A	27	0	N	6/21/2004	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U
SB-18-A	27	7	N	6/21/2004	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-18-A	27	17	N	6/21/2004	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-18-A	27	27	N	6/21/2004	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-18-A	27	47	N	6/21/2004	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-18-A	27	77	N	6/21/2004	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U
SB-18-A	27	87	N	6/21/2004	< 0.53 U	< 0.53 U	< 0.53 U	< 0.53 U	< 0.53 U	< 0.53 U	< 0.53 U	< 0.53 U	< 0.53 U	< 0.53 U	< 0.53 U	< 0.53 U
SB-18-A	27	97	N	6/21/2004	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U
SB-19-A	27	0	N	7/8/2004	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U

TABLE B-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)											
					bis(p-Chlorophenyl) disulfide	bis(p-Chlorophenyl) sulfone	Carbazole	Dibenzofuran	Dibutyl phthalate	Diethyl phthalate	Dimethyl phthalate	Di-n-octyl phthalate	Diphenyl sulfone	Fluoranthene	Fluorene	Hexachloro-1,3-butadiene
SB-19-A	27	7	N	7/8/2004	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-19-A	27	17	N	7/8/2004	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-19-A	27	27	N	7/8/2004	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U
SB-19-A	27	57	N	7/9/2004	< 0.59 U	< 0.59 U	< 0.59 U	< 0.59 U	< 0.59 U	< 0.59 U	< 0.59 U	< 0.59 U	< 0.59 U	< 0.59 U	< 0.59 U	< 0.59 U
SB-19-A	27	77	N	7/9/2004	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U
SB-19-A	27	97	N	7/9/2004	< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U
WC-AD02	39	0	N	8/3/2006	--	--	--	--	< 0.035 U	< 0.035 U	< 0.035 U	< 0.015 U	--	< 0.035 U	< 0.035 U	< 0.035 U

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in mg/kg.
-- = no sample data.
Shaded results indicate soil has been excavated and removed.

TABLE B-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)											
					Hexachlorobenzene	Hexachlorocyclo-pentadiene	Hexachloroethane	Hydroxymethyl phthalimide	Isophorone	Naphthalene	Nitrobenzene	N-Nitrosodimethylamine	N-nitrosodi-n-propylamine	N-nitrosodiphenylamine	o-Cresol	Octachlorostyrene
ADB-04	1a	1	N	4/18/1996	< 0.73 U	< 0.73 U	< 0.73 U	--	< 0.73 U	< 0.73 U	< 0.73 U	--	< 0.73 U	< 0.73 U	< 0.73 U	--
ADB-05	1a	1	N	4/19/1996	< 0.67 U	< 0.67 U	< 0.67 U	--	< 0.67 U	< 0.67 U	< 0.67 U	--	< 0.67 U	< 0.67 U	< 0.67 U	--
BDB-19	1a	1	N	3/25/1996	< 0.67 U	< 0.67 U	< 0.67 U	--	< 0.67 U	< 0.67 U	< 0.67 U	--	< 0.67 U	< 0.67 U	< 0.67 U	--
CSPUO-07NC	7b	1	N	4/27/2000	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	--
CSPUO-07NE	7b	1	N	4/27/2000	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	--
CSPUO-07NE2	7b	1	N	5/16/2000	< 0.5 U	< 0.5 U	< 0.5 U	--	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	--
CSPUO-07SC	7b	1	N	4/27/2000	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	--
CSPUO-07SE	7b	1	N	4/27/2000	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	--
CSPUO-07SW	7b	1	N	4/27/2000	--	< 0.5 UJ	< 0.5 UJ	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	--
CSPUP-08SC	7b	1	N	4/28/2000	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	--
CSPUP-08SE	7b	1	N	4/28/2000	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	--
DBMW-10	46	1	N	6/26/2007	< 0.034 U	< 0.34 U	< 0.034 U	< 0.045 U	< 0.034 U	< 0.034 U	< 0.034 U	--	< 0.034 U	< 0.034 U	< 0.12 U	< 0.034 U
DBMW-10	46	10	N	6/26/2007	< 0.035 U	< 0.34 U	< 0.035 U	< 0.045 U	< 0.035 U	< 0.035 U	< 0.035 U	--	< 0.035 U	< 0.035 U	< 0.12 U	< 0.035 U
DBMW-10	46	20	N	6/26/2007	< 0.034 U	< 0.34 U	< 0.034 U	< 0.045 U	< 0.034 U	< 0.034 U	< 0.034 U	--	< 0.034 U	< 0.034 U	< 0.12 U	< 0.034 U
DBMW-10	46	30	N	6/26/2007	< 0.035 U	< 0.35 U	< 0.035 U	< 0.046 U	< 0.035 U	< 0.035 U	< 0.035 U	--	< 0.035 U	< 0.035 U	< 0.13 U	< 0.035 U
DBMW-10	46	30	FD	6/26/2007	< 0.037 U	< 0.37 U	< 0.037 U	< 0.048 U	< 0.037 U	< 0.037 U	< 0.037 U	--	< 0.037 U	< 0.037 U	< 0.13 U	< 0.037 U
DBMW-10	46	40	N	6/26/2007	< 0.035 U	< 0.35 U	< 0.035 U	< 0.046 U	< 0.035 U	< 0.035 U	< 0.035 U	--	< 0.035 U	< 0.035 U	< 0.12 U	< 0.035 U
DBMW-10	46	50	N	6/26/2007	< 0.035 U	< 0.35 U	< 0.035 U	< 0.046 U	< 0.035 U	< 0.035 U	< 0.035 U	--	< 0.035 U	< 0.035 U	< 0.13 U	< 0.035 U
DBMW-10	46	60	N	6/27/2007	< 0.037 U	< 0.36 U	< 0.037 U	< 0.048 U	< 0.037 U	< 0.037 U	< 0.037 U	--	< 0.037 U	< 0.037 U	< 0.13 U	< 0.037 U
DBMW-10	46	70	N	7/2/2007	< 0.047 U	< 0.47 U	< 0.047 U	< 0.062 U	< 0.047 U	< 0.047 U	< 0.047 U	--	< 0.047 U	< 0.047 U	< 0.17 U	< 0.047 U
DBMW-11	46	1	N	7/5/2007	< 0.034 U	< 0.33 U	< 0.034 U	< 0.044 U	< 0.034 U	< 0.034 U	< 0.034 U	--	< 0.034 U	< 0.034 U	< 0.12 U	< 0.034 U
DBMW-11	46	10	N	7/5/2007	< 0.035 U	< 0.34 U	< 0.035 U	< 0.045 U	< 0.035 U	< 0.035 U	< 0.035 U	--	< 0.035 U	< 0.035 U	< 0.12 U	< 0.035 U
DBMW-11	46	20	N	7/5/2007	< 0.035 U	< 0.35 U	< 0.035 U	< 0.046 U	< 0.035 U	< 0.035 U	< 0.035 U	--	< 0.035 U	< 0.035 U	< 0.12 U	< 0.035 U
DBMW-11	46	30	N	7/6/2007	< 0.038 U	< 0.37 U	< 0.038 U	< 0.049 U	< 0.038 U	< 0.038 U	< 0.038 U	--	< 0.038 U	< 0.038 U	< 0.13 U	< 0.038 U
DBMW-11	46	40	N	7/6/2007	< 0.043 U	< 0.42 U	< 0.043 U	< 0.056 U	< 0.043 U	< 0.043 U	< 0.043 U	--	< 0.043 U	< 0.043 U	< 0.15 U	< 0.043 U
DBMW-11	46	50	N	7/6/2007	< 0.043 U	< 0.43 U	< 0.043 U	< 0.056 U	< 0.043 U	< 0.043 U	< 0.043 U	--	< 0.043 U	< 0.043 U	< 0.15 U	< 0.043 U
DBMW-11	46	50	FD	7/6/2007	< 0.047 U	< 0.46 U	< 0.047 U	< 0.061 U	< 0.047 U	< 0.047 U	< 0.047 U	--	< 0.047 U	< 0.047 U	< 0.17 U	< 0.047 U
DBMW-11	46	60	N	7/6/2007	< 0.053 U	< 0.52 U	< 0.053 U	< 0.069 U	< 0.053 U	< 0.053 U	< 0.053 U	--	< 0.053 U	< 0.053 U	< 0.19 U	< 0.053 U
DBMW-11	46	70	N	7/6/2007	< 0.044 U	< 0.43 U	< 0.044 U	< 0.057 U	< 0.044 U	< 0.044 U	< 0.044 U	--	< 0.044 U	< 0.044 U	< 0.16 U	< 0.044 U
DBMW-9	46	1	N	6/25/2007	< 0.034 U	< 0.34 U	< 0.034 U	< 0.044 U	< 0.034 U	< 0.034 U	< 0.034 U	--	< 0.034 U	< 0.034 U	< 0.12 U	< 0.034 U
DBMW-9	46	10	N	6/25/2007	< 0.034 U	< 0.34 U	< 0.034 U	< 0.044 U	< 0.034 U	< 0.034 U	< 0.034 U	--	< 0.034 U	< 0.034 U	< 0.12 U	< 0.034 U
DBMW-9	46	20	N	6/25/2007	< 0.035 U	< 0.34 U	< 0.035 U	< 0.045 U	< 0.035 U	< 0.035 U	< 0.035 U	--	< 0.035 U	< 0.035 U	< 0.12 U	< 0.035 U
DBMW-9	46	20	FD	6/25/2007	< 0.035 U	< 0.34 U	< 0.035 U	< 0.045 U	< 0.035 U	< 0.035 U	< 0.035 U	--	< 0.035 U	< 0.035 U	< 0.12 U	< 0.035 U
DBMW-9	46	30	N	6/25/2007	< 0.035 U	< 0.34 U	< 0.035 U	< 0.045 U	< 0.035 U	< 0.035 U	< 0.035 U	--	< 0.035 U	< 0.035 U	< 0.12 U	< 0.035 U
DBMW-9	46	40	N	6/25/2007	< 0.035 U	< 0.34 U	< 0.035 U	< 0.045 U	< 0.035 U	< 0.035 U	< 0.035 U	--	< 0.035 U	< 0.035 U	< 0.12 U	< 0.035 U
DBMW-9	46	50	N	6/25/2007	< 0.042 U	< 0.42 U	< 0.042 U	< 0.055 U	< 0.042 U	< 0.042 U	< 0.042 U	--	< 0.042 U	< 0.042 U	< 0.15 U	< 0.042 U
DBMW-9	46	60	N	6/25/2007	< 0.044 U	< 0.44 U	< 0.044 U	< 0.058 U	< 0.044 U	< 0.044 U	< 0.044 U	--	< 0.044 U	< 0.044 U	< 0.16 U	< 0.044 U
DBMW-9	46	70	N	6/25/2007	< 0.044 U	< 0.44 U	< 0.044 U	< 0.057 U	< 0.044 U	< 0.044 U	< 0.044 U	--	< 0.044 U	< 0.044 U	< 0.16 U	< 0.044 U
PRSSNP-07	20c	0	N	6/20/2001	< 0.34 U	< 1.6 U	< 0.34 U	--	< 0.34 U	< 0.34 U	< 0.34 U	--	< 0.34 U	< 0.34 U	< 0.34 U	--

TABLE B-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)											
					Hexachlorobenzene	Hexachlorocyclo-pentadiene	Hexachloroethane	Hydroxymethyl phthalimide	Isophorone	Naphthalene	Nitrobenzene	N-Nitrosodimethylamine	N-nitrosodi-n-propylamine	N-nitrosodiphenylamine	o-Cresol	Octachlorostyrene
PUH-02	1a	1	N	3/25/1996	< 0.67 U	< 0.67 U	< 0.67 U	--	< 0.67 U	< 0.67 U	< 0.67 U	--	< 0.67 U	< 0.67 U	< 0.67 U	--
PUJ-14	1a	1	N	3/22/1996	< 0.67 U	< 0.67 U	< 0.67 U	--	< 0.67 U	< 0.67 U	< 0.67 U	--	< 0.67 U	< 0.67 U	< 0.67 U	--
PUK-02	1a	1	N	3/25/1996	< 0.67 U	< 0.67 U	< 0.67 U	--	< 0.67 U	< 0.67 U	< 0.67 U	--	< 0.67 U	< 0.67 U	< 0.67 U	--
PUL-03	1a	1	N	3/25/1996	< 0.67 U	< 0.67 U	< 0.67 U	--	< 0.67 U	< 0.67 U	< 0.67 U	--	< 0.67 U	< 0.67 U	< 0.67 U	--
PUL-09	1a	1	N	3/22/1996	< 0.67 U	< 0.67 U	< 0.67 U	--	< 0.67 U	< 0.67 U	< 0.67 U	--	< 0.67 U	< 0.67 U	< 0.67 U	--
PUM-06	1a	1	N	3/22/1996	< 0.67 U	< 0.67 U	< 0.67 U	--	< 0.67 U	< 0.67 U	< 0.67 U	--	< 0.67 U	< 0.67 U	< 0.67 U	--
PUM-06	1a	5	N	3/22/1996	< 0.68 U	< 0.68 U	< 0.68 U	--	< 0.68 U	< 0.68 U	< 0.68 U	--	< 0.68 U	< 0.68 U	< 0.68 U	--
PUO-07BSSE	7d	0.5	N	3/24/2000	39 J-	< 0.528 UJ	< 0.528 UJ	--	< 0.528 UJ	< 0.528 UJ	< 0.528 UJ	< 0.528 UJ	< 0.528 UJ	< 0.528 UJ	< 0.528 UJ	--
PUO-07BSSE	7d	1.5	N	3/24/2000	< 0.33 UJ	< 0.537 UJ	< 0.537 UJ	--	< 0.537 UJ	< 0.537 UJ	< 0.537 UJ	< 0.537 UJ	< 0.537 UJ	< 0.537 UJ	< 0.537 UJ	--
PUO-07BSSW	7d	0.5	N	3/24/2000	< 0.5 UJ	< 0.534 UJ	< 0.534 UJ	--	< 0.534 UJ	< 0.534 UJ	< 0.534 UJ	< 0.534 UJ	< 0.534 UJ	< 0.534 UJ	< 0.534 UJ	--
PUO-07BSSW	7d	1.5	N	3/24/2000	< 0.5 UJ	< 0.526 UJ	< 0.526 UJ	--	< 0.526 UJ	< 0.526 UJ	< 0.526 UJ	< 0.526 UJ	< 0.526 UJ	< 0.526 UJ	< 0.526 UJ	--
SB-11-B	27	0	N	6/18/2004	< 0.35 UJ-	< 1.7 UJ-	< 0.35 UJ-	< 0.35 UJ-	< 0.35 UJ-	< 0.35 UJ-	< 0.35 UJ-	--	< 0.35 UJ-	< 0.35 UJ-	< 0.35 UJ-	--
SB-11-B	27	18.5	N	6/18/2004	< 0.37 UJ-	< 1.8 UJ-	< 0.37 UJ-	< 0.37 UJ-	< 0.37 UJ-	< 0.37 UJ-	< 0.37 UJ-	--	< 0.37 UJ-	< 0.37 UJ-	< 0.37 UJ-	--
SB-11-B	27	37	N	6/24/2004	< 0.61 UJ-	< 2.9 UJ-	< 0.61 UJ-	< 0.61 UJ-	< 0.61 UJ-	< 0.61 UJ-	< 0.61 UJ-	--	< 0.61 UJ-	< 0.61 UJ-	< 0.61 UJ-	--
SB-11-B	27	57	N	6/24/2004	< 0.59 UJ-	< 2.9 UJ-	< 0.59 UJ-	< 0.59 UJ-	< 0.59 UJ-	< 0.59 UJ-	< 0.59 UJ-	--	< 0.59 UJ-	< 0.59 UJ-	< 0.59 UJ-	--
SB-11-B	27	77	N	6/24/2004	< 0.49 UJ-	< 2.4 UJ-	< 0.49 UJ-	< 0.49 UJ-	< 0.49 UJ-	< 0.49 UJ-	< 0.49 UJ-	--	< 0.49 UJ-	< 0.49 UJ-	< 0.49 UJ-	--
SB-15-A	27	0	N	6/19/2004	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	--	< 0.34 U	< 0.34 U	< 0.34 U	--
SB-15-A	27	7	N	6/19/2004	< 0.35 U	< 1.7 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	--	< 0.35 U	< 0.35 U	< 0.35 U	--
SB-15-A	27	17	N	6/19/2004	< 0.34 U	< 1.7 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	--	< 0.34 U	< 0.34 U	< 0.34 U	--
SB-15-A	27	47	N	6/19/2004	< 0.57 U	< 2.7 U	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U	--	< 0.57 U	< 0.57 U	< 0.57 U	--
SB-15-A	27	57	N	6/19/2004	< 0.52 U	< 2.5 U	< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U	--	< 0.52 U	< 0.52 U	< 0.52 U	--
SB-15-A	27	77	N	6/19/2004	< 0.4 U	< 1.9 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	--	< 0.4 U	< 0.4 U	< 0.4 U	--
SB-17-A	27	0	N	7/7/2004	< 0.33 U	< 1.6 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	--	< 0.33 U	< 0.33 U	< 0.33 U	--
SB-17-A	27	7	N	7/7/2004	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	--	< 0.34 U	< 0.34 U	< 0.34 U	--
SB-17-A	27	17	N	7/7/2004	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	--	< 0.34 U	< 0.34 U	< 0.34 U	--
SB-17-A	27	27	N	7/7/2004	< 0.42 U	< 2 U	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U	--	< 0.42 U	< 0.42 U	< 0.42 U	--
SB-17-A	27	47	N	7/7/2004	< 0.47 U	< 2.3 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	--	< 0.47 U	< 0.47 U	< 0.47 U	--
SB-17-A	27	57	N	7/7/2004	< 0.44 U	< 2.1 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	--	< 0.44 U	< 0.44 U	< 0.44 U	--
SB-17-A	27	77	N	7/7/2004	< 0.34 U	< 1.7 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	--	< 0.34 U	< 0.34 U	< 0.34 U	--
SB-17-A	27	97	N	7/7/2004	< 0.46 U	< 2.2 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	--	< 0.46 U	< 0.46 U	< 0.46 U	--
SB-18-A	27	0	N	6/21/2004	< 0.35 U	< 1.7 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	--	< 0.35 U	< 0.35 U	< 0.35 U	--
SB-18-A	27	7	N	6/21/2004	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	--	< 0.34 U	< 0.34 U	< 0.34 U	--
SB-18-A	27	17	N	6/21/2004	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	--	< 0.34 U	< 0.34 U	< 0.34 U	--
SB-18-A	27	27	N	6/21/2004	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	--	< 0.34 U	< 0.34 U	< 0.34 U	--
SB-18-A	27	47	N	6/21/2004	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	--	< 0.34 U	< 0.34 U	< 0.34 U	--
SB-18-A	27	77	N	6/21/2004	< 0.57 U	< 2.8 U	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U	--	< 0.57 U	< 0.57 U	< 0.57 U	--
SB-18-A	27	87	N	6/21/2004	< 0.53 U	< 2.6 U	< 0.53 U	< 0.53 U	< 0.53 U	< 0.53 U	< 0.53 U	--	< 0.53 U	< 0.53 U	< 0.53 U	--
SB-18-A	27	97	N	6/21/2004	< 0.44 U	< 2.1 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	--	< 0.44 U	< 0.44 U	< 0.44 U	--
SB-19-A	27	0	N	7/8/2004	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	--	< 0.34 U	< 0.34 U	< 0.34 U	--

TABLE B-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)											
					Hexachlorobenzene	Hexachlorocyclo-pentadiene	Hexachloroethane	Hydroxymethyl phthalimide	Isophorone	Naphthalene	Nitrobenzene	N-Nitrosodimethylamine	N-nitrosodi-n-propylamine	N-nitrosodiphenylamine	o-Cresol	Octachlorostyrene
SB-19-A	27	7	N	7/8/2004	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	--	< 0.34 U	< 0.34 U	< 0.34 U	--
SB-19-A	27	17	N	7/8/2004	< 0.34 U	< 1.7 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	--	< 0.34 U	< 0.34 U	< 0.34 U	--
SB-19-A	27	27	N	7/8/2004	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	--	< 0.34 U	< 0.34 U	< 0.34 U	--
SB-19-A	27	57	N	7/9/2004	< 0.59 U	< 2.9 U	< 0.59 U	< 0.59 U	< 0.59 U	< 0.59 U	< 0.59 U	--	< 0.59 U	< 0.59 U	< 0.59 U	--
SB-19-A	27	77	N	7/9/2004	< 0.47 U	< 2.3 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	--	< 0.47 U	< 0.47 U	< 0.47 U	--
SB-19-A	27	97	N	7/9/2004	< 0.56 U	< 2.7 U	< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U	--	< 0.56 U	< 0.56 U	< 0.56 U	--
WC-AD02	39	0	N	8/3/2006	< 0.035 U	< 0.34 U	< 0.035 U	--	--	< 0.035 U	< 0.035 U	--	< 0.035 U	< 0.035 U	< 0.12 U	--

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in mg/kg.
-- = no sample data.
Shaded results indicate soil has been excavated and removed.

TABLE B-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)										
					p-Chloroaniline	p-Chlorothiophenol	p-Cresol	Pentachlorobenzene	Pentachlorophenol	Phenol	Phenyl Disulfide	Phenyl Sulfide	Phthalic acid	p-Nitroaniline	Pyridine
ADB-04	1a	1	N	4/18/1996	< 1.4 U	--	< 0.73 U	--	< 3.6 U	< 0.73 U	--	--	--	< 3.6 U	--
ADB-05	1a	1	N	4/19/1996	< 1.3 U	--	< 0.67 U	--	< 3.4 U	< 0.67 U	--	--	--	< 3.4 U	--
BDB-19	1a	1	N	3/25/1996	< 1.3 U	--	< 0.67 U	--	< 3.4 U	< 0.67 U	--	--	--	< 3.4 U	--
CSPUO-07NC	7b	1	N	4/27/2000	< 1 UJ	--	--	--	< 2.5 UJ	< 0.5 UJ	--	--	--	< 1 UJ	< 0.5 UJ
CSPUO-07NE	7b	1	N	4/27/2000	< 1 UJ	--	--	--	< 2.5 UJ	< 0.5 UJ	--	--	--	< 1 UJ	< 0.5 UJ
CSPUO-07NE2	7b	1	N	5/16/2000	< 1 U	--	--	--	< 2.5 U	< 0.5 U	--	--	--	< 1 U	< 0.5 U
CSPUO-07SC	7b	1	N	4/27/2000	< 1 UJ	--	--	--	< 2.5 UJ	< 0.5 UJ	--	--	--	< 1 UJ	< 0.5 UJ
CSPUO-07SE	7b	1	N	4/27/2000	< 1 UJ	--	--	--	< 2.5 UJ	< 0.5 UJ	--	--	--	< 1 UJ	< 0.5 UJ
CSPUO-07SW	7b	1	N	4/27/2000	--	--	--	--	< 2.5 UJ	--	--	--	--	< 1 UJ	< 0.5 UJ
CSPUP-08SC	7b	1	N	4/28/2000	< 1 UJ	--	--	--	< 2.5 UJ	< 0.5 UJ	--	--	--	< 1 UJ	< 0.5 UJ
CSPUP-08SE	7b	1	N	4/28/2000	< 1 UJ	--	--	--	< 2.5 UJ	< 0.5 UJ	--	--	--	< 1 UJ	< 0.5 UJ
DBMW-10	46	1	N	6/26/2007	< 0.034 U	< 0.19 U	--	< 0.034 U	< 0.34 U	< 0.034 U	< 0.03 U	< 0.0036 U	< 0.26 UJ	< 0.34 U	< 0.034 U
DBMW-10	46	10	N	6/26/2007	< 0.035 U	< 0.19 U	--	< 0.035 U	< 0.34 U	< 0.035 U	< 0.03 U	< 0.0037 U	< 0.26 UJ	< 0.34 U	< 0.035 U
DBMW-10	46	20	N	6/26/2007	< 0.034 U	< 0.19 U	--	< 0.034 U	< 0.34 U	< 0.034 U	< 0.03 U	< 0.0036 U	< 0.26 UJ	< 0.34 U	< 0.034 U
DBMW-10	46	30	N	6/26/2007	< 0.035 U	< 0.2 U	--	< 0.035 U	< 0.35 U	< 0.035 U	< 0.03 U	< 0.0037 U	< 0.27 UJ	< 0.35 U	< 0.035 U
DBMW-10	46	30	FD	6/26/2007	< 0.037 U	< 0.21 U	--	< 0.037 U	< 0.37 U	< 0.037 U	< 0.032 U	< 0.0039 U	< 0.28 UJ	< 0.37 U	< 0.037 U
DBMW-10	46	40	N	6/26/2007	< 0.035 U	< 0.19 U	--	< 0.035 U	< 0.35 U	< 0.035 U	< 0.03 U	< 0.0037 U	< 0.26 UJ	< 0.35 U	< 0.035 U
DBMW-10	46	50	N	6/26/2007	< 0.035 U	< 0.2 U	--	< 0.035 U	< 0.35 U	< 0.035 U	< 0.03 U	< 0.0037 U	< 0.26 UJ	< 0.35 U	< 0.035 U
DBMW-10	46	60	N	6/27/2007	< 0.037 U	< 0.2 U	--	< 0.037 U	< 0.36 U	< 0.037 U	< 0.032 U	< 0.0039 U	< 0.27 UJ	< 0.36 U	< 0.037 U
DBMW-10	46	70	N	7/2/2007	< 0.047 UJ	< 0.26 U	--	< 0.047 U	< 0.47 U	< 0.047 U	< 0.041 U	< 0.005 U	< 0.36 UJ	< 0.47 U	< 0.047 U
DBMW-11	46	1	N	7/5/2007	< 0.034 UJ	< 0.19 U	--	< 0.034 U	< 0.33 U	< 0.034 U	< 0.029 U	< 0.0036 U	< 0.25 UJ	< 0.33 U	< 0.034 U
DBMW-11	46	10	N	7/5/2007	< 0.035 UJ	< 0.19 U	--	< 0.035 U	< 0.34 U	< 0.035 U	< 0.03 U	< 0.0037 U	< 0.26 UJ	< 0.34 U	< 0.035 U
DBMW-11	46	20	N	7/5/2007	< 0.035 UJ	< 0.19 U	--	< 0.035 U	< 0.35 U	< 0.035 U	< 0.03 U	< 0.0037 U	< 0.26 UJ	< 0.35 U	< 0.035 U
DBMW-11	46	30	N	7/6/2007	< 0.038 UJ	< 0.21 U	--	< 0.038 U	< 0.37 U	< 0.038 U	< 0.032 U	< 0.004 U	< 0.28 UJ	< 0.37 U	< 0.038 U
DBMW-11	46	40	N	7/6/2007	< 0.043 UJ	< 0.24 U	--	< 0.043 U	< 0.42 U	< 0.043 U	< 0.037 U	< 0.0045 U	< 0.32 UJ	< 0.42 U	< 0.043 U
DBMW-11	46	50	N	7/6/2007	< 0.043 UJ	< 0.24 U	--	< 0.043 U	< 0.43 U	< 0.043 U	< 0.037 U	< 0.0046 U	< 0.32 UJ	< 0.43 U	< 0.043 U
DBMW-11	46	50	FD	7/6/2007	< 0.047 UJ	< 0.26 U	--	< 0.047 U	< 0.46 U	< 0.047 U	< 0.04 U	< 0.005 U	< 0.35 UJ	< 0.46 U	< 0.047 U
DBMW-11	46	60	N	7/6/2007	< 0.053 UJ	< 0.29 U	--	< 0.053 U	< 0.52 U	< 0.053 U	< 0.045 U	< 0.0056 U	< 0.39 UJ	< 0.52 U	< 0.053 U
DBMW-11	46	70	N	7/6/2007	< 0.044 UJ	< 0.24 U	--	< 0.044 U	< 0.43 U	< 0.044 U	< 0.038 U	< 0.0046 U	< 0.33 UJ	< 0.43 U	< 0.044 U
DBMW-9	46	1	N	6/25/2007	< 0.034 U	< 0.19 U	--	< 0.034 U	< 0.34 U	< 0.034 U	< 0.029 U	< 0.0036 U	< 0.25 UJ	< 0.34 U	< 0.034 U
DBMW-9	46	10	N	6/25/2007	< 0.034 U	< 0.19 U	--	< 0.034 U	< 0.34 U	< 0.034 U	< 0.029 U	< 0.0036 U	< 0.26 UJ	< 0.34 U	< 0.034 U
DBMW-9	46	20	N	6/25/2007	< 0.035 U	< 0.19 U	--	< 0.035 U	< 0.34 U	< 0.035 U	< 0.03 U	< 0.0037 U	< 0.26 UJ	< 0.34 U	< 0.035 U
DBMW-9	46	20	FD	6/25/2007	< 0.035 U	< 0.19 U	--	< 0.035 U	< 0.34 U	< 0.035 U	< 0.03 U	< 0.0037 U	< 0.26 UJ	< 0.34 U	< 0.035 U
DBMW-9	46	30	N	6/25/2007	< 0.035 U	< 0.19 U	--	< 0.035 U	< 0.34 U	< 0.035 U	< 0.03 U	< 0.0037 U	< 0.26 UJ	< 0.34 U	< 0.035 U
DBMW-9	46	40	N	6/25/2007	< 0.035 U	< 0.19 U	--	< 0.035 U	< 0.34 U	< 0.035 U	< 0.03 U	< 0.0037 U	< 0.26 UJ	< 0.34 U	< 0.035 U
DBMW-9	46	50	N	6/25/2007	< 0.042 U	< 0.23 U	--	< 0.042 U	< 0.42 U	< 0.042 U	< 0.036 U	< 0.0045 U	< 0.32 UJ	< 0.42 U	< 0.042 U
DBMW-9	46	60	N	6/25/2007	< 0.044 U	< 0.25 U	--	< 0.044 U	< 0.44 U	< 0.044 U	< 0.038 U	< 0.0047 U	< 0.33 UJ	< 0.44 U	< 0.044 U
DBMW-9	46	70	N	6/25/2007	< 0.044 U	< 0.24 U	--	< 0.044 U	< 0.44 U	< 0.044 U	< 0.038 U	< 0.0047 U	< 0.33 UJ	< 0.44 U	< 0.044 U
PRSSNP-07	20c	0	N	6/20/2001	< 0.34 U	--	< 0.34 U	--	< 1.6 U	< 0.34 U	--	--	--	< 1.6 U	--

TABLE B-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)										
					p-Chloroaniline	p-Chlorothiophenol	p-Cresol	Pentachlorobenzene	Pentachlorophenol	Phenol	Phenyl Disulfide	Phenyl Sulfide	Phthalic acid	p-Nitroaniline	Pyridine
PUH-02	1a	1	N	3/25/1996	< 1.3 U	--	< 0.67 U	--	< 3.3 U	< 0.67 U	--	--	--	< 3.3 U	--
PUJ-14	1a	1	N	3/22/1996	< 1.3 U	--	< 0.67 U	--	< 3.4 U	< 0.67 U	--	--	--	< 3.4 U	--
PUK-02	1a	1	N	3/25/1996	< 1.3 U	--	< 0.67 U	--	< 3.3 U	< 0.67 U	--	--	--	< 3.3 U	--
PUL-03	1a	1	N	3/25/1996	< 1.3 U	--	< 0.67 U	--	< 3.4 U	< 0.67 U	--	--	--	< 3.4 U	--
PUL-09	1a	1	N	3/22/1996	< 1.3 U	--	< 0.67 U	--	< 3.4 U	< 0.67 U	--	--	--	< 3.4 U	--
PUM-06	1a	1	N	3/22/1996	< 1.3 U	--	< 0.67 U	--	< 3.3 U	< 0.67 U	--	--	--	< 3.3 U	--
PUM-06	1a	5	N	3/22/1996	< 1.3 U	--	< 0.68 U	--	< 3.4 U	< 0.68 U	--	--	--	< 3.4 U	--
PUO-07BSSE	7d	0.5	N	3/24/2000	< 0.44 UJ	--	--	--	< 0.36 UJ	< 0.66 UJ	--	--	--	< 1.057 UJ	< 0.528 UJ
PUO-07BSSE	7d	1.5	N	3/24/2000	< 0.44 UJ	--	--	--	< 0.36 UJ	< 0.67 UJ	--	--	--	< 1.074 UJ	< 0.537 UJ
PUO-07BSSW	7d	0.5	N	3/24/2000	< 1 UJ	--	--	--	< 2.5 UJ	< 0.5 UJ	--	--	--	< 1.068 UJ	< 0.534 UJ
PUO-07BSSW	7d	1.5	N	3/24/2000	< 1 UJ	--	--	--	< 2.5 UJ	< 0.5 UJ	--	--	--	< 1.051 UJ	< 0.526 UJ
SB-11-B	27	0	N	6/18/2004	< 0.35 UJ-	< 0.35 UJ-	--	< 0.35 UJ-	< 1.7 UJ-	< 0.35 UJ-	< 0.35 UJ-	< 0.35 UJ-	< 0.35 UJ-/+	< 1.7 UJ-	< 0.7 UJ-
SB-11-B	27	18.5	N	6/18/2004	< 0.37 UJ-	< 0.37 UJ-	--	< 0.37 UJ-	< 1.8 UJ-	< 0.37 UJ-	< 0.37 UJ-	< 0.37 UJ-	< 0.37 UJ-/+	< 1.8 UJ-	< 0.75 UJ-
SB-11-B	27	37	N	6/24/2004	< 0.61 UJ-	< 0.61 UJ-	--	< 0.61 UJ-	< 2.9 UJ-	< 0.61 UJ-	< 0.61 UJ-	< 0.61 UJ-	< 0.61 UJ-/+	< 2.9 UJ-	< 1.2 UJ-
SB-11-B	27	57	N	6/24/2004	< 0.59 UJ-	< 0.59 UJ-	--	< 0.59 UJ-	< 2.9 UJ-	< 0.59 UJ-	< 0.59 UJ-	< 0.59 UJ-	< 0.59 UJ-/+	< 2.9 UJ-	< 1.2 UJ-
SB-11-B	27	77	N	6/24/2004	< 0.49 UJ-	< 0.49 UJ-	--	< 0.49 UJ-	< 2.4 UJ-	< 0.49 UJ-	< 0.49 UJ-	< 0.49 UJ-	< 0.49 UJ-/+	< 2.4 UJ-	< 0.98 UJ-
SB-15-A	27	0	N	6/19/2004	< 0.34 U	< 0.34 U	--	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.6 U	< 0.68 U
SB-15-A	27	7	N	6/19/2004	< 0.35 U	< 0.35 U	--	< 0.35 U	< 1.7 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 1.7 U	< 0.7 U
SB-15-A	27	17	N	6/19/2004	< 0.34 U	< 0.34 U	--	< 0.34 U	< 1.7 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.7 U	< 0.68 U
SB-15-A	27	47	N	6/19/2004	< 0.57 U	< 0.57 U	--	< 0.57 U	< 2.7 U	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U	< 2.7 U	< 1.1 U
SB-15-A	27	57	N	6/19/2004	< 0.52 U	< 0.52 U	--	< 0.52 U	< 2.5 U	< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U	< 2.5 U	< 1 U
SB-15-A	27	77	N	6/19/2004	< 0.4 U	< 0.4 U	--	< 0.4 U	< 1.9 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 1.9 U	< 0.8 U
SB-17-A	27	0	N	7/7/2004	< 0.33 U	< 0.33 U	--	< 0.33 U	< 1.6 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 1.6 U	< 0.67 U
SB-17-A	27	7	N	7/7/2004	< 0.34 U	< 0.34 U	--	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	1.2	< 1.6 U	< 0.68 U
SB-17-A	27	17	N	7/7/2004	< 0.34 U	< 0.34 U	--	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	0.85	< 1.6 U	< 0.68 U
SB-17-A	27	27	N	7/7/2004	< 0.42 U	< 0.42 U	--	< 0.42 U	< 2 U	< 0.42 U	< 0.42 U	< 0.42 U	0.89	< 2 U	< 0.84 U
SB-17-A	27	47	N	7/7/2004	< 0.47 U	< 0.47 U	--	< 0.47 U	< 2.3 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 2.3 U	< 0.94 U
SB-17-A	27	57	N	7/7/2004	< 0.44 U	< 0.44 U	--	< 0.44 U	< 2.1 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	< 2.1 U	< 0.89 U
SB-17-A	27	77	N	7/7/2004	< 0.34 U	< 0.34 U	--	< 0.34 U	< 1.7 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.7 U	< 0.69 U
SB-17-A	27	97	N	7/7/2004	< 0.46 U	< 0.46 U	--	< 0.46 U	< 2.2 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 2.2 U	< 0.93 U
SB-18-A	27	0	N	6/21/2004	< 0.35 U	< 0.35 U	--	< 0.35 U	< 1.7 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 1.7 U	< 0.7 U
SB-18-A	27	7	N	6/21/2004	< 0.34 U	< 0.34 U	--	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.6 U	< 0.67 U
SB-18-A	27	17	N	6/21/2004	< 0.34 U	< 0.34 U	--	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.6 U	< 0.68 U
SB-18-A	27	27	N	6/21/2004	< 0.34 U	< 0.34 U	--	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.6 U	< 0.67 U
SB-18-A	27	47	N	6/21/2004	< 0.34 U	< 0.34 U	--	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.6 U	< 0.68 U
SB-18-A	27	77	N	6/21/2004	< 0.57 U	< 0.57 U	--	< 0.57 U	< 2.8 U	< 0.57 U	< 0.57 U	< 0.57 U	< 0.57 U	< 2.8 U	< 1.1 U
SB-18-A	27	87	N	6/21/2004	< 0.53 U	< 0.53 U	--	< 0.53 U	< 2.6 U	< 0.53 U	< 0.53 U	< 0.53 U	< 0.53 U	< 2.6 U	< 1.1 U
SB-18-A	27	97	N	6/21/2004	< 0.44 U	< 0.44 U	--	< 0.44 U	< 2.1 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	< 2.1 U	< 0.89 U
SB-19-A	27	0	N	7/8/2004	< 0.34 U	< 0.34 U	--	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.6 U	< 0.68 U

TABLE B-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)										
					p-Chloroaniline	p-Chlorothiophenol	p-Cresol	Pentachlorobenzene	Pentachlorophenol	Phenol	Phenyl Disulfide	Phenyl Sulfide	Phthalic acid	p-Nitroaniline	Pyridine
SB-19-A	27	7	N	7/8/2004	< 0.34 U	< 0.34 U	--	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.6 U	< 0.68 U
SB-19-A	27	17	N	7/8/2004	< 0.34 U	< 0.34 U	--	< 0.34 U	< 1.7 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.7 U	< 0.69 U
SB-19-A	27	27	N	7/8/2004	< 0.34 U	< 0.34 U	--	< 0.34 U	< 1.6 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.6 U	< 0.68 U
SB-19-A	27	57	N	7/9/2004	< 0.59 U	< 0.59 U	--	< 0.59 U	< 2.9 U	< 0.59 U	< 0.59 U	< 0.59 U	< 0.59 U	< 2.9 U	< 1.2 U
SB-19-A	27	77	N	7/9/2004	< 0.47 U	< 0.47 U	--	< 0.47 U	< 2.3 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 2.3 U	< 0.94 U
SB-19-A	27	97	N	7/9/2004	< 0.56 U	< 0.56 U	--	< 0.56 U	< 2.7 U	< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U	< 2.7 U	< 1.1 U
WC-AD02	39	0	N	8/3/2006	< 0.035 UJ	--	--	< 0.035 U	< 0.34 U	< 0.035 U	--	--	< 0.26 U	< 0.34 U	< 0.035 U

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in mg/kg.
-- = no sample data.
Shaded results indicate soil has been excavated and removed.

