SAMPLING AND ANALYSIS PLAN FOR THE TIMET PONDS SUB-AREA

BMI COMMON AREAS (EASTSIDE) CLARK COUNTY, NEVADA

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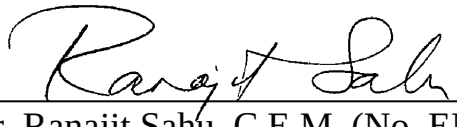
I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable 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.



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ACRONYMS AND ABBREVIATIONS

AOC3	Settlement Agreement and Administrative Order on Consent: BMI Common Areas, Phase 3
APA	air pathway analysis
BCL_W	Basic Comparison Level for residential water
BCL_{RS}	Basic Comparison Level 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
CSD	continuous sludge dryer
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
LBCL	Leaching-based Basic Comparison Level for protection of groundwater
$LBCL_{DAF1}$	LBCL for protection of groundwater (Dilution Attenuation Factor 1)
$LBCL_{DAF20}$	LBCL for protection of groundwater (Dilution Attenuation Factor 20)
MCL	Maximum Contaminant Level
NDEP	Nevada Division of Environmental Protection
NFAD	no further action determination
OPW	other process wastes
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

ACRONYMS AND ABBREVIATIONS

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
UMCf	Upper Muddy Creek formation
USEPA	U.S. Environmental Protection Agency
VI SL	Vapor Intrusion Screening Level
VOC	volatile organic compound
WCF	Wastewater Conservation Facility

1.0 INTRODUCTION

Basic Remediation Company (BRC) has prepared this Sampling and Analysis Plan (SAP) for the TIMET Ponds sub-area. The SAP describes tasks for performance of confirmation sampling of Site soils and soil vapor flux 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 initial version of the SAP incorporates comments received from the NDEP on all previously submitted BMI Common Areas (Eastside) sub-area SAPs. The NDEP comments and BRC's response to these comments are not included; however, Appendix A is provided as a 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 TIMET Ponds sub-area (Site) represents one of several sub-areas of the BMI Common Areas (Eastside) located in Clark County, Nevada (Figure 1), and encompasses an area of approximately 209.9 acres (Figure 2).

Originally, on-site structures consisted of unlined wastewater effluent evaporation/infiltration ponds that were built and into which various plant wastewaters were discharged from 1942 through 1976. TIMET later constructed lined ponds within the boundaries of the Site (hence its given name), during various construction phases between 1976 and 1982. These ponds were permitted and received waste process effluent for neutralization and evaporative treatment from 1976 through 2005.

Discharge to the ponds ceased after TIMET constructed a Wastewater Conservation Facility (WCF) on the Plant site in 2005, thereby eliminating the need for the ponds. The property within the TIMET Ponds sub-area, which was previously owned by TIMET, was sold at that time to the Landwell Company. In order to facilitate characterization and remediation of the Site, the contents of the ponds were dewatered and removed from the Site. Some of these materials were transported to the Spray Wheel and First Eight Rows sub-areas for further dewatering to reduce the moisture content to a level appropriate for placement into the off-site Corrective Action Management Unit (CAMU).

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);
- 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).

Mass-scale remediation has recently been completed to remove the TIMET Ponds, and based on existing Site data, prior to conducting the confirmation sampling proposed under this SAP (see Section 2.1). Therefore, risk assessments for the Site will be conducted primarily using the data collected as part of this SAP, which has been designed to produce data representative of the conditions to which current (non-remediation workers) or future users would be exposed. The need for additional remediation will be primarily based on the data collected based on this SAP.

Validated, reliable historical data associated with areas or depth intervals not affected by the remediation will be used as appropriate to augment the dataset derived from the SAP activities.[1] However, the following data gaps associated with the existing Site characterization have been

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

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 nine 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; no vapor flux samples have been collected; and spatial coverage of the Site is incomplete. Much of the historical data is associated with soil intervals that will be excavated during remediation and will not represent conditions to which future Site users would be exposed. Furthermore, the historical data represent incomplete coverage for certain constituents and will be redundant for others after implementation of this SAP. Therefore, 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 conditions in soils and soil vapor flux at the Site after remediation has been performed. As described in the Closure Plan, this information will be used to determine potential impacts to current (non-remediation workers) or future Site users from chemicals present in Site soils and whether additional remediation is needed to achieve cleanup goals. In this SAP, as recommended in the Statistical Methodology Report, soil samples will be collected throughout the Site on a systematic sampling basis. This random sampling consists of a regular 3-acre grid overlay across the property with a randomly placed sample within each grid cell. The goal of this sampling is to provide enough samples for 1) completion of a statistically robust assessment of contaminant distribution, and subsequently; 2) 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 interest, including but not limited to previous debris locations, ponds, and berm walls. Soil vapor flux samples will be collected from a subset of the soil sampling locations (that is, one sample within each grid cell).

1.1 PURPOSE OF THE SAP

The purpose of this SAP is to develop a sampling program for the Site that will provide an understanding of *pre-development* soil and soil vapor conditions (including any indirect impacts from underlying groundwater) at the Site.[2] Portions of the Site are known to be impacted with chemicals as a result of historical Site operations, and without performing a formal risk assessment; BRC assumes that remediation would be required for protection of human health and the environment. Furthermore, the presence of pond sediments and fluids was not compatible with development. As a result, mass-scale removal of the pond contents and remediation has recently been completed in accordance with the *Corrective Action Plan* (CAP; BRC 2006) based on existing Site data, prior to conducting the confirmation sampling proposed under this SAP (see Section 2.1). BRC expects that risk assessments for Site closure will primarily use the data collected as part of this SAP, which has been designed to produce data representative of the conditions to which current users (*i.e.*, those existing after remediation is performed) or future (post-development) users would be exposed. Data collected under this SAP will also be used to assess the need for additional remediation beyond what has been performed in advance of the SAP sampling.

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 current (non-remediation workers) and future Site users 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] This SAP includes summaries of chemical data associated with historical sampling events at the Site. These summaries document the known nature and extent of chemical occurrence at the Site, which was used to identify the need for additional biased sampling locations to augment the sample locations proposed as part of the SAP (Section 4), such that all potential source areas are addressed. This SAP includes a process for adding sampling locations in response to the discovery of currently unknown impacted areas, if any, that may be identified during remediation.

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, including a summary of the historical investigations performed at the Site.

2.1 SITE DESCRIPTION

The Site (Figure 2) is approximately 209.9 acres in size, and is gently sloping to the northeast. The Site was undeveloped desert land until the construction of various effluent evaporation/infiltration ponds[3], and portions of associated conveyance ditches form the eastern and western boundaries of the Site. Most of the former ponds have been disturbed by Site activities undertaken after their use was discontinued. The ponds and ditches were once associated with historical conveyance and/or disposal of operations effluent and cooling water by companies operating at the BMI Complex. Since 2005, 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.

The original wastewater effluent evaporation/infiltration ponds were unlined; various plant wastewaters were discharged into these ponds from 1942 through 1976. These ponds, which were defined by berms along the north, east, and west sides, filled the entirety of the Site. Remnants of these original ponds are visible in historical aerial photographs of the Site (Figure 3, northeast quadrant). Historical aerial photographs show evidence of fluids within some of the ponds, primarily those closest to the Beta Ditch (the ditch forming the eastern boundary of the Site) and those in the southernmost three rows (Figure 3). After discharge by the various

[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 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.

companies to these ponds ceased in 1976, TIMET constructed lined ponds within the boundaries of the Site during various construction phases between 1976 and 1982.

The TIMET Ponds fall into two separate categories in terms of location, period of use, and configuration as summarized below.

- *Southernmost Three Rows* – The first lined ponds to be constructed on the Site by TIMET were located within the southernmost three rows of the former unlined ponds (Figure 3), in the southwest corner of the Site. Additional ponds were subsequently constructed within the southernmost three rows of the former unlined ponds, as seen in Figure 3, until sixteen ponds were present in this area. Use of these sixteen ponds continued until 2005. These ponds ranged in size from approximately 3 to 10 acres and ranged in depth from approximately 5 to 19 feet. These ponds were permitted and received the following waste process effluent for neutralization and evaporative treatment, from 1976 through 2005:

  - Effluent from the continuous sludge dryer (CSD);
  - Leach liquor;
  - Other process wastes (OPW); and/or
  - Spent caustic.

  The specific nature of these liquids is presented in TIMET's Draft Environmental Conditions Investigation Report (TetraTech EM Inc. 1998). After effluent conveyance to these ponds ceased, in order to facilitate characterization and remediation of the Site, the contents of the ponds were dewatered. Some of the materials from these ponds were transported to the Spray Wheel and First Eight Rows sub-areas for further dewatering to reduce the moisture content to a level appropriate for placement into the off-site CAMU. Removal of the pond sediments and liquid began in 2008 in accordance with the CAP, and is on-going as of the date of this report.

- *Northern Ponds* – A series of fifteen smaller ponds was constructed in 1978 in the northwest quadrant of the Site (Figure 3). These ponds were smaller than the ponds described above (each roughly 1 acre in size), and received liquids from TIMET through 1984. The specific nature of these liquids is presented in TIMET's Draft Environmental Conditions Investigation Report (TetraTech EM Inc. 1998). In 1991, these ponds were filled

with dried CSD solids and minor inert debris, and capped with soils from the Spray Wheel area.

In addition to the historical effluent conveyance and discharge features noted above, the following features were also present on the Site:

- TIMET constructed a test pit in the southwest quadrant of the Site, immediately north of the Southernmost Three Rows ponds (Figure 2). This pit was used to evaluate various liner materials for compatibility with various waste streams.

- The Espy Construction Company maintained a staging area along the western boundary of the Site, between the Southernmost Three Rows ponds and the Northern ponds (Figure 2). As a result of their operations, a 1 to 3-foot deep debris pile was formed at the Site. This debris pile contained various construction rubble (such as concrete, wood, rebar, and bricks) and soil.

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 (low, medium and high density) with roads, parks and trails interspersed, is currently planned for the majority of the Site, as well as a school land use also planned for the Site.[4] 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 (BRC *et al*. 2007; Section 9 revised December 2009).

The current development plan for the Site is shown on Figure 4. To construct commercial facilities, the land will be cut and/or filled, paved with roads or foundations, and nurtured with

[4] The Closure Plan does not specifically address exposures associated with a school site; however, the risk assessment methodology and exposure parameters for residential use assumes more conservative exposures than those applicable to a school; therefore residual chemical concentrations found to be protective of residential land uses will also be protective of school land uses.

imported soils from other areas within the BMI Common Areas[5] as needed. Figure 5 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.

The Site bounds the Pittman area to the west, and is surrounded on the other three sides by Eastside sub-areas as follows:

North
- The Upper Ponds sub-area (approximately 281.6 acres[6]) to the west and the Spray Wheel sub-area (approximately 125.6 acres) to the east

South
- The Staging sub-area (approximately 126.2 acres)

East
- The First Eight Rows sub-areas (approximately 201.5 acres)

Chemicals historically detected in these sub-areas are similar to those found at the Site.

[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).

[6] Subsequent to Closure Plan finalization, the boundaries of the Upper Ponds sub-area and the other sub-areas listed in this subsection were revised, including removal of the Staging Area sub-area from the Southern RIBs sub-area and the Utility Corridor sub-area from the sub-areas through which it passed; as a result, the acreages specified in this sub-section for those sub-areas are not consistent with those specified in the Closure Plan.

The phased remediation schedule for Eastside calls for the Upper Ponds, Spray Wheel and First Eight Rows sub-areas to be remediated concurrent with or prior to the Site. Human health risk assessments will be conducted for these sub-areas to determine whether an NFAD is warranted. Remediation is currently on-going at the First Eight Rows sub-area, and is expected to be completed in early 2010, to be confirmed by a human health risk assessment. This process will also be conducted for the Upper Ponds and Spray Wheel sub-areas after sampling is performed in accordance with the SAPs for those areas (BRC 2009a, approved by NDEP on May 18, 2009; and BRC 2009b, approved by NDEP in December 20, 2009; respectively) to delineate locations requiring remediation.

Remediation of the other adjacent sub-area (the Staging sub-area, to the south) is scheduled to be finalized after remediation of the Site. Based on historical sampling, and as will be presented in the SAP for that sub-area, soils in the Staging sub-area contain chemicals at concentrations greater than applicable comparison levels for protection of human health and groundwater protection (see Section 2.1). Remediation at this adjacent sub-area involves major earth-moving activities and could result in a significant amount of airborne dispersion and/or overland runoff that could adversely affect Site conditions if mitigation measures were not employed. However, potential impacts from this area to the Site are considered negligible because dust suppression/mitigation measures and storm water pollution prevention controls have been implemented at each sub-area undergoing remediation since remediation initiation and will be implemented during future remediation activities[7]. These dust suppression controls are implemented 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 CAP (BRC 2006). In addition, emissions 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.

At the time of this SAP submittal, the contents of the lined ponds in the TIMET Ponds sub-area have been excavated and transported to the CAMU for disposal in accordance with the CAP. For certain ponds, dewatering was performed to reduce the moisture content to a level appropriate

[7] The possibility exists that airborne dispersion and/or overland transport of surface soils/sediments from other adjacent sub-areas could have historically resulted in contamination at the First Eight Rows sub-areas. However, if this was in fact the case, the nature and extent of associated impacts would be evident from historical surface soil data, and/or the data to be collected under this SAP. The need for remediation of the First Eight Rows sub-areas will be based on current chemical concentrations in Site soils regardless of the source of contamination, and including airborne dispersion and overland transport, if any.

for placement into the CAMU. The First Eight Rows and Spray Wheel sub-areas have been used as temporary staging areas for these activities prior to the soils being transported to the CAMU. Details regarding the above activities will be provided in the Closure Report for the Site.

2.2 SURFACE WATER

Surface water flow occurs for brief periods of time during periodic precipitation events. The unlined wastewater effluent evaporation/infiltration ponds within and topographically downgradient of the Site 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 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 RIBs between the Site and the Wash. However, the presence of the drainage ditches along the eastern and western boundaries 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 of (1) the removal of the conveyance ditches during remediation; (2) the large distance to the Wash; (3) the intervening presence of other developed properties; and (4) 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 55 to 60 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 55 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 6 and 7.

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 (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. Based on recent groundwater monitoring performed in August-September 2009, the depth from the surface to first groundwater at the Site is approximately 40 to 70 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.[9]

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

[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.

Groundwater seeps currently exist at various locations within the BMI Common Areas near the Las Vegas Wash. 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. 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

Shallow soil samples were collected within the Site during the following separate events (see Figure 2 for sample locations; 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 2006), which was approved by NDEP on September 12, 2006;

- A TIMET Ponds investigation conducted in 2000 to evaluate the nature and volume of (1) pond materials that could require dewatering and/or disposal, and (2) impacted soils adjacent to and beneath the ponds. The soil investigation activities were performed in accordance with an internal work plan that was not approved in advance by NDEP. The soil sampling results for the investigation activities have not been presented in an NDEP-approved report. Data validation results are presented in the DVSR for dataset 9 (MWH 2006a), which was approved by NDEP on November 3, 2006;

- Deep soil characterization conducted in June/July 2004 during monitoring well installation at one on-site location (SB-16-B) as part of the overall Eastside 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.

- 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 2006c), which was approved by NDEP on November 3, 2006.

During these investigations, soil samples at various depths were collected and analyzed for VOCs, semi-volatile organic compounds (SVOCs), organochlorine pesticides, organophosphorus pesticides, polychlorinated biphenyls (PCBs), chlorinated herbicides, dioxins/furans, aldehydes, alcohols/glycols, organic acids, polynuclear aromatic hydrocarbons (PAHs), metals, general chemistry, perchlorate, and/or radionuclides. The data associated with these investigations are included in the database excerpt provided in Appendix B.

2.5 INTERIM REMEDIAL MEASURES (IRMs)

This section is intended to describe the various on-site and off-site IRMs affecting the Site that have been performed to date by BRC as part of the overall Eastside remediation effort. By definition, IRMs are "interim" remedial activities conducted at a given site, performed in advance of: (1) longer-term evaluations of applicable remedial options, (2) selection of a final remedy to address conditions at that site, and (3) implementation of that remedy. As previously noted, a final remedy for the Site has been selected and the CAP has been approved by NDEP. Based on existing historical data showing the presence of elevated chemical concentrations in Site soils, BRC has completed mass-scale remediation at the Site in accordance with the CAP, in advance of conducting sampling in accordance with this SAP.

As noted above, starting in Summer 2008, the Southernmost Three Rows ponds were dewatered, and their contents were removed from the Site and transported to the off-site CAMU for disposal. In some cases, pond contents were temporarily staged in secured locations within the First Eight Rows and Spray Wheel sub-areas for further dewatering to reduce the moisture content to a level appropriate for placement into the CAMU. As of the date of this report submittal, these stockpiled soils have been removed to the CAMU. During soil handling, the soils were treated to prevent generation of wind-blown dusts and runoff. Activities associated

with stockpile management and disposal in the CAMU are documented in daily progress reports and monthly Interim Status Reports that are regularly submitted to NDEP. As specified in the CAP, remedial activities for a given sub-area will be documented in the Closure Report prepared at the conclusion of remediation at that sub-area. As such, interim stockpile storage, removal, and disposal in the CAMU will be discussed in the sub-area-specific Closure Reports.

2.6 IRM-RELATED CONFIRMATION SAMPLING

The results of confirmation sampling performed during the activities associated with excavation of the former pond contents will be provided in the Closure Report. However, this sampling is incomplete because of the impending sampling that will be conducted in accordance with this SAP.