TABLE B-5
SOIL DIOXINS/FURANS DATA
UPPER PONDS SUB-AREA
(Page 1 of 2)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Dioxins/Furans								
					1,2,3,4,6,7,8-HpCDF	1,2,3,4,6,7,8-HpCDD	1,2,3,4,7,8,9-HpCDF	1,2,3,4,7,8-HxCDF	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDF	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDF	1,2,3,7,8,9-HxCDD
DBMW-10	46	1	N	6/26/2007	53 J	5 J	22 J	19 J	< 1.1 UJ	16 J	< 2.2 UJ	< 2.2 UJ	< 1.2 UJ
DBMW-11	46	1	N	7/5/2007	3.9 J	< 0.88 U	< 1.2 U	< 1.8 U	< 0.68 U	< 0.93 U	< 0.64 U	< 0.59 U	< 0.54 U
DBMW-9	46	1	N	6/25/2007	5.8	< 0.98 U	< 1.9 U	< 2.3 U	< 0.3 U	< 1.5 U	< 0.27 U	< 0.34 U	< 0.25 U
SB-11-B	27	0	N	6/18/2004	< 0.53 UJ-	< 1.3 UJ-	< 0.64 UJ-	< 0.53 UJ-	< 0.93 UJ-	< 0.51 UJ-	< 0.84 UJ-	< 0.62 UJ-/+	< 0.82 UJ-
SB-15-A	27	0	N	6/19/2004	< 1 U	< 1.6 U	< 1.3 U	< 0.73 U	< 1.5 U	< 0.71 U	< 1.3 U	< 0.85 U	< 1.3 U
SB-15-A	27	7	N	6/19/2004	< 0.35 U	< 0.79 U	< 0.42 U	< 0.33 U	< 0.58 U	< 0.32 U	< 0.54 U	< 0.38 U	< 0.52 U
SB-17-A	27	0	N	7/7/2004	6.7	< 1.1 U	< 2.5 U	3.8	< 0.55 U	2.7	< 0.51 U	< 0.59 U	< 0.49 U
SB-17-A	27	7	N	7/7/2004	< 1.8 U	< 0.55 U	< 0.64 U	< 1 U	< 0.46 U	< 0.73 U	< 0.42 U	< 0.34 U	< 0.41 U
SB-17-A	27	17	N	7/7/2004	< 0.74 U	< 0.81 U	< 0.44 U	< 0.66 U	< 0.55 U	< 0.52 U	< 0.66 U	< 0.62 U	< 0.54 U
SB-17-A	27	27	N	7/7/2004	< 0.36 U	< 0.81 U	< 0.44 U	< 0.32 U	< 0.55 U	< 0.3 U	< 0.5 U	< 0.37 U	< 0.48 U
SB-18-A	27	0	N	6/21/2004	< 0.48 U	< 1.1 U	< 0.58 U	< 0.43 U	< 0.83 U	< 0.42 U	< 0.76 U	< 0.5 U	< 0.74 U
SB-18-A	27	7	N	6/21/2004	< 0.55 U	< 0.92 U	< 0.66 U	< 0.41 U	< 0.62 U	< 0.4 U	< 0.57 U	< 0.48 U	< 0.55 U
SB-19-A	27	0	N	7/8/2004	140	8.2	58	49	< 1.1 U	29	< 2.3 U	5.4	< 2.5 U
SB-19-A	27	7	N	7/8/2004	3.2	< 0.35 U	< 1.6 U	< 1.5 U	< 0.37 U	< 0.83 U	< 0.34 U	< 0.33 U	< 0.33 U
SB-19-A	27	17	N	7/8/2004	< 0.69 U	< 0.9 U	< 0.74 U	< 0.38 U	< 0.64 U	< 0.39 U	< 0.6 U	< 0.62 U	< 0.6 U
SB-19-A	27	27	N	7/8/2004	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.089 U	< 0.053 U	< 0.19 U	< 0.19 U	< 0.2 U
WC-AD02	39	0	N	8/3/2006	64	9.8	31	--	--	--	--	--	--

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in pg/g.
-- = no sample data.

TABLE B-5
SOIL DIOXINS/FURANS DATA
UPPER PONDS SUB-AREA
(Page 2 of 2)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Dioxins/Furans								
					1,2,3,7,8-PeCDF	1,2,3,7,8-PeCDD	2,3,4,6,7,8-HxCDF	2,3,4,7,8-PeCDF	2,3,7,8-TCDF	2,3,7,8-TCDD	OCDD	OCDF	TCDD TEQ
DBMW-10	46	1	N	6/26/2007	11 J	< 2 UJ	5 J	4.7 J	4.9 J	< 0.44 UJ	< 2.2 UJ	150 J	9.8
DBMW-11	46	1	N	7/5/2007	< 1.2 U	< 0.55 U	< 0.58 U	< 0.53 U	< 0.51 U	< 0.32 U	< 2.2 U	14	0.96
DBMW-9	46	1	N	6/25/2007	< 0.87 U	< 0.65 U	< 0.48 U	< 0.71 U	< 0.49 U	< 0.41 U	< 3.5 U	20	1.1
SB-11-B	27	0	N	6/18/2004	< 0.72 UJ-	< 1.2 UJ-/+	< 0.55 UJ-	< 0.72 UJ-	< 0.42 UJ-/+	< 0.59 UJ-/+	< 2 UJ-	< 2.4 UJ-	1.4
SB-15-A	27	0	N	6/19/2004	< 0.98 U	< 1.8 U	< 0.76 U	< 0.98 U	< 0.52 U	< 0.91 U	< 4 U	< 3.3 U	2.0
SB-15-A	27	7	N	6/19/2004	< 0.4 U	< 0.84 U	< 0.34 U	< 0.4 U	< 0.23 U	< 0.37 U	< 1.3 U	< 1.3 U	0.88
SB-17-A	27	0	N	7/7/2004	< 2.4 U	< 0.78 U	< 1.1 U	< 1.1 U	1.1	< 0.36 U	< 2.5 U	17	1.9
SB-17-A	27	7	N	7/7/2004	< 0.44 U	< 0.64 U	< 0.36 U	< 0.42 U	< 0.36 U	< 0.34 U	< 0.92 U	< 3.9 U	0.83
SB-17-A	27	17	N	7/7/2004	< 0.83 U	< 0.8 U	< 0.62 U	< 0.67 U	< 0.27 U	< 0.35 U	< 2.1 U	< 1 U	1
SB-17-A	27	27	N	7/7/2004	< 0.44 U	< 0.83 U	< 0.42 U	< 0.44 U	< 0.28 U	< 0.39 U	< 0.71 U	< 0.7 U	0.9
SB-18-A	27	0	N	6/21/2004	< 0.54 U	< 0.9 U	< 0.44 U	< 0.55 U	< 0.32 U	< 0.46 U	< 2.3 U	< 2.2 U	1.1
SB-18-A	27	7	N	6/21/2004	< 0.47 U	< 0.76 U	< 0.43 U	< 0.48 U	< 0.31 U	< 0.39 U	< 1.8 U	< 1.9 U	0.91
SB-19-A	27	0	N	7/8/2004	27	< 1.5 U	8.8	12	33	0.86	12	2500	24.1
SB-19-A	27	7	N	7/8/2004	< 0.76 U	< 0.56 U	< 0.38 U	< 0.38 U	1.2	< 0.24 U	< 1.1 U	47	0.88
SB-19-A	27	17	N	7/8/2004	< 0.06 U	< 0.11 U	< 0.71 U	< 0.19 U	< 0.049 U	< 0.048 U	< 3.7 U	< 1.6 U	0.34
SB-19-A	27	27	N	7/8/2004	< 0.069 U	< 0.081 U	< 0.077 U	< 0.045 U	< 0.042 U	< 0.045 U	< 0.72 U	< 0.3 U	0.13
WC-AD02	39	0	N	8/3/2006	--	--	--	--	--	--	32	290	1.1

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in pg/g.
-- = no sample data.

TABLE B-6
SOIL ALDEHYDES, GENERAL CHEMISTRY AND IONS DATA
UPPER PONDS SUB-AREA
(Page 1 of 8)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	General Chemistry / Ions										
					Ammonia	Bicarbonate alkalinity	Bromide	Bromine	Carbonate alkalinity	Chlorate	Chloride	Chlorine	Chlorite	Cyanide (Total)	Fluoride
ADB-04	1a	1	N	4/18/1996	--	--	--	--	--	0.064	--	--	--	< 1.1 U	--
ADB-04	1a	5	N	4/18/1996	--	--	--	--	--	0.12	--	--	--	< 1.1 U	--
ADB-05	1a	1	N	4/19/1996	--	--	--	--	--	< 0.051 U	--	--	--	< 1 U	--
B-16	12	2	N	5/19/2000	--	--	--	--	--	--	--	--	--	--	--
B-16	12	5	N	5/19/2000	--	--	--	--	--	--	--	--	--	--	--
BDB-19	6d	1	N	10/13/1999	--	--	--	--	--	--	--	--	--	--	--
BDB-19	1a	1	N	3/25/1996	--	--	--	--	--	0.2	3.8	--	--	< 1 U	--
BDB-19	1a	5	N	3/25/1996	--	--	--	--	--	0.21	30	--	--	< 1 U	--
DBMW-10	46	1	N	6/26/2007	--	--	< 0.065 U	< 5.2 U	--	< 1 U	3.3 J+	6.6 J+	--	--	< 0.26 U
DBMW-10	46	10	N	6/26/2007	--	--	< 0.065 U	< 5.2 U	--	< 1 U	102 J+	204 J+	--	--	< 0.26 U
DBMW-10	46	20	N	6/26/2007	--	--	< 0.065 U	< 5.2 U	--	< 1 U	52.9 J+	106 J+	--	--	< 0.26 U
DBMW-10	46	30	N	6/26/2007	--	--	< 0.066 U	< 5.4 U	--	< 1.1 U	225	450	--	--	< 0.27 U
DBMW-10	46	30	FD	6/26/2007	--	--	< 0.07 U	< 5.6 U	--	1.2 J+	216	432	--	--	< 0.28 U
DBMW-10	46	40	N	6/26/2007	--	--	< 0.066 U	< 5.2 U	--	< 1 U	78 J+	156 J+	--	--	< 0.26 U
DBMW-10	46	50	N	6/26/2007	--	--	< 0.066 U	< 5.2 U	--	< 1.1 U	83.9 J+	168 J+	--	--	0.41 J
DBMW-10	46	60	N	6/27/2007	--	--	< 0.069 U	< 5.6 U	--	< 1.1 U	53.2 J+	106 J+	--	--	< 0.28 U
DBMW-10	46	70	N	7/2/2007	--	--	< 0.089 U	< 7.2 U	--	1.6 J	90.7	181	--	--	0.56 J
DBMW-11	46	1	N	7/5/2007	--	--	< 0.063 U	< 5 U	--	< 1 U	3.7	7.4	--	--	< 0.25 U
DBMW-11	46	10	N	7/5/2007	--	--	< 0.065 U	< 5.2 U	--	5.5 J+	104	208	--	--	1
DBMW-11	46	20	N	7/5/2007	--	--	2 J	4 J	--	8.1 J+	488	976	--	--	< 0.26 U
DBMW-11	46	30	N	7/6/2007	--	--	< 0.07 U	< 5.6 U	--	3.8 J+	197	394	--	--	< 0.28 U
DBMW-11	46	40	N	7/6/2007	--	--	< 0.08 U	< 6.4 U	--	< 1.3 U	92.2	184	--	--	< 0.32 U
DBMW-11	46	50	N	7/6/2007	--	--	< 0.081 U	< 6.4 U	--	1.3 J+	179	358	--	--	< 0.32 U
DBMW-11	46	50	FD	7/6/2007	--	--	< 0.088 U	< 7 U	--	2.8 J+	145	290	--	--	< 0.35 U
DBMW-11	46	60	N	7/6/2007	--	--	< 0.099 U	< 7.8 U	--	3.4 J+	235	470	--	--	< 0.39 U
DBMW-11	46	70	N	7/6/2007	--	--	< 0.082 U	< 6.6 U	--	< 1.3 U	149	298	--	--	< 0.33 U
DBMW-9	46	1	N	6/25/2007	--	--	< 0.064 U	< 5 U	--	< 1 U	2.8	5.6	--	--	< 0.25 U
DBMW-9	46	10	N	6/25/2007	--	--	< 0.064 U	< 5.2 U	--	< 1 U	4.7	9.4	--	--	< 0.26 U
DBMW-9	46	20	N	6/25/2007	--	--	< 0.065 U	< 5.2 U	--	< 1 U	159	318	--	--	< 0.26 U
DBMW-9	46	20	FD	6/25/2007	--	--	< 0.065 U	< 5.2 U	--	< 1 U	167	334	--	--	< 0.26 U
DBMW-9	46	30	N	6/25/2007	--	--	< 0.065 U	< 5.2 U	--	< 1 U	51.2	102	--	--	0.38 J
DBMW-9	46	40	N	6/25/2007	--	--	< 0.065 U	< 5.2 U	--	< 1 U	26	52	--	--	3.2
DBMW-9	46	50	N	6/25/2007	--	--	< 0.079 U	< 6.4 U	--	< 1.3 U	36.7	73.4	--	--	< 0.32 U
DBMW-9	46	60	N	6/25/2007	--	--	< 0.083 U	< 6.6 U	--	< 1.3 U	48.7	97.4	--	--	< 0.33 U
DBMW-9	46	70	N	6/25/2007	--	--	< 0.083 U	< 6.6 U	--	< 1.3 U	85	170	--	--	< 0.33 U
PRSSNP-07	20c	0	N	6/20/2001	--	--	--	--	--	--	--	--	--	< 0.51 U	--
PUH-02	6d	0	N	10/12/1999	--	--	--	--	--	--	--	--	--	--	--
PUH-02	1a	1	N	3/25/1996	--	--	--	--	--	0.02	4.8	--	--	< 1 U	--
PUH-02	1a	5	N	3/25/1996	--	--	--	--	--	< 0.052 U	2.2	--	--	< 1 U	--

TABLE B-6
SOIL ALDEHYDES, GENERAL CHEMISTRY AND IONS DATA
UPPER PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	General Chemistry / Ions										
					Ammonia	Bicarbonate alkalinity	Bromide	Bromine	Carbonate alkalinity	Chlorate	Chloride	Chlorine	Chlorite	Cyanide (Total)	Fluoride
PUH-03	6d	1	N	10/12/1999	--	--	--	--	--	--	--	--	--	--	--
PUH-04	6d	0	N	10/12/1999	--	--	--	--	--	--	--	--	--	--	--
PUH-04NCD	8a	1	N	7/19/2000	--	--	--	--	--	--	--	--	--	--	--
PUH-04NCOM	8a	1	N	7/19/2000	--	--	--	--	--	--	--	--	--	--	--
PUH-04NED	8a	1	N	7/19/2000	--	--	--	--	--	--	--	--	--	--	--
PUH-04NWD	8a	1	N	7/19/2000	--	--	--	--	--	--	--	--	--	--	--
PUH-04SCD	8a	1	N	7/19/2000	--	--	--	--	--	--	--	--	--	--	--
PUH-04SCOM	8a	1	N	7/19/2000	--	--	--	--	--	--	--	--	--	--	--
PUH-04SED	8a	1	N	7/19/2000	--	--	--	--	--	--	--	--	--	--	--
PUH-04SWD	8a	1	N	7/19/2000	--	--	--	--	--	--	--	--	--	--	--
PUH-05	6d	1	N	10/12/1999	--	--	--	--	--	--	--	--	--	--	--
PUH-06	6d	1	N	10/12/1999	--	--	--	--	--	--	--	--	--	--	--
PUI-06	6d	1	N	10/12/1999	--	--	--	--	--	--	--	--	--	--	--
PUI-07	6d	0	N	10/12/1999	--	--	--	--	--	--	--	--	--	--	--
PUI-12	6d	0	N	10/27/1999	--	--	--	--	--	--	--	--	--	--	--
PUJ-02	6d	0	N	10/13/1999	--	--	--	--	--	--	--	--	--	--	--
PUJ-05	6d	1	N	10/12/1999	--	--	--	--	--	--	--	--	--	--	--
PUJ-14	6d	1	N	10/13/1999	--	--	--	--	--	--	--	--	--	--	--
PUJ-14	1a	1	N	3/22/1996	--	--	--	--	--	0.02	3.6	--	--	< 1 U	--
PUJ-14	1a	5	N	3/22/1996	--	--	--	--	--	< 0.053 U	1.1	--	--	< 1.1 U	--
PUK-02	6d	0	N	10/13/1999	--	--	--	--	--	--	--	--	--	--	--
PUK-02	1a	1	N	3/25/1996	--	--	--	--	--	0.01	2.9	--	--	< 1 U	--
PUK-02	1a	5	N	3/25/1996	--	--	--	--	--	< 0.056 U	120	--	--	< 1.1 U	--
PUL-03	6d	0	N	10/13/1999	--	--	--	--	--	--	--	--	--	--	--
PUL-03	1a	1	N	3/25/1996	--	--	--	--	--	0.01	2.8	--	--	< 1 U	--
PUL-03	1a	5	N	3/25/1996	--	--	--	--	--	0.01	2.2	--	--	< 1 U	--
PUL-09	6d	1	N	10/13/1999	--	--	--	--	--	--	--	--	--	--	--
PUL-09	1a	1	N	3/22/1996	--	--	--	--	--	0.17	3.3	--	--	< 1 U	--
PUL-09	1a	5	N	3/22/1996	--	--	--	--	--	0.011	25	--	--	< 1.1 U	--
PUM-06	1a	1	N	3/22/1996	--	--	--	--	--	0.01	6.3	--	--	< 1 U	--
PUM-06	1a	5	N	3/22/1996	--	--	--	--	--	1	110	--	--	< 1.2 U	--
SB-11-B	27	0	N	6/18/2004	< 0.53 U	--	< 2.7 U	--	--	< 2.1 U	7.1	--	--	< 0.53 U	0.32 J
SB-11-B	27	18.5	N	6/18/2004	< 0.57 U	--	< 2.8 U	--	--	< 2.3 U	41.4	--	--	< 0.57 U	5.7
SB-11-B	27	37	N	6/24/2004	< 0.92 U	--	< 4.6 U	--	--	< 3.7 U	392	--	--	< 0.92 U	11.2
SB-11-B	27	52	N	6/24/2004	--	--	--	--	--	--	--	--	--	--	--
SB-11-B	27	57	N	6/24/2004	< 0.89 U	--	< 4.5 U	--	--	9.6	292	--	--	< 0.89 U	9.2
SB-11-B	27	77	N	6/24/2004	< 0.74 U	--	< 3.7 U	--	--	3.2	169	--	--	< 0.74 U	9.9
SB-11-B	27	101.5	N	6/24/2004	--	--	--	--	--	--	--	--	--	--	--
SB-11-B	27	195	N	6/29/2004	--	--	--	--	--	--	--	--	--	--	--

TABLE B-6
SOIL ALDEHYDES, GENERAL CHEMISTRY AND IONS DATA
UPPER PONDS SUB-AREA
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Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	General Chemistry / Ions										
					Ammonia	Bicarbonate alkalinity	Bromide	Bromine	Carbonate alkalinity	Chlorate	Chloride	Chlorine	Chlorite	Cyanide (Total)	Fluoride
SB-11-B	27	234	N	6/29/2004	--	--	--	--	--	--	--	--	--	--	--
SB-15-A	27	0	N	6/19/2004	< 0.52 U	--	< 2.6 U	--	--	< 2.1 U	8.8	--	--	< 0.52 U	0.24 J
SB-15-A	27	7	N	6/19/2004	< 0.53 U	--	2.1 J	--	--	2.5	754	--	--	< 0.53 U	6.9
SB-15-A	27	17	N	6/19/2004	< 0.52 U	--	0.34 J	--	--	1.2 J	195	--	--	< 0.52 U	10.1
SB-15-A	27	27	N	6/19/2004	--	--	--	--	--	--	--	--	--	--	--
SB-15-A	27	47	N	6/19/2004	< 0.86 U	--	< 4.3 U	--	--	32.4	464	--	--	< 0.86 U	10.4
SB-15-A	27	51	N	6/19/2004	--	--	--	--	--	--	--	--	--	--	--
SB-15-A	27	57	N	6/19/2004	< 0.79 U	--	< 4 U	--	--	109	1060	--	--	< 0.79 U	6.6
SB-15-A	27	68	N	6/19/2004	--	--	--	--	--	--	--	--	--	--	--
SB-15-A	27	77	N	6/19/2004	< 0.6 U	--	< 3 U	--	--	7.8	726	--	--	< 0.6 U	2.8
SB-15-A	27	79.5	N	6/19/2004	--	--	--	--	--	--	--	--	--	--	--
SB-17-A	27	0	N	7/7/2004	< 0.51 U	--	< 2.5 U	--	--	< 2 U	11.1	--	--	9.5	< 1 U
SB-17-A	27	7	N	7/7/2004	< 0.51 U	--	< 2.6 U	--	--	< 2.1 UJ-	238 J-	--	--	< 0.51 U	4.1
SB-17-A	27	17	N	7/7/2004	< 0.51 U	--	< 2.6 U	--	--	< 2.1 UJ-	164	--	--	3.3	2.8
SB-17-A	27	27	N	7/7/2004	< 0.64 U	--	< 3.2 U	--	--	< 2.5 UJ-	915 J-	--	--	< 0.64 U	7.5
SB-17-A	27	47	N	7/7/2004	< 0.71 U	--	< 3.6 U	--	--	< 2.9 UJ-	250 J-	--	--	< 0.71 U	11.3
SB-17-A	27	57	N	7/7/2004	< 0.67 U	--	< 3.4 U	--	--	< 2.7 UJ-	424 J-	--	--	< 0.67 U	8.2
SB-17-A	27	77	N	7/7/2004	< 0.52 U	--	< 2.6 U	--	--	< 2.1 UJ-	96.8 J-	--	--	< 0.52 U	2.7
SB-17-A	27	97	N	7/7/2004	< 0.7 U	--	< 3.5 UJ-	--	--	< 2.8 UJ-	997 J-	--	--	1.7	16.7 J-
SB-18-A	27	0	N	6/21/2004	< 0.53 U	--	< 2.7 U	--	--	< 2.1 U	8.9	--	--	< 0.53 U	0.24 J
SB-18-A	27	7	N	6/21/2004	< 0.51 U	--	1.7 J	--	--	4.6	399	--	--	< 0.51 U	1.7
SB-18-A	27	17	N	6/21/2004	< 0.51 U	--	1 J	--	--	6.2	267	--	--	< 0.51 U	1.2
SB-18-A	27	27	N	6/21/2004	< 0.51 U	--	0.43 J	--	--	< 2 U	197	--	--	< 0.51 U	2.2
SB-18-A	27	47	N	6/21/2004	< 0.51 U	--	< 2.6 U	--	--	< 2.1 U	42.9	--	--	< 0.51 U	3.4
SB-18-A	27	77	N	6/21/2004	< 0.87 U	--	< 4.3 U	--	--	5.1	258	--	--	< 0.87 U	13.9
SB-18-A	27	87	N	6/21/2004	< 0.81 U	--	< 4 U	--	--	< 3.2 U	346	--	--	< 0.81 U	6
SB-18-A	27	97	N	6/21/2004	< 0.67 U	--	< 3.4 U	--	--	< 2.7 U	371	--	--	< 0.67 U	4.1
SB-18-A	27	148	N	6/21/2004	--	--	--	--	--	--	--	--	--	--	--
SB-18-A	27	179	N	6/22/2004	--	--	--	--	--	--	--	--	--	--	--
SB-18-A	27	217.5	N	6/22/2004	--	--	--	--	--	--	--	--	--	--	--
SB-19-A	27	0	N	7/8/2004	< 0.51 U	--	< 2.6 UJ-	--	--	< 2.1 UJ-	17.1 J-	--	--	< 0.51 U	0.31 J-
SB-19-A	27	7	N	7/8/2004	< 0.51 U	--	< 2.6 UJ-	--	--	< 2.1 UJ-	36.2 J-	--	--	1	1.8 J-
SB-19-A	27	17	N	7/8/2004	< 0.52 U	--	0.6 J-	--	--	< 2.1 UJ-	411 J-	--	--	< 0.52 U	0.41 J-
SB-19-A	27	27	N	7/8/2004	< 0.52 U	--	< 2.6 UJ-	--	--	< 2.1 UJ-	54.7 J-	--	--	< 0.52 U	3.2 J-
SB-19-A	27	32	N	7/9/2004	--	--	--	--	--	--	--	--	--	--	--
SB-19-A	27	56	N	7/9/2004	--	--	--	--	--	--	--	--	--	--	--
SB-19-A	27	57	N	7/9/2004	< 0.9 U	--	< 4.5 UJ-	--	--	11.2 J-	661 J-	--	--	1.2	6.4 J-
SB-19-A	27	77	N	7/9/2004	< 0.72 U	--	< 3.6 UJ-	--	--	< 2.9 UJ-	903 J-	--	--	< 0.72 U	2.5 J-
SB-19-A	27	80	N	7/9/2004	--	--	--	--	--	--	--	--	--	--	--

TABLE B-6
SOIL ALDEHYDES, GENERAL CHEMISTRY AND IONS DATA
UPPER PONDS SUB-AREA
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Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	General Chemistry / Ions										
					Ammonia	Bicarbonate alkalinity	Bromide	Bromine	Carbonate alkalinity	Chlorate	Chloride	Chlorine	Chlorite	Cyanide (Total)	Fluoride
SB-19-A	27	97	N	7/9/2004	< 0.84 U	--	1.4 J-	--	--	< 3.4 UJ-	2190 J-	--	--	< 0.84 U	11.7 J-
SWB-11	33	0	N	4/12/2005	--	350	--	--	< 25 U	--	14	--	--	--	--
SWB-11	33	5	N	4/12/2005	--	450	--	--	< 25 U	--	156	--	--	--	--
SWB-11	33	10	N	4/12/2005	--	390	--	--	66	--	202	--	--	--	--
SWB-11	33	20	N	4/12/2005	--	640	--	--	< 25 U	--	211	--	--	--	--
SWB-11	33	30	N	4/12/2005	--	770	--	--	< 25 U	--	182	--	--	--	--
SWB-11	33	40	N	4/12/2005	--	410	--	--	< 25 U	--	203	--	--	--	--
WC-AD02	39	0	N	8/3/2006	--	--	--	--	--	--	--	--	--	< 0.12 U	--

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in mg/kg.
-- = no sample data.
Shaded results indicate soil has been excavated and removed.

TABLE B-6
SOIL ALDEHYDES, GENERAL CHEMISTRY AND IONS DATA
UPPER PONDS SUB-AREA
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					General Chemistry / Ions								Aldehydes		
Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Iodide	Nitrate (as N)	Nitrite (as N)	Orthophosphate as P	Perchlorate	Sulfate	Sulfide	Total Kjeldahl Nitrogen (TKN)	Acetaldehyde	Chloroacetaldehyde	Formaldehyde
ADB-04	1a	1	N	4/18/1996	--	--	--	--	--	--	--	--	--	--	--
ADB-04	1a	5	N	4/18/1996	--	--	--	--	--	--	--	--	--	--	--
ADB-05	1a	1	N	4/19/1996	--	--	--	--	--	--	--	--	--	--	--
B-16	12	2	N	5/19/2000	--	--	--	--	0.7	--	--	--	--	--	--
B-16	12	5	N	5/19/2000	--	--	--	--	0.42	--	--	--	--	--	--
BDB-19	6d	1	N	10/13/1999	--	--	--	--	< 0.04 U	--	--	--	--	--	--
BDB-19	1a	1	N	3/25/1996	--	--	--	--	--	--	--	--	--	--	--
BDB-19	1a	5	N	3/25/1996	--	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	1	N	6/26/2007	--	0.79	0.28 J+	< 1.7 U	0.0571 J-	52.8 J+	--	78.9	--	--	--
DBMW-10	46	10	N	6/26/2007	--	3.3	< 0.052 U	< 1.7 U	0.0333 J-	120 J+	--	32.3 J	--	--	--
DBMW-10	46	20	N	6/26/2007	--	2.1	< 0.052 U	< 1.7 U	0.002 J-	15.4 J+	--	21.7 J	--	--	--
DBMW-10	46	30	N	6/26/2007	--	3.2	< 0.053 U	< 1.7 U	1.53 J-	38.2 J+	--	36.3 J	--	--	--
DBMW-10	46	30	FD	6/26/2007	--	3.6	< 0.056 U	< 1.8 U	2.15 J-	34 J+	--	31.6 J	--	--	--
DBMW-10	46	40	N	6/26/2007	--	1.1	0.98 J+	< 1.7 U	0.484 J	86.4 J+	--	22.4 J	--	--	--
DBMW-10	46	50	N	6/26/2007	--	0.86	< 0.053 U	< 1.7 U	0.403 J	82.5 J+	--	27 J	--	--	--
DBMW-10	46	60	N	6/27/2007	--	0.59	< 0.055 U	< 1.8 U	0.103 J+	81.5 J+	--	24.9 J	--	--	--
DBMW-10	46	70	N	7/2/2007	--	2.2	3.9	< 2.3 U	1.08	346	--	105 J-	--	--	--
DBMW-11	46	1	N	7/5/2007	--	1.5	1.6	< 1.6 U	0.356	35.5	--	71.2 J-	--	--	--
DBMW-11	46	10	N	7/5/2007	--	14.9	< 0.52 U	< 1.7 UJ	2.13	88.9	--	< 12.5 UJ	--	--	--
DBMW-11	46	20	N	7/5/2007	--	22.5	8.3	< 1.7 U	1.56	125	--	84 J-	--	--	--
DBMW-11	46	30	N	7/6/2007	--	4.6	< 0.56 U	< 1.8 U	1.45	532 J-	--	69.3	--	--	--
DBMW-11	46	40	N	7/6/2007	--	1.2	5 J+	< 2.1 U	2.74	2010 J-	--	69.9	--	--	--
DBMW-11	46	50	N	7/6/2007	--	0.96 J	4.1 J+	< 2.1 U	2.83	1380 J	--	92.3	--	--	--
DBMW-11	46	50	FD	7/6/2007	--	2.4 J	< 0.7 U	< 2.3 U	3.02	2330 J	--	104	--	--	--
DBMW-11	46	60	N	7/6/2007	--	3.4	10.5 J+	< 2.6 U	4.75	962 J-	--	< 19 U	--	--	--
DBMW-11	46	70	N	7/6/2007	--	0.27	< 0.66 U	< 2.1 U	0.48	1070 J-	--	120	--	--	--
DBMW-9	46	1	N	6/25/2007	--	1.3	0.29 J+	< 1.6 U	0.149 J-	23.4	--	64.7 J+	--	--	--
DBMW-9	46	10	N	6/25/2007	--	0.62	< 0.051 U	< 1.7 U	0.0112 J-	51.9	--	23.5 J+	--	--	--
DBMW-9	46	20	N	6/25/2007	--	5.7	< 0.052 U	< 1.7 U	0.0865 J-	15.3	--	22.5 J+	--	--	--
DBMW-9	46	20	FD	6/25/2007	--	5.6	< 0.052 U	< 1.7 U	0.135 J-	15.7	--	< 12.5 U	--	--	--
DBMW-9	46	30	N	6/25/2007	--	5.6	< 0.052 U	< 1.7 U	0.338 J-	58	--	< 12.5 U	--	--	--
DBMW-9	46	40	N	6/25/2007	--	2.6	0.39 J+	< 1.7 UJ	0.325 J-	130	--	26.8 J-	--	--	--
DBMW-9	46	50	N	6/25/2007	--	1.1	< 0.063 U	< 2 U	0.583 J-	4240	--	41.7 J-	--	--	--
DBMW-9	46	60	N	6/25/2007	--	1.5	< 0.067 U	< 2.2 U	1.05 J-	4300	--	49.7 J-	--	--	--
DBMW-9	46	70	N	6/25/2007	--	2.2	< 0.066 U	< 2.1 U	1.88 J-	3320	--	104 J-	--	--	--
PRSSNP-07	20c	0	N	6/20/2001	--	--	--	--	0.037	--	--	--	--	--	--
PUH-02	6d	0	N	10/12/1999	--	--	--	--	< 0.04 U	--	--	--	--	--	--
PUH-02	1a	1	N	3/25/1996	--	--	--	--	--	--	--	--	--	--	--
PUH-02	1a	5	N	3/25/1996	--	--	--	--	--	--	--	--	--	--	--

TABLE B-6
SOIL ALDEHYDES, GENERAL CHEMISTRY AND IONS DATA
UPPER PONDS SUB-AREA
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					General Chemistry / Ions								Aldehydes		
Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Iodide	Nitrate (as N)	Nitrite (as N)	Orthophosphate as P	Perchlorate	Sulfate	Sulfide	Total Kjeldahl Nitrogen (TKN)	Acetaldehyde	Chloroacetaldehyde	Formaldehyde
PUH-03	6d	1	N	10/12/1999	--	--	--	--	0.068	--	--	--	--	--	--
PUH-04	6d	0	N	10/12/1999	--	--	--	--	0.056	--	--	--	--	--	--
PUH-04NCD	8a	1	N	7/19/2000	--	--	--	--	0.15	--	--	--	--	--	--
PUH-04NCOM	8a	1	N	7/19/2000	--	--	--	--	0.17	--	--	--	--	--	--
PUH-04NED	8a	1	N	7/19/2000	--	--	--	--	0.085	--	--	--	--	--	--
PUH-04NWD	8a	1	N	7/19/2000	--	--	--	--	0.25	--	--	--	--	--	--
PUH-04SCD	8a	1	N	7/19/2000	--	--	--	--	0.92	--	--	--	--	--	--
PUH-04SCOM	8a	1	N	7/19/2000	--	--	--	--	0.5	--	--	--	--	--	--
PUH-04SED	8a	1	N	7/19/2000	--	--	--	--	0.21	--	--	--	--	--	--
PUH-04SWD	8a	1	N	7/19/2000	--	--	--	--	0.64	--	--	--	--	--	--
PUH-05	6d	1	N	10/12/1999	--	--	--	--	0.049	--	--	--	--	--	--
PUH-06	6d	1	N	10/12/1999	--	--	--	--	0.079	--	--	--	--	--	--
PUI-06	6d	1	N	10/12/1999	--	--	--	--	< 0.04 U	--	--	--	--	--	--
PUI-07	6d	0	N	10/12/1999	--	--	--	--	0.07	--	--	--	--	--	--
PUI-12	6d	0	N	10/27/1999	--	--	--	--	0.042	--	--	--	--	--	--
PUJ-02	6d	0	N	10/13/1999	--	--	--	--	< 0.04 U	--	--	--	--	--	--
PUJ-05	6d	1	N	10/12/1999	--	--	--	--	< 0.04 U	--	--	--	--	--	--
PUJ-14	6d	1	N	10/13/1999	--	--	--	--	0.061	--	--	--	--	--	--
PUJ-14	1a	1	N	3/22/1996	--	--	--	--	--	--	--	--	--	--	--
PUJ-14	1a	5	N	3/22/1996	--	--	--	--	--	--	--	--	--	--	--
PUK-02	6d	0	N	10/13/1999	--	--	--	--	< 0.04 U	--	--	--	--	--	--
PUK-02	1a	1	N	3/25/1996	--	--	--	--	--	--	--	--	--	--	--
PUK-02	1a	5	N	3/25/1996	--	--	--	--	--	--	--	--	--	--	--
PUL-03	6d	0	N	10/13/1999	--	--	--	--	0.044	--	--	--	--	--	--
PUL-03	1a	1	N	3/25/1996	--	--	--	--	--	--	--	--	--	--	--
PUL-03	1a	5	N	3/25/1996	--	--	--	--	--	--	--	--	--	--	--
PUL-09	6d	1	N	10/13/1999	--	--	--	--	0.064	--	--	--	--	--	--
PUL-09	1a	1	N	3/22/1996	--	--	--	--	--	--	--	--	--	--	--
PUL-09	1a	5	N	3/22/1996	--	--	--	--	--	--	--	--	--	--	--
PUM-06	1a	1	N	3/22/1996	--	--	--	--	--	--	--	--	--	--	--
PUM-06	1a	5	N	3/22/1996	--	--	--	--	--	--	--	--	--	--	--
SB-11-B	27	0	N	6/18/2004	< 5.3 U	< 0.21 U	< 0.21 U	< 5.3 U	0.059	32	12.8	< 2.7 U	0.048 J-	--	0.5 J-
SB-11-B	27	18.5	N	6/18/2004	< 5.7 U	< 0.23 U	< 0.23 U	< 5.7 U	0.315	222	< 11.3 U	< 2.8 U	< 0.23 UJ-	--	0.2 J-
SB-11-B	27	37	N	6/24/2004	< 9.2 U	< 0.37 U	4.8 J+	< 9.2 U	2.4	2160	< 18.3 U	< 4.6 U	< 0.23 U	--	< 0.11 U
SB-11-B	27	52	N	6/24/2004	--	--	--	--	0.98	--	--	--	< 0.38 UJ-	--	< 0.19 UJ-
SB-11-B	27	57	N	6/24/2004	< 8.9 U	2.9	2.9 J+	< 8.9 U	4.38	1100	< 17.8 U	< 4.5 U	< 0.34 UJ-	--	< 0.17 UJ-
SB-11-B	27	77	N	6/24/2004	< 7.4 U	0.55	2.3 J+	< 7.4 U	1.82	637	< 14.8 U	< 3.7 U	< 0.31 UJ-	--	< 0.16 UJ-
SB-11-B	27	101.5	N	6/24/2004	--	--	--	--	< 0.04 U	--	--	--	--	--	--
SB-11-B	27	195	N	6/29/2004	--	--	--	--	< 0.0045 U	--	--	--	--	--	--

TABLE B-6
SOIL ALDEHYDES, GENERAL CHEMISTRY AND IONS DATA
UPPER PONDS SUB-AREA
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					General Chemistry / Ions								Aldehydes		
Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Iodide	Nitrate (as N)	Nitrite (as N)	Orthophosphate as P	Perchlorate	Sulfate	Sulfide	Total Kjeldahl Nitrogen (TKN)	Acetaldehyde	Chloroacetaldehyde	Formaldehyde
SB-11-B	27	234	N	6/29/2004	--	--	--	--	< 0.0045 U	--	--	--	--	--	--
SB-15-A	27	0	N	6/19/2004	< 5.2 U	< 0.21 U	< 0.21 U	1.6 J	0.189	51.6	< 10.3 U	< 2.6 U	0.048	--	0.26
SB-15-A	27	7	N	6/19/2004	< 5.3 U	33.2	< 2.1 U	< 5.3 U	0.143	237	< 10.6 U	< 2.6 U	0.056	--	0.46
SB-15-A	27	17	N	6/19/2004	< 5.2 U	3.6	1.6	< 5.2 U	0.979	702	< 10.4 U	< 2.6 U	0.052	--	0.68
SB-15-A	27	27	N	6/19/2004	--	--	--	--	1.3	--	--	--	< 0.32 U	--	< 0.16 U
SB-15-A	27	47	N	6/19/2004	< 8.6 U	11.6	3.8	< 8.6 U	2.58	2170	< 17.1 U	< 4.3 U	0.062	--	< 0.16 U
SB-15-A	27	51	N	6/19/2004	--	--	--	--	2.8	--	--	--	< 0.25 U	--	0.2
SB-15-A	27	57	N	6/19/2004	< 7.9 U	14	< 1.6 U	< 7.9 U	5.93	1820	< 15.9 U	< 4 U	--	--	--
SB-15-A	27	68	N	6/19/2004	--	--	--	--	1.5	--	--	--	--	--	--
SB-15-A	27	77	N	6/19/2004	< 6 U	0.9	< 1.2 U	< 6 U	1.49	1430	< 12.1 U	< 3 U	--	--	--
SB-15-A	27	79.5	N	6/19/2004	--	--	--	--	1.2	--	--	--	--	--	--
SB-17-A	27	0	N	7/7/2004	< 5.1 U	1.5	< 0.2 U	< 5.1 U	0.271	360 J-	< 10.1 U	133	< 0.2 U	--	0.11
SB-17-A	27	7	N	7/7/2004	< 5.1 U	0.79	0.49	< 5.1 U	0.068	433 J-	< 10.3 U	86.5	< 0.21 U	--	0.16
SB-17-A	27	17	N	7/7/2004	< 5.1 U	1.1	< 0.21 U	< 5.1 U	< 0.041 U	968	< 10.3 U	66	< 0.21 U	--	0.16
SB-17-A	27	27	N	7/7/2004	< 6.4 U	< 0.25 U	< 0.25 U	198 J	< 0.051 U	24100 J-	< 12.7 U	169	0.038	--	0.18
SB-17-A	27	47	N	7/7/2004	< 7.1 U	7.2	0.77	< 71.4 U	0.175	21300 J-	< 14.3 U	139	< 0.27 U	--	< 0.13 U
SB-17-A	27	57	N	7/7/2004	< 6.7 U	13.1	1	< 67.1 U	0.584	21400 J-	< 13.4 U	285	< 0.26 U	--	< 0.13 U
SB-17-A	27	77	N	7/7/2004	< 5.2 U	< 0.21 U	< 0.21 U	< 5.2 U	1.41	188 J-	< 10.4 U	56.5	< 0.27 U	--	0.094
SB-17-A	27	97	N	7/7/2004	< 7 U	< 0.28 UJ-	< 0.28 UJ-	< 7 UJ-	< 0.056 U	31300 J-	16.9	107	< 0.26 U	--	0.13
SB-18-A	27	0	N	6/21/2004	< 5.3 U	0.53	< 0.21 U	< 5.3 U	0.079	86.1	< 10.7 U	< 2.7 U	< 0.22 U	--	< 0.11 U
SB-18-A	27	7	N	6/21/2004	< 5.1 U	37.6	< 1 U	1.3 J	3.23	1360	< 10.2 U	< 2.6 U	< 0.21 U	--	0.18
SB-18-A	27	17	N	6/21/2004	< 5.1 U	40	2.8	0.87 J	0.585	393	< 10.2 U	< 2.6 U	< 0.21 U	--	0.14
SB-18-A	27	27	N	6/21/2004	< 5.1 U	7.1	2.3	< 5.1 U	0.139	16.5	< 10.2 U	< 2.6 U	< 0.22 U	--	< 0.11 U
SB-18-A	27	47	N	6/21/2004	< 5.1 U	< 0.21 U	< 0.21 U	< 5.1 U	0.164	250	< 10.3 U	< 2.6 U	< 0.22 U	--	< 0.11 U
SB-18-A	27	77	N	6/21/2004	< 8.7 U	5.6	2.5	< 8.7 U	2.17	1290	< 17.4 U	< 4.3 U	< 0.29 U	--	< 0.14 U
SB-18-A	27	87	N	6/21/2004	< 8.1 U	0.92	< 0.32 U	< 8.1 U	0.577	20100	< 16.1 U	< 4 U	< 0.3 U	--	< 0.15 U
SB-18-A	27	97	N	6/21/2004	< 6.7 U	< 0.27 U	< 0.27 U	< 6.7 U	< 0.054 U	17100	< 13.4 U	< 3.4 U	< 0.31 U	--	< 0.15 U
SB-18-A	27	148	N	6/21/2004	--	--	--	--	< 0.02 U	--	--	--	--	--	--
SB-18-A	27	179	N	6/22/2004	--	--	--	--	< 0.02 U	--	--	--	--	--	--
SB-18-A	27	217.5	N	6/22/2004	--	--	--	--	< 0.02 U	--	--	--	--	--	--
SB-19-A	27	0	N	7/8/2004	< 5.1 U	1.9 J-	< 0.21 UJ-	< 5.1 UJ-	0.514	910 J-	< 10.3 U	77.9	< 0.2 U	--	0.34
SB-19-A	27	7	N	7/8/2004	< 5.1 U	7.1 J-	< 0.21 UJ-	0.81 J-	0.849	490 J-	< 10.3 U	55.6	< 0.2 U	--	0.37
SB-19-A	27	17	N	7/8/2004	< 5.2 U	47.7 J-	< 0.21 UJ-	< 5.2 UJ-	0.446 J-	68.8 J-	< 10.5 U	48.7	< 0.2 U	--	0.46
SB-19-A	27	27	N	7/8/2004	< 5.2 U	< 0.21 UJ-	< 0.21 UJ-	< 5.2 UJ-	0.535	352 J-	< 10.3 U	57.4	< 0.21 U	--	0.13
SB-19-A	27	32	N	7/9/2004	--	--	--	--	0.55	--	--	--	< 0.38 U	--	< 0.19 U
SB-19-A	27	56	N	7/9/2004	--	--	--	--	2.78	--	--	--	< 0.28 U	--	0.11
SB-19-A	27	57	N	7/9/2004	< 9 U	16 J-	< 0.36 UJ-	< 9 UJ-	< 0.072 U	4240 J-	< 17.9 U	247	< 0.34 U	--	0.41
SB-19-A	27	77	N	7/9/2004	< 7.2 U	< 0.29 UJ-	< 0.29 UJ-	< 7.2 UJ-	0.146	24000 J-	< 14.3 U	188	--	--	--
SB-19-A	27	80	N	7/9/2004	--	--	--	--	0.039	--	--	--	--	--	--

TABLE B-6
SOIL ALDEHYDES, GENERAL CHEMISTRY AND IONS DATA
UPPER PONDS SUB-AREA
(Page 8 of 8)

					General Chemistry / Ions								Aldehydes		
Sample ID	**Dataset**	**Depth (ft bgs)**	**Sample Type**	**Sample Date**	Iodide	Nitrate (as N)	Nitrite (as N)	Orthophosphate as P	Perchlorate	Sulfate	Sulfide	Total Kjeldahl Nitrogen (TKN)	Acetaldehyde	Chloroacetaldehyde	Formaldehyde
SB-19-A	27	97	N	7/9/2004	< 8.4 U	0.16 J-	< 0.34 UJ-	< 8.4 UJ-	< 0.068 U	10700 J-	< 16.9 U	152	--	--	--
SWB-11	33	0	N	4/12/2005	--	--	--	--	--	--	--	--	--	--	--
SWB-11	33	5	N	4/12/2005	--	--	--	--	--	--	--	--	--	--	--
SWB-11	33	10	N	4/12/2005	--	--	--	--	--	--	--	--	--	--	--
SWB-11	33	20	N	4/12/2005	--	--	--	--	--	--	--	--	--	--	--
SWB-11	33	30	N	4/12/2005	--	--	--	--	--	--	--	--	--	--	--
SWB-11	33	40	N	4/12/2005	--	--	--	--	--	--	--	--	--	--	--
WC-AD02	39	0	N	8/3/2006	--	--	--	--	--	--	--	--	--	--	--

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in mg/kg.
-- = no sample data.
Shaded results indicate soil has been excavated and removed.

TABLE B-7
SOIL ORGANOPHOSPHORUS PESTICIDES DATA
UPPER PONDS SUB-AREA
(Page 1 of 5)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Organophosphorus Pesticides									
					Aspon	Azinphos-ethyl	Azinphos-methyl	Bidrin	Carbophenothion	Carbophenothion-methyl	Chlorfenvinfos	Chloropyrifos-methyl	Chlorpyrifos	Coumaphos
PRSSNP-07	20c	0	N	6/20/2001	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ	--	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ
SB-11-B	27	0	N	6/18/2004	--	< 0.035 UJ-	< 0.014 UJ-	--	< 0.035 UJ-	< 0.035 UJ-	--	--	< 0.014 UJ-	< 0.014 UJ-
SB-11-B	27	18.5	N	6/18/2004	--	< 0.037 UJ-	< 0.015 UJ-	--	< 0.037 UJ-	< 0.037 UJ-	--	--	< 0.015 UJ-	< 0.015 UJ-
SB-11-B	27	37	N	6/24/2004	--	< 0.061 UJ-	< 0.024 UJ-	--	< 0.061 UJ-	< 0.061 UJ-	--	--	< 0.024 UJ-	< 0.024 UJ-
SB-11-B	27	57	N	6/24/2004	--	< 0.059 UJ-	< 0.023 UJ-	--	< 0.059 UJ-	< 0.059 UJ-	--	--	< 0.023 UJ-	< 0.023 UJ-
SB-11-B	27	77	N	6/24/2004	--	< 0.049 UJ-	< 0.019 UJ-	--	< 0.049 UJ-	< 0.049 UJ-	--	--	< 0.019 UJ-	< 0.019 UJ-
SB-15-A	27	47	N	6/19/2004	--	< 0.057 U	< 0.022 U	--	< 0.057 U	< 0.057 U	--	--	< 0.022 U	< 0.022 U
SB-15-A	27	57	N	6/19/2004	--	< 0.052 U	< 0.021 U	--	< 0.052 U	< 0.052 U	--	--	< 0.021 U	< 0.021 U
SB-17-A	27	0	N	7/7/2004	--	< 0.033 U	< 0.013 U	--	< 0.033 U	< 0.033 U	--	--	< 0.013 U	< 0.013 U
SB-17-A	27	7	N	7/7/2004	--	< 0.034 U	< 0.013 U	--	< 0.034 U	< 0.034 U	--	--	< 0.013 U	< 0.013 U
SB-17-A	27	17	N	7/7/2004	--	< 0.034 U	< 0.013 U	--	< 0.034 U	< 0.034 U	--	--	< 0.013 U	< 0.013 U
SB-17-A	27	27	N	7/7/2004	--	< 0.042 U	< 0.017 U	--	< 0.042 U	< 0.042 U	--	--	< 0.017 U	< 0.017 U
SB-17-A	27	47	N	7/7/2004	--	< 0.047 U	< 0.019 U	--	< 0.047 U	< 0.047 U	--	--	< 0.019 U	< 0.019 U
SB-17-A	27	57	N	7/7/2004	--	< 0.044 U	< 0.017 U	--	< 0.044 U	< 0.044 U	--	--	< 0.017 U	< 0.017 U
SB-17-A	27	77	N	7/7/2004	--	< 0.034 U	< 0.014 U	--	< 0.034 U	< 0.034 U	--	--	< 0.014 U	< 0.014 U
SB-17-A	27	97	N	7/7/2004	--	< 0.046 U	< 0.018 U	--	< 0.046 U	< 0.046 U	--	--	< 0.018 U	< 0.018 U
SB-18-A	27	0	N	6/21/2004	--	< 0.035 U	< 0.014 U	--	< 0.035 U	< 0.035 U	--	--	< 0.014 U	< 0.014 U
SB-18-A	27	7	N	6/21/2004	--	< 0.034 U	< 0.013 U	--	< 0.034 U	< 0.034 U	--	--	< 0.013 U	< 0.013 U
SB-18-A	27	17	N	6/21/2004	--	< 0.034 U	< 0.013 U	--	< 0.034 U	< 0.034 U	--	--	< 0.013 U	< 0.013 U
SB-18-A	27	27	N	6/21/2004	--	< 0.034 U	< 0.013 U	--	< 0.034 U	< 0.034 U	--	--	< 0.013 U	< 0.013 U
SB-18-A	27	47	N	6/21/2004	--	< 0.034 U	< 0.013 U	--	< 0.034 U	< 0.034 U	--	--	< 0.013 U	< 0.013 U
SB-18-A	27	77	N	6/21/2004	--	< 0.057 U	< 0.023 U	--	< 0.057 U	< 0.057 U	--	--	< 0.023 U	< 0.023 U
SB-18-A	27	87	N	6/21/2004	--	< 0.053 U	< 0.021 U	--	< 0.053 U	< 0.053 U	--	--	< 0.021 U	< 0.021 U
SB-18-A	27	97	N	6/21/2004	--	< 0.044 U	< 0.017 U	--	< 0.044 U	< 0.044 U	--	--	< 0.017 U	< 0.017 U
SB-19-A	27	0	N	7/8/2004	--	< 0.068 U	< 0.027 U	--	< 0.068 U	< 0.068 U	--	--	0.0043 J	< 0.027 U
SB-19-A	27	7	N	7/8/2004	--	< 0.068 U	< 0.027 U	--	< 0.068 U	< 0.068 U	--	--	< 0.027 U	< 0.027 U
SB-19-A	27	17	N	7/8/2004	--	< 0.069 U	< 0.027 U	--	< 0.069 U	< 0.069 U	--	--	< 0.027 U	< 0.027 U
SB-19-A	27	27	N	7/8/2004	--	< 0.068 U	< 0.027 U	--	< 0.068 U	< 0.068 U	--	--	< 0.027 U	< 0.027 U
SB-19-A	27	57	N	7/9/2004	--	< 0.12 U	< 0.047 U	--	< 0.12 U	< 0.12 U	--	--	< 0.047 U	< 0.047 U
SB-19-A	27	77	N	7/9/2004	--	< 0.094 U	< 0.037 U	--	< 0.094 U	< 0.094 U	--	--	< 0.037 U	< 0.037 U
SB-19-A	27	97	N	7/9/2004	--	< 0.11 U	< 0.044 U	--	< 0.11 U	< 0.11 U	--	--	< 0.044 U	< 0.044 U
WC-AD02	39	0	N	8/3/2006	--	--	--	--	--	--	--	--	--	--

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in mg/kg.
-- = no sample data.

TABLE B-7
SOIL ORGANOPHOSPHORUS PESTICIDES DATA
UPPER PONDS SUB-AREA
(Page 2 of 5)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Organophosphorus Pesticides									
					Crotoxyphos	Demeton-O	Demeton-S	Diazinon	Dichlorfenthion	Dichlorvos	Dimethoate	Dioxathion	Disulfoton	Ethion
PRSSNP-07	20c	0	N	6/20/2001	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ
SB-11-B	27	0	N	6/18/2004	--	< 0.014 UJ-	< 0.014 UJ-	< 0.014 UJ-	--	< 0.014 UJ-	< 0.014 UJ-/+	--	--	--
SB-11-B	27	18.5	N	6/18/2004	--	< 0.015 UJ-	< 0.015 UJ-	< 0.015 UJ-	--	< 0.015 UJ-	< 0.015 UJ-/+	--	< 0.015 UJ-	--
SB-11-B	27	37	N	6/24/2004	--	< 0.024 UJ-	< 0.024 UJ-	< 0.024 UJ-	--	< 0.024 UJ-	< 0.024 UJ-/+	--	< 0.024 UJ-	--
SB-11-B	27	57	N	6/24/2004	--	< 0.023 UJ-	< 0.023 UJ-	< 0.023 UJ-	--	< 0.023 UJ-	< 0.023 UJ-/+	--	< 0.023 UJ-	--
SB-11-B	27	77	N	6/24/2004	--	< 0.019 UJ-	< 0.019 UJ-	< 0.019 UJ-	--	< 0.019 UJ-	< 0.019 UJ-/+	--	< 0.019 UJ-	--
SB-15-A	27	47	N	6/19/2004	--	< 0.022 U	< 0.022 U	< 0.022 U	--	< 0.022 U	< 0.022 U	--	< 0.022 U	--
SB-15-A	27	57	N	6/19/2004	--	< 0.021 U	< 0.021 U	< 0.021 U	--	< 0.021 U	< 0.021 U	--	< 0.021 U	--
SB-17-A	27	0	N	7/7/2004	--	< 0.013 U	< 0.013 U	< 0.013 U	--	< 0.013 U	< 0.013 U	--	< 0.013 U	--
SB-17-A	27	7	N	7/7/2004	--	< 0.013 U	< 0.013 U	< 0.013 U	--	< 0.013 U	< 0.013 U	--	< 0.013 U	--
SB-17-A	27	17	N	7/7/2004	--	< 0.013 U	< 0.013 U	< 0.013 U	--	< 0.013 U	< 0.013 U	--	< 0.013 U	--
SB-17-A	27	27	N	7/7/2004	--	< 0.017 U	< 0.017 U	< 0.017 U	--	< 0.017 U	< 0.017 U	--	< 0.017 U	--
SB-17-A	27	47	N	7/7/2004	--	< 0.019 U	< 0.019 U	< 0.019 U	--	< 0.019 U	< 0.019 U	--	< 0.019 U	--
SB-17-A	27	57	N	7/7/2004	--	< 0.017 U	< 0.017 U	< 0.017 U	--	< 0.017 U	< 0.017 U	--	< 0.017 U	--
SB-17-A	27	77	N	7/7/2004	--	< 0.014 U	< 0.014 U	< 0.014 U	--	< 0.014 U	< 0.014 U	--	< 0.014 U	--
SB-17-A	27	97	N	7/7/2004	--	< 0.018 U	< 0.018 U	< 0.018 U	--	< 0.018 U	< 0.018 U	--	< 0.018 U	--
SB-18-A	27	0	N	6/21/2004	--	< 0.014 U	< 0.014 U	< 0.014 UJ	--	< 0.014 U	< 0.014 U	--	< 0.014 U	--
SB-18-A	27	7	N	6/21/2004	--	< 0.013 U	< 0.013 U	< 0.013 U	--	< 0.013 U	< 0.013 U	--	< 0.013 U	--
SB-18-A	27	17	N	6/21/2004	--	< 0.013 U	< 0.013 U	< 0.013 U	--	< 0.013 U	< 0.013 U	--	< 0.013 U	--
SB-18-A	27	27	N	6/21/2004	--	< 0.013 U	< 0.013 U	< 0.013 U	--	< 0.013 U	< 0.013 U	--	< 0.013 U	--
SB-18-A	27	47	N	6/21/2004	--	< 0.013 U	< 0.013 U	< 0.013 U	--	< 0.013 U	< 0.013 U	--	< 0.013 U	--
SB-18-A	27	77	N	6/21/2004	--	< 0.023 U	< 0.023 U	< 0.023 U	--	< 0.023 U	< 0.023 U	--	< 0.023 U	--
SB-18-A	27	87	N	6/21/2004	--	< 0.021 U	< 0.021 U	< 0.021 U	--	< 0.021 U	< 0.021 U	--	< 0.021 U	--
SB-18-A	27	97	N	6/21/2004	--	< 0.017 U	< 0.017 U	< 0.017 U	--	< 0.017 U	< 0.017 U	--	< 0.017 U	--
SB-19-A	27	0	N	7/8/2004	--	< 0.027 U	< 0.027 U	< 0.027 U	--	0.0082 J	< 0.027 U	--	< 0.027 U	--
SB-19-A	27	7	N	7/8/2004	--	< 0.027 U	< 0.027 U	< 0.027 U	--	0.011 J	< 0.027 U	--	0.0057 J	--
SB-19-A	27	17	N	7/8/2004	--	< 0.027 U	< 0.027 U	< 0.027 U	--	< 0.027 U	< 0.027 U	--	< 0.027 U	--
SB-19-A	27	27	N	7/8/2004	--	< 0.027 U	< 0.027 U	< 0.027 U	--	< 0.027 U	< 0.027 U	--	< 0.027 U	--
SB-19-A	27	57	N	7/9/2004	--	< 0.047 U	< 0.047 U	< 0.047 U	--	< 0.047 U	< 0.047 U	--	< 0.047 U	--
SB-19-A	27	77	N	7/9/2004	--	< 0.037 U	< 0.037 U	< 0.037 U	--	< 0.037 U	< 0.037 U	--	< 0.037 U	--
SB-19-A	27	97	N	7/9/2004	--	< 0.044 U	< 0.044 U	< 0.044 U	--	< 0.044 U	< 0.044 U	--	< 0.044 U	--
WC-AD02	39	0	N	8/3/2006	--	--	--	--	--	--	--	--	< 0.008 U	--

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in mg/kg.
-- = no sample data.

TABLE B-7
SOIL ORGANOPHOSPHORUS PESTICIDES DATA
UPPER PONDS SUB-AREA
(Page 3 of 5)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Organophosphorus Pesticides									
					Ethoprophos	Ethyl p-nitrophenyl phenylphosphorothioate	Famphur	Fensulfothion	Fenthion	Fonofos	Leptophos	Malathion	Merphos	Metathione
PRSSNP-07	20c	0	N	6/20/2001	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ
SB-11-B	27	0	N	6/18/2004	< 0.014 UJ-	< 0.014 UJ-	< 0.014 UJ-	--	< 0.014 UJ-	--	--	< 0.014 UJ-	--	--
SB-11-B	27	18.5	N	6/18/2004	< 0.015 UJ-	< 0.015 UJ-	< 0.015 UJ-	--	< 0.015 UJ-	--	--	< 0.015 UJ-/+	--	--
SB-11-B	27	37	N	6/24/2004	< 0.024 UJ-	< 0.024 UJ-	< 0.024 UJ-	--	< 0.024 UJ-	--	--	< 0.024 UJ-/+	--	--
SB-11-B	27	57	N	6/24/2004	< 0.023 UJ-	< 0.023 UJ-	< 0.023 UJ-	--	< 0.023 UJ-	--	--	< 0.023 UJ-/+	--	--
SB-11-B	27	77	N	6/24/2004	< 0.019 UJ-	< 0.019 UJ-	< 0.019 UJ-	--	< 0.019 UJ-	--	--	< 0.019 UJ-/+	--	--
SB-15-A	27	47	N	6/19/2004	< 0.022 U	< 0.022 U	< 0.022 U	--	< 0.022 U	--	--	< 0.022 U	--	--
SB-15-A	27	57	N	6/19/2004	< 0.021 U	< 0.021 U	< 0.021 U	--	< 0.021 U	--	--	< 0.021 U	--	--
SB-17-A	27	0	N	7/7/2004	< 0.013 U	< 0.013 U	< 0.013 U	--	< 0.013 U	--	--	< 0.013 U	--	--
SB-17-A	27	7	N	7/7/2004	< 0.013 U	< 0.013 U	< 0.013 U	--	< 0.013 U	--	--	< 0.013 U	--	--
SB-17-A	27	17	N	7/7/2004	< 0.013 U	< 0.013 U	< 0.013 U	--	< 0.013 U	--	--	< 0.013 U	--	--
SB-17-A	27	27	N	7/7/2004	< 0.017 U	< 0.017 U	< 0.017 U	--	< 0.017 U	--	--	< 0.017 U	--	--
SB-17-A	27	47	N	7/7/2004	< 0.019 U	< 0.019 U	< 0.019 U	--	< 0.019 U	--	--	< 0.019 U	--	--
SB-17-A	27	57	N	7/7/2004	< 0.017 U	< 0.017 U	< 0.017 U	--	< 0.017 U	--	--	< 0.017 U	--	--
SB-17-A	27	77	N	7/7/2004	< 0.014 U	< 0.014 U	< 0.014 U	--	< 0.014 U	--	--	< 0.014 U	--	--
SB-17-A	27	97	N	7/7/2004	< 0.018 U	< 0.018 U	< 0.018 U	--	< 0.018 U	--	--	< 0.018 U	--	--
SB-18-A	27	0	N	6/21/2004	< 0.014 U	< 0.014 U	< 0.014 U	--	< 0.014 U	--	--	< 0.014 U	--	--
SB-18-A	27	7	N	6/21/2004	< 0.013 U	< 0.013 U	< 0.013 U	--	< 0.013 U	--	--	< 0.013 U	--	--
SB-18-A	27	17	N	6/21/2004	< 0.013 U	< 0.013 U	< 0.013 U	--	< 0.013 U	--	--	< 0.013 U	--	--
SB-18-A	27	27	N	6/21/2004	< 0.013 U	< 0.013 U	< 0.013 U	--	< 0.013 U	--	--	< 0.013 U	--	--
SB-18-A	27	47	N	6/21/2004	< 0.013 U	< 0.013 U	< 0.013 U	--	< 0.013 U	--	--	< 0.013 U	--	--
SB-18-A	27	77	N	6/21/2004	< 0.023 U	< 0.023 U	< 0.023 U	--	< 0.023 U	--	--	< 0.023 U	--	--
SB-18-A	27	87	N	6/21/2004	< 0.021 U	< 0.021 U	< 0.021 U	--	< 0.021 U	--	--	< 0.021 U	--	--
SB-18-A	27	97	N	6/21/2004	< 0.017 U	< 0.017 U	< 0.017 U	--	< 0.017 U	--	--	< 0.017 U	--	--
SB-19-A	27	0	N	7/8/2004	< 0.027 U	< 0.027 U	< 0.027 U	--	< 0.027 U	--	--	< 0.027 U	--	--
SB-19-A	27	7	N	7/8/2004	< 0.027 U	< 0.027 U	< 0.027 U	--	0.0065 J	--	--	0.0075 J	--	--
SB-19-A	27	17	N	7/8/2004	< 0.027 U	< 0.027 U	< 0.027 U	--	< 0.027 U	--	--	< 0.027 U	--	--
SB-19-A	27	27	N	7/8/2004	< 0.027 U	< 0.027 U	< 0.027 U	--	< 0.027 U	--	--	< 0.027 U	--	--
SB-19-A	27	57	N	7/9/2004	< 0.047 U	< 0.047 U	< 0.047 U	--	< 0.047 U	--	--	< 0.047 U	--	--
SB-19-A	27	77	N	7/9/2004	< 0.037 U	< 0.037 U	< 0.037 U	--	< 0.037 U	--	--	< 0.037 U	--	--
SB-19-A	27	97	N	7/9/2004	< 0.044 U	< 0.044 U	< 0.044 U	--	< 0.044 U	--	--	< 0.044 U	--	--
WC-AD02	39	0	N	8/3/2006	--	--	< 0.0033 U	--	--	--	--	--	--	--

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in mg/kg.
-- = no sample data.