2.7 CHEMICAL DISTRIBUTION WITHIN SOILS

This section provides summaries of chemical data associated with historical sampling events conducted by BRC at the Site. It should be noted that because mass-scale remediation activities have been conducted at the Site in accordance with the CAP, the summary tables and chemical distribution figures and summaries presented later in this section do not reflect current conditions (*i.e.*, conditions at the time of this SAP submittal). Because confirmation sampling associated with the mass-scale remediation has not been completed, the SAP does not include any sampling results associated with the CAP remediation process. The historical data were used to assess the need for biased sampling locations to augment the sample locations proposed as part of the SAP (Section 4), such that all potential source areas are addressed in the SAP sampling program. The historical data summaries are accordingly provided in this SAP to present the known nature of impacts at the Site (pre-CAP remediation) such that the adequacy of the sampling program in this SAP can be demonstrated. Recognizing that the historical data summaries do not reflect current conditions, this SAP includes a process for adding sampling locations in response to the discovery of currently unknown impacted areas, if any, that may be identified during remediation (Section 4).

A summary of historic, compound-specific soil chemical data for the Site from surface to 10 feet bgs is presented in Table 1. Location-specific historical sampling results associated with the Site, including depth intervals deeper than 10 feet bgs and pond/pond crust data, are provided in

Appendix B, Tables B-1 through B-12, and included electronically in Appendix B.[10] Sample locations are shown on Figure 2. Various applicable constituent-specific comparison levels are provided on the tables for reference, specifically:

- NDEP Basic Comparison Levels (BCLs) for residential soil (NDEP 2009b), hereinafter "BCL_{RS}",
- NDEP BCLs for protection of groundwater (LBCL), assuming dilution attenuation factors (DAF) of 1 and 20 (NDEP 2009b), hereinafter "LBCL", and
- The maximum background concentration (for metals and radionuclides only), derived from the background soil dataset for the BMI Common Areas presented in *Background Shallow Soil Summary Report, BMI Complex and Common Areas Vicinity* (BRC/TIMET 2007), which was approved by NDEP on July 26, 2007. Establishment of background conditions for the BMI Common Areas project is complicated by the unique geologic conditions in the area, specifically, the BMI Common Areas location at the confluence of alluvial fan deposits from the McCullough Range to the southwest and the River Mountains to the east. Efforts are currently underway to determine whether chemical differences exist in soils derived from the two geologic formations. The TIMET Ponds sub-area appears to be underlain by sediments that are derived from the McCullough Range, and background conditions associated with soils in this area are expected to be comparable to those used as comparison levels in this report, which are primarily associated with alluvial fan deposits derived from the McCullough Range. BRC is currently preparing a background compilation report that will summarize the results of background investigations performed in the BMI Common Areas vicinity, and will identify the specific background datasets appropriate for comparisons to soil data from specific sub-areas within the BMI Common Areas. BRC plans to obtain approval of this report prior to completing the closure risk assessment activities for the Site, which will be based on the results of soil sampling in accordance with this SAP and will include comparisons to applicable background soil data.

Figures showing the distribution of various representative chemicals at the Site are presented in Appendix C. SRCs were generally selected for graphical depictions if (1) a sufficient number of

[10] 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.*, SB-16-B), 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.

analyses for that constituent were performed; (2) multiple BCL_{RS} exceedances were observed for that constituent at concentrations in excess of background concentrations; and/or (3) an appreciable number of LBCL exceedances (DAF1) 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 $LBCL_{DAF1}$:

Constituent	Soil Depth	Figure No.
Arsenic	0 to 2 feet bgs	Figure C-1
	3 to 10 feet bgs	Figure C-2
Barium	0 to 2 feet bgs	Figure C-3
	3 to 10 feet bgs	Figure C-4
Chromium	0 to 2 feet bgs	Figure C-5
	3 to 10 feet bgs	Figure C-6
Iron	0 to 2 feet bgs	Figure C-7
	3 to 10 feet bgs	Figure C-8
Lead	0 to 2 feet bgs	Figure C-9
	3 to 10 feet bgs	Figure C-10
Manganese	0 to 2 feet bgs	Figure C-11
	3 to 10 feet bgs	Figure C-12
Vanadium	0 to 2 feet bgs	Figure C-13
	3 to 10 feet bgs	Figure C-14
Cyanide	0 to 2 feet bgs	Figure C-15
	3 to 10 feet bgs	Figure C-16
Perchlorate	0 to 2 feet bgs	Figure C-17
	3 to 10 feet bgs	Figure C-18
Heptachlor	0 to 2 feet bgs	Figure C-19
	3 to 10 feet bgs	Figure C-20

Constituent	Soil Depth	Figure No.
beta-BHC	0 to 2 feet bgs	Figure C-21
	3 to 10 feet bgs	Figure C-22
Bromodichloro-	0 to 2 feet bgs	Figure C-23
methane	3 to 10 feet bgs	Figure C-24
Carbon tetrachloride	0 to 2 feet bgs	Figure C-25
	3 to 10 feet bgs	Figure C-26
Chlorodibromo-	0 to 2 feet bgs	Figure C-27
methane	3 to 10 feet bgs	Figure C-28
Chloroform	0 to 2 feet bgs	Figure C-29
	3 to 10 feet bgs	Figure C-30
Tetrachloro-	0 to 2 feet bgs	Figure C-31
ethylene	3 to 10 feet bgs	Figure C-32
Hexachloro-	0 to 2 feet bgs	Figure C-33
benzene	3 to 10 feet bgs	Figure C-34
Dioxins/Furans	0 to 2 feet bgs	Figure C-35
Benzo(a) pyrene	0 to 2 feet bgs	Figure C-36
	3 to 10 feet bgs	Figure C-37

These figures also include 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 LBCL (DAF 1; $LBCL_{DAF1}$) established for each chemical. However, it should be noted that the maximum reported background

concentrations[11] for several metals (for example, arsenic) are appreciably higher than the comparison levels. In these cases, the evaluations focused on those BCL_{RS} and $LBCL_{DAF1}$ exceedances that were higher than the maximum background concentrations 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.

2.7.1 Aluminum

Aluminum was detected in both of the soil samples in which it was analyzed (one surface[12] and one subsurface sample from SB-09-B; Table B-1 in Appendix B). Neither of these detections were higher than the 77,200 mg/kg BCL_{RS}. However, both exceeded the 75 mg/kg $LBCL_{DAF1}$ (maximum detection 11,300 mg/kg from 7 feet bgs). Both $LBCL_{DAF1}$ exceedances were lower than the 15,300 mg/kg maximum background detection.

2.7.2 Arsenic

Of the 38 Site soil samples in which arsenic was analyzed (13 surface and 25 subsurface samples; Table B-1 in Appendix B), arsenic was detected in approximately 55 percent (21 samples). All of the detections were higher than the 0.39 mg/kg BCL_{RS} and the 1 mg/kg $LBCL_{DAF1}$. Sixteen samples had reported arsenic concentrations in excess of the maximum shallow soil background level (7.2 mg/kg; from BRC/TIMET 2007). These background exceedances are associated with the following samples:

Sample ID	Depth (ft bgs)	Concentration (mg/kg)
ADB-03	5	7.6
OPW-6	10	8.5
SW-11/HP-5	10	8.8
HP-2	5	9
SW-7	5	9.1
SW-5	5	9.2
SW-8	5	9.3
SW-7	10	10

Sample ID	Depth (ft bgs)	Concentration (mg/kg)
SW-10	5	11
SW-10	10	11
HP-2	0	12
SW-8	10	12
HP-3	5	37
SW-11/HP-5	5	42
SW-11/HP-5	0	71
SW-10	0	80

The reporting limits for the non-detections were sufficiently low such that detections greater than background, if present, would have been reported. The distribution of arsenic for soil samples

[11] 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).
[12] 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.

collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site is shown on Figures C-1 and C-2, respectively.

2.7.3 Barium

Barium was detected in all of the 38 Site soil samples in which barium was analyzed (13 surface and 25 subsurface samples; Table B-1 in Appendix B). None of the detections were higher than the 15,300 mg/kg BCL_{RS}; however, all of the barium detections exceeded the 82 mg/kg $LBCL_{DAF1}$. Only six detections were higher than the maximum background concentration of 836 mg/kg. The six samples with barium detections greater than background were as follows:

Sample ID	Depth (ft bgs)	Concentration (mg/kg)
SW-10	0	1900
HP-3	10	2100
HP-2	0	2500
SW-11/HP-5	5	2500
HP-3	5	5300
SW-11/HP-5	0	6400

The distribution of barium for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site is shown on Figures C-3 and C-4, respectively.

2.7.4 Cadmium

Of the 34 Site soil samples in which cadmium was analyzed (11 surface and 23 subsurface samples; Table B-1 in Appendix B), it was detected in approximately 9 percent. None of the detections were higher than the 38.9 mg/kg BCL_{RS}, but three results exceeded the 0.4 mg/kg $LBCL_{DAF1}$. These three cadmium results are also higher than the 0.16 mg/kg maximum background concentration, and are associated with the following samples:

Sample ID	Depth (ft bgs)	Concentration (mg/kg)
HP-3	5	0.54
SW-11/HP-5	0	0.79
SW-10	0	1.3

It should be noted that many of the reporting limits employed during the historical sampling events are higher than the $LBCL_{DAF1}$ and maximum background concentration, and it is unknown whether cadmium is also present in those samples at concentrations in excess of the $LBCL_{DAF1}$/maximum background concentration. The reporting limits were sufficiently low such that concentrations in excess of the BCL_{RS}, if present, would have been reported.

2.7.5 Chromium

Chromium was detected in 89 percent of the Site soil samples in which it was analyzed (38 samples; 13 surface and 25 subsurface samples; Table B-1 in Appendix B). One detection was higher than the 243 mg/kg BCL_{RS} (290 mg/kg in a surface sample from SW-11/HP-5). In addition, all of the chromium detections were higher than the 2 mg/kg $LBCL_{DAF1}$. Half of these detections (17 detections) were higher than the 16.7 mg/kg maximum background detection. These 17 chromium exceedances higher than background are associated with the following locations:

Sample ID	Depth (ft bgs)	Concentration (mg/kg)
SW-7	0	17
SW-8	0	17
HP-5	5	18
HP-2	10	20
SW-3	0	20
SW-4	5	21
SW-5	0	23
HP-5	0	24
SW-5	5	45

Sample ID	Depth (ft bgs)	Concentration (mg/kg)
HP-2	5	52
HP-3	10	65
OPW-6	0	86
SW-11/HP-5	5	87
SW-10	0	101
HP-2	0	110
HP-3	5	180
SW-11/HP-5	0	290

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 is shown on Figures C-5 and C-6, respectively.

2.7.6 Iron

Iron was detected in all 34 of the Site soil samples in which it was analyzed (11 surface and 23 subsurface samples; Table B-1 in Appendix B). None of the detections were higher than the 54,800 mg/kg BCL_{RS}. However, all of the detections were higher than the 7.56 mg/kg $LBCL_{DAF1}$. Many of these detections were lower than the 19,700 mg/kg maximum background detection. The 13 background exceedances are associated with the following samples:

Sample ID	Depth (ft bgs)	Concentration (mg/kg)
HP-5	5	20000
OPW-6	5	20000
SW-11/HP-5	5	20000
SW-11/HP-5	0	20000
SW-8	0	20000
HP-2	5	21000
OPW-6	10	21000

Sample ID	Depth (ft bgs)	Concentration (mg/kg)
SW-10	5	21000
SW-4	5	21000
OPW-6	0	22000
HP-3	5	23000
SW-5	5	25000
SW-10	0	29000

The distribution of iron for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site is shown on Figures C-7 and C-8, respectively

2.7.7 Lead

Lead was detected in all 38 of the Site soil samples in which it was analyzed (13 surface and 25 subsurface samples; Table B-1 in Appendix B). Four of these detections were higher than the 400 mg/kg BCL_{RS}; a $LBCL_{DAF1}$ has not been established for this constituent. These four exceedances were associated with the following samples:

Sample ID	Depth (ft bgs)	Concentration (mg/kg)
SW-11/HP-5	5	480
HP-3	5	940
SW-10	0	1100
SW-11/HP-5	0	1400

All of the above exceedances 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 is shown on Figures C-9 and C-10, respectively.

2.7.8 Magnesium

Magnesium was detected in all 34 of the Site soil samples in which it was analyzed (11 surface and 23 subsurface samples; Table B-1 in Appendix B). None of the detections were higher than the 100,000 mg/kg BCL_{RS}. However, all of the detections were higher than the 649 mg/kg $LBCL_{DAF1}$. All of the detections were lower than the 17,500 mg/kg maximum background detection.

2.7.9 Manganese

Manganese was detected in all 34 of the Site soil samples in which it was analyzed (11 surface and 23 subsurface samples; Table B-1 in Appendix B). Of these detections, six were higher than the 1,080 mg/kg $BCL_{RS.}$ These detections, which are also higher than the maximum background concentration for manganese (1,090 mg/kg), are associated with the following samples:

Sample ID	Depth (ft bgs)	Concentration (mg/kg)
HP-2	0	1200
SW-5	5	1200
HP-3	5	1300
SW-11/HP-5	5	1800
SW-11/HP-5	0	3200
SW-10	0	5600

All of the detections (an additional 28 manganese detections beyond those listed above) were higher than the 3.26 mg/kg $LBCL_{DAF1}$. However, these additional 28 detections were lower than the 1,090 mg/kg maximum background detection. 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 is shown on Figures C-11 and C-12, respectively.

2.7.10 Mercury

Of the 38 Site soil samples in which mercury was analyzed (13 surface and 25 subsurface samples; Table B-1 in Appendix B), it was detected in only 5 percent (2 samples). Neither detection was higher than the 12.5 mg/kg BCL_{RS}, but both results exceeded the 0.105 mg/kg $LBCL_{DAF1}$. Only one exceedance was also higher than the 0.11 mg/kg maximum background concentration (0.25 mg/kg, associated with a surface soil sample collected at SW-10). The reporting limits for non-detections were all lower than BCL_{RS}, and most were sufficiently low such that concentrations in excess of the $LBCL_{DAF1}$, if present, would have been reported.

2.7.11 Nickel

Nickel was detected in both of the Site soil samples in which it was analyzed (one surface and one subsurface sample; Table B-1 in Appendix B). Neither detection exceeded the 1,540 mg/kg BCL_{RS}, however, both were higher than the 7 mg/kg $LBCL_{DAF1}$. Both detections were lower than the maximum background concentration for nickel (30 mg/kg).

2.7.12 Selenium

Of the 38 Site soil samples in which it was analyzed (13 surface and 25 subsurface samples; Table B-1 in Appendix B), selenium was reported in only one sample (6.8 mg/kg in a surface soil sample from ADB-02). This detection was lower than the 391 mg/kg BCL_{RS}; however, it was higher than the 0.3 mg/kg $LBCL_{DAF1}$. This exceedance was also higher than the 0.6 mg/kg maximum background concentration for selenium. The standard reporting limits employed during the historical sampling events are higher than the $LBCL_{DAF1}$ (and the background range in

most cases), and it is unknown whether selenium is also present in those samples at concentrations in excess of the $LBCL_{DAF1}$ (or background). The reporting limits were sufficiently low such that concentrations in excess of the BCL_{RS}, if present, would have been reported.

2.7.13 Silver

Of the 38 Site soil samples in which it was analyzed (13 surface and 25 subsurface samples; Table B-1 in Appendix B), silver was reported in only three. None of the detections were higher than the 391 mg/kg BCL_{RS}; however, two of the detections were higher than the 2 mg/kg $LBCL_{DAF1}$.
(2.6 mg/kg and 2.9 mg/kg in surface soil samples collected from ADB-03 and ADB-02, respectively). These exceedances were also higher than the 0.2609 mg/kg maximum background concentration for silver. The reporting limits for non-detections were all lower than BCL_{RS}, and most were sufficiently low such that concentrations in excess of the $LBCL_{DAF1}$, if present, would have been reported.

2.7.14 Vanadium

Vanadium was detected in all 38 of the Site soil samples in which it was analyzed (13 surface and 25 subsurface samples; Table B-1 in Appendix B). Three of these detections were higher than the 391 mg/kg BCL_{RS} and the 300 mg/kg $LBCL_{DAF1}$. These exceedances were also higher than the 59.1 mg/kg maximum background detection, and are associated with the following samples:

Sample ID	Depth (ft bgs)	Concentration (mg/kg)
HP-3	5	440
HP-3	10	530
SW-11/HP-5	0	610

The distribution of vanadium for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site is shown on Figures C-13 and C-14, respectively.

2.7.15 Cyanide

Of the 32 Site soil samples in which it was analyzed (29 surface and 3 subsurface samples; Table B-6 in Appendix B), cyanide was reported in 7 samples, approximately 22 percent. All of these detections were lower than the 1,220 mg/kg BCL_{RS}; however, four detections were higher than the 2 mg/kg $LBCL_{DAF1}$. These four $LBCL_{DAF1}$ exceedances were associated with the following samples:

Sample ID	Depth (ft bgs)	Concentration (mg/kg)
WC-TP15	0	2.1
WC-TP10	0	2.7
WC-TP07	0	3.8
WC-TP13	0	12.7

The reporting limits were sufficiently low such that concentrations in excess of the BCL_{RS} or $LBCL_{DAF1}$, if present, would have been reported. The distribution of cyanide for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site is shown on Figures C-15 and C-16, respectively.

2.7.16 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. None of these additional inorganic constituents were detected at concentrations in excess of either the BCL_{RS} or the $LBCL_{DAF1}$. The reporting limits for these additional inorganic constituents were sufficiently low such that concentrations in excess of the BCL_{RS} or $LBCL_{DAF1}$, if present, would have been reported.

Because perchlorate is a key compound of concern at the BMI 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 is shown on Figures C-17 and C-18, respectively.

2.7.17 Organochlorine Pesticides

A total of 64 Site soil samples were analyzed for organochlorine pesticides (39 surface and 25 subsurface samples; Table B-2 in Appendix B). The most commonly detected analytes were: 2,4-DDE, 4,4-DDE, 4,4-DDT, and beta-BHC; these four constituents were detected in more than 30 percent of the samples in which they were analyzed. The few detections that exceeded the BCL_{RS} and/or $LBCL_{DAF1}$ comparison levels are discussed below:

- alpha-BHC was detected in five soil samples. None of these detections were higher than the 0.0902 mg/kg BCL_{RS}. However, all five detections were higher than the 0.00003 mg/kg alpha-BHC $LBCL_{DAF1}$. These five exceedances were associated with the following samples:

Sample ID	Depth (ft bgs)	Concentration (mg/kg)
SB-09-B	7	0.0021
WC-TW02	0	0.0034
HP-3	10	0.015
SW-11/HP-5	0	0.021
HP-3	5	0.042

- beta-BHC was detected in 22 soil samples. None of these detections were higher than the 0.316 mg/kg BCL_{RS}; However, all 22 detections were higher than the 0.0001 mg/kg $LBCL_{DAF1}$. Those 22 $LBCL_{DAF1}$ exceedances were associated with the following samples:

Sample ID	Depth (ft bgs)	Concentration (mg/kg)
WC-TB02	0	0.0027
ADB-02	0	0.0031
WC-TD01	0	0.0041
WC-TP04	0	0.0047
WC-TP14	0	0.0052
WC-TA01	0	0.0057
WC-TP01	0	0.0058
WC-TE01	0	0.0068
SW-8	0	0.008
SW-4	0	0.0087
WC-TB01	0	0.0092

Sample ID	Depth (ft bgs)	Concentration (mg/kg)
SB-09-B	0	0.0095
SW-7	0	0.012
SW-3	0	0.015
WC-TP12	0	0.015
WC-TW02	0	0.016
WC-TB03	0	0.017
WC-TW01	0	0.02
OPW-6	0	0.03
SW-11/HP-5	5	0.076
WC-TB04	0	0.093
SW-10	0	0.17

- Heptachlor was detected in two soil samples; one of these detections was in excess of the 0.108 mg/kg BCL_{RS} (surface soil sample from SW-10, 0.32 mg/kg). That detection was lower than the 1 mg/kg $LBCL_{DAF1.}$ The distribution of heptachlor for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site is shown on Figures C-19 and C-20, respectively

With the exception of alpha-BHC, beta-BHC, dieldrin, and lindane, the reporting limits for organochlorine pesticides were generally sufficiently low such that concentrations in excess of the comparison levels, if present, would be reported. For these four exceptions, the reporting limits were routinely higher than the $LBCL_{DAF1}$, and it is unknown whether these constituents are also present in additional Site samples at concentrations in excess of those comparison levels. 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 is shown on Figures C-21 and C-22, respectively.

2.7.18 Volatile Organic Compounds

Thirty-four Site soil samples were analyzed for VOCs (29 surface and 5 subsurface samples; Table B-3 in Appendix B). As seen in Table 1 and Table B-3, 21 VOCs were detected in at least one sample; acetone and chloroform were detected the most frequently, in 44 percent and 53 percent of the samples, respectively. The few detections that exceeded the BCL_{RS} and/or $LBCL_{DAF1}$ comparison levels are discussed below:

- 1,2-Dichloroethane was detected in three soil samples. None of these detections were in excess of the 0.433 mg/kg BCL_{RS}, but all three detections were higher than the 0.001 mg/kg $LBCL_{DAF1.}$ Those three $LBCL_{DAF1}$ exceedances were associated with the following samples:

Sample ID	Depth (ft bgs)	Concentration (mg/kg)
WC-TP09	0	0.0013
WC-TP01	0	0.0051
WC-TP08	0	0.0086

- 1,2-Dichloropropane was detected in two soil samples. Neither detection was in excess of the 0.82 mg/kg BCL_{RS}, but one detection was higher than the 0.001 mg/kg $LBCL_{DAF1}$ (0.0061 mg/kg in a surface soil sample from WC-TP01).

- Acetone was detected in 15 soil samples. None of these detections were in excess of the 60,000 mg/kg BCL_{RS}, but two detections were higher than the 0.8 mg/kg $LBCL_{DAF1}$ (0.96 mg/kg and 1.6 mg/kg in surface soil samples from WC-TP16 and WC-TP15, respectively).

- Bromodichloromethane was detected in 10 soil samples. None of these detections were in excess of the 10.3 mg/kg BCL_{RS}, but six detections were higher than the 0.03 mg/kg $LBCL_{DAF1.}$ Those six $LBCL_{DAF1}$ exceedances were associated with the following samples:

Sample ID	Depth (ft bgs)	Concentration (mg/kg)
WC-TP04	0	0.032
WC-TP09	0	0.032
WC-TP06	0	0.034
WC-TP03	0	0.049
WC-TP02	0	0.052
WC-TP01	0	0.22

The distribution of bromodichloromethane for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site is shown on Figures C-23 and C-24, respectively.

- Carbon tetrachloride was detected in eight soil samples. None of these detections were in excess of the 0.3 mg/kg BCL_{RS}, but all eight detections were higher than the 0.003 mg/kg $LBCL_{DAF1.}$ Those eight $LBCL_{DAF1}$ exceedances were associated with the following samples:

Sample ID	Depth (ft bgs)	Concentration (mg/kg)
WC-TP07	0	0.011
WC-TP09	0	0.011
WC-TP05	0	0.013
WC-TP03	0	0.014
WC-TP02	0	0.015
WC-TP06	0	0.031
WC-TP04	0	0.045
WC-TP01	0	0.095

The distribution of carbon tetrachloride for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site is shown on Figures C-25 and C-26, respectively.

- Chlorodibromomethane was detected in seven soil samples. None of these detections were in excess of the 1.12 mg/kg BCL_{RS}, but four detections were higher than the 0.02 mg/kg $LBCL_{DAF1.}$ Those four $LBCL_{DAF1}$ exceedances were associated with the following samples:

Sample ID	Depth (ft bgs)	Concentration (mg/kg)
WC-TP04	0	0.033
WC-TP03	0	0.041
WC-TP02	0	0.069
WC-TP01	0	0.2

The distribution of chlorodibromomethane for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site is shown on Figures C-27 and C-28, respectively.

- Chloroform was detected in 18 soil samples. Eight of these detections were in excess of the 0.306 mg/kg BCL_{RS}, and 13 detections were higher than the 0.03 mg/kg $LBCL_{DAF1.}$ These BCL_{RS} and $LBCL_{DAF1}$ exceedances were associated with the following samples:

Sample ID	Depth (ft bgs)	Concentration (mg/kg)
WC-TP08	0	0.033
WC-TP13	0	0.035
WC-TP11	0	0.037
WC-TP15	0	0.1
WC-TP10	0	0.15
WC-TP03	0	0.46
WC-TP02	0	0.62

Sample ID	Depth (ft bgs)	Concentration (mg/kg)
WC-TP05	0	0.72
WC-TP07	0	0.75
WC-TP06	0	0.83
WC-TP09	0	0.89
WC-TP04	0	3.3
WC-TP01	0	4.1

The distribution of chloroform for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site is shown on Figures C-29 and C-30, respectively.

- Dichloromethane was detected in one soil sample (0.0065 mg/kg in a surface soil sample from WC-TP07). This detection was lower than the 11 mg/kg BCL_{RS}, but was higher than the 0.001 mg/kg $LBCL_{DAF1}$.

- Tetrachloroethylene was detected in eight soil samples. None of these detections were in excess of the 0.624 mg/kg BCL_{RS}, but four detections were higher than the 0.003 mg/kg $LBCL_{DAF1}$. These detections were associated with the following soil samples:

Sample ID	Depth (ft bgs)	Concentration (mg/kg)
WC-TP04	0	0.0035
WC-TP09	0	0.0042
WC-TP01	0	0.0066
WC-TP08	0	0.014

The distribution of tetrachloroethylene for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site is shown on Figures C-31 and C-32, respectively.

- Tribromomethane was detected in six soil samples. None of these detections were in excess of the 61.6 mg/kg BCL_{RS}, but three detections were higher than the 0.04 mg/kg $LBCL_{DAF1}$. These detections were associated with samples WC-TP01, -02, and -03 (maximum detection 0.14 mg/kg at WC-TP02).

For VOCs, the standard reporting limits were lower than the BCL_{RS}, and concentrations in excess of the BCL_{RS}, if present, would have been reported in most cases. However, in some cases the standard reporting limits employed during the historical sampling events are higher

than the $LBCL_{DAF1}$, and it is unknown whether these constituents are present in samples at concentrations in excess of the $LBCL_{DAF1.}$ These analytes with reporting limits routinely higher than the $LBCL_{DAF1}$ are as follows:

- 1,1,2,2-Tetrachloroethane
- 1,1,2-Trichloroethane
- 1,2,4-Trichlorobenzene
- 1,2-Dichloroethane
- 1,2-Dichloropropane
- Dichloromethane
- trans-1,3-Dichloropropylene
- Vinyl chloride

Otherwise, the reporting limits for VOCs were sufficiently low such that concentrations in excess of the $LBCL_{DAF1}$, if present, would be reported.

2.7.19 Semi-Volatile Organic Compounds

Thirty-three Site soil samples were analyzed for SVOCs (29 surface and 4 subsurface samples; Table B-4 in Appendix B). As seen in Table 1 and Table B-4, 10 SVOCs were detected in at least one sample. Hexachlorobenzene was detected the most frequently, in 61 percent of the samples. With the exception of hexachlorobenzene, all the SVOC detections were lower than the BCL_{RS} and the $LBCL_{DAF1}$.

Hexachlorobenzene was detected in 19 samples; twelve of the hexachlorobenzene detections exceeded the 0.304 mg/kg BCL_{RS} and 16 detections exceeded the 0.1 mg/kg $LBCL_{DAF1.}$ These screening level exceedances were associated with the following samples:

Sample ID	Depth (ft bgs)	Concentration (mg/kg)
WC-TP11	0	0.12
WC-TB03	0	0.16
WC-TP10	0	0.21
WC-TP05	0	0.3
WC-TP06	0	0.38
WC-TP12	0	0.41
WC-TP13	0	0.45
WC-TP09	0	0.63

Sample ID	Depth (ft bgs)	Concentration (mg/kg)
WC-TP01	0	1.2
WC-TP14	0	1.5
WC-TP07	0	1.9
WC-TP04	0	2.3
WC-TP08	0	4.1
WC-TB04	0	4.5
WC-TW01	0	7.6
WC-TW02	0	9.2

The distribution of hexachlorobenzene for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site is shown on Figures C-33 and C-34, respectively.

For SVOC non-detects, the standard reporting limits were lower than the BCL_{RS} in all cases except for 3,3-dichlorobenzidine, hexachlorobenzene, and n-nitrosodi-n-propylamine, which

routinely had reporting limits higher than the BCL_{RS}. With the exception of these three compounds, concentrations in excess of the BCL_{RS}, if present, would have been reported for SVOCs in most cases. For these and several other SVOCs the reporting limits employed during the historical sampling events are higher than the $LBCL_{DAF1}$, and it is unknown whether these constituents are present in those samples at concentrations in excess of the $LBCL_{DAF1}$ The additional analytes with reporting limits routinely higher than the $LBCL_{DAF1}$ are as follows:

- 2,4,6-Trichlorophenol
- 2,4-Dichlorophenol
- 2,4-Dinitrophenol
- 2,4-Dinitrotoluene
- 2,6-Dinitrotoluene
- bis(2-chloroethyl)ether
- Carbazole
- Hexachloroethane
- Isophorone
- Nitrobenzene
- p-Chloroaniline
- Pentachlorophenol

2.7.20 Dioxins and Furans

Twenty-eight Site soil samples were analyzed for dioxins and furans (27 surface and one subsurface sample; Table B-5 in Appendix B). 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 BCL_{RS} of 50 parts per trillion (ppt). Five of the samples analyzed had calculated TEQ values in excess of this comparison level; these exceedances were associated with the following samples:

Sample ID	Depth (ft bgs)	TEQ Value (mg/kg)
WC-TP08	0	52
WC-TP01	0	67.1
WC-TP14	0	139.3
WC-TP12	0	165.3
WC-TB04	0	372.9

$LBCL_{DAF1}$ 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. The distribution of dioxins/furans for soil samples collected in the intervals from 0 to 2 feet bgs at the Site is shown on Figure C-35.

2.7.21 Polychlorinated Biphenyls

Thirty-nine Site soil samples were analyzed for PCBs (Aroclors only) (14 surface, 25 subsurface; Table B-8 in Appendix B). PCBs were not detected in any of these samples. The reporting limits for PCBs analyzed were lower than the $BCL_{RS,}$ thus concentrations in excess of the BCL_{RS}, if present, would have been reported for PCBs. $LBCL_{DAF1}$ values have not been established for these compounds. It is noted that lack of PCB congener data is a data gap for the Site; congener analysis will be performed as part of this SAP to fill this data gap.

2.7.22 Organophosphorus Pesticides

Twenty-eight Site soil samples were analyzed for organophosphorus pesticides (27 surface, one subsurface; Table B-7 in Appendix B). Organophosphorus pesticides were not detected in any of these samples. The reporting limits were lower than the BCL_{RS}; thus concentrations in excess of the BCL_{RS}, if present, would have been reported. $LBCL_{DAF1}$ values have not been established for these compounds.

2.7.23 Chlorinated Herbicides

Twenty-eight Site surface soil samples were analyzed for chlorinated herbicides (27 surface, one subsurface; Table B-10 in Appendix B); 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. $LBCL_{DAF1}$ values have not been established for these compounds.

2.7.24 Polynuclear Aromatic Hydrocarbons

Thirty-one Site soil samples were analyzed for PAHs (29 surface, 2 subsurface; Table B-11 in Appendix B); chrysene and phenanthrene were detected the most frequently (in two samples/6 percent). The other PAHs were only detected in one sample (WC-TW02 surface sample). The maximum detection was 7.3 mg/kg of pyrene (WC-TW02). Several of the WC-TW02 PAH detections exceeded the BCL_{RS} and the $LBCL_{DAF1}$. The standard PAH reporting limits were generally, but not always, lower than the BCL_{RS} and the $LBCL_{DAF1}$; thus concentrations in excess of these comparison levels, if present, would have been reported. The distribution of benzo(a)pyrene for soil samples collected in the intervals from 0 to 2 feet bgs and 3 to 10 feet bgs at the Site is shown on Figures C-36 and C-37, respectively.

2.7.25 Aldehydes

Two Site soil samples (surface and subsurface samples from SB-09-B; Table B-6 in Appendix B) were analyzed for aldehydes. Acetaldehyde was not detected in either sample; formaldehyde was detected in both samples. The formaldehyde detections (maximum 0.24 mg/kg, from the 7 feet bgs sample) were lower than the 10.6 mg/kg BCL_{RS}. The acetaldehyde reporting limits were lower than the BCL_{RS}; thus concentrations in excess of the BCL_{RS}, if present, would have been reported. $LBCL_{DAF1}$ values have not been established for these compounds.

2.7.26 Organic Acids and Glycol/Alcohols

Two Site soil samples (surface and subsurface samples from SB-09-B; Table B-10 in Appendix B) were analyzed for organic acids and glycols/alcohols; with the exception of one ethylene glycol detection, there were no detections reported in the samples. The 64 mg/kg ethylene glycol detection was appreciably lower than the 100,000 mg/kg BCL_{RS}. 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 $LBCL_{DAF1}$) was higher than the $LBCL_{DAF1}$, and it is unknown whether this constituent is present at a concentration in excess of the $LBCL_{DAF1.}$

2.7.27 Radionuclides

Radionuclides were detected in both of the Site soil samples analyzed (one surface and subsurface soil sample from SB-09-B; Table B-9 in Appendix B). 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). However, all of the detections are lower than the maximum background activity, as shown in Table 1.

As presented in NDEP guidance (NDEP 2009c), as part of the process used to evaluate radionuclide data for the BMI Common Areas, BRC will assess whether secular equilibrium has been attained (as an indication that steady-state conditions have been reached). The existing data are too limited to make this determination. An evaluation of secular equilibrium status will be performed after collecting radionuclide data in accordance with this SAP.

2.7.28 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 BCL_{RS} and $LBCL_{DAF1}$ exceedances noted below were observed.

The following constituents were reported at concentrations higher than the BCL_{RS} and the maximum background concentration (where applicable):

- Arsenic
- Chromium
- Lead
- Manganese
- Vanadium
- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Dibenzo(a,h)anthracene
- Indeno(1,2,3-cd)pyrene
- TCDD
- Heptachlor
- Hexachlorobenzene
- Chloroform
- Radionuclides

The following constituents were reported at concentrations higher than the $LBCL_{DAF1}$ and the maximum background concentration (where applicable):

- Arsenic
- Barium
- Cadmium
- Chromium (Total)
- Iron
- Manganese
- Mercury
- Selenium
- Silver
- Vanadium
- Cyanide
- alpha-BHC
- beta-BHC
- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Benzo(k)fluoranthene
- Dibenzo(a,h)anthracene
- Indeno(1,2,3-cd)pyrene
- Hexachlorobenzene
- 1,2-Dichloroethane
- 1,2-Dichloropropane
- Acetone
- Bromodichloromethane
- Carbon tetrachloride
- Chlorodibromomethane
- Chloroform
- Dichloromethane
- Tetrachloroethylene
- Tribromomethane
- Radionuclides

Reported values above these comparison levels were observed across the Site; however, it should be noted that historical sampling focused on locations in and around the former lined ponds.