TABLE B-7
SOIL ORGANOPHOSPHORUS PESTICIDES DATA
UPPER PONDS SUB-AREA
(Page 4 of 5)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Organophosphorus Pesticides									
					Methyl parathion	Mevinphos	Monocrotophos	Naled	O,O,O-Triethyl phosphorothioate	o,o-Diethyl o-pyrazinyl phosphorothioate	Parathion	Phorate	Phosmet	Phosphamidon
PRSSNP-07	20c	0	N	6/20/2001	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ	--	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ
SB-11-B	27	0	N	6/18/2004	< 0.014 UJ-	< 0.014 UJ-	--	< 0.035 UJ-	< 0.014 UJ-	--	< 0.014 UJ-	< 0.014 UJ-	< 0.071 UJ-	--
SB-11-B	27	18.5	N	6/18/2004	< 0.015 UJ-	--	--	< 0.037 UJ-	< 0.015 UJ-	--	< 0.015 UJ-	< 0.015 UJ-	< 0.076 UJ-	--
SB-11-B	27	37	N	6/24/2004	< 0.024 UJ-	--	--	< 0.061 UJ-	< 0.024 UJ-	--	< 0.024 UJ-	< 0.024 UJ-	< 0.12 UJ-	--
SB-11-B	27	57	N	6/24/2004	< 0.023 UJ-	--	--	< 0.059 UJ-	< 0.023 UJ-	--	< 0.023 UJ-	< 0.023 UJ-	< 0.12 UJ-	--
SB-11-B	27	77	N	6/24/2004	< 0.019 UJ-	--	--	< 0.049 UJ-	< 0.019 UJ-	--	< 0.019 UJ-	< 0.019 UJ-	< 0.099 UJ-	--
SB-15-A	27	47	N	6/19/2004	< 0.022 U	< 0.022 U	--	< 0.057 U	< 0.022 U	--	< 0.022 U	< 0.022 U	< 0.11 U	--
SB-15-A	27	57	N	6/19/2004	< 0.021 U	< 0.021 U	--	< 0.052 U	< 0.021 U	--	< 0.021 U	< 0.021 U	< 0.11 U	--
SB-17-A	27	0	N	7/7/2004	< 0.013 U	< 0.013 U	--	< 0.033 U	< 0.013 U	--	< 0.013 U	< 0.013 U	< 0.068 U	--
SB-17-A	27	7	N	7/7/2004	< 0.013 U	< 0.013 U	--	< 0.034 U	< 0.013 U	--	< 0.013 U	< 0.013 U	< 0.069 U	--
SB-17-A	27	17	N	7/7/2004	< 0.013 U	< 0.013 U	--	< 0.034 U	< 0.013 U	--	< 0.013 U	< 0.013 U	< 0.069 U	--
SB-17-A	27	27	N	7/7/2004	< 0.017 U	< 0.017 U	--	< 0.042 U	< 0.017 U	--	< 0.017 U	< 0.017 U	< 0.085 U	--
SB-17-A	27	47	N	7/7/2004	< 0.019 U	< 0.019 U	--	< 0.047 U	< 0.019 U	--	< 0.019 U	< 0.019 U	< 0.096 U	--
SB-17-A	27	57	N	7/7/2004	< 0.017 U	< 0.017 U	--	< 0.044 U	< 0.017 U	--	< 0.017 U	< 0.017 U	< 0.09 U	--
SB-17-A	27	77	N	7/7/2004	< 0.014 U	< 0.014 U	--	< 0.034 U	< 0.014 U	--	< 0.014 U	< 0.014 U	< 0.07 U	--
SB-17-A	27	97	N	7/7/2004	< 0.018 U	< 0.018 U	--	< 0.046 U	< 0.018 U	--	< 0.018 U	< 0.018 U	< 0.094 U	--
SB-18-A	27	0	N	6/21/2004	< 0.014 U	< 0.014 U	--	< 0.035 U	< 0.014 U	--	< 0.014 UJ-	< 0.014 UJ-	< 0.071 U	--
SB-18-A	27	7	N	6/21/2004	< 0.013 U	< 0.013 U	--	< 0.034 U	< 0.013 U	--	< 0.013 U	< 0.013 U	< 0.068 U	--
SB-18-A	27	17	N	6/21/2004	< 0.013 U	< 0.013 U	--	< 0.034 U	< 0.013 U	--	< 0.013 U	< 0.013 U	< 0.069 U	--
SB-18-A	27	27	N	6/21/2004	< 0.013 U	< 0.013 U	--	< 0.034 U	< 0.013 U	--	< 0.013 U	< 0.013 U	< 0.068 U	--
SB-18-A	27	47	N	6/21/2004	< 0.013 U	< 0.013 U	--	< 0.034 U	< 0.013 U	--	< 0.013 U	< 0.013 U	< 0.069 U	--
SB-18-A	27	77	N	6/21/2004	< 0.023 U	< 0.023 U	--	< 0.057 U	< 0.023 U	--	< 0.023 U	< 0.023 U	< 0.12 U	--
SB-18-A	27	87	N	6/21/2004	< 0.021 U	< 0.021 U	--	< 0.053 U	< 0.021 U	--	< 0.021 U	< 0.021 U	< 0.11 U	--
SB-18-A	27	97	N	6/21/2004	< 0.017 U	< 0.017 U	--	< 0.044 U	< 0.017 U	--	< 0.017 U	< 0.017 U	< 0.09 U	--
SB-19-A	27	0	N	7/8/2004	< 0.027 U	< 0.027 U	--	< 0.068 U	< 0.027 U	--	< 0.027 U	< 0.027 U	< 0.14 U	--
SB-19-A	27	7	N	7/8/2004	< 0.027 U	< 0.027 U	--	< 0.068 U	< 0.027 U	--	< 0.027 U	0.0076 J	< 0.14 U	--
SB-19-A	27	17	N	7/8/2004	< 0.027 U	< 0.027 U	--	< 0.069 U	< 0.027 U	--	< 0.027 U	< 0.027 U	< 0.14 U	--
SB-19-A	27	27	N	7/8/2004	< 0.027 U	< 0.027 U	--	< 0.068 U	< 0.027 U	--	< 0.027 U	< 0.027 U	< 0.14 U	--
SB-19-A	27	57	N	7/9/2004	< 0.047 U	< 0.047 U	--	< 0.12 U	< 0.047 U	--	< 0.047 U	< 0.047 U	< 0.24 U	--
SB-19-A	27	77	N	7/9/2004	< 0.037 U	< 0.037 U	--	< 0.094 U	< 0.037 U	--	< 0.037 U	< 0.037 U	< 0.19 U	--
SB-19-A	27	97	N	7/9/2004	< 0.044 U	< 0.044 U	--	< 0.11 U	< 0.044 U	--	< 0.044 U	< 0.044 U	< 0.23 U	--
WC-AD02	39	0	N	8/3/2006	< 0.0066 U	--	--	--	--	--	< 0.0055 U	< 0.0059 U	--	--

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in mg/kg.
-- = no sample data.

TABLE B-7
SOIL ORGANOPHOSPHORUS PESTICIDES DATA
UPPER PONDS SUB-AREA
(Page 5 of 5)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Organophosphorus Pesticides								
					Ronnel	Sulfotep	Sulprofos	Terbufos	Tetrachlorvinphos (Stirophos)	Tetraethyl pyrophosphite	Tokuthion (Protothiofos)	Trichlorfon	Trichloronate
PRSSNP-07	20c	0	N	6/20/2001	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ	< 0.10215 UJ
SB-11-B	27	0	N	6/18/2004	< 0.071 UJ-	< 0.014 UJ-	--	--	< 0.014 UJ-	--	--	--	--
SB-11-B	27	18.5	N	6/18/2004	< 0.076 UJ-	< 0.015 UJ-	--	--	< 0.015 UJ-	--	--	--	--
SB-11-B	27	37	N	6/24/2004	< 0.12 UJ-	< 0.024 UJ-	--	--	< 0.024 UJ-	--	--	--	--
SB-11-B	27	57	N	6/24/2004	< 0.12 UJ-	< 0.023 UJ-	--	--	< 0.023 UJ-	--	--	--	--
SB-11-B	27	77	N	6/24/2004	< 0.099 UJ-	< 0.019 UJ-	--	--	< 0.019 UJ-	--	--	--	--
SB-15-A	27	47	N	6/19/2004	< 0.11 U	< 0.022 U	--	--	< 0.022 U	--	--	--	--
SB-15-A	27	57	N	6/19/2004	< 0.11 U	< 0.021 U	--	--	< 0.021 U	--	--	--	--
SB-17-A	27	0	N	7/7/2004	< 0.068 U	< 0.013 U	--	--	< 0.013 U	--	--	--	--
SB-17-A	27	7	N	7/7/2004	< 0.069 U	< 0.013 U	--	--	< 0.013 U	--	--	--	--
SB-17-A	27	17	N	7/7/2004	< 0.069 U	< 0.013 U	--	--	< 0.013 U	--	--	--	--
SB-17-A	27	27	N	7/7/2004	< 0.085 U	< 0.017 U	--	--	< 0.017 U	--	--	--	--
SB-17-A	27	47	N	7/7/2004	< 0.096 U	< 0.019 U	--	--	< 0.019 U	--	--	--	--
SB-17-A	27	57	N	7/7/2004	< 0.09 U	< 0.017 U	--	--	< 0.017 U	--	--	--	--
SB-17-A	27	77	N	7/7/2004	< 0.07 U	< 0.014 U	--	--	< 0.014 U	--	--	--	--
SB-17-A	27	97	N	7/7/2004	< 0.094 U	< 0.018 U	--	--	< 0.018 U	--	--	--	--
SB-18-A	27	0	N	6/21/2004	< 0.071 U	< 0.014 U	--	--	< 0.014 U	--	--	--	--
SB-18-A	27	7	N	6/21/2004	< 0.068 U	< 0.013 U	--	--	< 0.013 U	--	--	--	--
SB-18-A	27	17	N	6/21/2004	< 0.069 U	< 0.013 U	--	--	< 0.013 U	--	--	--	--
SB-18-A	27	27	N	6/21/2004	< 0.068 U	< 0.013 U	--	--	< 0.013 U	--	--	--	--
SB-18-A	27	47	N	6/21/2004	< 0.069 U	< 0.013 U	--	--	< 0.013 U	--	--	--	--
SB-18-A	27	77	N	6/21/2004	< 0.12 U	< 0.023 U	--	--	< 0.023 U	--	--	--	--
SB-18-A	27	87	N	6/21/2004	< 0.11 U	< 0.021 U	--	--	< 0.021 U	--	--	--	--
SB-18-A	27	97	N	6/21/2004	< 0.09 U	< 0.017 U	--	--	< 0.017 U	--	--	--	--
SB-19-A	27	0	N	7/8/2004	< 0.14 U	0.0058 J	--	--	< 0.027 U	--	--	--	--
SB-19-A	27	7	N	7/8/2004	0.0058 J	0.0042 J	--	--	< 0.027 U	--	--	--	--
SB-19-A	27	17	N	7/8/2004	< 0.14 U	< 0.027 U	--	--	< 0.027 U	--	--	--	--
SB-19-A	27	27	N	7/8/2004	< 0.14 U	< 0.027 U	--	--	< 0.027 U	--	--	--	--
SB-19-A	27	57	N	7/9/2004	< 0.24 U	< 0.047 U	--	--	< 0.047 U	--	--	--	--
SB-19-A	27	77	N	7/9/2004	< 0.19 U	< 0.037 U	--	--	< 0.037 U	--	--	--	--
SB-19-A	27	97	N	7/9/2004	< 0.23 U	< 0.044 U	--	--	< 0.044 U	--	--	--	--
WC-AD02	39	0	N	8/3/2006	--	--	--	--	--	--	--	--	--

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in mg/kg.
-- = no sample data.

TABLE B-8
SOIL POLYCHLORINATED BIPHENYLS (PCBs) DATA
UPPER PONDS SUB-AREA
(Page 1 of 2)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Polychlorinated Biphenyls (PCBs)						
					Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
ADB-04	1a	1	N	4/18/1996	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U
ADB-04	1a	5	N	4/18/1996	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U
ADB-05	1a	1	N	4/19/1996	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	0.063
BDB-19	1a	1	N	3/25/1996	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U
BDB-19	1a	5	N	3/25/1996	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U
CSPUO-07NC	7b	1	N	4/27/2000	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	0.034 J-	< 0.02 UJ
CSPUO-07NE	7b	1	N	4/27/2000	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	0.68 J-/J+	< 0.02 UJ
CSPUO-07NE2	7b	1	N	5/16/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
CSPUO-07SC	7b	1	N	4/27/2000	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ
CSPUO-07SE	7b	1	N	4/27/2000	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ
CSPUO-07SW	7b	1	N	4/27/2000	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	0.03 J-/J+	< 0.02 UJ
CSPUO-07SW2	7b	1	N	5/16/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	0.03	< 0.02 U
CSPUP-08SC	7b	1	N	4/28/2000	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	0.059 J-/J+	< 0.02 UJ
CSPUP-08SE	7b	1	N	4/28/2000	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	0.048 J-/J+	< 0.02 UJ
PRSSNP-07	20c	0	N	6/20/2001	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U
PUH-02	1a	1	N	3/25/1996	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U
PUH-02	1a	5	N	3/25/1996	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U
PUJ-14	1a	1	N	3/22/1996	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U
PUJ-14	1a	5	N	3/22/1996	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U
PUK-02	1a	1	N	3/25/1996	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U
PUK-02	1a	5	N	3/25/1996	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U
PUL-03	1a	1	N	3/25/1996	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U
PUL-03	1a	5	N	3/25/1996	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U
PUL-09	1a	1	N	3/22/1996	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U
PUL-09	1a	5	N	3/22/1996	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U
PUM-06	1a	1	N	3/22/1996	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U
PUM-06	1a	5	N	3/22/1996	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U
PUO-07BSSE	7d	0.5	N	3/24/2000	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	11 J-/J+	< 0.02 UJ
PUO-07BSSE	7d	1.5	N	3/24/2000	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ
PUO-07BSSW	7d	0.5	N	3/24/2000	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	1.4 J-/J+	< 0.02 UJ
PUO-07BSSW	7d	1.5	N	3/24/2000	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ
SB-11-B	27	0	N	6/18/2004	< 0.035 UJ-	< 0.035 UJ-	< 0.035 UJ-	< 0.035 UJ-	< 0.035 UJ-	< 0.035 UJ-	< 0.035 UJ-
SB-11-B	27	18.5	N	6/18/2004	< 0.037 UJ-	< 0.037 UJ-	< 0.037 UJ-	< 0.037 UJ-	< 0.037 UJ-	< 0.037 UJ-	< 0.037 UJ-
SB-11-B	27	37	N	6/24/2004	< 0.061 UJ-	< 0.061 UJ-	< 0.061 UJ-	< 0.061 UJ-	< 0.061 UJ-	< 0.061 UJ-	< 0.061 UJ-
SB-11-B	27	57	N	6/24/2004	< 0.059 UJ-	< 0.059 UJ-	< 0.059 UJ-	< 0.059 UJ-	< 0.059 UJ-	< 0.059 UJ-	< 0.059 UJ-
SB-11-B	27	77	N	6/24/2004	< 0.049 UJ-	< 0.049 UJ-	< 0.049 UJ-	< 0.049 UJ-	< 0.049 UJ-	< 0.049 UJ-	< 0.049 UJ-
SB-15-A	27	0	N	6/19/2004	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U
SB-15-A	27	7	N	6/19/2004	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U
SB-15-A	27	17	N	6/19/2004	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U

TABLE B-8
SOIL POLYCHLORINATED BIPHENYLS (PCBs) DATA
UPPER PONDS SUB-AREA
(Page 2 of 2)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Polychlorinated Biphenyls (PCBs)						
					Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
SB-15-A	27	47	N	6/19/2004	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U
SB-15-A	27	57	N	6/19/2004	< 0.052 U	< 0.052 U	< 0.052 U	< 0.052 U	< 0.052 U	< 0.052 U	< 0.052 U
SB-15-A	27	77	N	6/19/2004	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U
SB-17-A	27	0	N	7/7/2004	< 0.033 U	< 0.033 U	< 0.033 U	< 0.033 U	< 0.033 U	< 0.033 U	< 0.033 U
SB-17-A	27	7	N	7/7/2004	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U
SB-17-A	27	17	N	7/7/2004	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U
SB-17-A	27	27	N	7/7/2004	< 0.042 U	< 0.042 U	< 0.042 U	< 0.042 U	< 0.042 U	< 0.042 U	< 0.042 U
SB-17-A	27	47	N	7/7/2004	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U
SB-17-A	27	57	N	7/7/2004	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U
SB-17-A	27	77	N	7/7/2004	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U
SB-17-A	27	97	N	7/7/2004	< 0.046 U	< 0.046 U	< 0.046 U	< 0.046 U	< 0.046 U	< 0.046 U	< 0.046 U
SB-18-A	27	0	N	6/21/2004	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U
SB-18-A	27	7	N	6/21/2004	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U
SB-18-A	27	17	N	6/21/2004	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U
SB-18-A	27	27	N	6/21/2004	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U
SB-18-A	27	47	N	6/21/2004	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U
SB-18-A	27	77	N	6/21/2004	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U
SB-18-A	27	87	N	6/21/2004	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U
SB-18-A	27	97	N	6/21/2004	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U
SB-19-A	27	0	N	7/8/2004	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U
SB-19-A	27	7	N	7/8/2004	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U
SB-19-A	27	17	N	7/8/2004	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U
SB-19-A	27	27	N	7/8/2004	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U
SB-19-A	27	57	N	7/9/2004	< 0.059 U	< 0.059 U	< 0.059 U	< 0.059 U	< 0.059 U	< 0.059 U	< 0.059 U
SB-19-A	27	77	N	7/9/2004	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U
SB-19-A	27	97	N	7/9/2004	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in mg/kg.
-- = no sample data.
Shaded results indicate soil has been excavated and removed.

TABLE B-9
SOIL RADIONUCLIDES DATA
UPPER PONDS SUB-AREA
(Page 1 of 6)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Radionuclides									
					Actinium-228	Bismuth-210	Bismuth-212	Bismuth-214	Cobalt-57	Cobalt-60	Gross alpha	Gross beta	Lead-210	Lead-212
DBMW-10	46	1	N	6/26/2007	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	10	N	6/26/2007	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	20	N	6/26/2007	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	30	N	6/26/2007	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	30	FD	6/26/2007	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	40	N	6/26/2007	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	50	N	6/26/2007	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	60	N	6/27/2007	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	70	N	7/2/2007	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	1	N	7/5/2007	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	10	N	7/5/2007	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	20	N	7/5/2007	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	30	N	7/6/2007	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	40	N	7/6/2007	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	50	N	7/6/2007	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	50	FD	7/6/2007	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	60	N	7/6/2007	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	70	N	7/6/2007	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	1	N	6/25/2007	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	10	N	6/25/2007	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	20	N	6/25/2007	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	20	FD	6/25/2007	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	30	N	6/25/2007	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	40	N	6/25/2007	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	50	N	6/25/2007	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	60	N	6/25/2007	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	70	N	6/25/2007	--	--	--	--	--	--	--	--	--	--
PUH-02	6d	0	N	10/12/1999	--	--	--	--	--	--	--	--	--	--
PUH-04	6d	0	N	10/12/1999	--	--	--	--	--	--	--	--	--	--
PUI-07	6d	0	N	10/12/1999	--	--	--	--	--	--	--	--	--	--
PUI-12	6d	0	N	10/27/1999	--	--	--	--	--	--	--	--	--	--
PUJ-02	6d	0	N	10/13/1999	--	--	--	--	--	--	--	--	--	--
PUK-02	6d	0	N	10/13/1999	--	--	--	--	--	--	--	--	--	--
PUL-03	6d	0	N	10/13/1999	--	--	--	--	--	--	--	--	--	--
SB-11-B	27	0	N	6/18/2004	1.79	< 1.1 U	< 0.82 U	0.8	< 0.041 U	< 0.083 U	20.7	< 8.1 U	< 1.1 U	1.27
SB-11-B	27	18.5	N	6/18/2004	< 0.29 U	< 1.8 U	1.05	< 0.16 U	< 0.047 U	< 0.12 U	30.3	39.6	< 1.8 U	< 0.16 U
SB-11-B	27	37	N	6/24/2004	< 1.7 U	8.4	< 2.1 U	6.6	< 0.12 U	< 0.31 U	39	42.8	8.4	< 0.33 U
SB-11-B	27	57	N	6/24/2004	< 1.4 U	10.2	< 2 U	< 0.43 U	< 0.096 U	< 0.29 U	50	50	10.2	< 0.28 U
SB-11-B	27	77	N	6/24/2004	< 0.85 U	11.3	< 1.5 U	8.6	< 0.1 U	< 0.2 U	103	66	11.3	< 0.33 U

TABLE B-9
SOIL RADIONUCLIDES DATA
UPPER PONDS SUB-AREA
(Page 2 of 6)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Radionuclides									
					Actinium-228	Bismuth-210	Bismuth-212	Bismuth-214	Cobalt-57	Cobalt-60	Gross alpha	Gross beta	Lead-210	Lead-212
SB-15-A	27	0	N	6/19/2004	1.72	< 1.9 U	0.83	0.68	< 0.051 U	< 0.11 U	35.2	40.5	< 1.9 U	1.64
SB-15-A	27	7	N	6/19/2004	1.63	< 2.1 U	1.32	1.12	< 0.049 U	< 0.11 U	30.4	36.5	< 2.1 U	1.32
SB-15-A	27	17	N	6/19/2004	1.74	< 2.4 U	< 1.2 U	1.12	< 0.06 U	< 0.11 U	29.8	40.3	< 2.4 U	1.53
SB-15-A	27	47	N	6/19/2004	< 1 U	8.6	< 2 U	6	< 0.11 U	< 0.28 U	53	34.9	8.6	0.77
SB-15-A	27	57	N	6/19/2004	1.3	< 5.1 U	< 1.8 U	1.95	< 0.084 U	< 0.15 U	31	37.5	< 5.1 U	1.1
SB-15-A	27	77	N	6/19/2004	1.79	< 3.1 U	< 1.3 U	1.27	< 0.063 U	< 0.15 U	21.3	45.7	< 3.1 U	0.93
SB-17-A	27	0	N	7/7/2004	1.83	< 2.3 U	< 0.76 U	1.1	< 0.052 U	< 0.13 U	< 9.2 U	38.6	< 2.3 U	1.38
SB-17-A	27	7	N	7/7/2004	1.73	< 1.8 U	< 0.7 U	0.68	< 0.047 U	< 0.11 U	< 7.3 U	36.4	< 1.8 U	1.38
SB-17-A	27	17	N	7/7/2004	1.24	< 3.1 U	< 1.2 U	0.95	< 0.057 U	< 0.11 U	41.2	37.3	< 3.1 U	1.34
SB-17-A	27	27	N	7/7/2004	< 0.91 U	< 3.8 U	< 1.3 U	2.35	< 0.069 U	< 0.14 U	< 7.6 U	28.5	< 3.8 U	0.79
SB-17-A	27	47	N	7/7/2004	< 0.9 U	< 3.1 U	< 1.3 U	2.38	< 0.077 U	< 0.16 U	< 8.1 U	23.1	< 3.1 U	0.45
SB-17-A	27	57	N	7/7/2004	< 0.65 U	< 3.9 U	< 1.2 U	2.12	< 0.065 U	< 0.18 U	< 8.6 U	< 5.6 U	< 3.9 U	0.3
SB-17-A	27	77	N	7/7/2004	1.54	< 3.8 U	1.56	1.18	< 0.056 U	< 0.13 U	42.3	43.1	< 3.8 U	1.61
SB-17-A	27	97	N	7/7/2004	< 0.7 U	< 3.6 U	< 1.2 U	1.89	< 0.055 U	< 0.13 U	< 7.2 U	31.9	< 3.6 U	0.44
SB-18-A	27	0	N	6/21/2004	1.54	< 2.4 U	< 1 U	0.78	< 0.051 U	< 0.14 U	25.4	44.2	< 2.4 U	1.3
SB-18-A	27	7	N	6/21/2004	1.77	< 2 U	1.21	0.86	< 0.045 U	< 0.099 U	28.7	47	< 2 U	1.14
SB-18-A	27	17	N	6/21/2004	1.66	< 2.8 U	0.92	0.78	< 0.05 U	< 0.12 U	29	46.1	< 2.8 U	1.35
SB-18-A	27	27	N	6/21/2004	1.12	< 2.2 U	< 1.1 U	0.87	< 0.055 U	< 0.11 U	35.5	41.8	< 2.2 U	0.98
SB-18-A	27	47	N	6/21/2004	1.13	< 2.3 U	< 1 U	0.97	< 0.043 U	< 0.12 U	24.8	42.3	< 2.3 U	1.18
SB-18-A	27	77	N	6/21/2004	1.15	5.4	< 1.2 U	4.09	< 0.061 U	< 0.16 U	57	52.3	5.4	1.01
SB-18-A	27	87	N	6/21/2004	1.28	< 5.7 U	< 1.7 U	1.13	< 0.075 U	< 0.2 U	18.3	33.9	< 5.7 U	1.09
SB-18-A	27	97	N	6/21/2004	< 0.93 U	< 4.7 U	< 1.5 U	2.55	< 0.069 U	< 0.11 U	30.9	31.6	< 4.7 U	0.54
SB-19-A	27	0	N	7/8/2004	1.43	< 2.2 U	< 1 U	0.87	< 0.052 U	< 0.1 U	< 7 U	40.9	< 2.2 U	1.35
SB-19-A	27	7	N	7/8/2004	1.68	< 2.3 U	1.2	0.77	< 0.053 U	< 0.13 U	< 5.4 U	46.9	< 2.3 U	1.35
SB-19-A	27	17	N	7/8/2004	1.88	< 2.7 U	< 1 U	1.35	< 0.055 U	< 0.15 U	< 4.9 U	45.4	< 2.7 U	1.54
SB-19-A	27	27	N	7/8/2004	1.77	< 2.1 U	1.26	0.98	< 0.045 U	< 0.11 U	< 5 U	46.2	< 2.1 U	1.42
SB-19-A	27	57	N	7/9/2004	< 1.5 U	< 6.1 U	< 1.6 U	1.92	< 0.097 U	< 0.18 U	35.4	35.6	< 6.1 U	1.08
SB-19-A	27	77	N	7/9/2004	1.57	< 3.9 U	< 1.5 U	1.07	< 0.07 U	< 0.22 U	31.3	34.9	< 3.9 U	1.14
SB-19-A	27	97	N	7/9/2004	1.6	2.3	< 1.3 U	2.74	< 0.061 U	< 0.18 U	36.8	47.1	2.3	1.26

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in pCi/g.
-- = no sample data.
Shaded results indicate soil has been excavated and removed.

TABLE B-9
SOIL RADIONUCLIDES DATA
UPPER PONDS SUB-AREA
(Page 3 of 6)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Radionuclides									
					Lead-214	Polonium-210	Polonium-212	Polonium-214	Polonium-216	Polonium-218	Potassium-40	Protactinium-234	Radium-223	Radium-224
DBMW-10	46	1	N	6/26/2007	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	10	N	6/26/2007	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	20	N	6/26/2007	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	30	N	6/26/2007	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	30	FD	6/26/2007	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	40	N	6/26/2007	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	50	N	6/26/2007	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	60	N	6/27/2007	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	70	N	7/2/2007	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	1	N	7/5/2007	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	10	N	7/5/2007	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	20	N	7/5/2007	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	30	N	7/6/2007	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	40	N	7/6/2007	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	50	N	7/6/2007	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	50	FD	7/6/2007	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	60	N	7/6/2007	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	70	N	7/6/2007	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	1	N	6/25/2007	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	10	N	6/25/2007	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	20	N	6/25/2007	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	20	FD	6/25/2007	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	30	N	6/25/2007	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	40	N	6/25/2007	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	50	N	6/25/2007	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	60	N	6/25/2007	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	70	N	6/25/2007	--	--	--	--	--	--	--	--	--	--
PUH-02	6d	0	N	10/12/1999	--	--	--	--	--	--	--	--	--	--
PUH-04	6d	0	N	10/12/1999	--	--	--	--	--	--	--	--	--	--
PUI-07	6d	0	N	10/12/1999	--	--	--	--	--	--	--	--	--	--
PUI-12	6d	0	N	10/27/1999	--	--	--	--	--	--	--	--	--	--
PUJ-02	6d	0	N	10/13/1999	--	--	--	--	--	--	--	--	--	--
PUK-02	6d	0	N	10/13/1999	--	--	--	--	--	--	--	--	--	--
PUL-03	6d	0	N	10/13/1999	--	--	--	--	--	--	--	--	--	--
SB-11-B	27	0	N	6/18/2004	0.75	< 1.1 U	< 0.53 U	0.8	2.98	1.3	25.8	< 0.2 U	< 0.72 U	3
SB-11-B	27	18.5	N	6/18/2004	< 0.14 U	< 1.8 U	0.67	< 0.16 U	< 1.9 U	1.19	< 0.9 U	< 0.23 U	< 0.79 U	< 1.9 U
SB-11-B	27	37	N	6/24/2004	6.4	8.4	< 1.4 U	6.6	< 6.9 U	8.6	< 2 U	< 0.63 U	< 2.1 U	< 6.9 U
SB-11-B	27	57	N	6/24/2004	5.08	10.2	< 1.3 U	< 0.43 U	< 5 U	4.6	< 2.6 U	< 0.43 U	< 1.8 U	< 5 U
SB-11-B	27	77	N	6/24/2004	9.6	11.3	< 0.94 U	8.6	< 5.4 U	7.46	< 1.6 U	< 0.5 U	< 1.9 U	< 5.4 U

TABLE B-9
SOIL RADIONUCLIDES DATA
UPPER PONDS SUB-AREA
(Page 4 of 6)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Radionuclides									
					Lead-214	Polonium-210	Polonium-212	Polonium-214	Polonium-216	Polonium-218	Potassium-40	Protactinium-234	Radium-223	Radium-224
SB-15-A	27	0	N	6/19/2004	0.77	< 1.9 U	0.53	0.68	5.1	1.31	27.7	< 0.23 U	< 0.83 U	5.1
SB-15-A	27	7	N	6/19/2004	0.87	< 2.1 U	0.84	1.12	5.2	0.92	22.5	< 0.23 U	< 0.91 U	5.2
SB-15-A	27	17	N	6/19/2004	1.19	< 2.4 U	< 0.75 U	1.12	3.4	1.34	30.7	< 0.28 U	< 1.1 U	3.4
SB-15-A	27	47	N	6/19/2004	5.57	8.6	< 1.3 U	5.96	11.6	5.78	12	< 0.41 U	< 1.8 U	11.6
SB-15-A	27	57	N	6/19/2004	1.96	< 5.1 U	< 1.1 U	1.95	4	1.58	17.6	< 0.4 U	< 1.4 U	4
SB-15-A	27	77	N	6/19/2004	1.18	< 3.1 U	< 0.85 U	1.27	< 2.4 U	1.35	22.2	< 0.28 U	< 1 U	< 2.4 U
SB-17-A	27	0	N	7/7/2004	0.92	< 2.3 U	< 0.49 U	1.1	2.3	0.85	29.4	< 0.27 U	< 0.98 U	2.3
SB-17-A	27	7	N	7/7/2004	0.83	< 1.8 U	< 0.45 U	0.68	2.76	0.87	26.4	< 0.2 U	< 0.8 U	2.8
SB-17-A	27	17	N	7/7/2004	0.93	< 3.1 U	< 0.78 U	0.95	3.4	1.16	31.3	< 0.24 U	< 0.93 U	3.4
SB-17-A	27	27	N	7/7/2004	2.27	< 3.8 U	< 0.84 U	2.35	6.2	2.65	18	< 0.33 U	< 1.2 U	6.2
SB-17-A	27	47	N	7/7/2004	2.89	< 3.1 U	< 0.84 U	2.38	5	2.93	10.5	< 0.33 U	< 1.3 U	5
SB-17-A	27	57	N	7/7/2004	2.49	< 3.9 U	< 0.78 U	2.12	3.9	2.8	5.6	< 0.36 U	< 1.2 U	3.9
SB-17-A	27	77	N	7/7/2004	1.72	< 3.8 U	1	1.18	3.6	1.37	33.1	< 0.29 U	< 1 U	3.6
SB-17-A	27	97	N	7/7/2004	1.91	< 3.6 U	< 0.76 U	1.89	4.8	2.71	9.2	< 0.3 U	< 1.1 U	4.8
SB-18-A	27	0	N	6/21/2004	0.97	< 2.4 U	< 0.64 U	0.78	2.11	0.76	37	< 0.28 U	< 0.9 U	2.1
SB-18-A	27	7	N	6/21/2004	0.72	< 2 U	0.78	0.86	3.1	0.93	28	< 0.22 U	< 0.79 U	3.1
SB-18-A	27	17	N	6/21/2004	0.84	< 2.8 U	0.59	0.78	2.8	1.41	30	< 0.27 U	< 0.94 U	2.8
SB-18-A	27	27	N	6/21/2004	0.94	< 2.2 U	< 0.71 U	0.87	2.7	0.93	30.4	< 0.27 U	< 0.9 U	2.7
SB-18-A	27	47	N	6/21/2004	1	< 2.3 U	< 0.67 U	0.97	3.14	1.11	28.3	< 0.23 U	< 0.81 U	3.1
SB-18-A	27	77	N	6/21/2004	4.35	5.4	< 0.79 U	4.09	7.1	4.46	23.5	< 0.32 U	< 1.2 U	7.1
SB-18-A	27	87	N	6/21/2004	1.18	< 5.7 U	< 1.1 U	1.13	< 2.9 U	1.37	20.1	< 0.39 U	< 1.6 U	< 2.9 U
SB-18-A	27	97	N	6/21/2004	2.69	< 4.7 U	< 0.95 U	2.55	4.5	2.59	11.9	< 0.38 U	< 1.4 U	4.5
SB-19-A	27	0	N	7/8/2004	0.82	< 2.2 U	< 0.64 U	0.87	2.26	1.08	28.1	< 0.25 U	< 0.92 U	2.3
SB-19-A	27	7	N	7/8/2004	1.11	< 2.3 U	0.77	0.77	7.5	1.14	27.7	< 0.24 U	< 0.95 U	7.5
SB-19-A	27	17	N	7/8/2004	1.25	< 2.7 U	< 0.67 U	1.35	2.49	1.13	35.8	< 0.26 U	< 1 U	2.5
SB-19-A	27	27	N	7/8/2004	1.16	< 2.1 U	0.81	0.98	4.7	1.4	29.7	< 0.23 U	< 0.81 U	4.7
SB-19-A	27	57	N	7/9/2004	1.96	< 6.1 U	< 1 U	1.92	< 3.5 U	2.02	16.1	< 0.35 U	< 1.6 U	< 3.5 U
SB-19-A	27	77	N	7/9/2004	1.39	< 3.9 U	< 0.94 U	1.07	6.7	2.21	26.1	< 0.36 U	< 1.2 U	6.7
SB-19-A	27	97	N	7/9/2004	2.78	2.3	< 0.85 U	2.74	9.3	3.76	29.4	< 0.32 U	< 1.1 U	9.3

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in pCi/g.
-- = no sample data.
Shaded results indicate soil has been excavated and removed.