2.7.29 On-Going Remedial Actions

Due to the presence of the materials in the former lined ponds, BRC conducted mass-scale remediation of Site soils in accordance with the approved CAP (BRC 2006) prior to implementing this SAP. This remedial action consists of removing the liners and contents of the former lined ponds, as well as underlying soils exhibiting evidence of impacts, and transporting those materials to the off-site CAMU for disposal.

2.8 CHEMICAL DISTRIBUTION WITHIN POND/POND CRUST

In February 2000, limited sampling was conducted of the pond contents (liquid and crust) within the lined ponds in the southernmost three rows. The results of this sampling are provided in Appendix B; Table B-12. Data validation results are presented in the DVSR for dataset 9 (MWH 2006a), which was approved by NDEP on November 3, 2006. As previously noted, these materials have since been removed from the Site.

2.9 CHEMICAL DISTRIBUTION WITHIN GROUNDWATER

For evaluating Shallow Zone groundwater quality at the Site, the following on-site wells were used: AA-09 and POD8 (Figure 2). The data associated with these wells from the most recent groundwater monitoring event (August and September 2009) are presented in Table 2. Data validation results are presented in the DVSR for dataset 58 (ERM 2009, in revision). 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_W).

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

- alpha-BHC was detected in the sample collected from well POD8 at a relatively low concentration (0.088 µg/L). MCLs have not been established for this constituent. The detection was well below the 3.1 µg/L VI SL, but exceed the 0.011 µg/L BCL_W.

- beta-BHC was detected in the sample collected from well POD8 at a concentration of 0.06 µg/L. An MCL and VI SL have not been established for this constituent. The detection was higher than the 0.037 µg/L BCL_W.

- Carbon tetrachloride was detected in the sample from AA-09 at a reported concentration of 0.68 µg/L. The detection was below the VI SL, MCL, and BCL_W (5 µg/L for all three comparison levels).

- Chloroform was detected in the samples from both wells. The highest detection was 61 µg/L (AA-09); this was the only detection higher than a screening level (1.6 µg/L BCL_W). Both detections were lower than the MCL and VI SL (80 µg/L each).

- Methyl tert-butyl ether (MTBE) was detected in a sample from POD8 at a reported concentration of 0.37 µg/L. The detection was well below the 35 µg/L BCL_W and the 120,000 µg/L VI SL. An MCL has not been established for this constituent.

- Tetrachloroethylene was detected in a sample from AA-09 at a reported concentration of 4 µg/L. The detection was lower than the MCL, BCL_W, and the VI SL (5 µg/L for each).

- Total trihalomethanes were detected in both samples (maximum detection 61.2 µg/L, AA-09). The detections were lower than the 80 µg/L MCL; BCL_W and VI SL values have not been established for this constituent.

- Trichloroethylene was detected in a sample from AA-09 at a reported concentration of 0.33 µg/L. The detection was lower than the MCL, BCL_W, and the VI SL (5 µg/L for each).

No other organic chemicals were detected in these monitoring wells. The standard 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[13]
Aldrin	0.01 µg/L	0.004 µg/L BCL_W adequately low for VI SL; no MCL
Dieldrin	0.01 µg/L	0.0042 µg/L BCL_W adequately low for VI SL; no MCL
1,2,3-Trichloropropane	0.23 µg/L	0.034 µg/L BCL_W adequately low for VI SL; no MCL
2-Nitropropane	1.1 µg/L	0.0063 µg/L BCL_W 0.18 µg/L VI SL; no MCL

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

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 groundwater samples. It should be noted that many of these constituents are naturally-occurring in groundwater, 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_W[14] as summarized below:

- Chlorine is higher than the 4 mg/L MCL and BCL_W in samples collected from both wells. The maximum reported concentration was 2,180 mg/L (AA-09).
- Nitrate is higher than the 10 mg/L MCL and BCL_W in samples collected from both wells. The maximum reported concentration was 25.4 mg/L (POD8).
- Perchlorate is higher than the USEPA Drinking Water Equivalent Level and BCL_W[15] (24.5 µg/L and 18 µg/L, respectively) in samples collected from both wells; the maximum detection was 6,000 µg/L (AA-09).
- Arsenic is higher than the MCL and BCL_W (10 µg/L for both) in both samples; the highest concentration is associated with AA-09 (108 µg/L).
- Lithium is higher than the 73 µg/L BCL_W in the POD8 sample (278 µg/L).
- Magnesium is higher than the 207,000 µg/L BCL_W in both samples; the highest concentration is associated with AA-09 (294,000 µg/L).
- Selenium is higher than the 50 µg/L MCL and BCL_W in the sample collected from well AA-09 (66.3 µg/L).
- Uranium is higher than the 30 µg/L MCL and BCL_W in the sample collected from well POD8 (53.1 µg/L).
- Total Dissolved Solids (TDS) is higher than the 500 mg/L MCL in both samples; the maximum reported concentration was 6,600 mg/L (AA-09).

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

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. 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-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 individual Eastside 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 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 2005. Currently, the approximately 209.9 acre Site includes segments of conveyance ditches and former disposal ponds associated with historical BMI Complex operations, as well as the former lined TIMET ponds. 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 (low, medium, and high density) with roads, parks and trails interspersed, and a school land use in the central portion of the sub-area (Figure 4). 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 (BRC *et al*. 2007; Section 9 revised December 2009).

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. Mass-scale remediation has been completed based on existing Site data, prior to conducting the confirmation sampling proposed under this SAP (see Section 2.1). The risk assessments performed for Site closure will primarily use the data collected as part of this SAP, which has been designed to produce data representative of the conditions to which current (non-remediation workers) or future users would be exposed. The need for additional remediation will be primarily based on the SAP sampling results. 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 5.

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 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 developments.

As noted in Section 3.1.1, mass-scale remediation has been completed based on existing Site data prior to conducting SAP sampling activities, and risk assessments performed for Site closure will primarily use data collected as part of this SAP (*i.e.*, after remediation has been substantively performed). For the purposes of Site closure, it is these post-remediation/pre-development conditions that are most appropriate to evaluate in terms of potential exposures and risks to then-current (non-remediation workers) or future users.

Surface and shallow soil data will be used to evaluate both the 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. Second-

ary 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.[16] 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 in the risk assessment will comprise only those data collected in accordance with this SAP,[17] 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). Based on this QA/QC review, only those data determined 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[18] 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.

[16] The existing historical data suggest that some remediation is needed to attain cleanup goals and BRC has initiated remediation in accordance with the CAP; the need for further 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.
[17] 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.
[18] "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.

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, 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[19] 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.

[19] 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)

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;
- 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 then-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 and SESOIL). 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 a school, roads, and trails (see Figure 4). 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, the most protective 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 (BRC *et al.* 2007; Section 9 revised December 2009).

- 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 an 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

As noted above, based on existing historical analytical results and the presence of pond effluent/sediment that is incompatible with development, BRC has initiated remediation at the Site in accordance with the CAP (BRC 2006) prior to the sampling activities specified in this SAP. Decisions regarding the need for further 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. This scope includes soil sampling (final and interim), soil vapor flux sampling,[20] and laboratory analyses of those samples. 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.

[20] A study comparing soil gas sampling and surface flux sampling is planned for the project. The outcome of that study will determine whether soil flux data will continue to be collected for the project, or whether this data will be supplemented and/or replaced by soil gas data. The sampling for the Site will be revised accordingly. The sampling method does not affect the sample locations, number of samples, or the laboratory analysis in this SAP.

- **Biased Locations:** Additional sampling locations are selected within or near small-scale contamination points of interests, including but not limited to former ditches, ponds, and berms. 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.

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 Locations
Former Pond	65
Pond Berm	27
Ditch	20

Figure 9 and accompanying Table 3 show the random and biased discrete sampling locations that are proposed to be collected within the Site. In addition to the biased sampling locations noted above and on Figure 9, if currently unknown impacted areas are identified during on-going remediation, BRC will: 1) inform NDEP regarding the presence of these areas; 2) evaluate the need for additional biased sampling points to address those areas; and 3) modify the sampling program as needed, with NDEP concurrence.

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 remediated ponds in the most heavily impacted 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[21]) 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

[21] 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 5.[22] 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 3.

All soil samples will be tagged in the database with numeric designations of their corresponding assigned soil layer grouping based on these rules. Initially, 224 soil samples (as noted in foot-note 22 below, these sample numbers will be revised once the final remediation grade is known) will be collected from 112 soil boring locations (not including deep samples to be collected for soil physical parameter data). This includes 68 random and 44 biased sample locations; with the following number of samples representing each post-grade type of soil:

Post-Grade Sample Type	Number of Samples[23]
Fill material	86
Surface soil	181
Subsurface soil	43

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).

[22] The cut/fill depths are based on the difference between the original, pre-remediation grade, and the proposed development plan grade. However, extensive mass grading has occurred during the current, ongoing, remediation of this sub-area. Therefore, sample depths will be revised based on the difference between the final remediation grade and the proposed development plan grade, when the final remediation grade becomes available. Table 3 will be revised accordingly.

[23] Note that in some cases a soil sample may be considered both a fill sample and a surface sample (as indicated in Table 3). 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.

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 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 applicable to the Site. 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[24] 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.

[24] 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.

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 have been preferentially selected to coincide with a biased sampling location in a given cell. In cases where a given cell contains no biased samples, the soil vapor flux sampling coincides with the grid-specific random sampling location. This approach results in 72 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[25] and Table 4, 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;

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

- 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 34 soil samples collected within the Site that were analyzed for these compounds;

- 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 34 soil samples collected within the Site. Detection limits are below the BCL_{RS};

- HPLC Method for organic acids (historically conducted using a proprietary method developed by Alpha Analytical) 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 eight 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, eight samples were collected within the Site; the only nonhalogenated organic analyte detected in the Site samples was ethylene glycol (64 mg/kg, in the 7 ft bgs sample from SB-09-B), well below the 100,000 mg/kg screening level. 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. 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 2009), including radon. This analyte list is provided in Table 5.

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 2009). 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 2009). 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 4 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 sampling depth-specific exclusion of a chemical for analysis is provided in Table 4 of this SAP. Section 4.5 contains the rationale for exclusion of various chemical analyses from the SAP program for the Site.

5.2.2 Soil Vapor Flux Analyses

As indicated in Table 5, 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). In addition, the samples will be collected and analyzed for radon. 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 and SESOIL). 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 4). 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 3) 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 remediated ponds in the most heavily impacted 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 2009). 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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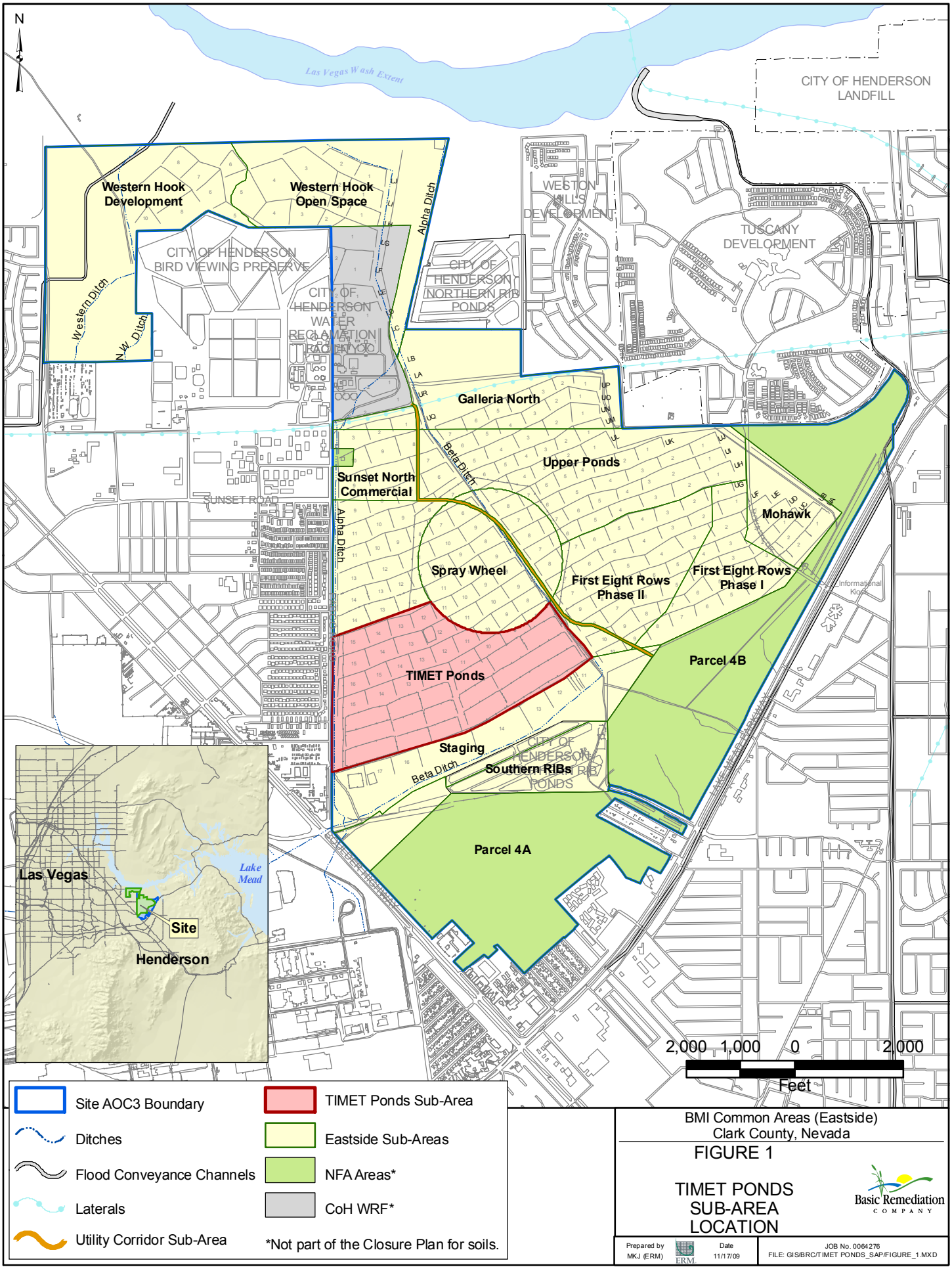
FIGURES



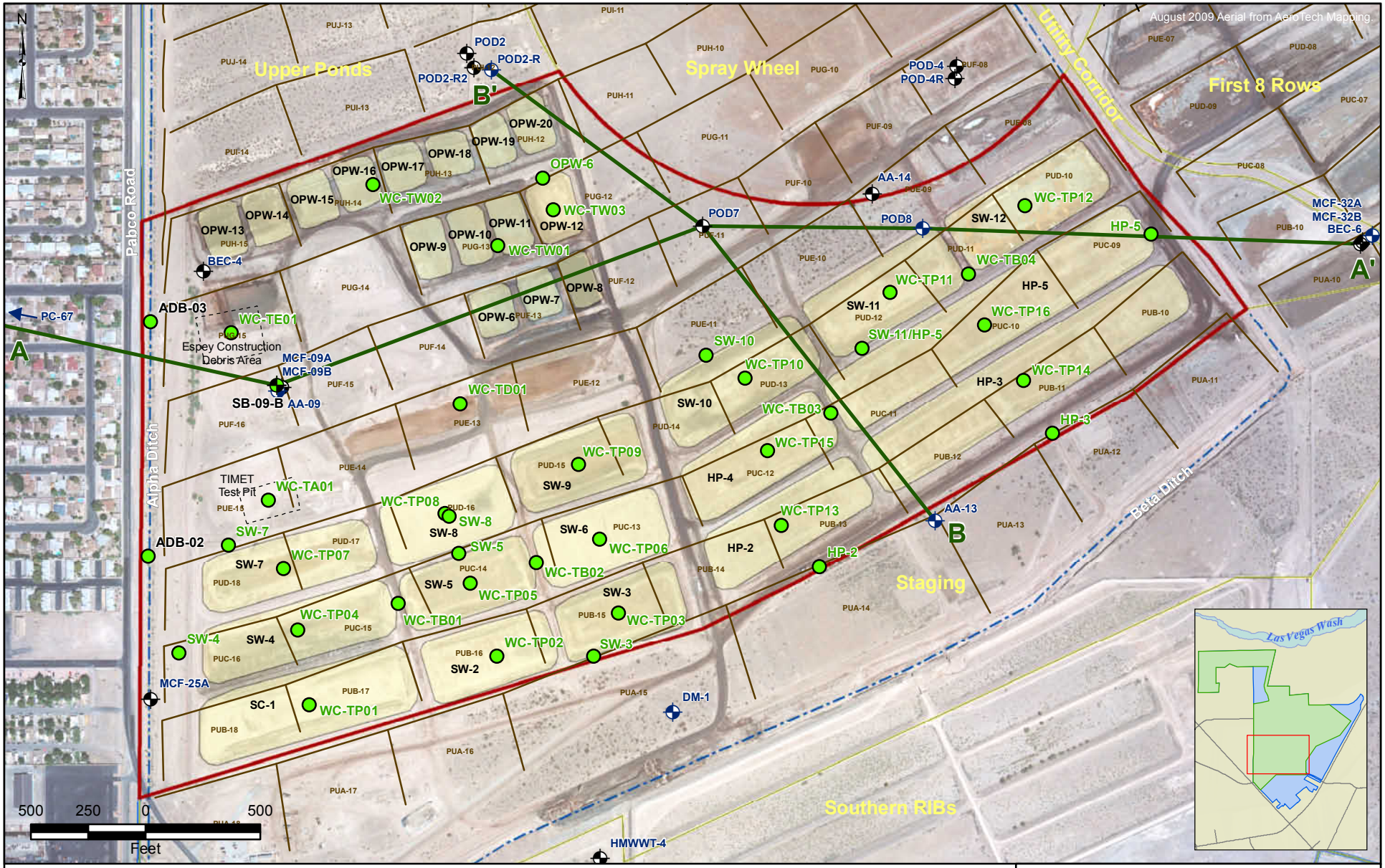
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE 1

TIMET PONDS SUB-AREA LOCATION

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	11/17/09	FILE: GIS/BRC/TIMET PONDS_SAP/FIGURE_1.MXD



TIMET Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas

Historical Soil Sample Locations
Cross-Section Location

Monitoring Wells

Alluvial Wells with Groundwater Data
Other Monitoring Wells

Historic BMI Ponds (Berms)
SW-4 TIMET Ponds

Note: See Appendix C for extent of recent (2008/09) soil removal areas.

ADB-03 - Discrete Sample
WC-TP07 - Composite Sample

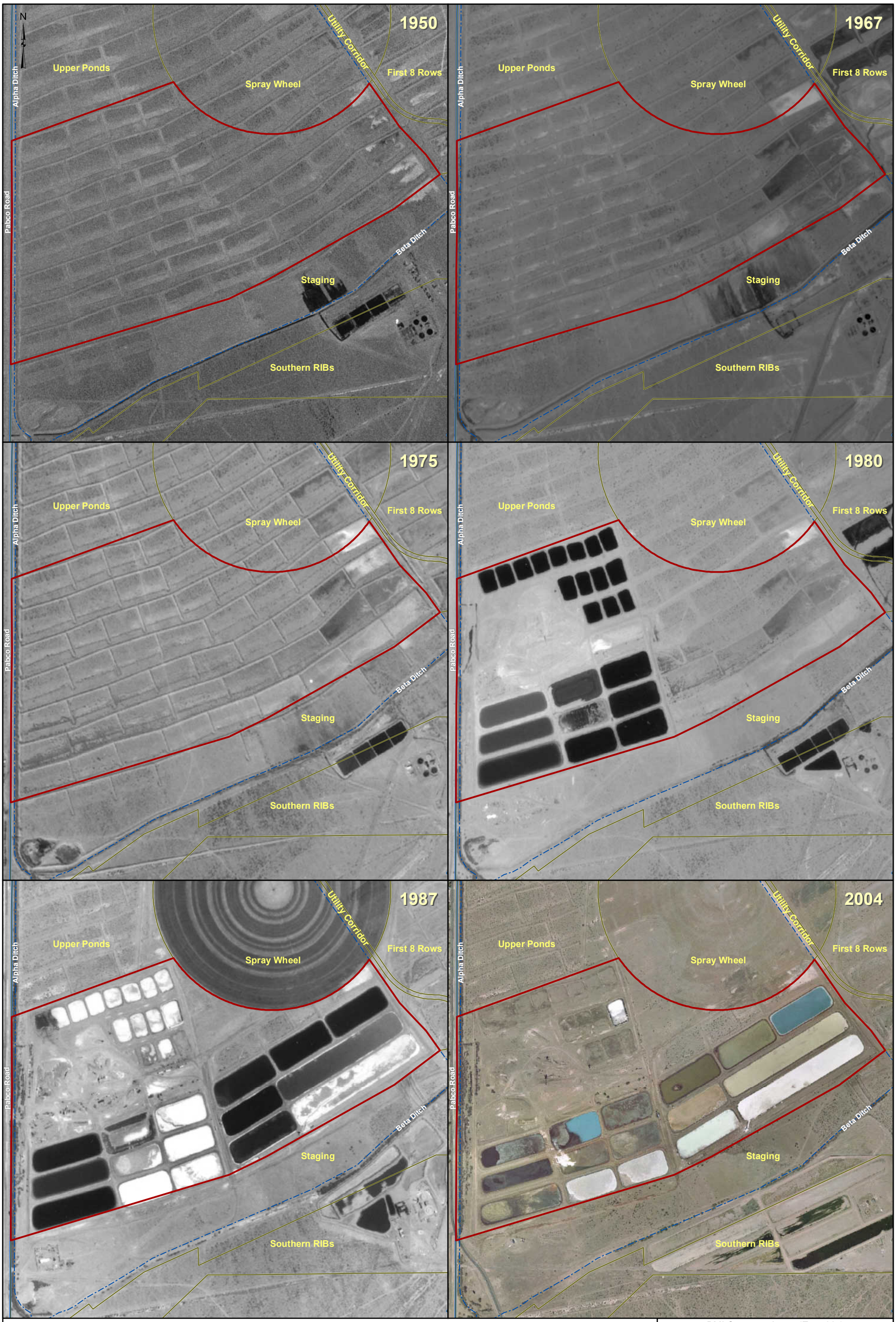
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE 2

SITE PLAN WITH HISTORIC SOIL SAMPLE LOCATIONS AND MONITORING WELLS

Basic Remediation Company

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/FIGURE_21.MXD



TIMET Ponds Sub-Area

Site AOC3 Boundary

Eastside Soil Sub-Areas

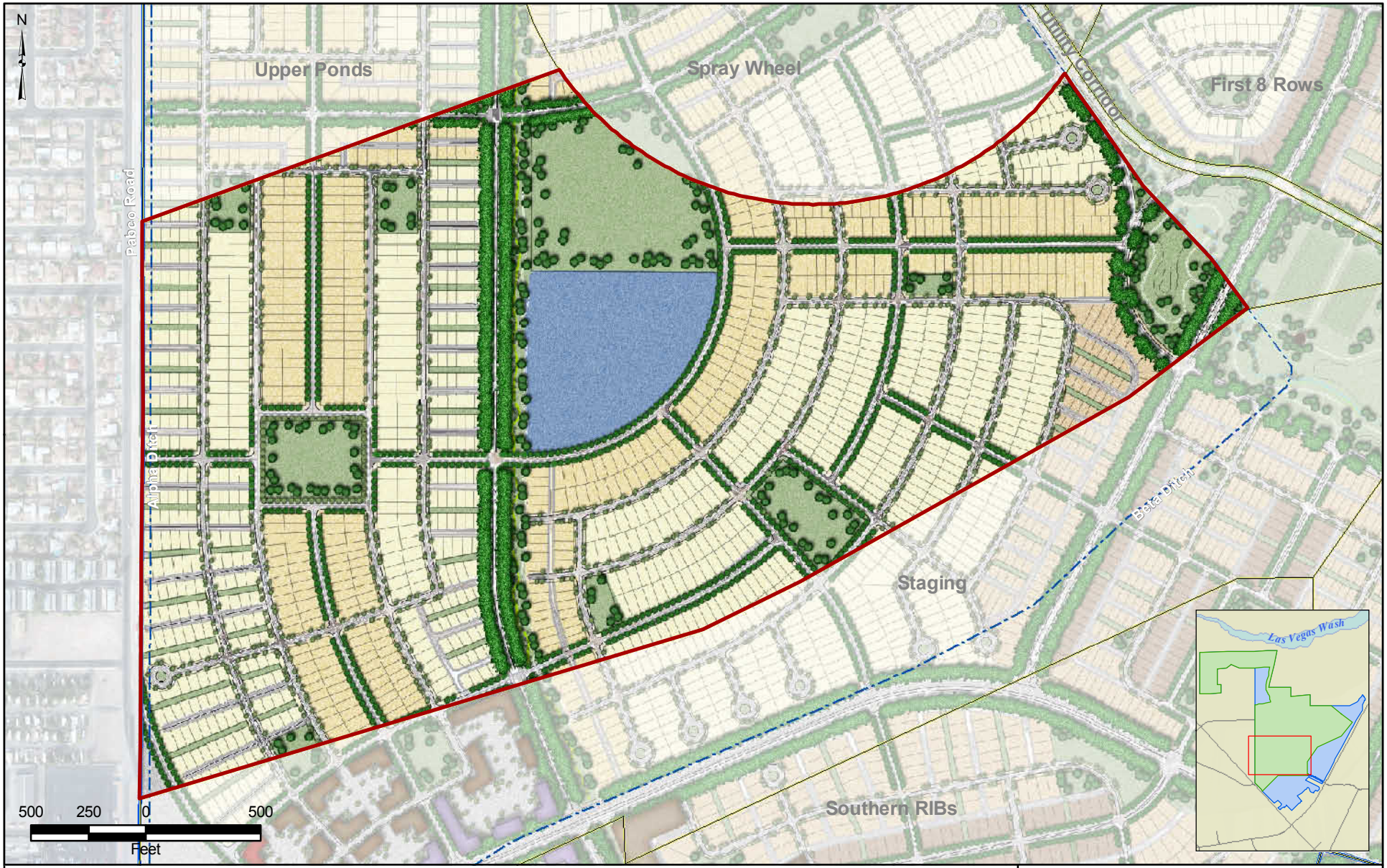
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE 3

TIMET PONDS
SUB-AREA
HISTORICAL AERIALS

Basic Remediation Company

Prepared by		Date	
MKJ (ERM)	ERM	12/21/09	JOB No. 0064276 FILE: GIS/BRC/TIMET PONDS_SAP/FIGURE_3.MXD



TIMET Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas

Current Development Plan

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

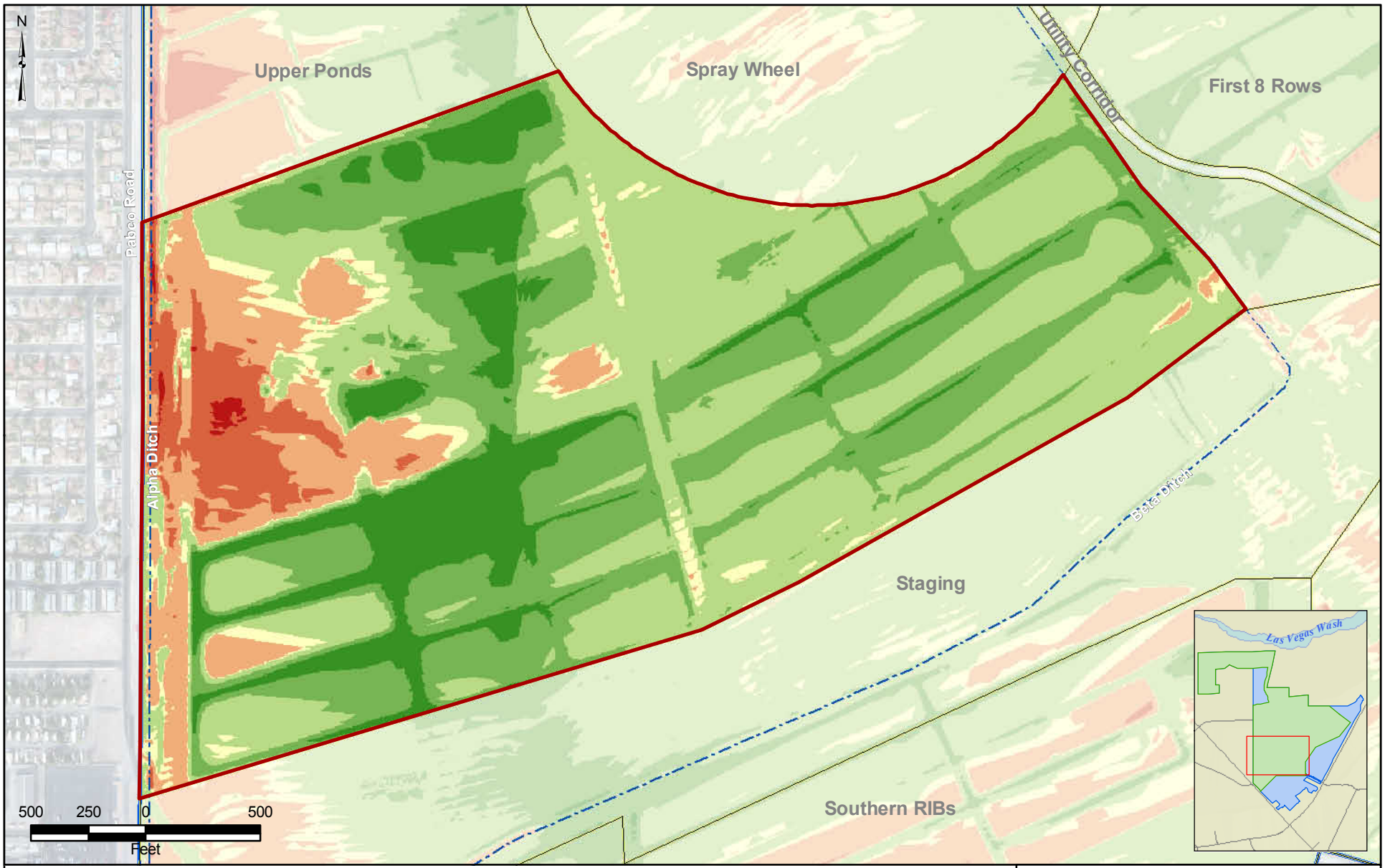
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE 4

CURRENT DEVELOPMENT PLAN

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/FIGURES_4-5.MXD



TIMET Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas

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

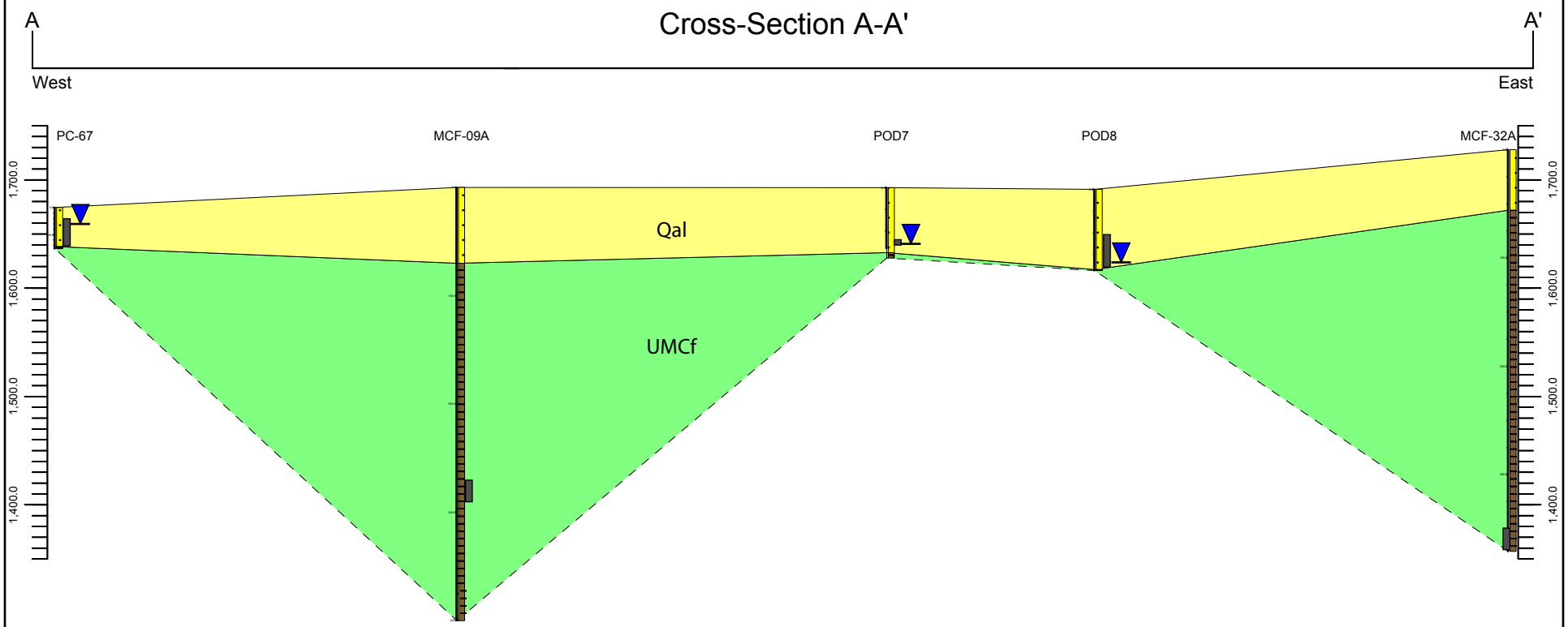
FIGURE 5

CURRENT GRADING PLAN

Basic Remediation Company

Prepared by MKJ (ERM) | Date 12/21/09 | JOB No. 0064276 | FILE: GIS/BRC/TIMET PONDS_SAP/FIGURES_4-5.MXD

Cross-Section A-A'



= Screen Interval
= Shallow Zone Water Level (August 2009)
= 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.