TABLE B-9
SOIL RADIONUCLIDES DATA
UPPER PONDS SUB-AREA
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Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Radionuclides									
					Radium-226	Radium-228	Thallium-208	Thorium-228	Thorium-230	Thorium-232	Thorium-234	Uranium-233/234	Uranium-235/236	Uranium-238
DBMW-10	46	1	N	6/26/2007	0.893	1.47	--	1.58	0.954	1.46	--	0.53 J	0.0286 J	0.387 J
DBMW-10	46	10	N	6/26/2007	0.817	1.36	--	1.78	0.765	1.35	--	0.496 J	< 0.6 U	0.303 J
DBMW-10	46	20	N	6/26/2007	0.917	1.41	--	1.55	0.789	1.34	--	0.395 J	< 0.6 U	0.317 J
DBMW-10	46	30	N	6/26/2007	0.896	1.26	--	1.37	0.984	1.28	--	0.447 J	< 0.6 U	0.355 J
DBMW-10	46	30	FD	6/26/2007	0.967	1.37	--	1.3	1.12	1.46	--	0.49 J	< 0.6 U	0.427 J
DBMW-10	46	40	N	6/26/2007	0.876	1.4	--	1.52	0.923	1.24	--	0.353 J	< 0.6 U	0.379 J
DBMW-10	46	50	N	6/26/2007	0.866	1.32	--	1.43	1.06	1.33	--	0.532 J	0.0237 J	0.395 J
DBMW-10	46	60	N	6/27/2007	0.959	1.43	--	1.28	1.17	1.19	--	0.416 J	0.0256 J	0.479 J
DBMW-10	46	70	N	7/2/2007	2.7	0.725	--	0.652	3.15	0.661	--	3.44	0.114 J	2.66
DBMW-11	46	1	N	7/5/2007	0.866	1.35	--	1.43	0.806	1.36	--	0.209 J	< 0.6 U	0.211 J
DBMW-11	46	10	N	7/5/2007	0.801	1.5	--	1.34	0.634	1.34	--	0.332 J	< 0.6 U	0.23 J
DBMW-11	46	20	N	7/5/2007	1.13	1.19	--	1.22	1.42	1.05	--	0.777	0.0172 J	0.426 J
DBMW-11	46	30	N	7/6/2007	1.28	1.28	--	1.25	1.38 J	1.3	--	0.677	0.0362 J	0.613
DBMW-11	46	40	N	7/6/2007	1.58	0.564	--	0.457	2.21 J	0.444	--	1.6	0.0632 J	1.61
DBMW-11	46	50	N	7/6/2007	2.23	1.28	--	1.23	2.37 J	1.15	--	2.51	0.0757 J	2.09
DBMW-11	46	50	FD	7/6/2007	2.06	1.26	--	1.05	2.71 J	1.1	--	2.16	0.0632 J	2.03
DBMW-11	46	60	N	7/6/2007	2.01	0.776	--	0.58	2.59 J	0.786	--	2.3	0.0794 J	2.37
DBMW-11	46	70	N	7/6/2007	1.42	1.1	--	0.892	1.65 J	0.844	--	1.41	0.0662 J	1.4
DBMW-9	46	1	N	6/25/2007	0.837	1.41	--	1.5	0.768	1.31	--	0.171 J	< 0.6 UJ	0.165 J
DBMW-9	46	10	N	6/25/2007	0.965	1.42	--	1.73	1.13	1.6	--	0.286 J	< 0.6 UJ	0.229 J
DBMW-9	46	20	N	6/25/2007	0.926	1.5	--	1.76	0.798	1.3	--	0.381 J+	0.0403 J	0.177 J+
DBMW-9	46	20	FD	6/25/2007	0.922	1.61	--	1.87	0.979	1.43	--	0.391 J	0.0234 J	0.187 J
DBMW-9	46	30	N	6/25/2007	0.972	1.67	--	1.64	0.908	1.42	--	0.245 J	< 0.6 UJ	0.254 J
DBMW-9	46	40	N	6/25/2007	0.907	1.47	--	1.47	0.914	1.3	--	0.298 J	< 0.6 UJ	0.213 J
DBMW-9	46	50	N	6/25/2007	2.45	< 0.121 U	--	0.155	3.19	0.158	--	2.72	0.0887 J	2.69
DBMW-9	46	60	N	6/25/2007	1.5	0.479	--	0.305	2.05	0.313	--	1.9	0.0757 J	1.97
DBMW-9	46	70	N	6/25/2007	1.66	1.17	--	1.05	1.93	0.961	--	1.43	0.0857 J	1.57
PUH-02	6d	0	N	10/12/1999	1.3	2.75	--	2.27	0.61	2.42	--	0.51	0.04	0.53
PUH-04	6d	0	N	10/12/1999	1.34	2.21	--	2.45	1.39	2.05	--	0.53	0.01	0.71
PUI-07	6d	0	N	10/12/1999	1.4	1.51	--	1.86	1.29	1.31	--	0.78	0.05	0.59
PUI-12	6d	0	N	10/27/1999	5.51	1.16	--	1.62	1.02	1.69	--	0.67	0.03	0.89
PUJ-02	6d	0	N	10/13/1999	1.41	1.92	--	1.73	1.04	1.93	--	0.68	0.03	0.77
PUK-02	6d	0	N	10/13/1999	1.28	1.2	--	2.1	0.98	1.66	--	0.66	0.04	0.61
PUL-03	6d	0	N	10/13/1999	1.07	1.95	--	1.94	1.22	1.85	--	0.59	0.01	0.73
SB-11-B	27	0	N	6/18/2004	1.3	1.81	0.51	1.68	1.31	1.96	1.1	0.83 J+	0.125	0.94 J+
SB-11-B	27	18.5	N	6/18/2004	1.19	1.88	< 0.09 U	1.44	< 0.08 U	1.57	< 1.1 U	1.01	0.111	1.04
SB-11-B	27	37	N	6/24/2004	8.6	1.66	< 0.38 U	0.73	6.61	0.48	< 3.5 U	5.8	0.16	5.47
SB-11-B	27	57	N	6/24/2004	4.6	0.72	< 0.32 U	0.76	6.25	0.8	< 2.2 U	5.48	0.29	5.34
SB-11-B	27	77	N	6/24/2004	7.46	4.09	< 0.19 U	< 0.16 U	9.5	0.178	8.9	9.18	0.5	8.89

TABLE B-9
SOIL RADIONUCLIDES DATA
UPPER PONDS SUB-AREA
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Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Radionuclides									
					Radium-226	Radium-228	Thallium-208	Thorium-228	Thorium-230	Thorium-232	Thorium-234	Uranium-233/234	Uranium-235/236	Uranium-238
SB-15-A	27	0	N	6/19/2004	1.31	1.3	0.54	1.49	0.99	1.4	< 1.1 U	0.9	< 0.059 U	0.91
SB-15-A	27	7	N	6/19/2004	0.92	1.31	0.43	1.33	1.04	1.3	1.41	1.14	< 0.059 U	1.02
SB-15-A	27	17	N	6/19/2004	1.34	1.51	0.51	1.41	1.3	1.25	1.82	1.35	< 0.061 U	0.79
SB-15-A	27	47	N	6/19/2004	5.78	0.8	< 0.29 U	0.82	5.9	0.55	6.3	6.55	0.21	6.23
SB-15-A	27	57	N	6/19/2004	1.58	0.78	0.43	1.38	2.23	0.78	2.7	2.28	0.053	2.07
SB-15-A	27	77	N	6/19/2004	1.35	0.61	0.37	0.85	1.13	0.94	1.49	1.54	< 0.033 U	1.29
SB-17-A	27	0	N	7/7/2004	0.85	0.82	0.53	1.63	1.22	1.56	1.59	0.8	0.037	0.67
SB-17-A	27	7	N	7/7/2004	0.87	0.76	0.45	1.5	1.01	1.39	1.14	0.74	< 0.055 U	0.9
SB-17-A	27	17	N	7/7/2004	1.16	0.72	0.48	1.13	1.47	1.12	< 1.3 U	1.13	0.054	0.95
SB-17-A	27	27	N	7/7/2004	2.65	0.81	0.26	0.72	2.87	0.71	3.09	2.32	0.145	2.6
SB-17-A	27	47	N	7/7/2004	2.93	< 0.63 U	0.2	0.49	2.74	0.31	3.3	2.45	0.09	2.4
SB-17-A	27	57	N	7/7/2004	2.8	< 0.62 U	< 0.19 U	0.28	2.69	0.29	2.1	3.08	0.18	2.35
SB-17-A	27	77	N	7/7/2004	1.37	0.79	0.58	1.3	1.79	1.12	1.47	2.61	< 0.11 U	2.35
SB-17-A	27	97	N	7/7/2004	2.71	< 0.5 U	0.118	0.66	2.49	0.45	1.4	1.42	< 0.091 U	1.31
SB-18-A	27	0	N	6/21/2004	0.76	0.93	0.5	1.16	0.76	0.79	< 1.2 U	0.67	< 0.05 U	0.55
SB-18-A	27	7	N	6/21/2004	0.93	1.41	0.5	1.6	1.1	1.39	1.8	0.78	< 0.09 U	0.85
SB-18-A	27	17	N	6/21/2004	1.41	1.4	0.55	1.09	0.86	1.28	< 1.2 U	0.83	< 0.09 U	0.68
SB-18-A	27	27	N	6/21/2004	0.93	1.32	0.47	1.31	0.79	0.89	1.93	0.81	0.035	0.86
SB-18-A	27	47	N	6/21/2004	1.11	1.06	0.39	1.15	1.1	0.99	< 1.1 U	0.78	< 0.081 U	0.87
SB-18-A	27	77	N	6/21/2004	4.46	1.18	0.37	0.9	3.32	1.04	3.5	3.06	0.11	3.04
SB-18-A	27	87	N	6/21/2004	1.37	0.69	0.35	1.11	1.29	0.79	< 2.2 U	1.35	0.06	1.31
SB-18-A	27	97	N	6/21/2004	2.59	< 3.2 U	< 0.26 U	0.62	3.3	0.5	3.8	2.85	0.177	2.97
SB-19-A	27	0	N	7/8/2004	1.08	1.64	0.51	1.43	< 0.07 U	1.46	1.12	0.89	< 0.1 U	0.89
SB-19-A	27	7	N	7/8/2004	1.14	1.47	0.46	1.33	< 0.09 U	1.37	< 1.2 U	0.82	< 0.058 U	0.79
SB-19-A	27	17	N	7/8/2004	1.13	1.45	0.44	1.2	1.76	1.49	1.6	1.49	0.109	1.1
SB-19-A	27	27	N	7/8/2004	1.4	< 1.4 U	0.44	1.58	1.58	1.43	1.58	1.47	0.055	0.9
SB-19-A	27	57	N	7/9/2004	2.02	0.71	< 0.31 U	0.77	3.44	0.99	2.1	2.36	0.116	2.13
SB-19-A	27	77	N	7/9/2004	2.21	< 1.8 U	0.46	0.87	1.53	1.16	< 1.9 U	1.64	0.062	1.51
SB-19-A	27	97	N	7/9/2004	3.76	1.69	0.33	0.93	3.29	1.42	3.44	2.9	0.157	3

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in pCi/g.
-- = no sample data.
Shaded results indicate soil has been excavated and removed.

TABLE B-10
SOIL GLYCOL/ALCOHOLS, ORGANIC ACIDS, TPH, AND CHLORINATED HERBICIDES DATA
UPPER PONDS SUB-AREA
(Page 1 of 4)

					Alcohols/Glycols				Organic Acids				TPH			
Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Ethanol	Ethylene glycol	Methanol	Propylene glycol	4-Chlorobenzene-sulfonic acid	Benzenesulfonic acid	Diethyl phosphoro-dithioic acid	Dimethyl phosphorodithioic acid	Gasoline Range Organics	HEM Oil/Grease	Mineral Spirits	TPH (as Diesel)
DBMW-10	46	1	N	6/26/2007	< 0.2 U	--	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	10	N	6/26/2007	< 0.2 U	--	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	20	N	6/26/2007	< 0.2 U	--	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	30	N	6/26/2007	< 0.2 U	--	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	30	FD	6/26/2007	< 0.21 U	--	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	40	N	6/26/2007	< 0.2 U	--	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	50	N	6/26/2007	< 0.21 U	--	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	60	N	6/27/2007	< 0.21 U	--	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	70	N	7/2/2007	< 0.27 U	--	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	1	N	7/5/2007	< 0.19 U	--	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	10	N	7/5/2007	< 0.2 U	--	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	20	N	7/5/2007	< 0.2 U	--	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	30	N	7/6/2007	< 0.22 U	--	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	40	N	7/6/2007	< 0.25 U	--	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	50	N	7/6/2007	< 0.25 U	--	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	50	FD	7/6/2007	< 0.27 U	--	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	60	N	7/6/2007	< 0.3 U	--	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	70	N	7/6/2007	< 0.25 U	--	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	1	N	6/25/2007	< 0.2 UJ	--	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	10	N	6/25/2007	< 0.2 UJ	--	--	--	--	--	--	--	< 0.03 U	< 178 UJ	< 26 U	< 1.6 U
DBMW-9	46	20	N	6/25/2007	< 0.2 UJ	--	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	20	FD	6/25/2007	< 0.2 UJ	--	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	30	N	6/25/2007	< 0.2 UJ	--	--	--	--	--	--	--	< 0.03 UJ	< 181 UJ	< 26 U	< 1.6 U
DBMW-9	46	40	N	6/25/2007	< 0.2 UJ	--	--	--	--	--	--	--	< 0.03 U	< 180 UJ	< 26 U	< 1.6 U
DBMW-9	46	50	N	6/25/2007	< 0.25 UJ	--	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	60	N	6/25/2007	< 0.26 UJ	--	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	70	N	6/25/2007	< 0.26 UJ	--	--	--	--	--	--	--	--	--	--	--
SB-11-B	27	0	N	6/18/2004	< 53 UJ-	< 53 UJ-/+	< 53 UJ-	< 53 UJ-/+	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-11-B	27	18.5	N	6/18/2004	< 57 UJ-	< 57 UJ-/+	< 57 UJ-	< 57 UJ-/+	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-11-B	27	27	N	6/24/2004	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-11-B	27	37	N	6/24/2004	< 92 UJ-	< 92 UJ-/+	< 92 UJ-	< 92 UJ-/+	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-11-B	27	57	N	6/24/2004	< 89 UJ-	< 89 UJ-/+	< 89 UJ-	< 89 UJ-/+	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-11-B	27	77	N	6/24/2004	< 74 UJ-	< 74 UJ-/+	< 74 UJ-	< 74 UJ-/+	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-15-A	27	0	N	6/19/2004	< 52 U	< 52 UJ-	< 52 U	< 52 UJ-	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-15-A	27	7	N	6/19/2004	< 53 U	< 53 UJ-	< 53 U	< 53 UJ-	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-15-A	27	17	N	6/19/2004	3600 J-	< 52 UJ-	8800 J-	< 52 UJ-	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-15-A	27	47	N	6/19/2004	< 86 U	< 86 UJ-	< 86 U	< 86 UJ-	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-15-A	27	57	N	6/19/2004	< 79 U	< 79 UJ-	< 79 U	< 79 UJ-	< 1 U	< 1 U	< 1 U		--	--	--	--
SB-15-A	27	77	N	6/19/2004	< 60 U	< 60 UJ-	< 60 U	< 60 UJ-	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--

TABLE B-10
SOIL GLYCOL/ALCOHOLS, ORGANIC ACIDS, TPH, AND CHLORINATED HERBICIDES DATA
UPPER PONDS SUB-AREA
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					Alcohols/Glycols				Organic Acids				TPH			
Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Ethanol	Ethylene glycol	Methanol	Propylene glycol	4-Chlorobenzene-sulfonic acid	Benzenesulfonic acid	Diethyl phosphoro-dithioic acid	Dimethyl phosphorodithioic acid	Gasoline Range Organics	HEM Oil/Grease	Mineral Spirits	TPH (as Diesel)
SB-17-A	27	0	N	7/7/2004	< 51 UJ-	< 51 U	< 51 UJ-	< 51 UJ-	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-17-A	27	7	N	7/7/2004	< 51 UJ-	< 51 UJ-	< 51 UJ-	< 51 UJ-	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-17-A	27	17	N	7/7/2004	< 51 UJ-	< 51 UJ-	< 51 UJ-	< 51 UJ-	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-17-A	27	27	N	7/7/2004	< 64 UJ-	< 64 UJ-	< 64 UJ-	< 64 UJ-	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-17-A	27	47	N	7/7/2004	< 71 UJ-	< 71 UJ-	< 71 UJ-	< 71 UJ-	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-17-A	27	57	N	7/7/2004	< 67 UJ-	< 67 UJ-	< 67 UJ-	< 67 UJ-	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-17-A	27	77	N	7/7/2004	< 52 UJ-	< 52 UJ-	< 52 UJ-	< 52 UJ-	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-17-A	27	97	N	7/7/2004	< 70 UJ-	< 70 UJ-	< 70 UJ-	< 70 UJ-	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-18-A	27	0	N	6/21/2004	< 53 U	< 53 U	< 53 U	< 53 U	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-18-A	27	7	N	6/21/2004	< 51 U	< 51 U	< 51 U	< 51 U	< 1 U	< 1 U	< 1 U	< 2 U	--	--	--	--
SB-18-A	27	17	N	6/21/2004	< 51 U	< 51 U	< 51 U	< 51 U	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-18-A	27	27	N	6/21/2004	< 51 U	< 51 U	< 51 U	< 51 U	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-18-A	27	47	N	6/21/2004	< 51 U	< 51 U	< 51 U	< 51 U	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-18-A	27	77	N	6/21/2004	< 87 U	< 87 UJ-	< 87 U	< 87 UJ-	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-18-A	27	87	N	6/21/2004	< 81 U	< 81 UJ-	< 81 U	< 81 UJ-	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-18-A	27	97	N	6/21/2004	< 67 U	< 67 UJ-	< 67 U	< 67 UJ-	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-19-A	27	0	N	7/8/2004	< 51 UJ-	< 51 UJ-	< 51 UJ-	< 51 UJ-	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-19-A	27	7	N	7/8/2004	< 51 UJ-	< 51 UJ-	< 51 UJ-	< 51 UJ-	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-19-A	27	17	N	7/8/2004	< 52 UJ-	< 52 UJ-	< 52 UJ-	< 52 UJ-	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-19-A	27	27	N	7/8/2004	< 52 UJ-	< 52 UJ-	< 52 UJ-	< 52 UJ-	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-19-A	27	57	N	7/9/2004	< 90 U	< 90 U	< 90 U	< 90 UJ-	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-19-A	27	77	N	7/9/2004	< 72 U	< 72 U	< 72 U	< 72 UJ-	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
SB-19-A	27	97	N	7/9/2004	< 84 U	< 84 U	< 84 U	< 84 UJ-	< 1 U	< 1 U	< 1 U	6.5	--	--	--	--
WC-AD02	39	0	N	8/3/2006	--	--	--	--	--	--	--	--	--	--	--	--

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in mg/kg.
-- = no sample data.

TABLE B-10
SOIL GLYCOL/ALCOHOLS, ORGANIC ACIDS, TPH, AND CHLORINATED HERBICIDES DATA
UPPER PONDS SUB-AREA
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Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Chlorinated Herbicides									
					2,2-Dichloro-propionic acid	2,4,5-T	2,4,5-TP	2,4-D	4-(2,4-Dichlorophenoxy) butyric acid	Dicamba	Dichlorprop	Dinitrobutyl phenol	MCPA (2-Methyl-4-chlorophenoxyacetic acid)	Mecoprop
DBMW-10	46	1	N	6/26/2007	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	10	N	6/26/2007	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	20	N	6/26/2007	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	30	N	6/26/2007	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	30	FD	6/26/2007	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	40	N	6/26/2007	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	50	N	6/26/2007	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	60	N	6/27/2007	--	--	--	--	--	--	--	--	--	--
DBMW-10	46	70	N	7/2/2007	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	1	N	7/5/2007	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	10	N	7/5/2007	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	20	N	7/5/2007	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	30	N	7/6/2007	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	40	N	7/6/2007	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	50	N	7/6/2007	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	50	FD	7/6/2007	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	60	N	7/6/2007	--	--	--	--	--	--	--	--	--	--
DBMW-11	46	70	N	7/6/2007	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	1	N	6/25/2007	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	10	N	6/25/2007	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	20	N	6/25/2007	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	20	FD	6/25/2007	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	30	N	6/25/2007	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	40	N	6/25/2007	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	50	N	6/25/2007	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	60	N	6/25/2007	--	--	--	--	--	--	--	--	--	--
DBMW-9	46	70	N	6/25/2007	--	--	--	--	--	--	--	--	--	--
SB-11-B	27	0	N	6/18/2004	< 0.043 UJ-	< 0.021 UJ-	< 0.021 UJ-	< 0.085 UJ-	< 0.085 UJ-	< 0.043 UJ-	< 0.085 UJ-	< 0.013 UJ-	< 8.5 UJ-	< 8.5 UJ-
SB-11-B	27	18.5	N	6/18/2004	< 0.045 UJ-	< 0.023 UJ-	< 0.023 UJ-	< 0.091 UJ-	< 0.091 UJ-	< 0.045 UJ-	< 0.091 UJ-	< 0.014 UJ-	< 9.1 UJ-	< 9.1 UJ-
SB-11-B	27	27	N	6/24/2004	--	--	--	--	--	--	--	--	--	--
SB-11-B	27	37	N	6/24/2004	< 0.073 UJ-	< 0.037 UJ-	< 0.037 UJ-	< 0.15 UJ-	< 0.15 UJ-	< 0.073 UJ-	< 0.15 UJ-	< 0.022 UJ-	< 15 UJ-	< 15 UJ-
SB-11-B	27	57	N	6/24/2004	< 0.071 UJ-	< 0.036 UJ-	< 0.036 UJ-	< 0.14 UJ-	< 0.14 UJ-	< 0.071 UJ-	< 0.14 UJ-	< 0.021 UJ-	< 14 UJ-	< 14 UJ-
SB-11-B	27	77	N	6/24/2004	< 0.059 UJ	< 0.03 UJ-	< 0.03 UJ-/+	< 0.12 UJ-	< 0.12 UJ-	< 0.059 UJ	< 0.12 UJ	< 0.018 UJ-	< 12 UJ-	< 12 UJ
SB-15-A	27	0	N	6/19/2004	< 0.041 U	< 0.021 UJ-	< 0.021 UJ-	< 0.082 UJ-	< 0.082 UJ-	< 0.041 U	< 0.082 UJ-	< 0.012 UJ-	< 8.2 U	< 8.2 U
SB-15-A	27	7	N	6/19/2004	< 0.042 U	< 0.021 UJ-	< 0.021 UJ-	< 0.085 UJ-	< 0.085 UJ-	< 0.042 U	< 0.085 UJ-	< 0.013 UJ-	< 8.5 U	< 8.5 U
SB-15-A	27	17	N	6/19/2004	< 0.041 U	< 0.021 UJ-	< 0.021 UJ-	< 0.083 UJ-	< 0.083 UJ-	< 0.041 U	< 0.083 UJ-	< 0.012 UJ-	< 8.3 U	< 8.3 U
SB-15-A	27	47	N	6/19/2004	< 0.069 U	< 0.034 UJ-	< 0.034 UJ-	< 0.14 UJ-	< 0.14 UJ-	< 0.069 U	< 0.14 UJ-	< 0.021 UJ-	< 14 U	< 14 U
SB-15-A	27	57	N	6/19/2004	< 0.063 U	< 0.032 UJ-	< 0.032 UJ-	< 0.13 UJ-	< 0.13 UJ-	< 0.063 U	< 0.13 UJ-	< 0.019 UJ-	< 13 U	< 13 U
SB-15-A	27	77	N	6/19/2004	< 0.048 U	< 0.024 UJ-	< 0.024 UJ-	< 0.097 UJ-	< 0.097 UJ-	< 0.048 U	< 0.097 UJ-	< 0.014 UJ-	< 9.7 U	< 9.7 U

TABLE B-10
SOIL GLYCOL/ALCOHOLS, ORGANIC ACIDS, TPH, AND CHLORINATED HERBICIDES DATA
UPPER PONDS SUB-AREA
(Page 4 of 4)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Chlorinated Herbicides									
					2,2-Dichloro-propionic acid	2,4,5-T	2,4,5-TP	2,4-D	4-(2,4-Dichlorophenoxy) butyric acid	Dicamba	Dichlorprop	Dinitrobutyl phenol	MCPA (2-Methyl-4-chlorophenoxyacetic acid)	Mecoprop
SB-17-A	27	0	N	7/7/2004	< 0.041 U	< 0.02 U	< 0.02 U	< 0.081 U	< 0.081 U	< 0.041 U	< 0.081 U	< 0.025 U	< 8.1 U	< 8.1 U
SB-17-A	27	7	N	7/7/2004	< 0.041 U	< 0.021 U	< 0.021 U	< 0.082 U	< 0.082 U	< 0.041 U	< 0.082 U	< 0.026 U	< 8.2 U	< 8.2 U
SB-17-A	27	17	N	7/7/2004	< 0.041 U	< 0.021 U	< 0.021 U	< 0.082 U	< 0.082 U	< 0.041 U	< 0.082 U	< 0.026 U	< 8.2 U	< 8.2 U
SB-17-A	27	27	N	7/7/2004	< 0.051 U	< 0.025 U	< 0.025 U	< 0.1 U	< 0.1 U	< 0.051 U	< 0.1 U	< 0.032 U	< 10 U	< 10 U
SB-17-A	27	47	N	7/7/2004	< 0.057 U	< 0.029 U	< 0.029 U	< 0.11 U	< 0.11 U	< 0.057 U	< 0.11 U	< 0.036 U	< 11 U	< 11 U
SB-17-A	27	57	N	7/7/2004	< 0.054 U	< 0.027 U	< 0.027 U	< 0.11 U	< 0.11 U	< 0.054 U	< 0.11 U	< 0.034 U	< 11 U	< 11 U
SB-17-A	27	77	N	7/7/2004	< 0.042 U	< 0.021 U	< 0.021 U	< 0.083 U	< 0.083 U	< 0.042 U	< 0.083 U	< 0.026 U	< 8.3 U	< 8.3 U
SB-17-A	27	97	N	7/7/2004	< 0.056 U	< 0.028 U	< 0.028 U	< 0.11 U	< 0.11 U	< 0.056 U	< 0.11 U	< 0.035 U	< 11 U	< 11 U
SB-18-A	27	0	N	6/21/2004	< 0.043 U	< 0.021 UJ-	< 0.021 UJ-	< 0.085 UJ-	< 0.085 UJ-	< 0.043 U	< 0.085 UJ-	< 0.013 UJ-	< 8.5 U	< 8.5 U
SB-18-A	27	7	N	6/21/2004	< 0.041 U	< 0.02 UJ-	< 0.02 UJ-	< 0.082 UJ-	< 0.082 UJ-	< 0.041 U	< 0.082 UJ-	< 0.012 UJ-	< 8.2 U	< 8.2 U
SB-18-A	27	17	N	6/21/2004	< 0.041 U	< 0.02 UJ-	< 0.02 UJ-	< 0.082 UJ-	< 0.082 UJ-	< 0.041 U	< 0.082 UJ-	< 0.012 UJ-	< 8.2 U	< 8.2 U
SB-18-A	27	27	N	6/21/2004	< 0.041 U	< 0.02 UJ-	< 0.02 UJ-	< 0.082 UJ-	< 0.082 UJ-	< 0.041 U	< 0.082 UJ-	< 0.012 UJ-	< 8.2 U	< 8.2 U
SB-18-A	27	47	N	6/21/2004	< 0.041 U	< 0.021 UJ-	< 0.021 UJ-	< 0.082 UJ-	< 0.082 UJ-	< 0.041 U	< 0.082 UJ-	< 0.012 UJ-	< 8.2 U	< 8.2 U
SB-18-A	27	77	N	6/21/2004	< 0.069 U	< 0.035 UJ-	< 0.035 UJ-	< 0.14 UJ-	< 0.14 UJ-	< 0.069 U	< 0.14 UJ-	< 0.021 UJ-	< 14 U	< 14 U
SB-18-A	27	87	N	6/21/2004	< 0.064 U	< 0.032 UJ-	< 0.032 UJ-	< 0.13 UJ-	< 0.13 UJ-	< 0.064 U	< 0.13 UJ-	< 0.019 UJ-	< 13 U	< 13 U
SB-18-A	27	97	N	6/21/2004	< 0.054 U	< 0.027 UJ-	< 0.027 UJ-	< 0.11 UJ-	< 0.11 UJ-	< 0.054 U	< 0.11 UJ-	< 0.016 UJ-	< 11 U	< 11 U
SB-19-A	27	0	N	7/8/2004	< 0.041 U	< 0.021 U	< 0.021 U	< 0.082 U	< 0.082 U	< 0.041 U	< 0.082 U	< 0.026 U	< 8.2 U	< 8.2 U
SB-19-A	27	7	N	7/8/2004	< 0.041 U	< 0.021 U	< 0.021 U	< 0.082 U	< 0.082 U	< 0.041 U	< 0.082 U	< 0.026 U	< 8.2 U	< 8.2 U
SB-19-A	27	17	N	7/8/2004	< 0.042 U	< 0.021 U	< 0.021 U	< 0.084 U	< 0.084 U	< 0.042 U	< 0.084 U	< 0.026 U	< 8.4 U	< 8.4 U
SB-19-A	27	27	N	7/8/2004	< 0.041 U	< 0.021 U	< 0.021 U	< 0.082 U	< 0.082 U	< 0.041 U	< 0.082 U	< 0.026 U	< 8.2 U	< 8.2 U
SB-19-A	27	57	N	7/9/2004	< 0.072 U	< 0.036 U	< 0.036 U	< 0.14 U	< 0.14 U	< 0.072 U	< 0.14 U	< 0.045 U	< 14 U	< 14 U
SB-19-A	27	77	N	7/9/2004	< 0.057 U	< 0.029 U	< 0.029 U	< 0.11 U	< 0.11 U	< 0.057 U	< 0.11 U	< 0.036 U	< 11 U	< 11 U
SB-19-A	27	97	N	7/9/2004	< 0.067 U	< 0.034 U	< 0.034 U	< 0.13 U	< 0.13 U	< 0.067 U	< 0.13 U	< 0.042 U	< 13 U	< 13 U
WC-AD02	39	0	N	8/3/2006	--	< 0.0052 U	< 0.0033 U	< 0.03 U	--	--	--	< 0.0061 U	--	--

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in mg/kg.
-- = no sample data.

TABLE B-11
SOIL POLYAROMATIC HYDROCARBON DATA
UPPER PONDS SUB-AREA
(Page 1 of 3)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Polynuclear Aromatic Hydrocarbons (PAHs)												
					Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Pyrene
ADB-04	1a	1	N	4/18/1996	< 0.73 U	< 0.73 U	< 0.73 U	< 0.73 U	< 0.73 U	< 0.73 U	< 0.73 U	< 0.73 U	< 0.73 U	< 0.73 U	< 0.73 U	< 0.73 U	< 0.73 U
ADB-05	1a	1	N	4/19/1996	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U
BDB-19	1a	1	N	3/25/1996	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U
CSPUO-07NC	7b	1	N	4/27/2000	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ
CSPUO-07NE	7b	1	N	4/27/2000	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ
CSPUO-07NE2	7b	1	N	5/16/2000	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	--	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
CSPUO-07SC	7b	1	N	4/27/2000	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ
CSPUO-07SE	7b	1	N	4/27/2000	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ
CSPUO-07SW	7b	1	N	4/27/2000	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	--	--	--	< 0.5 UJ	--	--	< 0.5 UJ	< 0.5 UJ	--	--
CSPUP-08SC	7b	1	N	4/28/2000	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ
CSPUP-08SE	7b	1	N	4/28/2000	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	--	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ
DBMW-10	46	1	N	6/26/2007	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U
DBMW-10	46	10	N	6/26/2007	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-10	46	20	N	6/26/2007	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U
DBMW-10	46	30	N	6/26/2007	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-10	46	30	FD	6/26/2007	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U
DBMW-10	46	40	N	6/26/2007	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-10	46	50	N	6/26/2007	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-10	46	60	N	6/27/2007	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U
DBMW-10	46	70	N	7/2/2007	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U
DBMW-11	46	1	N	7/5/2007	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U
DBMW-11	46	10	N	7/5/2007	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-11	46	20	N	7/5/2007	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-11	46	30	N	7/6/2007	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U
DBMW-11	46	40	N	7/6/2007	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U
DBMW-11	46	50	N	7/6/2007	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U
DBMW-11	46	50	FD	7/6/2007	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U
DBMW-11	46	60	N	7/6/2007	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U
DBMW-11	46	70	N	7/6/2007	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U
DBMW-9	46	1	N	6/25/2007	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U
DBMW-9	46	10	N	6/25/2007	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U
DBMW-9	46	20	N	6/25/2007	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-9	46	20	FD	6/25/2007	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-9	46	30	N	6/25/2007	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-9	46	40	N	6/25/2007	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U
DBMW-9	46	50	N	6/25/2007	< 0.042 U	< 0.042 U	< 0.042 U	< 0.042 U	< 0.042 U	< 0.042 U	< 0.042 U	< 0.042 U	< 0.042 U	< 0.042 U	< 0.042 U	< 0.042 U	< 0.042 U
DBMW-9	46	60	N	6/25/2007	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U
DBMW-9	46	70	N	6/25/2007	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U
PRSSNP-07	20c	0	N	6/20/2001	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U

TABLE B-11
SOIL POLYAROMATIC HYDROCARBON DATA
UPPER PONDS SUB-AREA
(Page 2 of 3)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Polynuclear Aromatic Hydrocarbons (PAHs)												
					Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Pyrene
PUH-02	1a	1	N	3/25/1996	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U
PUJ-14	1a	1	N	3/22/1996	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U
PUK-02	1a	1	N	3/25/1996	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U
PUL-03	1a	1	N	3/25/1996	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U
PUL-09	1a	1	N	3/22/1996	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U
PUM-06	1a	1	N	3/22/1996	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U
PUM-06	1a	5	N	3/22/1996	< 0.68 U	< 0.68 U	< 0.68 U	< 0.68 U	< 0.68 U	< 0.68 U	< 0.68 U	< 0.68 U	< 0.68 U	< 0.68 U	< 0.68 U	< 0.68 U	< 0.68 U
PUO-07BSSE	7d	0.5	N	3/24/2000	< 0.528 UJ	< 0.528 UJ	< 0.528 UJ	< 0.14 UJ	< 0.14 UJ	1.1 J-	< 2.642 UJ	--	0.97 J-	< 0.528 UJ	< 0.528 UJ	2.6 J-	< 0.66 UJ
PUO-07BSSE	7d	1.5	N	3/24/2000	< 0.537 UJ	< 0.537 UJ	< 0.537 UJ	< 0.14 UJ	< 0.14 UJ	< 0.2 UJ	< 2.685 UJ	--	< 0.67 UJ	< 0.537 UJ	< 0.537 UJ	< 0.67 UJ	< 0.67 UJ
PUO-07BSSW	7d	0.5	N	3/24/2000	< 0.534 UJ	< 0.534 UJ	< 0.534 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 2.67 UJ	--	< 0.5 UJ	< 0.534 UJ	< 0.534 UJ	< 0.5 UJ	< 0.5 UJ
PUO-07BSSW	7d	1.5	N	3/24/2000	< 0.526 UJ	< 0.526 UJ	< 0.526 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 2.628 UJ	--	< 0.5 UJ	< 0.526 UJ	< 0.526 UJ	< 0.5 UJ	< 0.5 UJ
SB-11-B	27	0	N	6/18/2004	< 0.053 UJ-	< 0.11 UJ-	< 0.032 UJ-	< 0.016 UJ-	< 0.016 UJ-	< 0.016 UJ-	< 0.032 UJ-/+	< 0.016 UJ-	< 0.016 UJ-	< 0.032 UJ-/+	< 0.016 UJ-	< 0.032 UJ-	< 0.032 UJ-/+
SB-11-B	27	18.5	N	6/18/2004	< 0.057 UJ-	< 0.11 UJ-	< 0.034 UJ-	< 0.017 UJ-	< 0.017 UJ-	< 0.017 UJ-	< 0.034 UJ-/+	< 0.017 UJ-	< 0.017 UJ-	< 0.034 UJ-/+	< 0.017 UJ-	< 0.034 UJ-	< 0.034 UJ-/+
SB-11-B	27	37	N	6/24/2004	< 0.092 UJ-	< 0.18 UJ-	< 0.055 UJ-	< 0.028 UJ-	< 0.028 UJ-	< 0.028 UJ-	< 0.055 UJ-/+	< 0.028 UJ-	< 0.028 UJ-	< 0.055 UJ-/+	< 0.028 UJ-	< 0.055 UJ-	< 0.055 UJ-/+
SB-11-B	27	57	N	6/24/2004	< 0.089 UJ-	< 0.18 UJ-	< 0.053 UJ-	< 0.027 UJ-	< 0.027 UJ-	< 0.027 UJ-	< 0.053 UJ-/+	< 0.027 UJ-	< 0.027 UJ-	< 0.053 UJ-/+	< 0.027 UJ-	< 0.053 UJ-	< 0.053 UJ-/+
SB-11-B	27	77	N	6/24/2004	< 0.074 UJ-	< 0.15 UJ-	< 0.044 UJ-	< 0.022 UJ-	< 0.022 UJ-	< 0.022 UJ-	< 0.044 UJ-/+	< 0.022 UJ-	< 0.022 UJ-	< 0.044 UJ-/+	< 0.022 UJ-	< 0.044 UJ-	< 0.044 UJ-/+
SB-15-A	27	0	N	6/19/2004	< 0.052 U	< 0.1 U	< 0.031 U	< 0.015 U	< 0.015 U	< 0.015 U	< 0.031 U	< 0.015 U	< 0.015 U	< 0.031 U	< 0.015 U	< 0.031 U	< 0.031 U
SB-15-A	27	7	N	6/19/2004	< 0.053 U	< 0.11 U	< 0.032 U	< 0.016 U	< 0.016 U	< 0.016 U	< 0.032 U	< 0.016 U	< 0.016 U	< 0.032 U	< 0.016 U	< 0.032 U	< 0.032 U
SB-15-A	27	17	N	6/19/2004	< 0.052 U	< 0.1 U	< 0.031 U	< 0.016 U	< 0.016 U	< 0.016 U	< 0.031 U	< 0.016 U	< 0.016 U	< 0.031 U	< 0.016 U	< 0.031 U	< 0.031 U
SB-15-A	27	47	N	6/19/2004	< 0.086 U	< 0.17 U	< 0.051 U	< 0.026 U	< 0.026 U	< 0.026 U	< 0.051 U	< 0.026 U	< 0.026 U	< 0.051 U	< 0.026 U	< 0.051 U	< 0.051 U
SB-15-A	27	57	N	6/19/2004	< 0.079 U	< 0.16 U	< 0.048 U	< 0.024 U	< 0.024 U	< 0.024 U	< 0.048 U	< 0.024 U	< 0.024 U	< 0.048 U	< 0.024 U	< 0.048 U	< 0.048 U
SB-15-A	27	77	N	6/19/2004	< 0.06 U	< 0.12 U	< 0.036 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.036 U	< 0.018 U	< 0.018 U	< 0.036 U	< 0.018 U	< 0.036 U	< 0.036 U
SB-17-A	27	0	N	7/7/2004	< 0.051 U	< 0.1 U	< 0.03 U	< 0.015 U	< 0.015 U	< 0.015 U	< 0.03 U	< 0.015 U	< 0.015 U	< 0.03 U	< 0.015 U	< 0.03 U	< 0.03 U
SB-17-A	27	7	N	7/7/2004	< 0.051 U	< 0.1 U	< 0.031 U	< 0.015 U	< 0.015 U	< 0.015 U	< 0.031 U	< 0.015 U	< 0.015 U	< 0.031 U	< 0.015 U	< 0.031 U	< 0.031 U
SB-17-A	27	17	N	7/7/2004	< 0.051 U	< 0.1 U	< 0.031 U	< 0.015 U	< 0.015 U	< 0.015 U	< 0.031 U	< 0.015 U	< 0.015 U	< 0.031 U	< 0.015 U	< 0.031 U	< 0.031 U
SB-17-A	27	27	N	7/7/2004	< 0.064 U	< 0.13 U	< 0.038 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.038 U	< 0.019 U	< 0.019 U	< 0.038 U	< 0.019 U	< 0.038 U	< 0.038 U
SB-17-A	27	47	N	7/7/2004	< 0.071 U	< 0.14 U	< 0.043 U	< 0.021 U	< 0.021 U	< 0.021 U	< 0.043 U	< 0.021 U	< 0.021 U	< 0.043 U	< 0.021 U	< 0.043 U	< 0.043 U
SB-17-A	27	57	N	7/7/2004	< 0.067 U	< 0.13 U	< 0.04 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.04 U	< 0.02 U	< 0.02 U	< 0.04 U	< 0.02 U	< 0.04 U	< 0.04 U
SB-17-A	27	77	N	7/7/2004	< 0.052 U	< 0.1 U	< 0.031 U	< 0.016 U	< 0.016 U	< 0.016 U	< 0.031 U	< 0.016 U	< 0.016 U	< 0.031 U	< 0.016 U	< 0.031 U	< 0.031 U
SB-17-A	27	97	N	7/7/2004	< 0.07 U	< 0.14 U	< 0.042 U	< 0.021 U	< 0.021 U	< 0.021 U	< 0.042 U	< 0.021 U	< 0.021 U	< 0.042 U	< 0.021 U	< 0.042 U	< 0.042 U
SB-18-A	27	0	N	6/21/2004	< 0.053 U	< 0.11 U	< 0.032 U	< 0.016 U	< 0.016 U	< 0.016 U	< 0.032 U	< 0.016 U	< 0.016 U	< 0.032 U	< 0.016 U	< 0.032 U	< 0.032 U
SB-18-A	27	7	N	6/21/2004	< 0.051 U	< 0.1 U	< 0.031 U	< 0.015 U	< 0.015 U	< 0.015 U	< 0.031 U	< 0.015 U	< 0.015 U	< 0.031 U	< 0.015 U	< 0.031 U	< 0.031 U
SB-18-A	27	17	N	6/21/2004	< 0.051 U	< 0.1 U	< 0.031 U	< 0.015 U	< 0.015 U	< 0.015 U	< 0.031 U	< 0.015 U	< 0.015 U	< 0.031 U	< 0.015 U	< 0.031 U	< 0.031 U
SB-18-A	27	27	N	6/21/2004	< 0.051 U	< 0.1 U	< 0.031 U	< 0.015 U	< 0.015 U	< 0.015 U	< 0.031 U	< 0.015 U	< 0.015 U	< 0.031 U	< 0.015 U	< 0.031 U	< 0.031 U
SB-18-A	27	47	N	6/21/2004	< 0.051 U	< 0.1 U	< 0.031 U	< 0.015 U	< 0.015 U	< 0.015 U	< 0.031 U	< 0.015 U	< 0.015 U	< 0.031 U	< 0.015 U	< 0.031 U	< 0.031 U
SB-18-A	27	77	N	6/21/2004	< 0.087 U	< 0.17 U	< 0.052 U	< 0.026 U	< 0.026 U	< 0.026 U	< 0.052 U	< 0.026 U	< 0.026 U	< 0.052 U	< 0.026 U	< 0.052 U	< 0.052 U
SB-18-A	27	87	N	6/21/2004	< 0.081 U	< 0.16 U	< 0.048 U	< 0.024 U	< 0.024 U	< 0.024 U	< 0.048 U	< 0.024 U	< 0.024 U	< 0.048 U	< 0.024 U	< 0.048 U	< 0.048 U
SB-18-A	27	97	N	6/21/2004	< 0.067 U	< 0.13 U	< 0.04 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.04 U	< 0.02 U	< 0.02 U	< 0.04 U	< 0.02 U	< 0.04 U	< 0.04 U
SB-19-A	27	0	N	7/8/2004	< 0.051 U	< 0.1 U	< 0.031 U	< 0.015 U	< 0.015 U	< 0.015 U	< 0.031 U	< 0.015 U	< 0.015 U	< 0.031 U	< 0.015 U	< 0.031 U	< 0.031 U

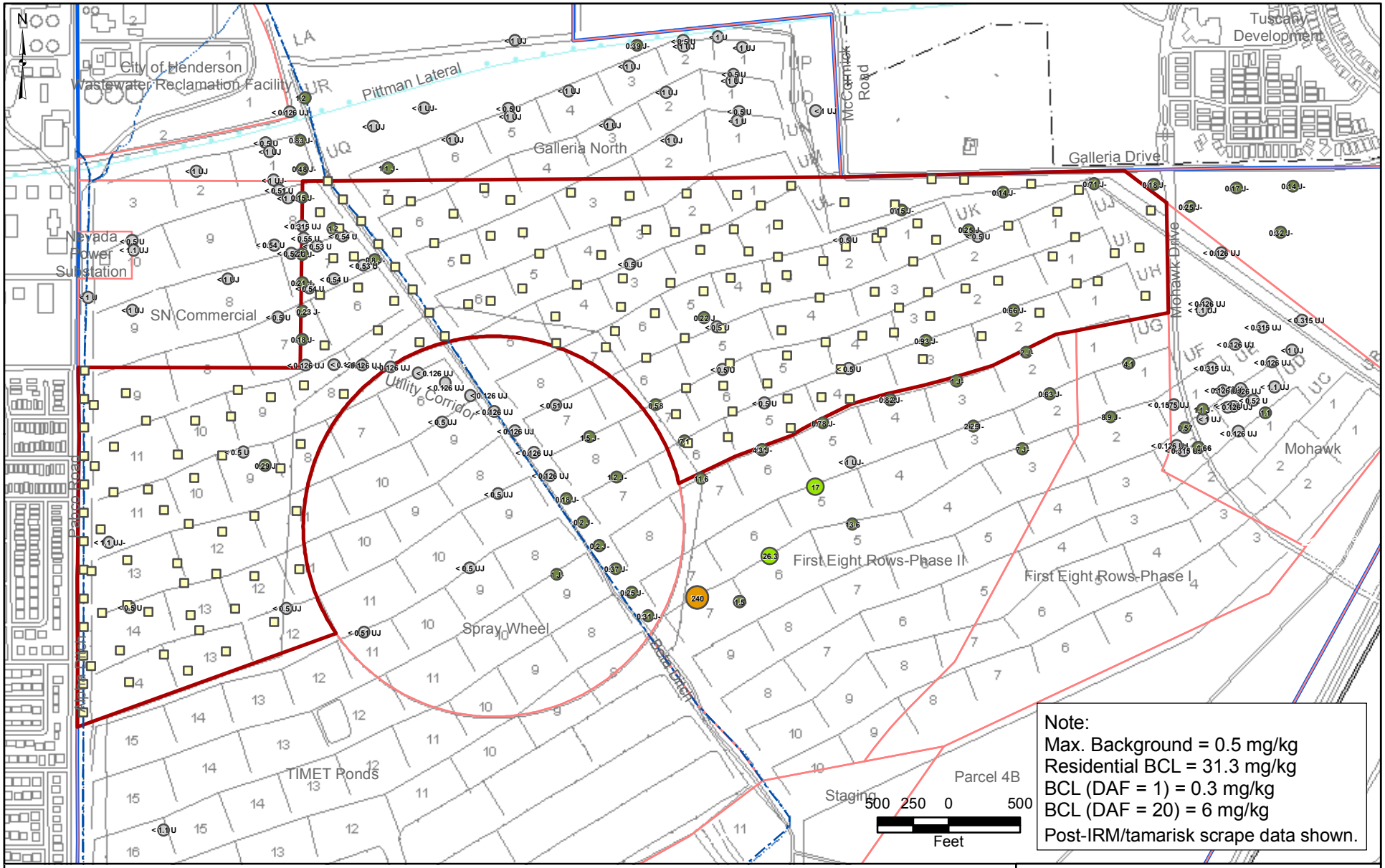
TABLE B-11
SOIL POLYAROMATIC HYDROCARBON DATA
UPPER PONDS SUB-AREA
(Page 3 of 3)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Polynuclear Aromatic Hydrocarbons (PAHs)												
					Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Pyrene
SB-19-A	27	7	N	7/8/2004	< 0.051 U	< 0.1 U	< 0.031 U	< 0.015 U	< 0.015 U	< 0.015 U	< 0.031 U	< 0.015 U	< 0.015 U	< 0.031 U	< 0.015 U	< 0.031 U	< 0.031 U
SB-19-A	27	17	N	7/8/2004	< 0.052 U	< 0.1 U	< 0.031 U	< 0.016 U	< 0.016 U	< 0.016 U	< 0.031 U	< 0.016 U	< 0.016 U	< 0.031 U	< 0.016 U	< 0.031 U	< 0.031 U
SB-19-A	27	27	N	7/8/2004	< 0.052 U	< 0.1 U	< 0.031 U	< 0.015 U	< 0.015 U	< 0.015 U	< 0.031 U	< 0.015 U	< 0.015 U	< 0.031 U	< 0.015 U	< 0.031 U	< 0.031 U
SB-19-A	27	57	N	7/9/2004	< 0.09 U	< 0.18 U	< 0.054 U	< 0.027 U	< 0.027 U	< 0.027 U	< 0.054 U	< 0.027 U	< 0.027 U	< 0.054 U	< 0.027 U	< 0.054 U	< 0.054 U
SB-19-A	27	77	N	7/9/2004	< 0.072 U	< 0.14 U	< 0.043 U	< 0.021 U	< 0.021 U	< 0.021 U	< 0.043 U	< 0.021 U	< 0.021 U	< 0.043 U	< 0.021 U	< 0.043 U	< 0.043 U
SB-19-A	27	97	N	7/9/2004	< 0.084 U	< 0.17 U	< 0.051 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.051 U	< 0.025 U	< 0.025 U	< 0.051 U	< 0.025 U	< 0.051 U	< 0.051 U
WC-AD02	39	0	N	8/3/2006	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U

Note: This table includes all data, regardless of depth. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Table 1, which includes data only to 10 feet bgs.
All units in mg/kg.
-- = no sample data.
Shaded results indicate soil has been excavated and removed.

APPENDIX C

SOIL CONCENTRATION DISTRIBUTION FIGURES



Upper Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas
SAP Proposed Soil Sample Location

Non-Detect
Detect < 1/2-Residential BCL
>= 1/2-BCL and < BCL
>= BCL and < 10x BCL
>= 10x BCL

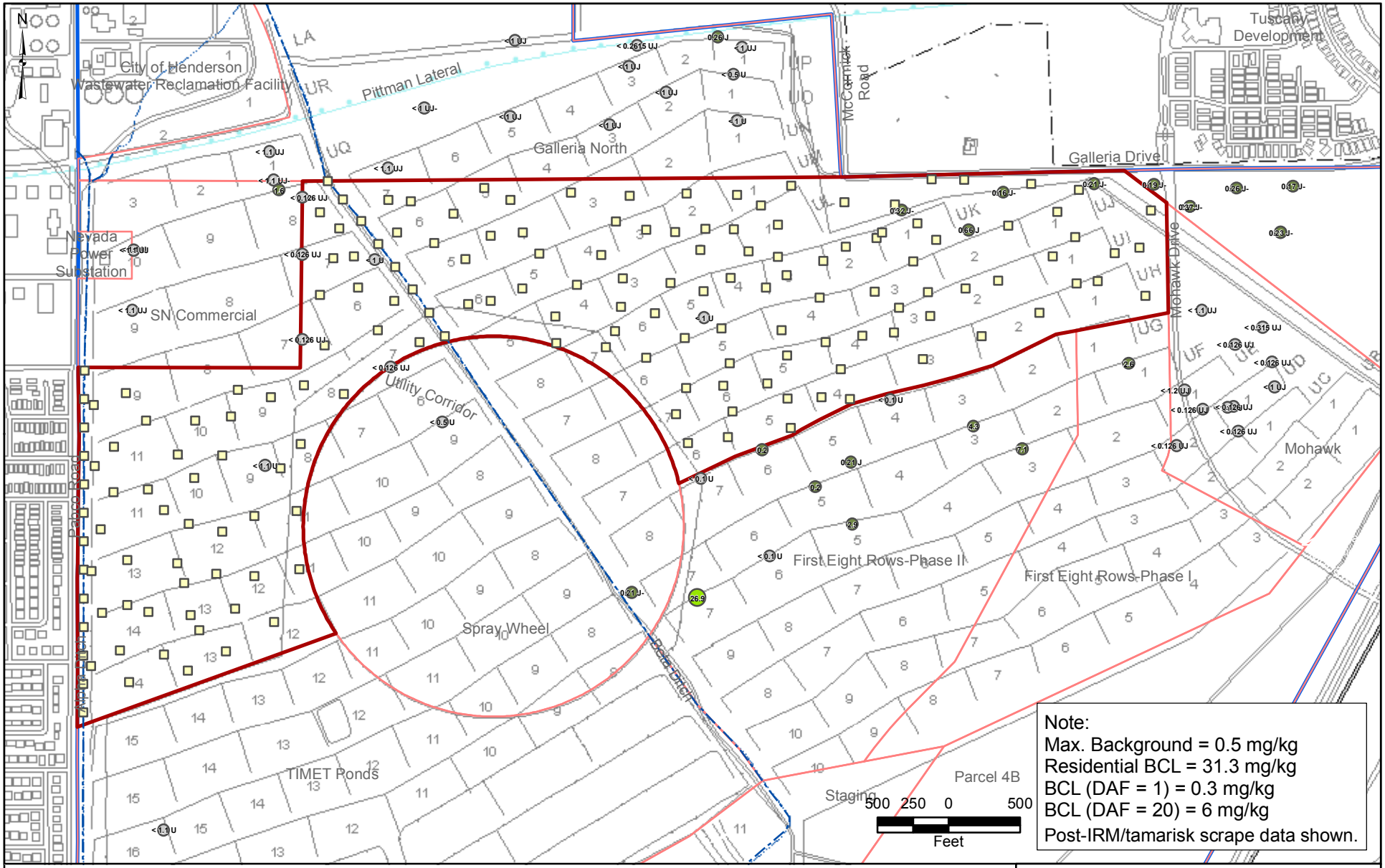
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-1

ANTIMONY RESULTS IN UPPER PONDS SUB-AREA AND ADJACENT 1,000 FT 0 to 2 FT BGS

Basic Remediation COMPANY

Prepared by MKJ (ERM) | ERM | Date 04/14/09 | JOB No. 0064276 | FILE: GIS/BRC/UPPER-PONDS_SAP/APPENDIX_C.MXD



Upper Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas
SAP Proposed Soil Sample Location

Non-Detect
Detect < 1/2-Residential BCL
>= 1/2-BCL and < BCL
>= BCL and < 10x BCL
>= 10x BCL

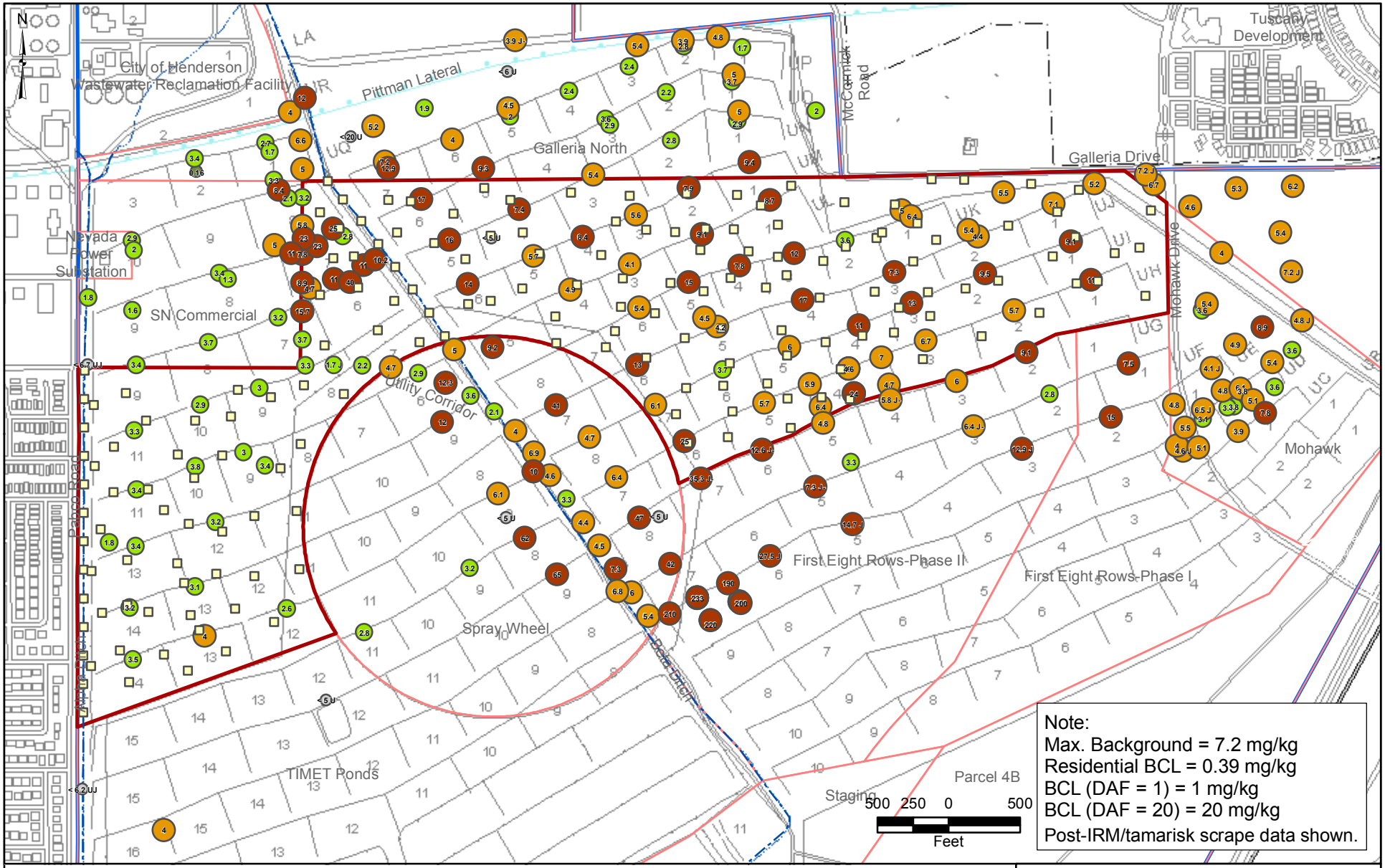
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-2

ANTIMONY RESULTS IN UPPER PONDS SUB-AREA AND ADJACENT 1,000 FT 3 to 10 FT BGS

Basic Remediation COMPANY

Prepared by MKJ (ERM) | ERM | Date 04/14/09 | JOB No. 0064276 | FILE: GIS/BRC/UPPER-PONDS_SAP/APPENDIX_C.MXD



Upper Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas
SAP Proposed Soil Sample Location

Non-Detect
Detect < Residential BCL
>= BCL and < 10x BCL
>= 10x BCL and < Max. Background
>= Max. Background

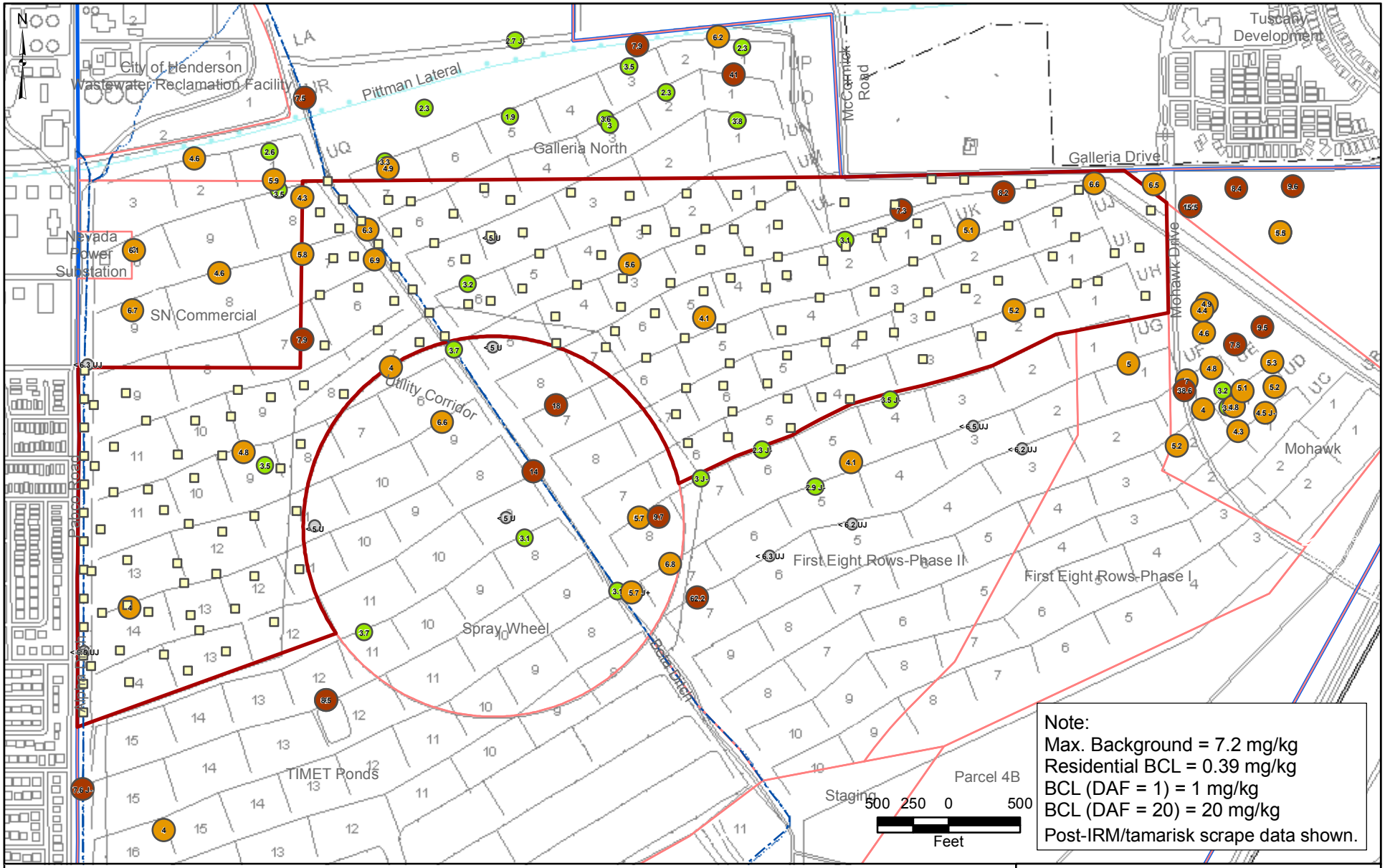
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-3

ARSENIC RESULTS IN UPPER PONDS SUB-AREA AND ADJACENT 1,000 FT 0 to 2 FT BGS

Basic Remediation COMPANY

Prepared by MKJ (ERM) | ERM | Date 04/14/09 | JOB No. 0064276 | FILE: GIS/BRC/UPPER-PONDS_SAP/APPENDIX_C.MXD



Upper Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas
SAP Proposed Soil Sample Location

Non-Detect
Detect < Residential BCL
>= BCL and < 10x BCL
>= 10x BCL and < Max. Background
>= Max. Background

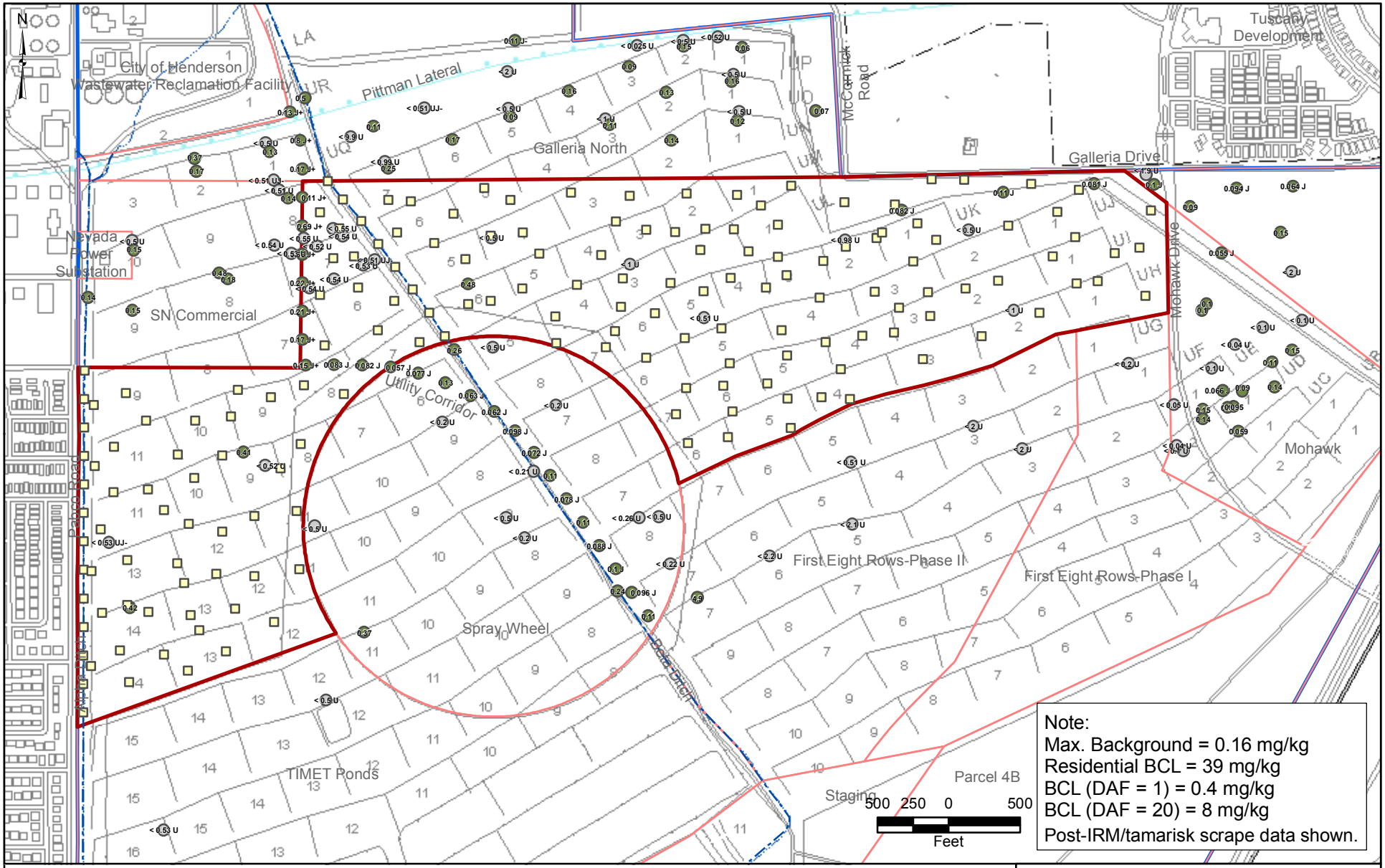
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-4

ARSENIC RESULTS IN UPPER PONDS SUB-AREA AND ADJACENT 1,000 FT 3 to 10 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	04/14/09	FILE: GIS/BRC/UPPER-PONDS_SAP/APPENDIX_C.MXD



Upper Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas
SAP Proposed Soil Sample Location

Non-Detect
Detect < 1/2-Residential BCL
>= 1/2-BCL and < BCL
>= BCL and < 10x BCL
>= 10x BCL

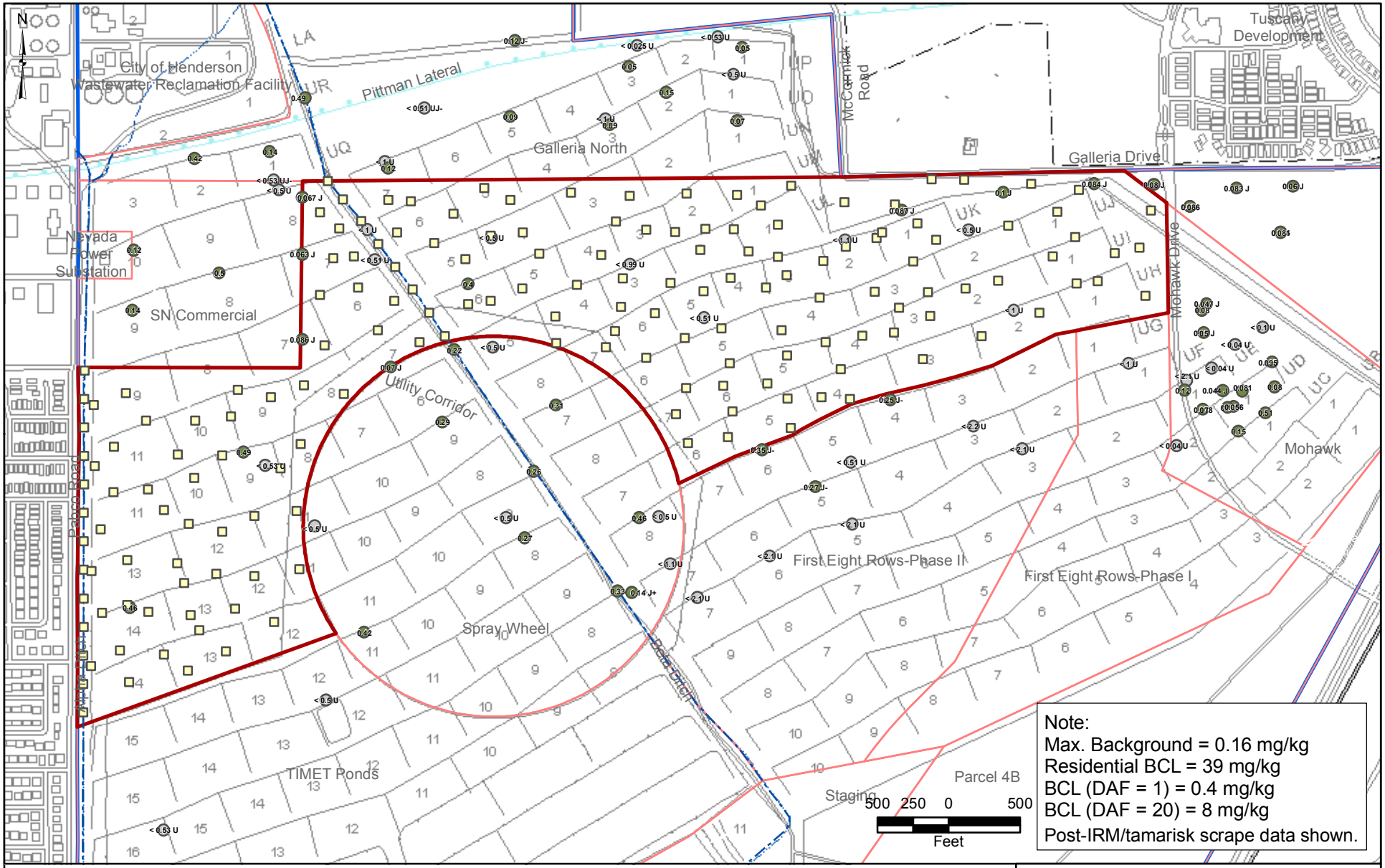
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-5