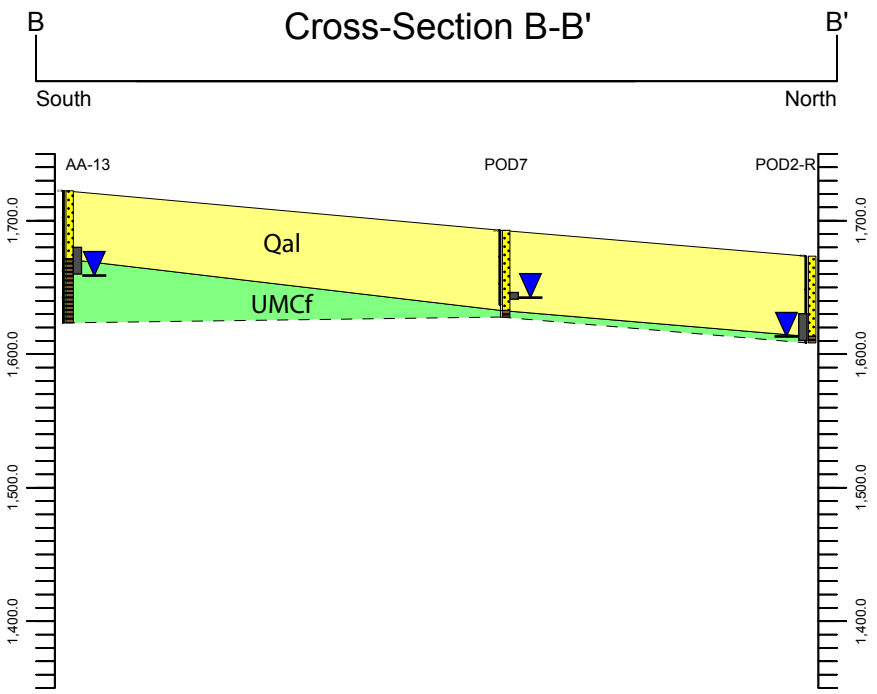
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE 6

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

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/FIGURE_6.AI



= Screen Interval
= Shallow Zone Water Level (August 2009)
= 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.

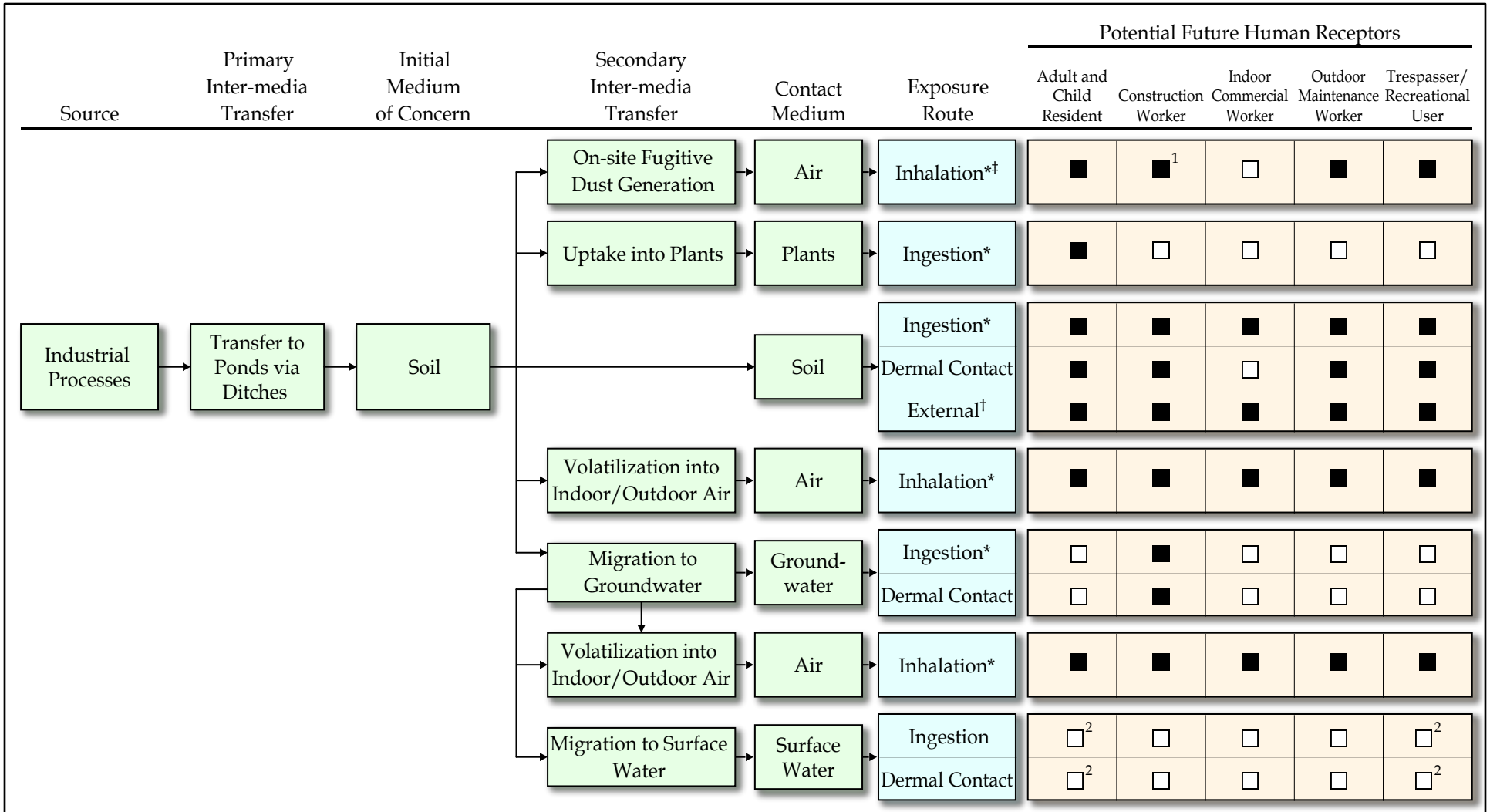
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE 7

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

Basic Remediation COMPANY

Prepared by		Date	JOB No. 0064276
MKJ (ERM)	ERM	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/FIGURE_7.AI



□ - Incomplete or insignificant exposure pathway.

■ - Complete or potentially complete exposure pathway.

[1]Although indirect exposures to off-site residents are possible, these receptors will not be quantitatively evaluated (see BRC Closure Plan).

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

*Includes radionuclide exposures.

†Only radionuclide exposures.

‡Includes asbestos exposures.

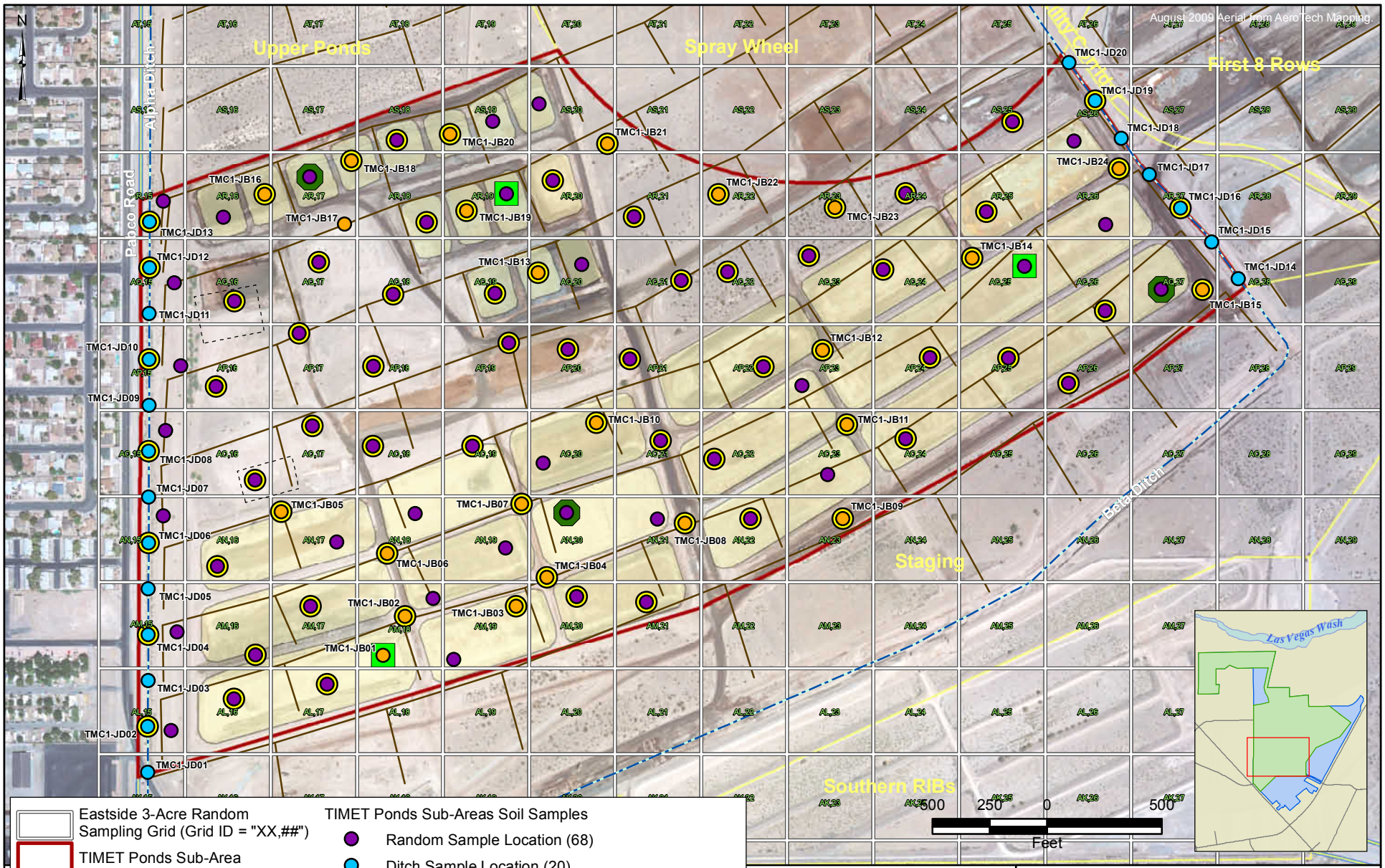
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE 8

CONCEPTUAL SITE MODEL DIAGRAM FOR POTENTIAL HUMAN EXPOSURES

Basic Remediation COMPANY

Prepared by MKJ (ERM) | ERM | Date 12/21/09 | JOB No. 0064276 | FILE: GIS/BRC/TIMET PONDS_SAP/FIGURE_8.AI



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

TIMET Ponds Sub-Area

Site AOC3 Boundary

Eastside Soil Sub-Areas

Beta Ditch

TIMET Ponds

Historic BMI Ponds (Berms)

TIMET Ponds Sub-Areas Soil Samples

- Random Sample Location (68)
- Ditch Sample Location (20)
- Other Biased Sample Locations (Ponds/Berms) (24)
- Surface Flux Sample Location (72)
- 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, berm, and pond sample locations. Sample ID's for random samples correspond to the grid cell ID.

This sub-area is currently undergoing extensive remediation, therefore, the aerial photo is not representative of current site conditions, and debris locations have not been identified.

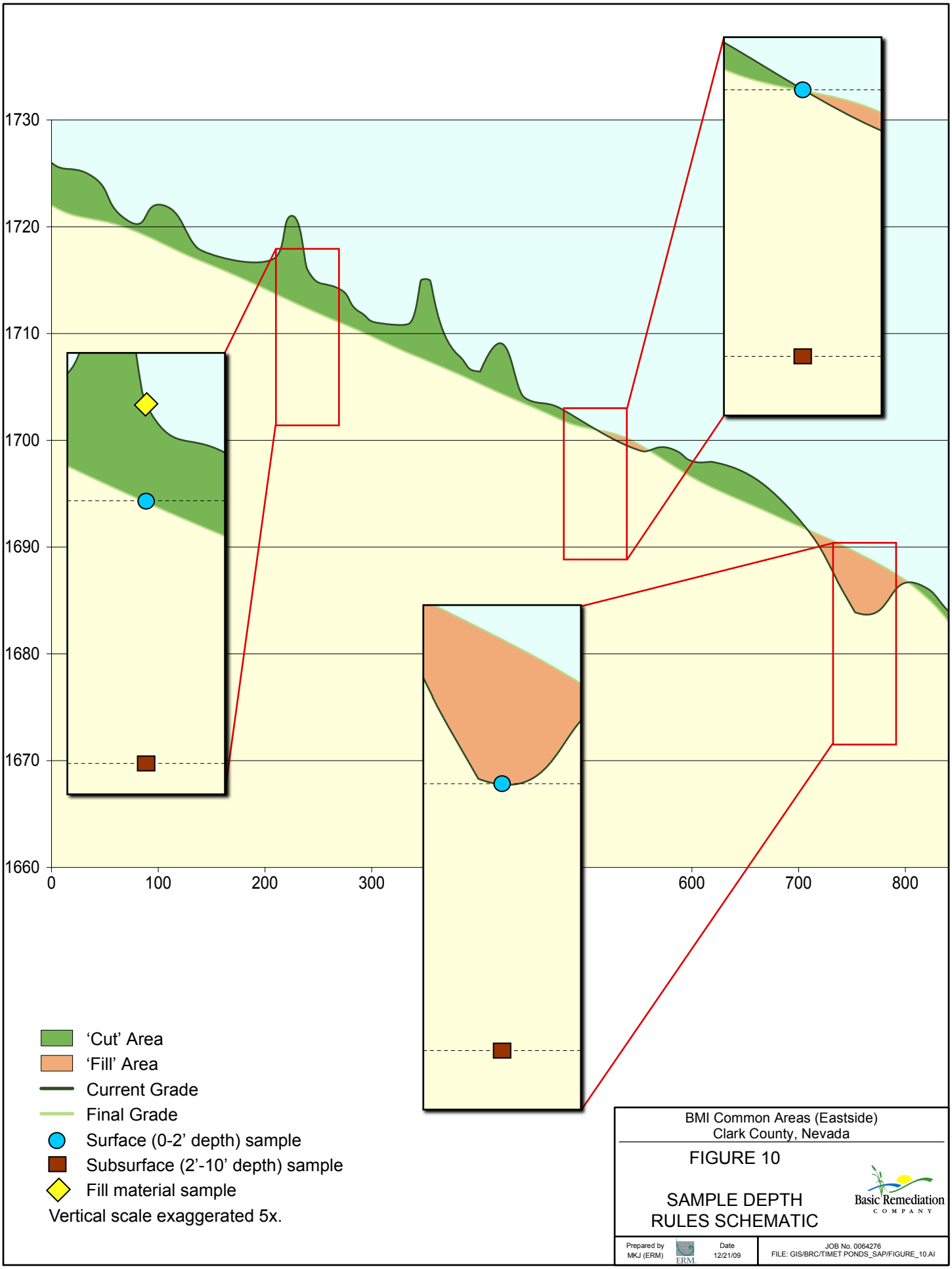
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE 9

PROPOSED SOIL AND SOIL VAPOR FLUX SAMPLING LOCATIONS

Basic Remediation Company

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/FIGURE_9.MXD



BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE 10

SAMPLE DEPTH
RULES SCHEMATIC

Basic Remediation Company

Prepared by		Date	JOB No. 0064276
MKJ (ERM)	ERM	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/FIGURE_10.AI

TABLES

TABLE 1
SUMMARY OF HISTORICAL SOIL CHEMICAL DATA
TIMET 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	LBCL (DAF 1)	Count of Detects > DAF 1	LBCL (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	2	0%	2	53	--	53	53	--	53	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Ethylene glycol	mg/kg	2	50%	1	53	--	53	53	--	53	1	64	--	64	64	--	64	100000	0	--	--	--	--	--	--
	Methanol	mg/kg	2	0%	2	53	--	53	53	--	53	0	--	--	--	--	--	--	30600	--	--	--	--	--	--	--
	Propylene glycol	mg/kg	2	0%	2	53	--	53	53	--	53	0	--	--	--	--	--	--	100000	--	--	--	--	--	--	--
Aldehydes	Acetaldehyde	mg/kg	2	0%	2	0.21	--	0.21	0.21	--	0.21	0	--	--	--	--	--	--	13.9	--	--	--	--	--	--	--
	Formaldehyde	mg/kg	2	100%	0	--	--	--	--	--	--	2	0.12	--	0.18	0.18	--	0.24	10.6	0	--	--	--	--	--	--
Dioxins/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	28	96%	1	0.41	--	0.41	0.41	--	0.41	27	23	140	610	2500	1400	23000	--	--	--	--	--	--	--	--
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	28	75%	7	0.33	2.1	4.6	7.2	11	20	21	5.2	10	31	210	83	2400	--	--	--	--	--	--	--	--
	1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	28	96%	1	0.33	--	0.33	0.33	--	0.33	27	5.8	47	120	780	380	11000	--	--	--	--	--	--	--	--
	1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	2	50%	1	0.24	--	0.24	0.24	--	0.24	1	50	--	50	50	--	50	--	--	--	--	--	--	--	--
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	2	0%	2	0.31	--	0.91	0.91	--	1.5	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	2	50%	1	0.17	--	0.17	0.17	--	0.17	1	37	--	37	37	--	37	--	--	--	--	--	--	--	--
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	2	50%	1	0.28	--	0.28	0.28	--	0.28	1	2.9	--	2.9	2.9	--	2.9	--	--	--	--	--	--	--	--
	1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	2	50%	1	0.29	--	0.29	0.29	--	0.29	1	6.7	--	6.7	6.7	--	6.7	--	--	--	--	--	--	--	--
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	2	50%	1	0.28	--	0.28	0.28	--	0.28	1	2.7	--	2.7	2.7	--	2.7	--	--	--	--	--	--	--	--
	1,2,3,7,8-Pentachlorodibenzofuran	pg/g	2	50%	1	0.16	--	0.16	0.16	--	0.16	1	33	--	33	33	--	33	--	--	--	--	--	--	--	--
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	2	0%	2	0.29	--	1.3	1.3	--	2.3	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	2	50%	1	0.18	--	0.18	0.18	--	0.18	1	8.8	--	8.8	8.8	--	8.8	--	--	--	--	--	--	--	--
	2,3,4,7,8-Pentachlorodibenzofuran	pg/g	2	50%	1	0.16	--	0.16	0.16	--	0.16	1	16	--	16	16	--	16	--	--	--	--	--	--	--	--
	2,3,7,8-Tetrachlorodibenzofuran	pg/g	2	50%	1	0.14	--	0.14	0.14	--	0.14	1	14	--	14	14	--	14	--	--	--	--	--	--	--	--
	2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	2	50%	1	0.15	--	0.15	0.15	--	0.15	1	0.68	--	0.68	0.68	--	0.68	--	--	--	--	--	--	--	--
	Octachlorodibenzodioxin	pg/g	28	96%	1	0.7	--	0.7	0.7	--	0.7	27	5.6	50	140	530	560	5200	--	--	--	--	--	--	--	--
	Octachlorodibenzofuran	pg/g	28	96%	1	1.5	--	1.5	1.5	--	1.5	27	110	3800	25000	34000	47000	160000	--	--	--	--	--	--	--	--
	TCDD TEQ	pg/g	28	--[c]	--	--	--	--	--	--	--	28	0.31	2.5	11	37	25	372.9	50	5	--	--	--	--	--	--
General Chemistry	Alkalinity	mg/kg	32	75%	8	25	25	25	25	25	25	24	25	49	69	150	200	670	--	--	--	--	--	--	--	--
	Ammonia	mg/kg	2	0%	2	0.53	--	0.53	0.53	--	0.53	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Bicarbonate alkalinity	mg/kg	32	75%	8	25	25	25	25	25	25	24	18	44	64	140	170	670	--	--	--	--	--	--	--	--
	Bromide	mg/kg	2	100%	0%	--	--	--	--	--	--	2	1.3	--	1.7	1.7	--	2	--	--	--	--	--	--	--	--
	Carbonate alkalinity	mg/kg	32	69%	10	25	25	25	25	25	25	22	3	6	9.5	13	20	36	--	--	--	--	--	--	--	--
	Chlorate	mg/kg	6	100%	0	--	--	--	--	--	--	6	0.0044	0.024	0.087	0.63	1.6	2.3	--	--	--	--	--	--	--	--
	Chloride	mg/kg	34	100%	0	--	--	--	--	--	--	34	3.8	110	200	610	540	5600	--	--	--	--	--	--	1110	3
	Cyanide (Total)	mg/kg	32	22%	25	0.12	0.13	0.2	0.35	0.46	1.1	7	0.29	0.95	2.1	3.5	3.8	12.7	1220	0	2	4	40	0	--	--
	Fluoride	mg/kg	2	50%	1	1.1	--	1.1	1.1	--	1.1	1	0.28	--	0.28	0.28	--	0.28	3670	0	--	--	--	--	2.5	0
	Hydroxide alkalinity	mg/kg	32	0%	32	25	25	25	25	25	25	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Iodide	mg/kg	2	0%	2	5.3	--	5.3	5.3	--	5.3	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Nitrate (as N)	mg/kg	2	100%	0	--	--	--	--	--	--	2	15.1	--	20	20	--	25.7	--	--	--	--	--	--	102	0
	Nitrite (as N)	mg/kg	34	91%	3	0.21	0.21	0.21	0.47	1	1	31	2.9	8.6	18	30	30	250	--	--	--	--	--	--	0.21	31
	Orthophosphate as P	mg/kg	2	0%	2	5.3	--	5.3	5.3	--	5.3	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Perchlorate	mg/kg	6	100%	0	--	--	--	--	--	--	6	0.274	1.3	1.8	1.9	2.8	2.91	54.75	0	--	--	--	--	--	--
	Sulfate	mg/kg	34	97%	1	100	--	100	100	--	100	33	12	96	180	290	330	1700	--	--	--	--	--	--	4130	0
	Sulfide	mg/kg	2	0%	2	10.6	--	11	11	--	10.6	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Total Kjeldahl Nitrogen (TKN)	mg/kg	2	0%	2	2.7	--	2.7	2.7	--	2.7	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorinated Herbicides	2,2-Dichloropropionic acid	mg/kg	2	0%	2	0.042	--	0.042	0.042	--	0.042	0	--	--	--	--	--	--	1830	--	--	--	--	--	--	--
	2,4,5-T	mg/kg	28	0%	28	0.0051	0.0054	0.0074	0.0084	0.0085	0.021	0	--	--	--	--	--	--	611	--	--	--	--	--	--	--
	2,4,5-TP	mg/kg	28	0%	28	0.0033	0.0035	0.0048	0.0059	0.0055	0.021	0	--	--	--	--	--	--	489	--	--	--	--	--	--	--
	2,4-D	mg/kg	28	0%	28	0.03	0.032	0.043	0.046	0.05	0.094	0	--	--	--	--	--	--	686	--	--	--	--	--	--	--
	4-(2,4-Dichlorophenoxy)butyric acid	mg/kg	2	0%	2	0.085	--	0.085	0.085	--	0.085	0	--	--	--	--	--	--	489	--	--	--	--	--	--	--
	Dicamba	mg/kg	2	0%	2	0.042	--	0.042	0.042	--	0.042	0	--	--	--	--	--	--	1830	--	--	--	--	--	--	--
	Dichlorprop	mg/kg	2	0%	2	0.085	--	0.085	0.085	--	0.085	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Dinitrobutyl phenol	mg/kg	28	0%	28	0.0061	0.0064	0.0088	0.0095	0.01	0.027	0	--	--	--	--	--	--	61.1	--	--	--	--	--	--	--
	MCPA	mg/kg	2	0%	2	8.5	--	8.5	8.5	--	8.5	0	--	--	--	--	--	--	30.6	--	--	--	--	--	--	--
	Mecoprop	mg/kg	2	0%	2	8.5	--	8.5	8.5	--	8.5	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals	Aluminum	mg/kg	2	100%	0	--	--	--	--	--	--	2	10800	--	11000	11000	--	11300	77200	0	75	2	1500	2	15300	0
	Antimony	mg/kg	2	0%	2	1.1	--	1.1	1.1	--	1.1	0	--	--	--	--	--	--	31.3	--	0.3	--	6	--	0.5	--
	Arsenic	mg/kg	38	55%	17	5	5	5	5.2	5	6.4	21	4	6.8	9.2	18	12	80	0.39	21	1	21	20	4	7.2	16
	Barium	mg/kg	38	100%	0	--	--	--	--	--	--	38	190	240	260	790	420	6400	15300	0	82	38	1640	6	836	6
	Beryllium	mg/kg	2	100%	0	--	--	--	--	--	--	2	0.61	--	0.64	0.64	--	0.66	155	0	3	0	60	0	0.89	0
	Boron	mg/kg	2	100%	0	--	--	--	--	--	--	2	5.8	--	6.1	6.1	--	6.3	15600	0	23.4	0	467	0	11.6	0
	Cadmium	mg/kg	34	9%	31	0.5	0.5	0.5	0.5	0.5	0.53	3	0.54	0.54	0.79	0.88	1.3	1.3	38.9	0	0.4	3	8	0	0.16	3
	Calcium	mg/kg	34	100%	0	--	--	--	--	--	--	34	14000	20000	27000	27000	32000	54000	--	--	--	--	--	--	82800	0
	Chromium (Total)	mg/kg	38	89%	4	20	20	21	21	21	21	34	9.7	14	17	41	47	290	243	1	2	34	40	9	16.7	17
	Chromium (VI)	mg/kg	34	29%	24	0.01	0.01	0.01	0.044	0.01	0.42	10	0.01	0.019	0.034	0.052	0.066	0.19	229	0	2	0	40	0	0.251	0
	Cobalt	mg/kg	2	100%	0	--	--	--	--	--	--	2	8.5	--	8.8	8.8	--	9	23.4	0	33	0	660	0	16.3	0

TABLE 1
SUMMARY OF HISTORICAL SOIL CHEMICAL DATA
TIMET 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	LBCL (DAF 1)	Count of Detects > DAF 1	LBCL (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	2	100%	0	--	--	--	--	--	--	2	18	--	19	19	--	20.1	2910	0	35.2	0	704	0	30.5	0
	Iron	mg/kg	34	100%	0	--	--	--	--	--	--	34	13000	17000	19000	19000	20000	29000	54800	0	7.56	34	151	34	19700	13
	Lead	mg/kg	38	100%	0	--	--	--	--	--	--	38	4.2	7.8	9.8	140	41	1400	400	4	--	--	--	--	35.1	9
	Lithium	mg/kg	2	100%	0	--	--	--	--	--	--	2	13.8	--	14	14	--	13.9	156	0	--	--	--	--	26.5	0
	Magnesium	mg/kg	34	100%	0	--	--	--	--	--	--	34	7400	10000	11000	11000	12000	17000	100000	0	649	34	13000	3	17500	0
	Manganese	mg/kg	34	100%	0	--	--	--	--	--	--	34	330	410	510	840	790	5600	1080	6	3.26	34	65.2	34	1090	6
	Mercury	mg/kg	38	5%	36	0.035	0.1	0.1	0.097	0.1	0.11	2	0.11	--	0.18	0.18	--	0.25	12.5	0	0.105	2	2.09	0	0.11	1
	Molybdenum	mg/kg	2	100%	0	--	--	--	--	--	--	2	0.43	--	0.57	0.57	--	0.71	391	0	3.64	0	72.7	0	2	0
	Nickel	mg/kg	2	100%	0	--	--	--	--	--	--	2	15	--	16	16	--	16.7	1540	0	7	2	140	0	30	0
	Niobium	mg/kg	2	0%	2	5.3	--	5.3	5.3	--	5.3	0	--	--	--	--	--	--	--	--	--	--	--	--	2.8	--
	Palladium	mg/kg	2	100%	0	--	--	--	--	--	--	2	0.76	--	0.77	0.77	--	0.78	--	--	--	--	--	--	1.5	0
	Phosphorus	mg/kg	2	100%	0	--	--	--	--	--	--	2	1550	--	1700	1700	--	1780	--	--	--	--	--	--	--	--
	Platinum	mg/kg	2	0%	2	0.11	--	0.11	0.11	--	0.11	0	--	--	--	--	--	--	--	--	--	--	--	--	0.099	--
	Potassium	mg/kg	2	100%	0	--	--	--	--	--	--	2	1710	--	2000	2000	--	2260	--	--	--	--	--	--	3890	0
	Selenium	mg/kg	38	3%	37	0.53	5	5	4.9	5	6.4	1	6.8	--	6.8	6.8	--	6.8	391	0	0.3	1	6	1	0.6	1
	Silicon	mg/kg	2	100%	0	--	--	--	--	--	--	2	436	--	550	550	--	672	--	--	--	--	--	--	4150	0
	Silver	mg/kg	38	8%	35	1	1	1	1.1	1	2.1	3	0.045	0.045	2.6	1.8	2.9	2.9	391	0	2	2	40	0	0.2609	2
	Sodium	mg/kg	34	100%	0	--	--	--	--	--	--	34	390	570	700	770	920	2700	--	--	--	--	--	--	1320	1
	Strontium	mg/kg	2	100%	0	--	--	--	--	--	--	2	313	--	350	350	--	381	46900	0	--	--	--	--	808	0
	Thallium	mg/kg	2	0%	2	1.1	--	1.1	1.1	--	1.1	0	--	--	--	--	--	--	5.48	--	0.4	--	8	--	1.8	--
	Tin	mg/kg	2	100%	0	--	--	--	--	--	--	2	0.47	--	0.5	0.5	--	0.52	46900	0	--	--	--	--	0.8	0
	Titanium	mg/kg	2	100%	0	--	--	--	--	--	--	2	664	--	670	670	--	677	100000	0	150000	0	3000000	0	1010	0
	Tungsten	mg/kg	2	100%	0	--	--	--	--	--	--	2	0.27	--	0.3	0.3	--	0.32	587	0	41.2	0	823	0	2.5	0
	Uranium	mg/kg	2	100%	0	--	--	--	--	--	--	2	0.95	--	1.1	1.1	--	1.2	235	0	13.5	0	270	0	2.7	0
	Vanadium	mg/kg	38	100%	0	--	--	--	--	--	--	38	35.9	51	57	110	95	610	391	3	300	3	6000	0	59.1	16
	Zinc	mg/kg	3	67%	1	5	--	5	5	--	5	2	49.4	--	51	51	--	51.7	23500	0	620	0	12400	0	121	0
	Zirconium	mg/kg	2	100%	0	--	--	--	--	--	--	2	13.9	--	15	15	--	15.9	--	--	--	--	--	--	179	0
Organochlorine Pesticides	2,4-DDD	mg/kg	26	8%	24	0.00072	0.00083	0.0011	0.0016	0.0012	0.0073	2	0.0029	--	0.0043	0.0043	--	0.0056	--	--	--	--	--	--	--	--
	2,4-DDE	mg/kg	28	43%	16	0.0001	0.00014	0.00017	0.00038	0.00023	0.0018	12	0.0021	0.0033	0.006	0.12	0.01	0.88	--	--	--	--	--	--	--	--
	4,4-DDD	mg/kg	64	0%	64	0.0001	0.00015	0.0043	0.0029	0.005	0.0075	0	--	--	--	--	--	--	2.44	--	0.8	--	16	--	--	--
	4,4-DDE	mg/kg	64	53%	30	0.0004	0.00061	0.0011	0.0027	0.005	0.0075	34	0.0012	0.0056	0.0099	0.087	0.11	0.71	1.72	0	3	0	60	0	--	--
	4,4-DDT	mg/kg	64	39%	39	0.0002	0.00032	0.005	0.0038	0.005	0.0415	25	0.0015	0.0036	0.01	0.063	0.084	0.45	1.72	0	2	0	40	0	--	--
	Aldrin	mg/kg	64	0%	64	0.0001	0.00016	0.0035	0.0028	0.005	0.0075	0	--	--	--	--	--	--	0.0286	--	0.02	--	0.4	--	--	--
	alpha-BHC	mg/kg	64	8%	59	0.00062	0.001	0.005	0.0032	0.005	0.0075	5	0.0021	0.0028	0.015	0.017	0.032	0.042	0.0902	0	0.00003	5	0.0006	5	--	--
	alpha-Chlordane	mg/kg	64	11%	57	0.00012	0.00019	0.0018	0.0025	0.005	0.0075	7	0.0077	0.009	0.031	0.049	0.11	0.14	--	--	--	--	--	--	--	--
	beta-BHC	mg/kg	64	34%	42	0.00013	0.0002	0.005	0.0033	0.005	0.0075	22	0.0027	0.0056	0.0094	0.024	0.018	0.17	0.316	0	0.0001	22	0.002	22	--	--
	Chlordane	mg/kg	38	0%	38	0.018	0.02	0.02	0.023	0.02	0.044	0	--	--	--	--	--	--	1.62	--	0.5	--	10	--	--	--
	delta-BHC	mg/kg	64	3%	62	0.00011	0.00018	0.0019	0.0027	0.005	0.0075	2	0.013	--	0.057	0.057	--	0.1	--	--	--	--	--	--	--	--
	Dieldrin	mg/kg	64	0%	64	0.00028	0.00045	0.0043	0.0031	0.005	0.0075	0	--	--	--	--	--	--	0.0304	--	0.0002	--	0.004	--	--	--
	Endosulfan I	mg/kg	64	5%	61	0.00013	0.00021	0.005	0.0029	0.005	0.0075	3	0.0026	0.0026	0.018	0.018	0.034	0.034	367	0	0.9	0	18	0	--	--
	Endosulfan II	mg/kg	64	0%	64	0.0001	0.00016	0.0043	0.0029	0.005	0.0075	0	--	--	--	--	--	--	367	--	0.9	--	18	--	--	--
	Endosulfan sulfate	mg/kg	64	0%	64	0.00024	0.00038	0.0043	0.003	0.005	0.0075	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endrin	mg/kg	64	0%	64	0.0002	0.00032	0.0043	0.003	0.005	0.0075	0	--	--	--	--	--	--	18.3	--	0.05	--	1	--	--	--
	Endrin aldehyde	mg/kg	64	2%	63	0.00017	0.00027	0.005	0.003	0.005	0.0075	1	0.0043	--	0.0043	0.0043	--	0.0043	--	--	--	--	--	--	--	--
	Endrin ketone	mg/kg	34	0%	34	0.0018	0.005	0.005	0.0049	0.005	0.0075	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	gamma-Chlordane	mg/kg	64	2%	63	0.00009	0.00015	0.005	0.0028	0.005	0.0075	1	0.0038	--	0.0038	0.0038	--	0.0038	--	--	--	--	--	--	--	--
	Heptachlor	mg/kg	62	3%	60	0.0001	0.00016	0.0018	0.0026	0.005	0.0075	2	0.012	--	0.17	0.17	--	0.32	0.108	1	1	0	20	0	--	--
	Heptachlor epoxide	mg/kg	64	0%	64	0.00014	0.00023	0.0035	0.0028	0.005	0.0075	0	--	--	--	--	--	--	0.0535	--	0.03	--	0.6	--	--	--
	Lindane	mg/kg	64	0%	64	0.00026	0.00041	0.0038	0.0029	0.005	0.0075	0	--	--	--	--	--	--	0.437	--	0.0005	--	0.01	--	--	--
	Methoxychlor	mg/kg	64	8%	59	0.00018	0.00029	0.02	0.012	0.02	0.03	5	0.012	0.014	0.022	0.024	0.035	0.036	306	0	8	0	160	0	--	--
	Toxaphene	mg/kg	64	0%	64	0.0067	0.011	0.06	0.04	0.06	0.09	0	--	--	--	--	--	--	0.442	--	2	--	40	--	--	--
Organo-phosphorus Pesticides	Azinphos-ethyl	mg/kg	2	0%	2	0.035	--	0.035	0.035	--	0.035	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Azinphos-methyl	mg/kg	2	0%	2	0.014	--	0.014	0.014	--	0.014	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Carbophenothion	mg/kg	2	0%	2	0.035	--	0.035	0.035	--	0.035	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Carbophenothion-methyl	mg/kg	2	0%	2	0.035	--	0.035	0.035	--	0.035	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Chlorpyrifos	mg/kg	2	0%	2	0.014	--	0.014	0.014	--	0.014	0	--	--	--	--	--	--	183	--	--	--	--	--	--	--
	Coumaphos	mg/kg	2	0%	2	0.014	--	0.014	0.014	--	0.014	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Demeton-O	mg/kg	2	0%	2	0.014	--	0.014	0.014	--	0.014	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Demeton-S	mg/kg	2	0%	2	0.014	--	0.014	0.014	--	0.014	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Diazinon	mg/kg	2	0%	2	0.014	--	0.014	0.014	--	0.014	0	--	--	--	--	--	--	55	--	--	--	--	--	--	--
	Dichlorvos	mg/kg	2	0%	2	0.014	--	0.014	0.014	--	0.014	0	--	--	--	--	--	--	1.68	--	--	--	--	--	--	--
	Dimethoate	mg/kg	2	0%	2	0.014	--	0.014	0.014	--	0.014	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Disulfoton	mg/kg	28	0%	28	0.0079	0.0083	0.011	0.012	0.013	0.025	0	--	--	--	--	--	--	2.44	--	--	--	--	--	--	--