CADMIUM RESULTS IN UPPER PONDS SUB-AREA AND ADJACENT 1,000 FT 0 to 2 FT BGS

Basic Remediation COMPANY

Prepared by MKJ (ERM)	Date 04/14/09	JOB No. 0064276 FILE: GIS/BRC/UPPER-PONDS_SAP/APPENDIX_C.MXD



Upper Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas
SAP Proposed Soil Sample Location

Non-Detect
Detect < 1/2-Residential BCL
>= 1/2-BCL and < BCL
>= BCL and < 10x BCL
>= 10x BCL

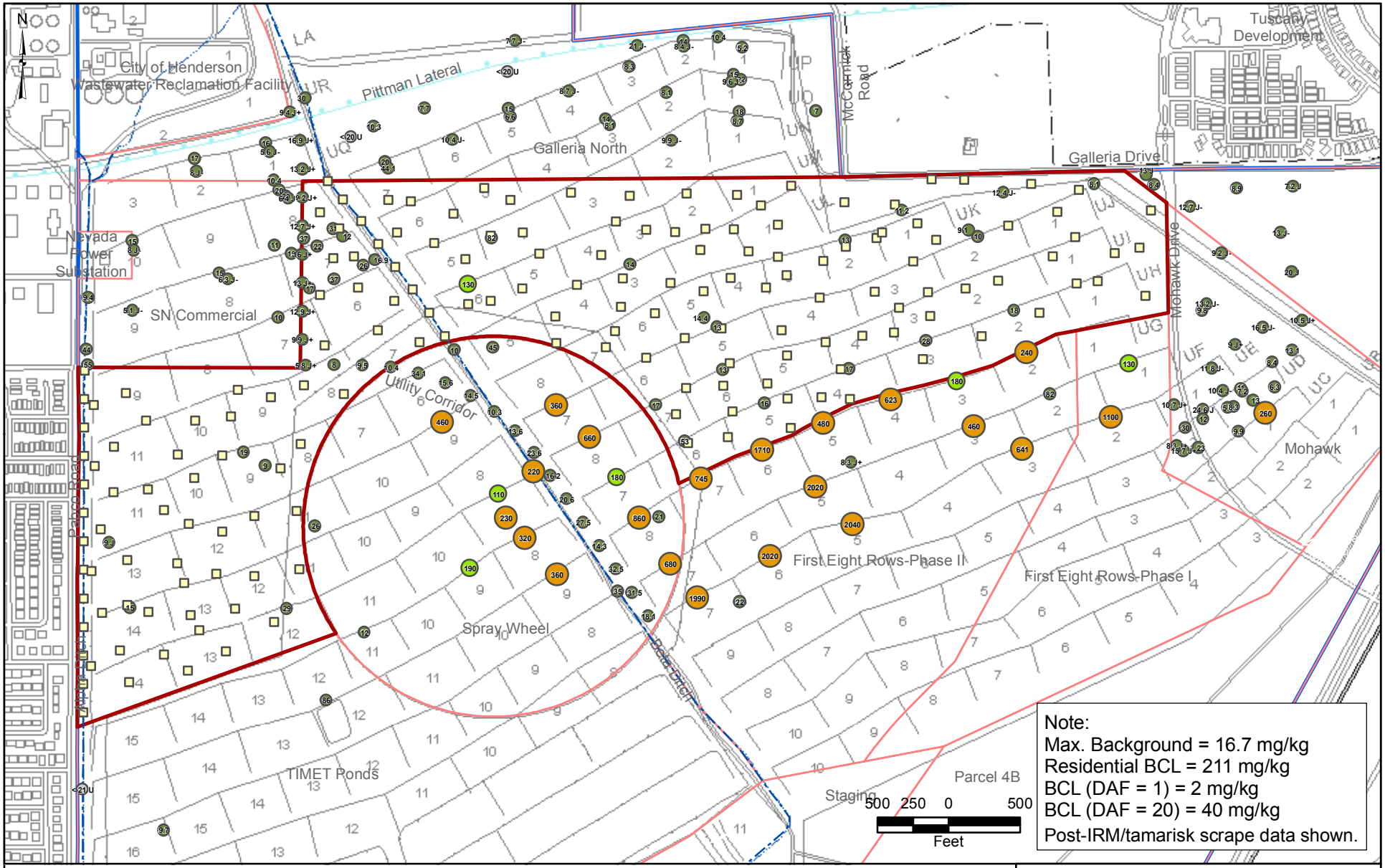
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-6

CADMIUM RESULTS IN UPPER PONDS SUB-AREA AND ADJACENT 1,000 FT 3 to 10 FT BGS

Basic Remediation COMPANY

Prepared by MKJ (ERM) | ERM | Date 04/14/09 | JOB No. 0064276 | FILE: GIS/BRC/UPPER-PONDS_SAP/APPENDIX_C.MXD



Upper Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas
SAP Proposed Soil Sample Location

Non-Detect
Detect < 1/2-Residential BCL
>= 1/2-BCL and < BCL
>= BCL and < 10x BCL
>= 10x BCL

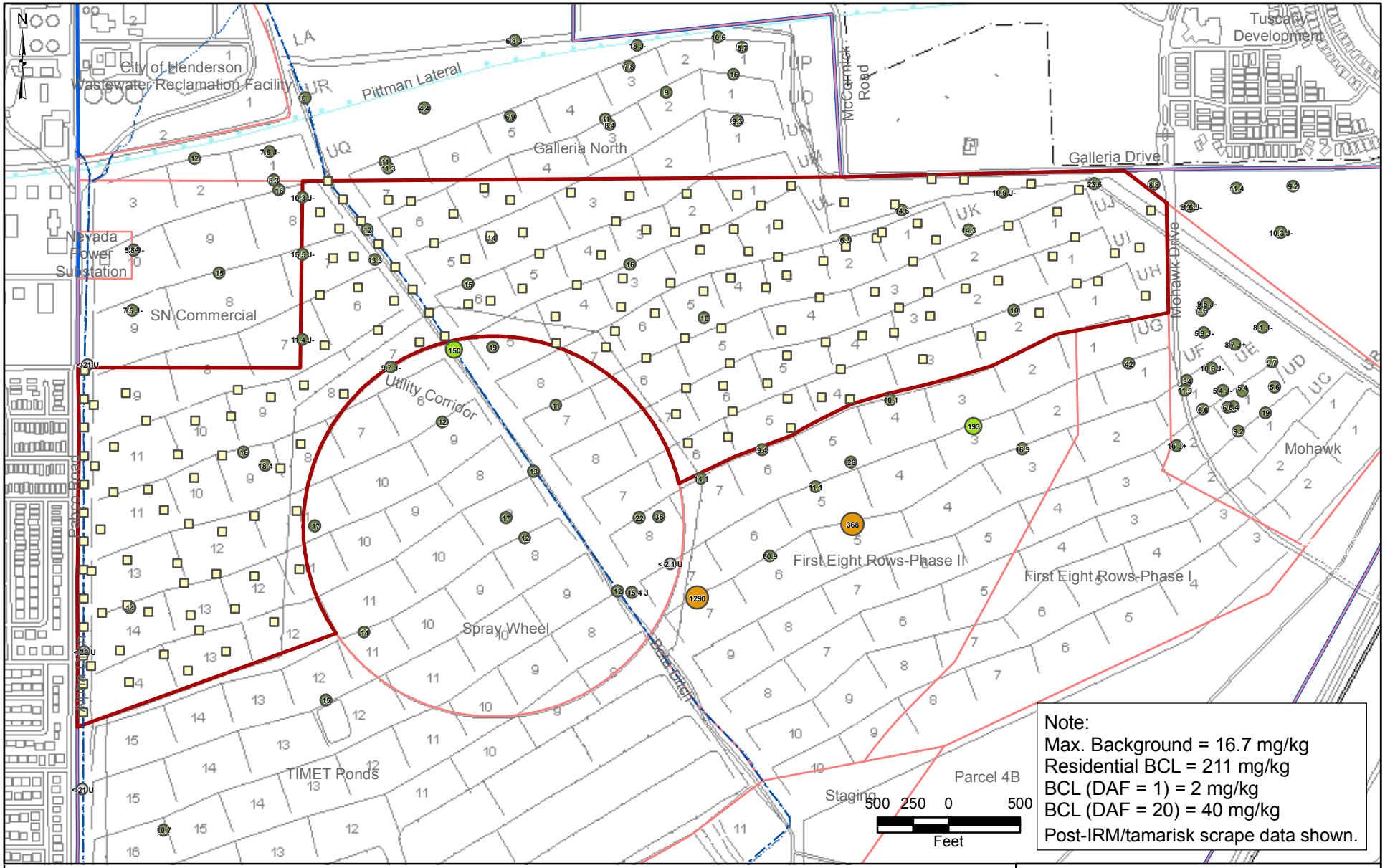
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-7

TOTAL CHROMIUM RESULTS IN UPPER PONDS SUB-AREA AND ADJACENT 1,000 FT - 0 to 2 FT BGS

Basic Remediation COMPANY

Prepared by MKJ (ERM)	ERM	Date 04/14/09	JOB No. 0064276 FILE: GIS/BRC/UPPER-PONDS_SAP/APPENDIX_C.MXD



Upper Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas
SAP Proposed Soil Sample Location

Non-Detect
Detect < 1/2-Residential BCL
>= 1/2-BCL and < BCL
>= BCL and < 10x BCL
>= 10x BCL

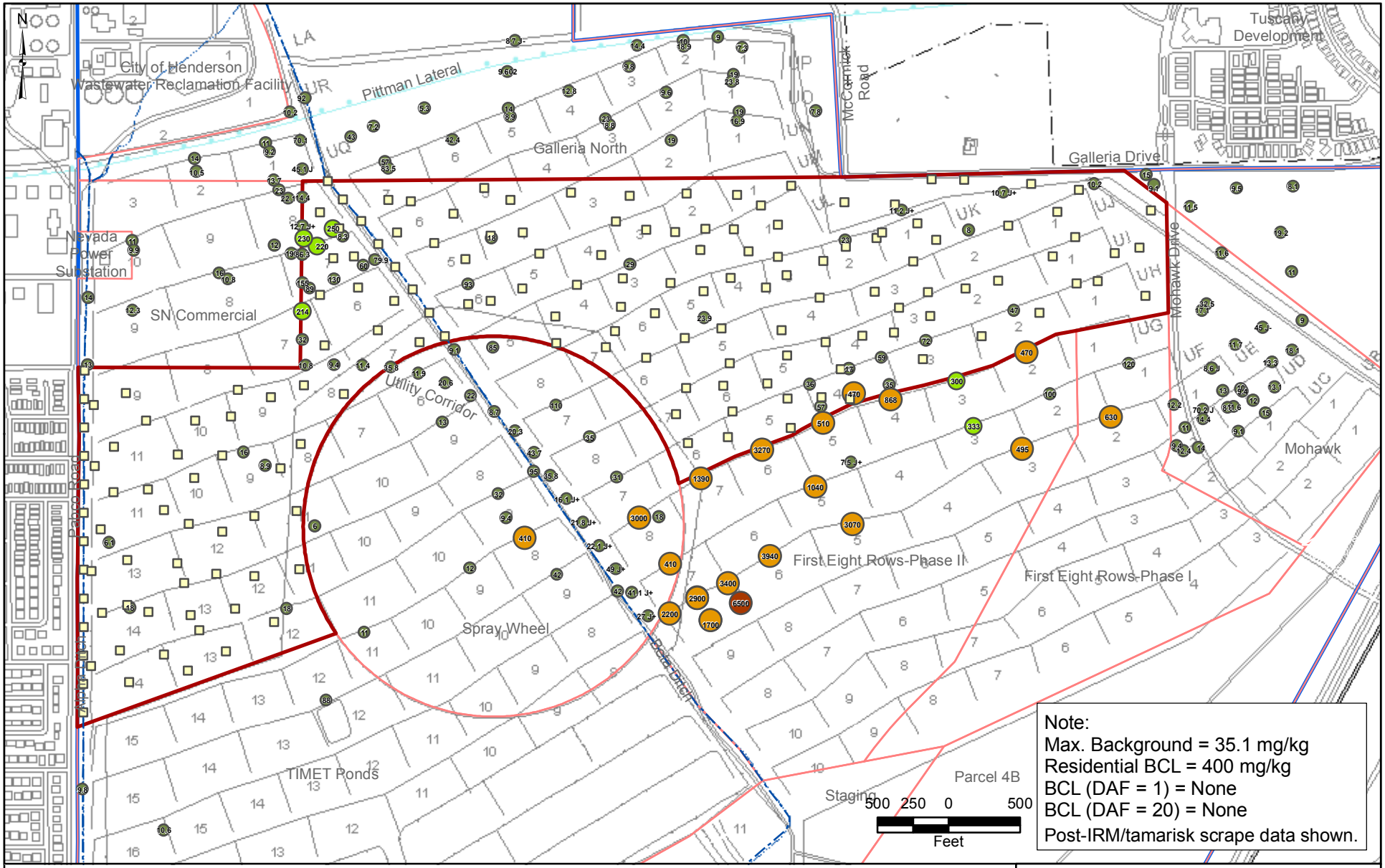
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-8

TOTAL CHROMIUM RESULTS IN UPPER PONDS SUB-AREA AND ADJACENT 1,000 FT - 3 to 10 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	04/14/09	FILE: GIS/BRC/UPPER-PONDS_SAP/APPENDIX_C.MXD



Upper Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas
SAP Proposed Soil Sample Location

Non-Detect
Detect < 1/2-Residential BCL
>= 1/2-BCL and < BCL
>= BCL and < 10x BCL
>= 10x BCL

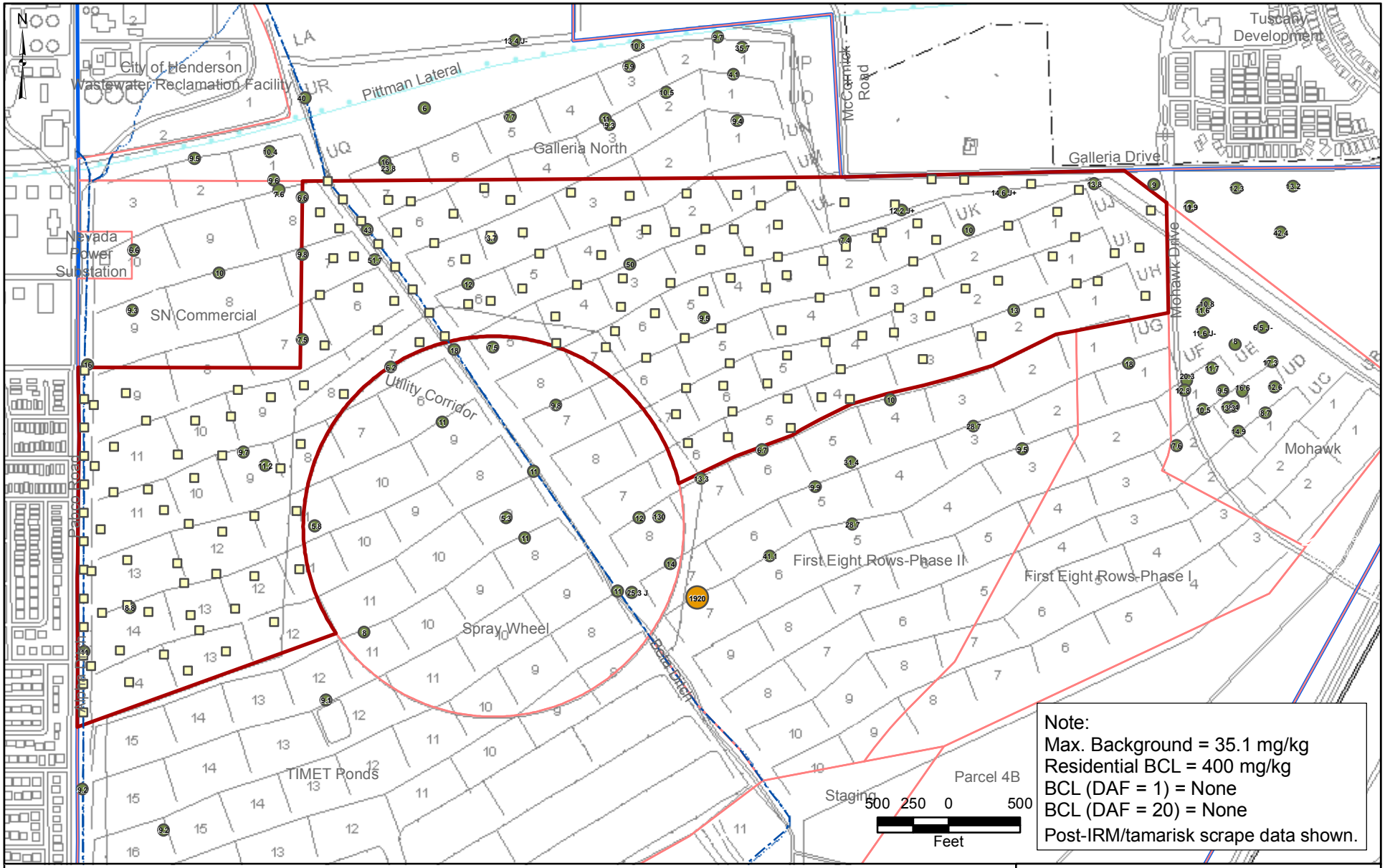
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-9

LEAD RESULTS IN UPPER PONDS SUB-AREA AND ADJACENT 1,000 FT 0 to 2 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	04/14/09	FILE: GIS/BRC/UPPER-PONDS_SAP/APPENDIX_C.MXD



Upper Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas
SAP Proposed Soil Sample Location

Non-Detect
Detect < 1/2-Residential BCL
>= 1/2-BCL and < BCL
>= BCL and < 10x BCL
>= 10x BCL

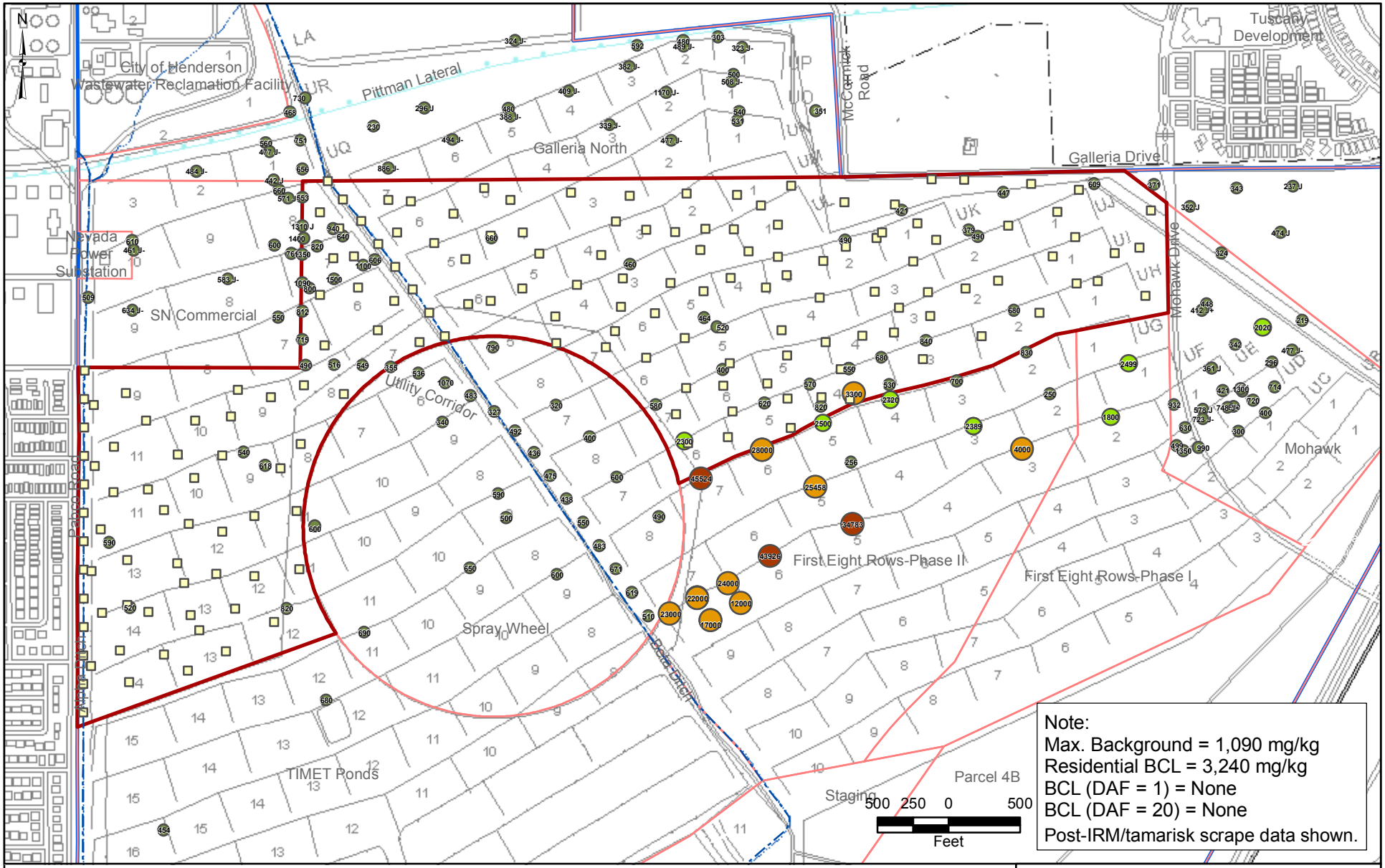
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-10

LEAD RESULTS IN UPPER PONDS SUB-AREA AND ADJACENT 1,000 FT 3 to 10 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	04/14/09	FILE: GIS/BRC/UPPER-PONDS_SAP/APPENDIX_C.MXD



Upper Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas
SAP Proposed Soil Sample Location

Non-Detect
Detect < 1/2-Residential BCL
>= 1/2-BCL and < BCL
>= BCL and < 10x BCL
>= 10x BCL

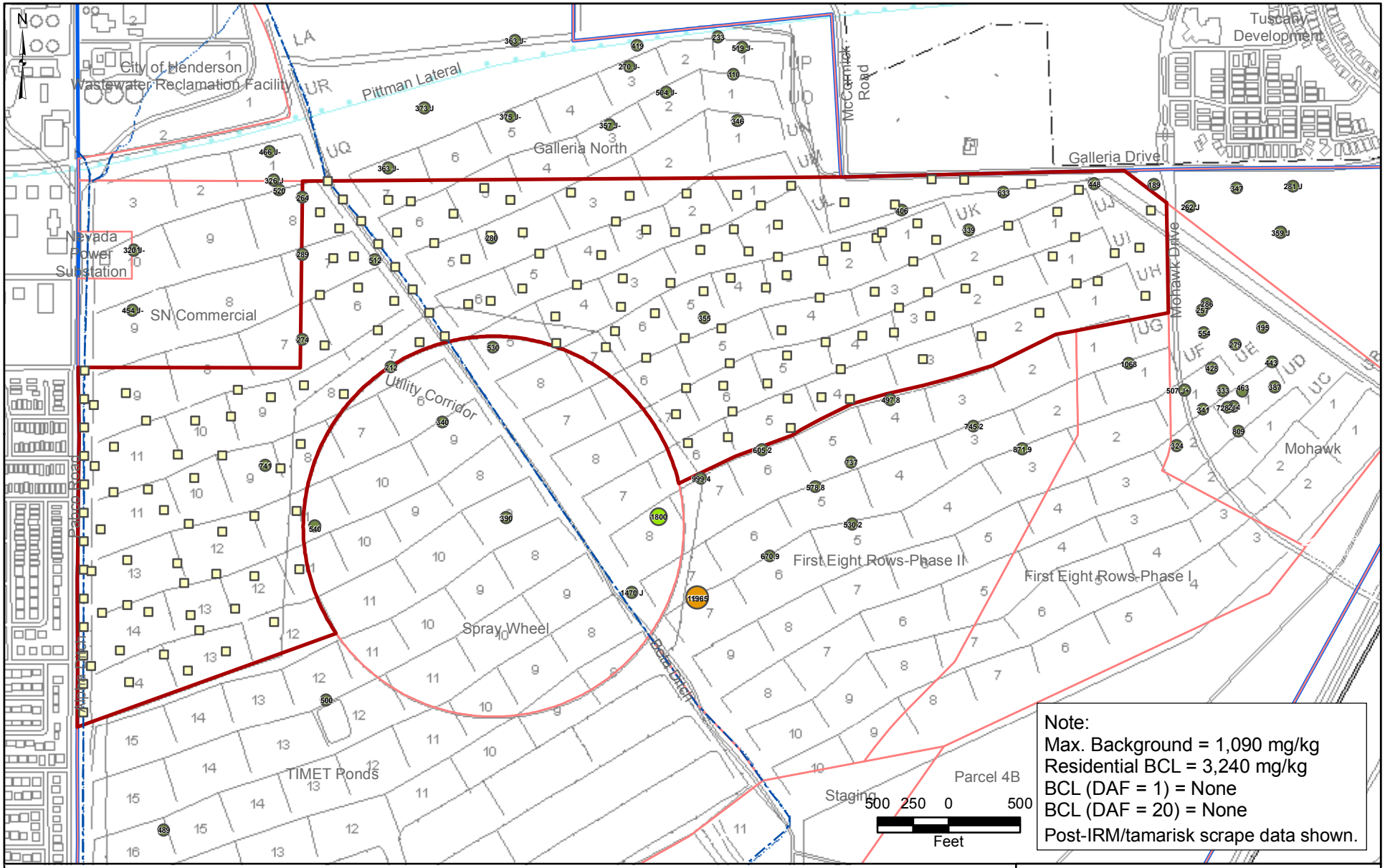
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-11

MANGANESE RESULTS IN UPPER PONDS SUB-AREA AND ADJACENT 1,000 FT 0 to 2 FT BGS

Basic Remediation COMPANY

Prepared by MKJ (ERM) | ERM | Date 04/14/09 | JOB No. 0064276 | FILE: GIS/BRC/UPPER-PONDS_SAP/APPENDIX_C.MXD



Upper Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas
SAP Proposed Soil Sample Location

Non-Detect
Detect < 1/2-Residential BCL
>= 1/2-BCL and < BCL
>= BCL and < 10x BCL
>= 10x BCL

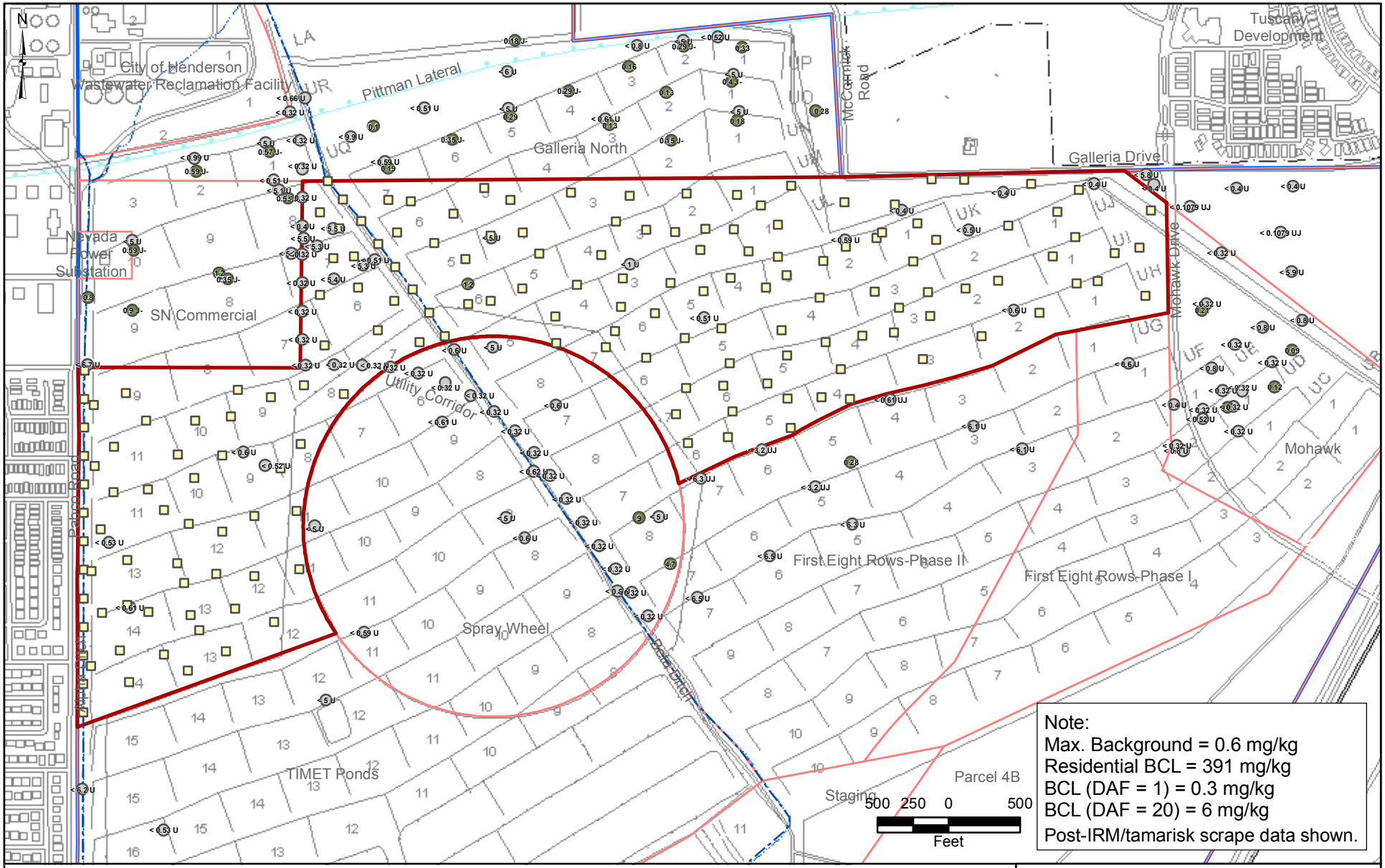
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-12

MANGANESE RESULTS IN UPPER PONDS SUB-AREA AND ADJACENT 1,000 FT 3 to 10 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	04/14/09	FILE: GIS/BRC/UPPER-PONDS_SAP/APPENDIX_C.MXD



Upper Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas
SAP Proposed Soil Sample Location

Non-Detect
Detect < 1/2-Residential BCL
>= 1/2-BCL and < BCL
>= BCL and < 10x BCL
>= 10x BCL

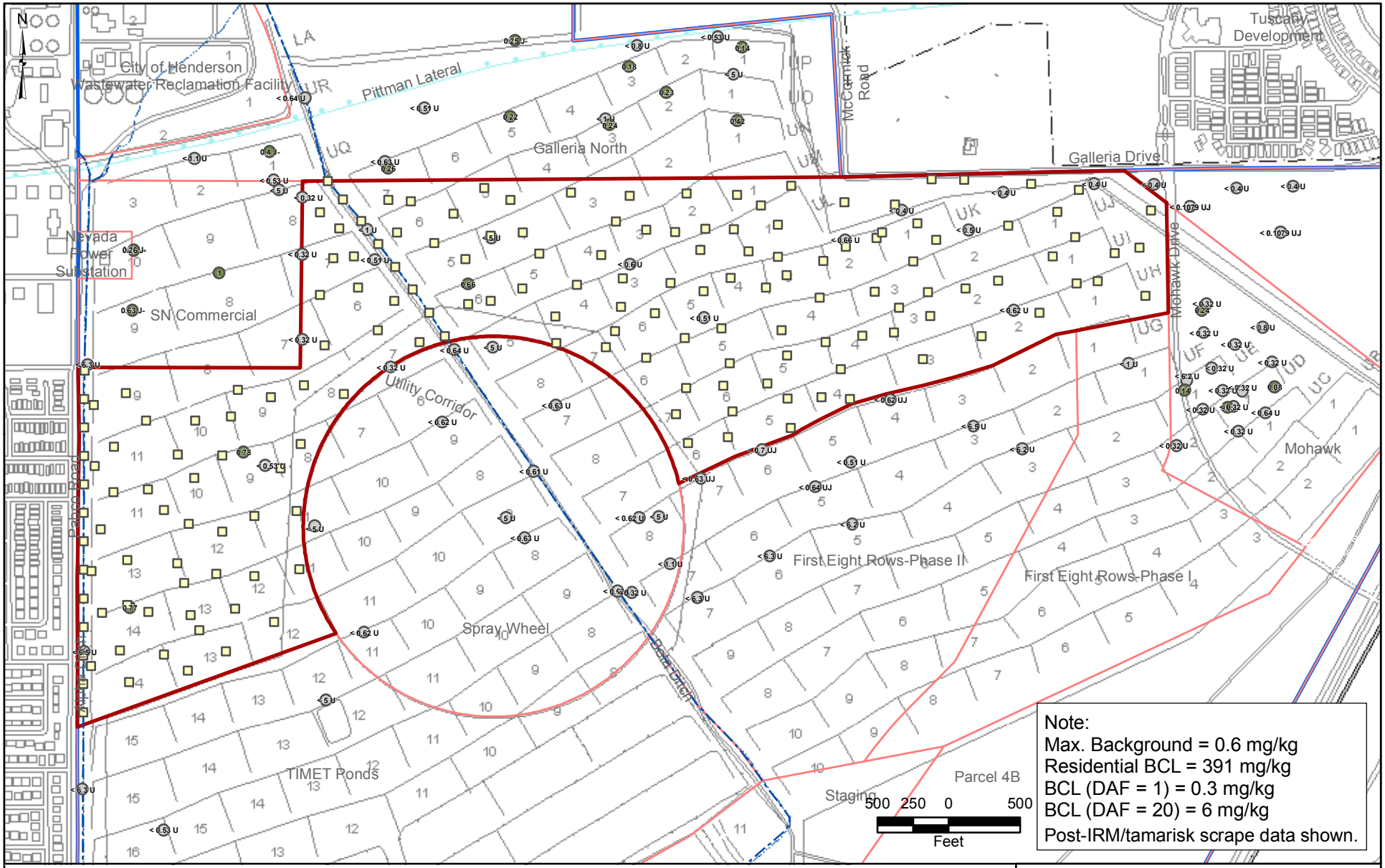
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-13

SELENIUM RESULTS IN UPPER PONDS SUB-AREA AND ADJACENT 1,000 FT 0 to 2 FT BGS

Basic Remediation COMPANY

Prepared by MKJ (ERM)	ERM	Date 04/14/09	JOB No. 0064276 FILE: GIS/BRC/UPPER-PONDS_SAP/APPENDIX_C.MXD



Upper Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas
SAP Proposed Soil Sample Location

Non-Detect
Detect < 1/2-Residential BCL
>= 1/2-BCL and < BCL
>= BCL and < 10x BCL
>= 10x BCL

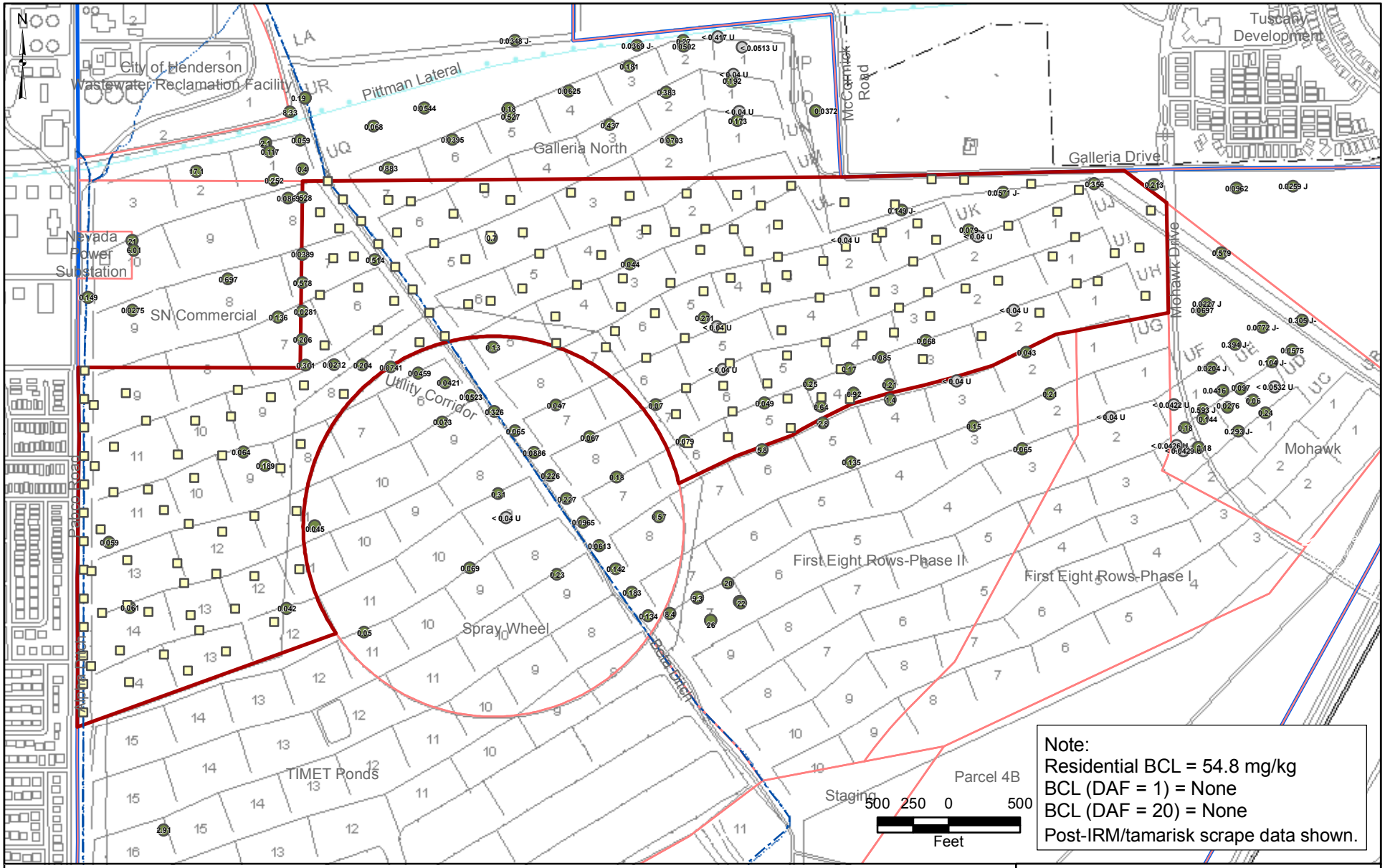
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-14

SELENIUM RESULTS IN UPPER PONDS SUB-AREA AND ADJACENT 1,000 FT 3 to 10 FT BGS

Basic Remediation COMPANY

Prepared by MKJ (ERM) | ERM | Date 04/14/09 | JOB No. 0064276 | FILE: GIS/BRC/UPPER-PONDS_SAP/APPENDIX_C.MXD



Upper Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas
SAP Proposed Soil Sample Location

Non-Detect
Detect < 1/2-Residential BCL
>= 1/2-BCL and < BCL
>= BCL and < 10x BCL
>= 10x BCL

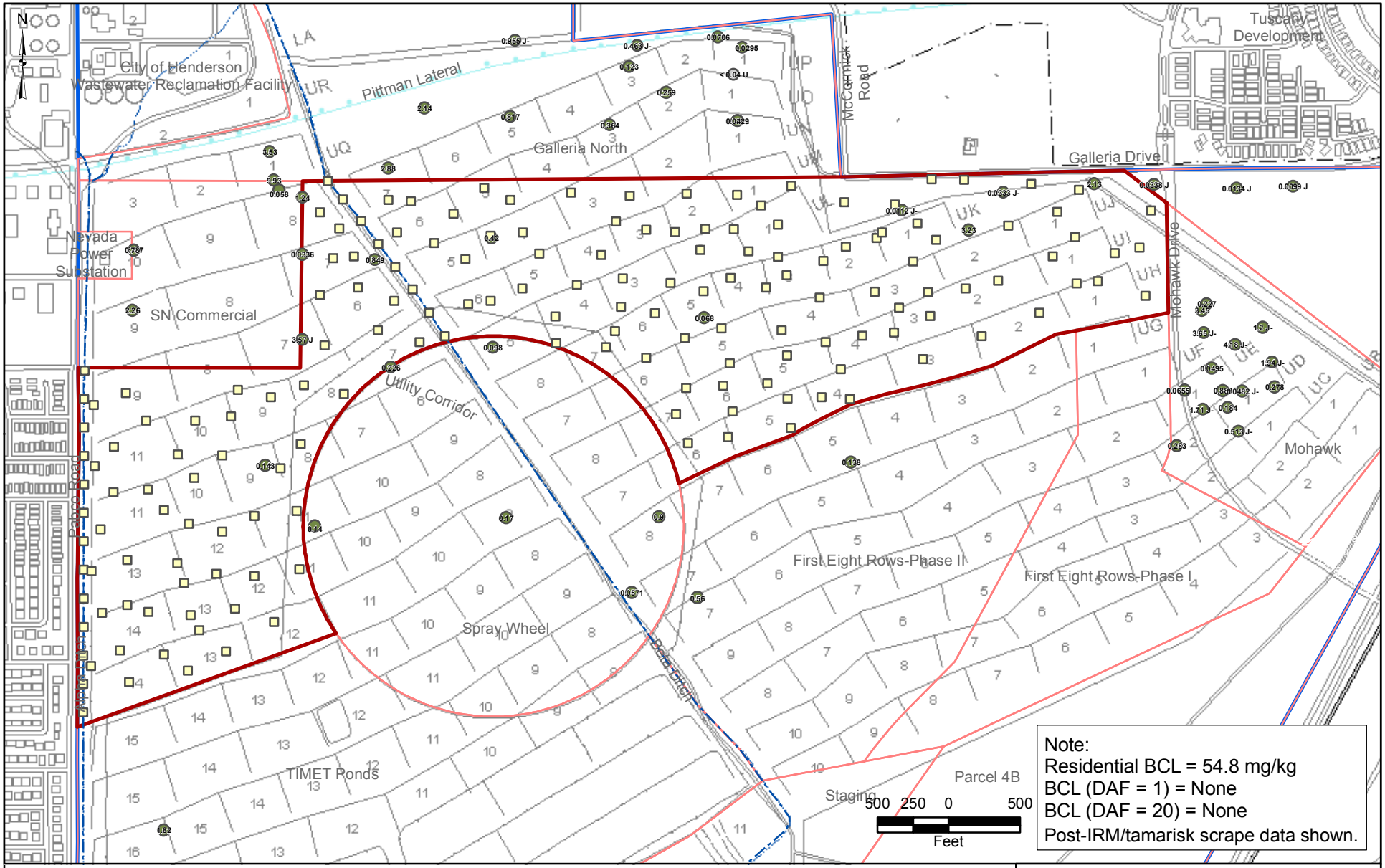
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-15

PERCHLORATE RESULTS IN UPPER PONDS SUB-AREA AND ADJACENT 1,000 FT 0 to 2 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	04/14/09	FILE: GIS/BRC/UPPER-PONDS_SAP/APPENDIX_C.MXD



Upper Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas
SAP Proposed Soil Sample Location

Non-Detect
Detect < 1/2-Residential BCL
>= 1/2-BCL and < BCL
>= BCL and < 10x BCL
>= 10x BCL

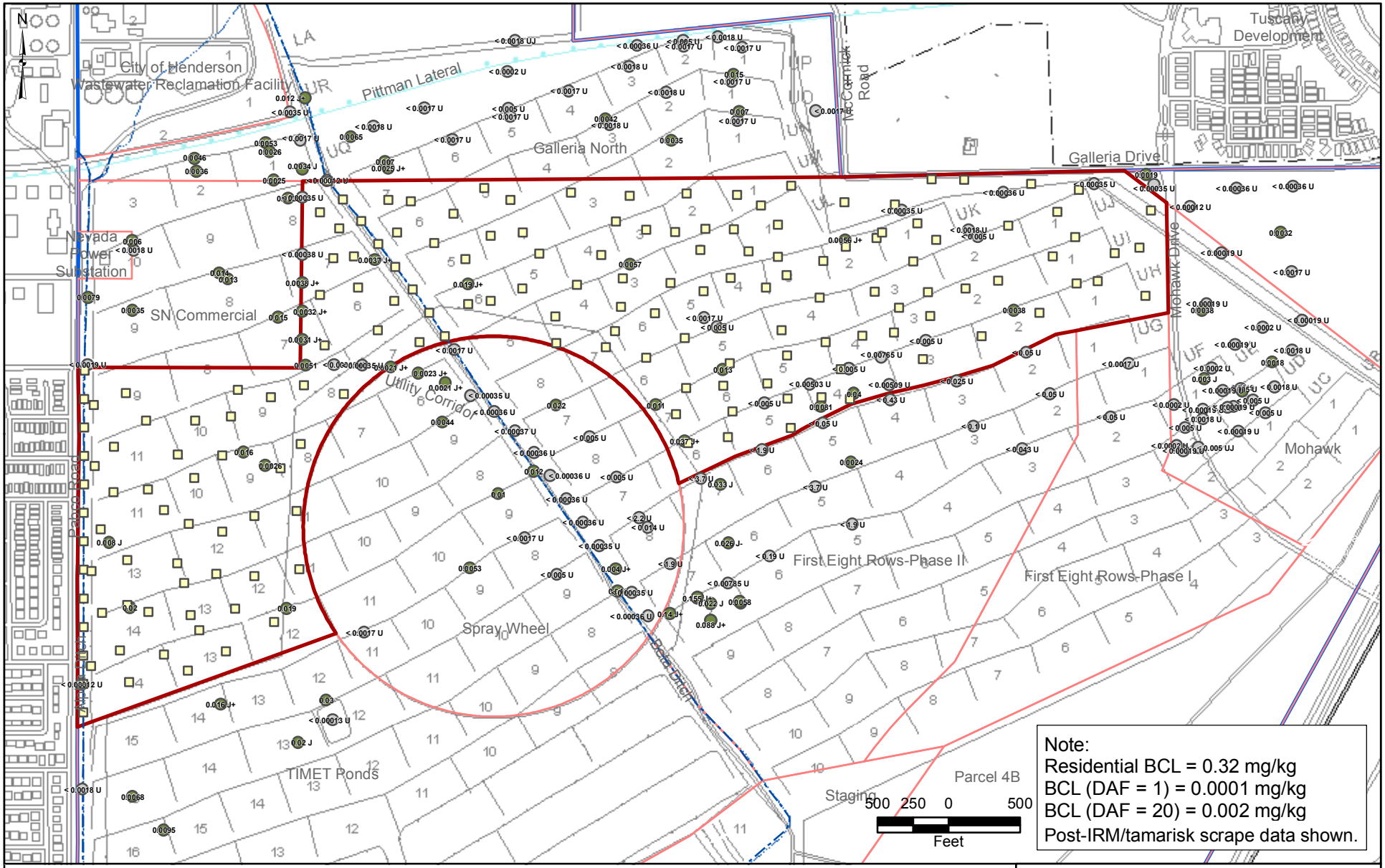
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-16

PERCHLORATE RESULTS IN UPPER PONDS SUB-AREA AND ADJACENT 1,000 FT 3 to 10 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	04/14/09	FILE: GIS/BRC/UPPER-PONDS_SAP/APPENDIX_C.MXD



Upper Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas
SAP Proposed Soil Sample Location

Non-Detect
Detect < 1/2-Residential BCL
>= 1/2-BCL and < BCL
>= BCL and < 10x BCL
>= 10x BCL

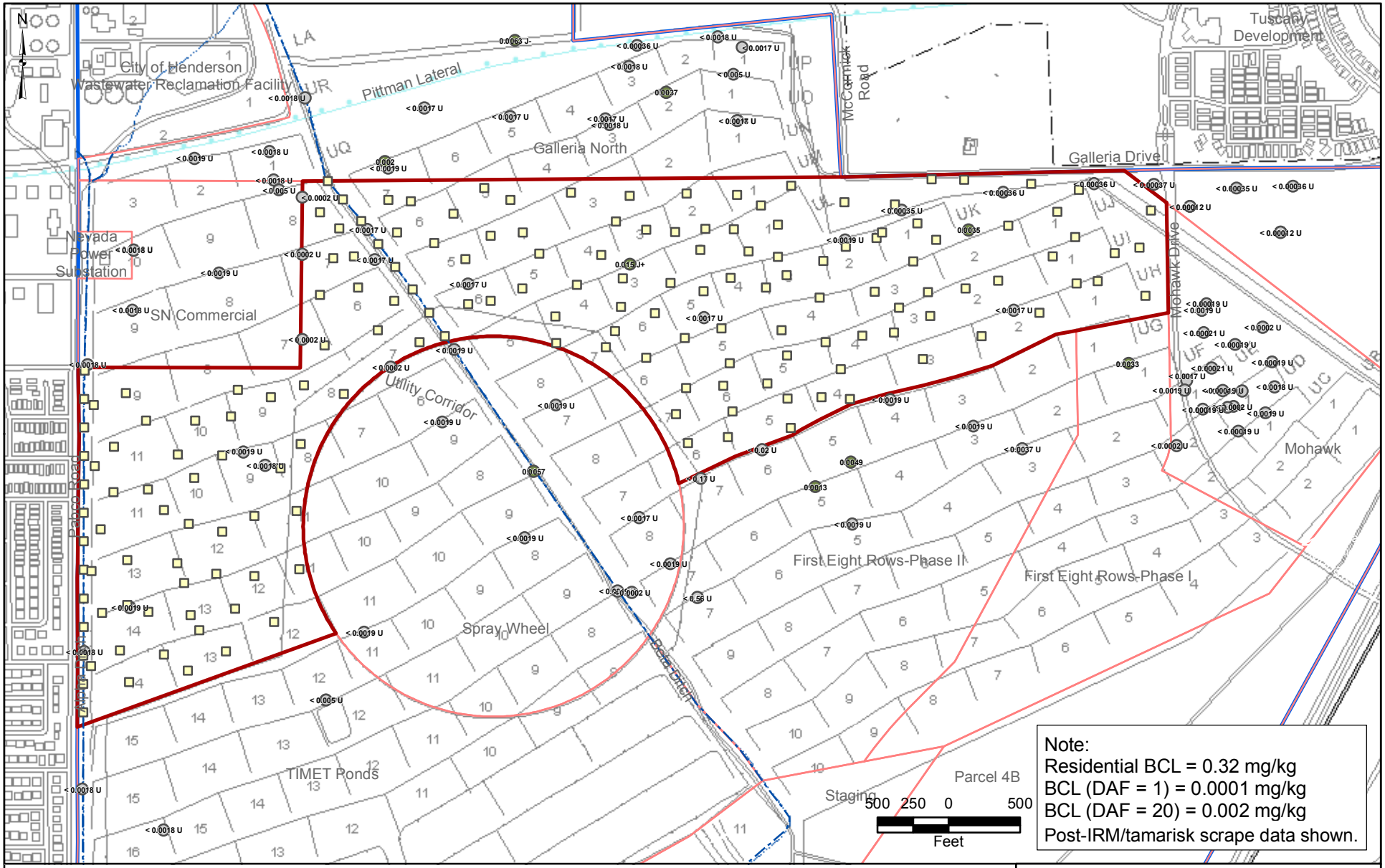
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-17

BETA-BHC RESULTS IN UPPER PONDS SUB-AREA AND ADJACENT 1,000 FT 0 to 2 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	04/14/09	FILE: GIS/BRC/UPPER-PONDS_SAP/APPENDIX_C.MXD



Upper Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas
SAP Proposed Soil Sample Location

Non-Detect
Detect < 1/2-Residential BCL
>= 1/2-BCL and < BCL
>= BCL and < 10x BCL
>= 10x BCL

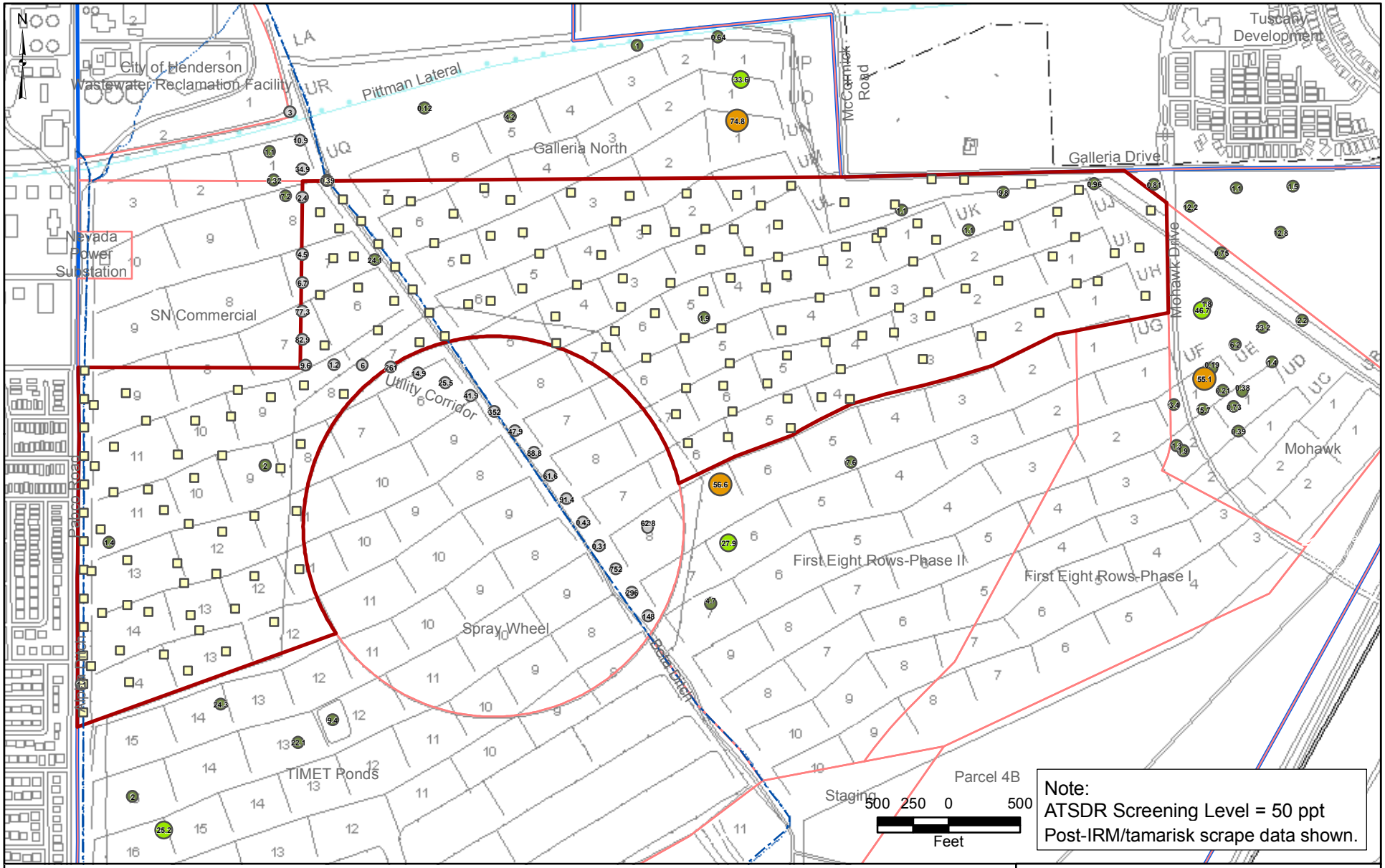
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-18

BETA-BHC RESULTS IN UPPER PONDS SUB-AREA AND ADJACENT 1,000 FT 3 to 10 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	04/14/09	FILE: GIS/BRC/UPPER-PONDS_SAP/APPENDIX_C.MXD



Upper Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas
SAP Proposed Soil Sample Location

Non-Detect
Detect < 1/2-ATSDR SL (50 ppt)
>= 1/2-ATSDR SL and < ATSDR SL
>= ATSDR SL and < 10x ATSDR SL
>= 10x ATSDR SL

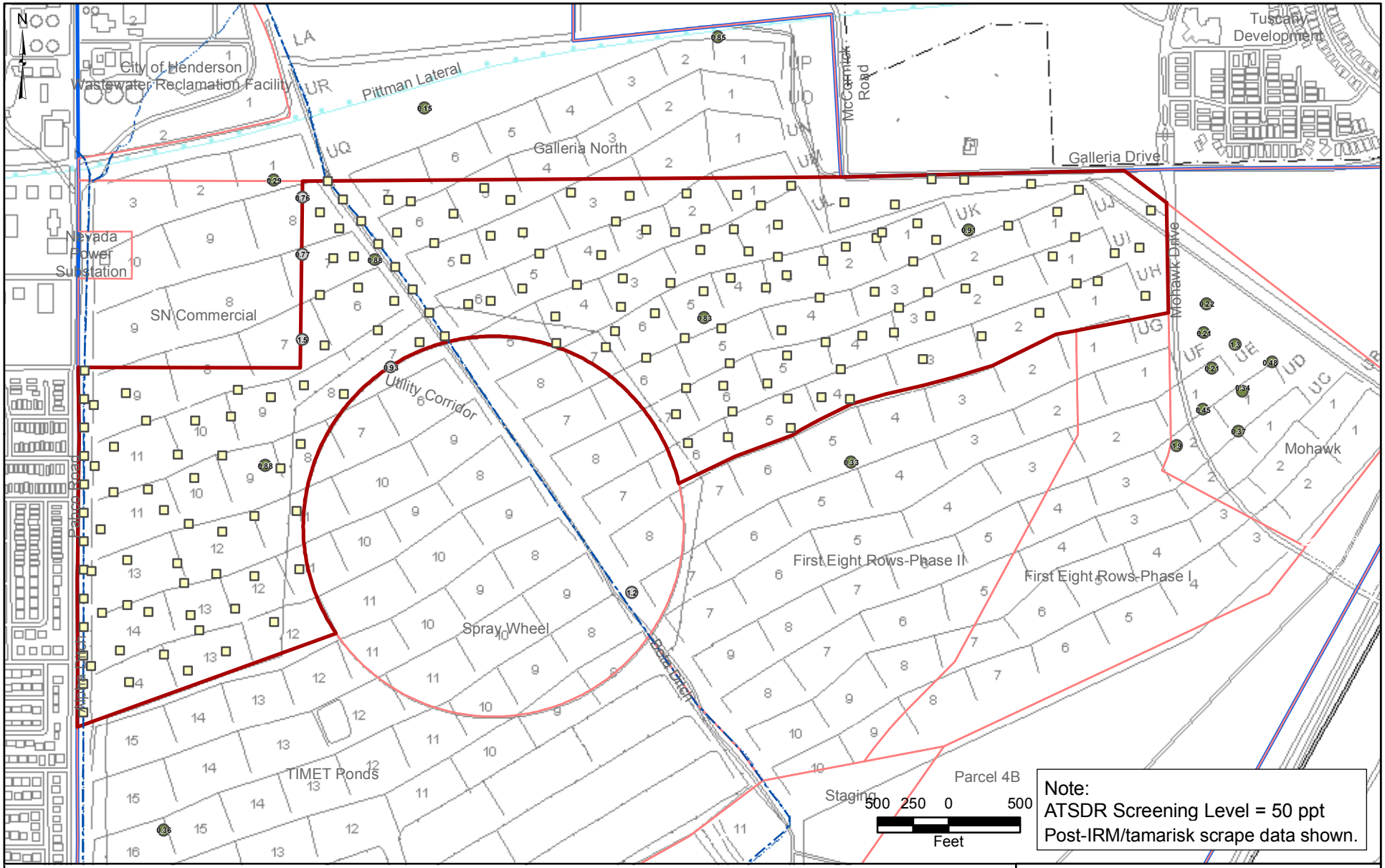
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-19

TCDD TEQ RESULTS IN UPPER PONDS SUB-AREA AND ADJACENT 1,000 FT 0 to 2 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	04/14/09	FILE: GIS/BRC/UPPER-PONDS_SAP/APPENDIX_C.MXD



Upper Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas
SAP Proposed Soil Sample Location

Non-Detect
Detect < 1/2-ATSDR SL (50 ppt)
>= 1/2-ATSDR SL and < ATSDR SL
>= ATSDR SL and < 10x ATSDR SL
>= 10x ATSDR SL

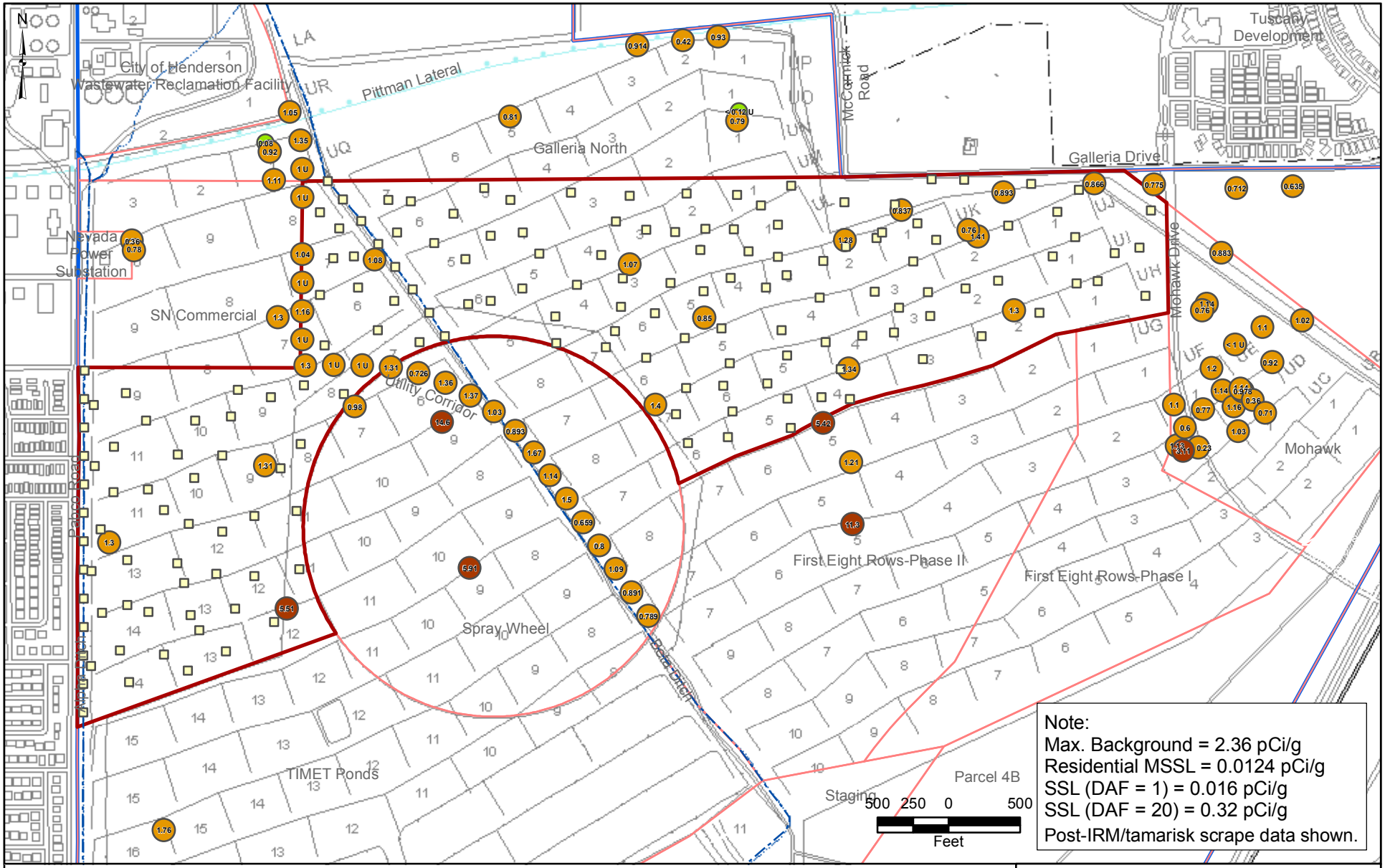
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-20

TCDD TEQ RESULTS IN UPPER PONDS SUB-AREA AND ADJACENT 1,000 FT 3 to 10 FT BGS

Basic Remediation COMPANY

Prepared by MKJ (ERM) | ERM | Date 04/14/09 | JOB No. 0064276 | FILE: GIS/BRC/UPPER-PONDS_SAP/APPENDIX_C.MXD



Upper Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas
SAP Proposed Soil Sample Location

Non-Detect
Detect < Residential PRG
>= PRG and < 10x PRG
>= 10x PRG and < Max. Background
>= Max. Background

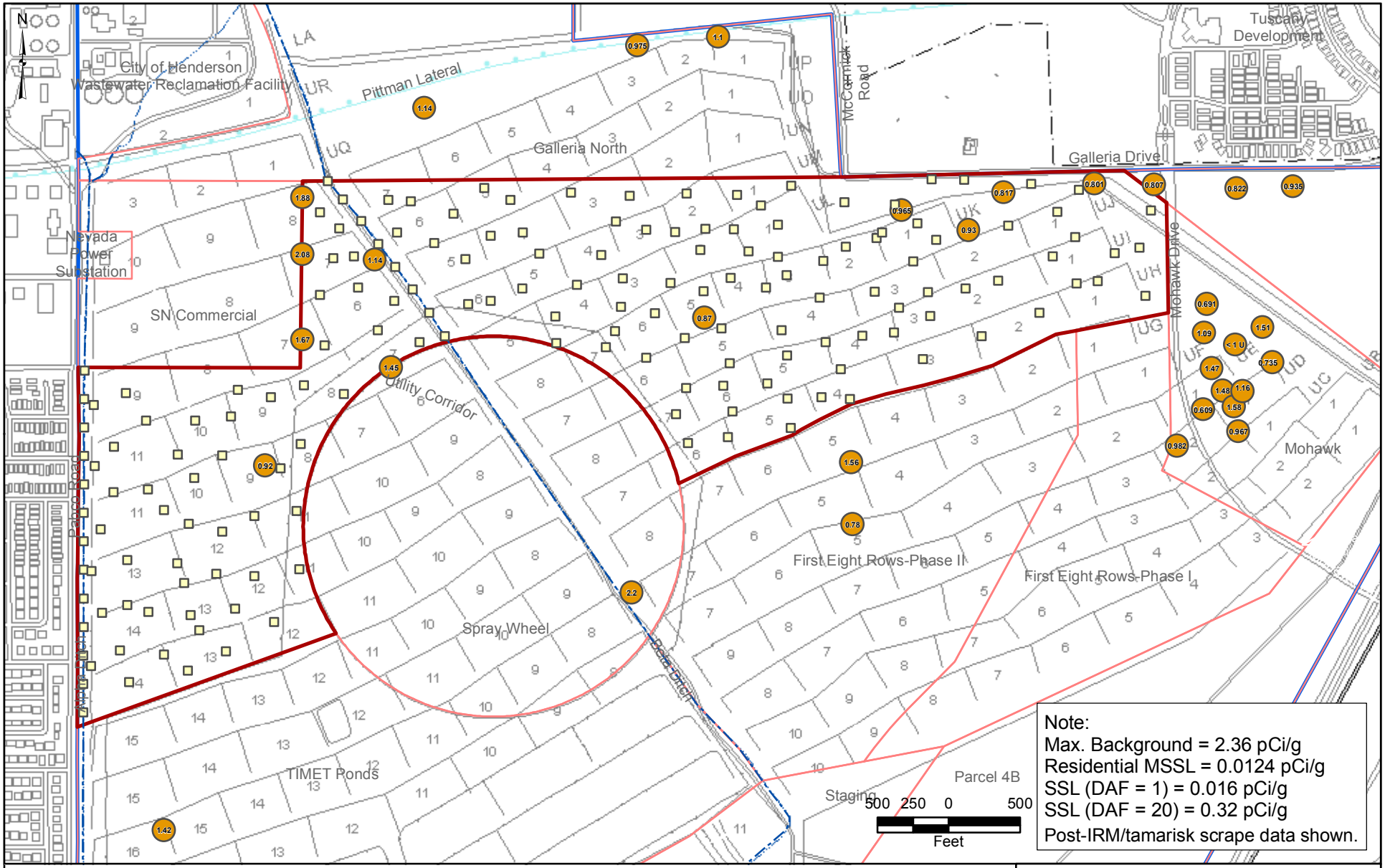
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-21

RADIUM-226 RESULTS IN UPPER PONDS SUB-AREA AND ADJACENT 1,000 FT 0 to 2 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	04/14/09	FILE: GIS/BRC/UPPER-PONDS_SAP/APPENDIX_C.MXD



Upper Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas
SAP Proposed Soil Sample Location

Non-Detect
Detect < Residential PRG
>= PRG and < 10x PRG
>= 10x PRG and < Max. Background
>= Max. Background

BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-22

RADIUM-226 RESULTS IN UPPER PONDS SUB-AREA AND ADJACENT 1,000 FT 3 to 10 FT BGS

Basic Remediation COMPANY

Prepared by MKJ (ERM) | ERM | Date 04/14/09 | JOB No. 0064276 | FILE: GIS/BRC/UPPER-PONDS_SAP/APPENDIX_C.MXD