TABLE 1
SUMMARY OF HISTORICAL SOIL CHEMICAL DATA
TIMET PONDS SUB-AREA
(Page 3 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	LBCL (DAF 1)	Count of Detects > DAF 1	LBCL (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	EPN	mg/kg	2	0%	2	0.014	--	0.014	0.014	--	0.014	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Ethoprophos	mg/kg	2	0%	2	0.014	--	0.014	0.014	--	0.014	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Famphur	mg/kg	28	0%	28	0.0033	0.0035	0.0048	0.0054	0.0055	0.014	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Fenthion	mg/kg	2	0%	2	0.014	--	0.014	0.014	--	0.014	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Malathion	mg/kg	2	0%	2	0.014	--	0.014	0.014	--	0.014	0	--	--	--	--	--	--	1220	--	--	--	--	--	--	--
	Methyl parathion	mg/kg	28	0%	28	0.0065	0.0068	0.0095	0.0097	0.011	0.02	0	--	--	--	--	--	--	15.3	--	--	--	--	--	--	--
	Mevinphos	mg/kg	2	0%	2	0.014	--	0.014	0.014	--	0.014	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Naled	mg/kg	2	0%	2	0.035	--	0.035	0.035	--	0.035	0	--	--	--	--	--	--	122	--	--	--	--	--	--	--
	O,O,O-Triethyl phosphorothioate	mg/kg	2	0%	2	0.014	--	0.014	0.014	--	0.014	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Parathion	mg/kg	28	0%	28	0.0054	0.0057	0.0079	0.0083	0.0091	0.017	0	--	--	--	--	--	--	367	--	--	--	--	--	--	--
	Phorate	mg/kg	28	0%	28	0.0058	0.0061	0.0085	0.0089	0.0098	0.018	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Phosmet	mg/kg	2	0%	2	0.071	--	0.071	0.071	--	0.071	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Ronnel	mg/kg	2	0%	2	0.071	--	0.071	0.071	--	0.071	0	--	--	--	--	--	--	3060	--	--	--	--	--	--	--
	Sulfotep	mg/kg	2	0%	2	0.014	--	0.014	0.014	--	0.014	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Tetrachlorvinphos (Stirophos)	mg/kg	2	0%	2	0.014	--	0.014	0.014	--	0.014	0	--	--	--	--	--	--	20.3	--	--	--	--	--	--	--
Organic Acids	4-Chlorobenzenesulfonic acid	mg/kg	2	0%	2	1	--	1	1	--	1	0	--	--	--	--	--	--	78200	--	0.07	--	1.4	--	--	--
	Benzenesulfonic acid	mg/kg	2	0%	2	1	--	1	1	--	1	0	--	--	--	--	--	--	39100	--	--	--	--	--	--	--
	Diethyl phosphorodithioic acid	mg/kg	2	0%	2	1	--	1	1	--	1	0	--	--	--	--	--	--	6260	--	--	--	--	--	--	--
	Dimethyl phosphorodithioic acid	mg/kg	2	0%	2	1	--	1	1	--	1	0	--	--	--	--	--	--	7820	--	--	--	--	--	--	--
Polynuclear Aromatic Hydrocarbons	Acenaphthene	mg/kg	31	3%	30	0.034	0.037	0.052	0.11	0.057	0.72	1	0.53	--	0.53	0.53	--	0.53	4690	0	29	0	580	0	--	--
	Acenaphthylene	mg/kg	31	3%	30	0.034	0.037	0.053	0.12	0.066	0.72	1	0.38	--	0.38	0.38	--	0.38	147	0	--	--	--	--	--	--
	Anthracene	mg/kg	31	3%	30	0.032	0.035	0.05	0.11	0.057	0.72	1	2.8	--	2.8	2.8	--	2.8	23500	0	590	0	11800	0	--	--
	Benzo(a)anthracene	mg/kg	31	3%	30	0.016	0.035	0.05	0.11	0.057	0.72	1	5.8	--	5.8	5.8	--	5.8	0.622	1	0.08	1	1.6	1	--	--
	Benzo(a)pyrene	mg/kg	31	3%	30	0.016	0.035	0.05	0.11	0.057	0.72	1	4.1	--	4.1	4.1	--	4.1	0.0622	1	0.4	1	8	0	--	--
	Benzo(b)fluoranthene	mg/kg	31	3%	30	0.016	0.035	0.05	0.11	0.057	0.72	1	4.3	--	4.3	4.3	--	4.3	0.622	1	0.2	1	4	1	--	--
	Benzo(g,h,i)perylene	mg/kg	31	3%	30	0.032	0.035	0.05	0.11	0.057	0.72	1	2.1	--	2.1	2.1	--	2.1	2350	0	--	--	--	--	--	--
	Benzo(k)fluoranthene	mg/kg	31	3%	30	0.016	0.035	0.05	0.11	0.057	0.72	1	3.8	--	3.8	3.8	--	3.8	6.21	0	2	1	40	0	--	--
	Chrysene	mg/kg	31	6%	29	0.016	0.035	0.05	0.12	0.058	0.72	2	0.036	--	2.7	2.7	--	5.3	62.1	0	8	0	160	0	--	--
	Dibenzo(a,h)anthracene	mg/kg	31	3%	30	0.032	0.035	0.05	0.11	0.057	0.72	1	0.94	--	0.94	0.94	--	0.94	0.0622	1	0.08	1	1.6	0	--	--
	Indeno(1,2,3-cd)pyrene	mg/kg	31	3%	30	0.016	0.035	0.05	0.11	0.057	0.72	1	2.2	--	2.2	2.2	--	2.2	0.622	1	0.7	1	14	0	--	--
	Phenanthrene	mg/kg	31	6%	29	0.032	0.035	0.05	0.12	0.058	0.72	2	0.058	--	7	7	--	14	24.5	0	--	--	--	--	--	--
	Pyrene	mg/kg	31	3%	30	0.032	0.035	0.05	0.11	0.057	0.72	1	7.3	--	7.3	7.3	--	7.3	2350	0	210	0	4200	0	--	--
Polychlorinated Biphenyls	Aroclor 1016	mg/kg	39	0%	39	0.013	0.02	0.02	0.02	0.02	0.035	0	--	--	--	--	--	--	3.93	--	--	--	--	--	--	--
	Aroclor 1221	mg/kg	39	0%	39	0.013	0.02	0.02	0.02	0.02	0.035	0	--	--	--	--	--	--	0.222	--	--	--	--	--	--	--
	Aroclor 1232	mg/kg	39	0%	39	0.013	0.02	0.02	0.02	0.02	0.035	0	--	--	--	--	--	--	0.222	--	--	--	--	--	--	--
	Aroclor 1242	mg/kg	39	0%	39	0.013	0.02	0.02	0.02	0.02	0.035	0	--	--	--	--	--	--	0.222	--	--	--	--	--	--	--
	Aroclor 1248	mg/kg	39	0%	39	0.013	0.02	0.02	0.02	0.02	0.035	0	--	--	--	--	--	--	0.222	--	--	--	--	--	--	--
	Aroclor 1254	mg/kg	39	0%	39	0.013	0.02	0.02	0.02	0.02	0.035	0	--	--	--	--	--	--	0.222	--	--	--	--	--	--	--
	Aroclor 1260	mg/kg	39	0%	39	0.013	0.02	0.02	0.02	0.02	0.035	0	--	--	--	--	--	--	0.222	--	--	--	--	--	--	--
Radionuclides[d]	Radium-226	pCi/g	2	100%	0	--	--	--	--	--	--	2	1.42	--	1.6	1.6	--	1.76	0.0071	2	0.016	2	0.32	2	2.36	0
	Radium-228	pCi/g	2	100%	0	--	--	--	--	--	--	2	1.64	--	1.7	1.7	--	1.68	0.013	2	0.016	2	0.32	2	2.94	0
	Thorium-228	pCi/g	2	100%	0	--	--	--	--	--	--	2	1.46	--	1.5	1.5	--	1.49	0.0078	2	0.0023	2	0.045	2	2.28	0
	Thorium-230	pCi/g	2	100%	0	--	--	--	--	--	--	2	1.08	--	1.1	1.1	--	1.18	3.2	0	0.00084	2	0.017	2	3.01	0
	Thorium-232	pCi/g	2	100%	0	--	--	--	--	--	--	2	1.24	--	1.3	1.3	--	1.34	2.8	0	0.0029	2	0.058	2	2.23	0
	Uranium-233/234	pCi/g	2	100%	0	--	--	--	--	--	--	2	0.8	--	1	1	--	1.22	4.2	0	--	--	--	--	2.84	0
	Uranium-235/236	pCi/g	2	50%	1	--	--	--	--	--	--	1	0.044	--	0.081	0.081	--	0.117	0.11	1	--	--	--	--	0.21	0
	Uranium-238	pCi/g	2	100%	0	--	--	--	--	--	--	2	0.81	--	0.93	0.93	--	1.05	0.46	2	--	--	--	--	2.37	0
	Actinium-228	pCi/g	2	100%	0	--	--	--	--	--	--	2	1.85	--	2.1	2.1	--	2.3	--	--	--	--	--	--	3.4	0
	Bismuth-210	pCi/g	2	0%	2	--	--	--	--	--	--	0	0.26	--	0.66	0.66	--	1.06	--	--	--	--	--	--	2.2	0
	Bismuth-212	pCi/g	2	100%	0	--	--	--	--	--	--	2	0.74	--	0.83	0.83	--	0.91	--	--	--	--	--	--	1.82	0
	Bismuth-214	pCi/g	2	100%	0	--	--	--	--	--	--	2	0.7	--	0.81	0.81	--	0.92	--	--	--	--	--	--	1.62	0
	Cobalt-57	pCi/g	2	0%	2	--	--	--	--	--	--	0	-0.021	--	-0.018	-0.018	--	-0.015	--	--	--	--	--	--	0.04	0
	Cobalt-60	pCi/g	2	0%	2	--	--	--	--	--	--	0	0.01	--	0.026	0.026	--	0.042	--	--	--	--	--	--	0.082	0
	Gross alpha	pCi/g	2	100%	0	--	--	--	--	--	--	2	30.7	--	32	32	--	33.7	--	--	--	--	--	--	--	--
	Gross beta	pCi/g	2	100%	0	--	--	--	--	--	--	2	38.7	--	41	41	--	43.5	--	--	--	--	--	--	--	--
	Lead-210	pCi/g	2	0%	2	--	--	--	--	--	--	0	0.26	--	0.66	0.66	--	1.06	--	--	--	--	--	--	2.2	0
	Lead-212	pCi/g	2	100%	0	--	--	--	--	--	--	2	1.23	--	1.3	1.3	--	1.4	--	--	--	--	--	--	2.11	0
	Lead-214	pCi/g	2	100%	0	--	--	--	--	--	--	2	0.86	--	0.91	0.91	--	0.96	--	--	--	--	--	--	1.72	0
	Polonium-210	pCi/g	2	0%	2	--	--	--	--	--	--	0	0.26	--	0.66	0.66	--	1.06	--	--	--	--	--	--	2.2	0
	Polonium-212	pCi/g	2	100%	0	--	--	--	--	--	--	2	0.47	--	0.53	0.53	--	0.58	--	--	--	--	--	--	1.17	0
	Polonium-214	pCi/g	2	100%	0	--	--	--	--	--	--	2	0.7	--	0.81	0.81	--	0.92	--	--	--	--	--	--	1.62	0
	Polonium-216	pCi/g	2	100%	0	--	--	--	--	--	--	2	2.4	--	2.8	2.8	--	3.2	--	--	--	--	--	--	2.11	2
	Polonium-218	pCi/g	2	0%	2	--	--	--	--	--	--	0	0	--	0	0	--	0	--	--	--	--	--	--	2.36	0

TABLE 1
SUMMARY OF HISTORICAL SOIL CHEMICAL DATA
TIMET 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	LBCL (DAF 1)	Count of Detects > DAF 1	LBCL (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]	Potassium-40	pCi/g	2	100%	0	--	--	--	--	--	--	2	22.3	--	23	23	--	23.8	--	--	--	--	--	--	35	0
	Protactinium-234	pCi/g	2	0%	2	--	--	--	--	--	--	0	-0.02	--	0	0	--	0.02	--	--	--	--	--	--	0.13	0
	Radium-223	pCi/g	2	0%	2	--	--	--	--	--	--	0	0.12	--	0.28	0.28	--	0.44	--	--	--	--	--	--	0.4	1
	Radium-224	pCi/g	2	100%	0	--	--	--	--	--	--	2	2.4	--	2.8	2.8	--	3.2	--	--	--	--	--	--	2.11	2
	Thallium-208	pCi/g	2	100%	0	--	--	--	--	--	--	2	0.48	--	0.5	0.5	--	0.52	--	--	--	--	--	--	0.72	0
	Thorium-234	pCi/g	2	100%	0	--	--	--	--	--	--	2	1.2	--	1.6	1.6	--	1.97	--	--	--	--	--	--	2.5	0
Semi-Volatile Organic Compounds	1,2,4,5-Tetrachlorobenzene	mg/kg	28	0%	28	0.034	0.036	0.05	0.071	0.057	0.35	0	--	--	--	--	--	--	18.3	--	--	--	--	--	--	--
	1,2-Diphenylhydrazine	mg/kg	10	0%	10	0.034	0.034	0.035	0.035	0.037	0.038	0	--	--	--	--	--	--	0.608	--	--	--	--	--	--	--
	1,4-Dioxane	mg/kg	26	0%	26	0.034	0.035	0.049	0.049	0.056	0.11	0	--	--	--	--	--	--	44.2	--	--	--	--	--	--	--
	2,4,5-Trichlorophenol	mg/kg	31	0%	31	0.034	0.037	0.051	0.13	0.059	0.72	0	--	--	--	--	--	--	6110	--	14	--	280	--	--	--
	2,4,6-Trichlorophenol	mg/kg	31	0%	31	0.034	0.037	0.051	0.13	0.059	0.72	0	--	--	--	--	--	--	44.2	--	0.008	--	0.16	--	--	--
	2,4-Dichlorophenol	mg/kg	31	0%	31	0.034	0.037	0.051	0.13	0.059	0.72	0	--	--	--	--	--	--	183	--	0.05	--	1	--	--	--
	2,4-Dimethylphenol	mg/kg	31	0%	31	0.034	0.037	0.051	0.13	0.059	0.72	0	--	--	--	--	--	--	1220	--	0.4	--	8	--	--	--
	2,4-Dinitrophenol	mg/kg	31	0%	31	0.34	0.37	0.51	0.86	0.58	3.6	0	--	--	--	--	--	--	122	--	0.01	--	0.2	--	--	--
	2,4-Dinitrotoluene	mg/kg	31	0%	31	0.034	0.037	0.051	0.13	0.059	0.72	0	--	--	--	--	--	--	1.57	--	0.00004	--	0.0008	--	--	--
	2,6-Dinitrotoluene	mg/kg	31	0%	31	0.034	0.037	0.051	0.13	0.059	0.72	0	--	--	--	--	--	--	61.1	--	0.00003	--	0.0006	--	--	--
	2-Chloronaphthalene	mg/kg	31	0%	31	0.034	0.037	0.051	0.13	0.059	0.72	0	--	--	--	--	--	--	6260	--	--	--	--	--	--	--
	2-Chlorophenol	mg/kg	31	0%	31	0.034	0.037	0.051	0.13	0.059	0.72	0	--	--	--	--	--	--	391	--	0.2	--	4	--	--	--
	2-Methylnaphthalene	mg/kg	5	0%	5	0.35	0.35	0.67	0.56	0.71	0.72	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2-Nitroaniline	mg/kg	31	0%	31	0.034	0.037	0.051	0.49	0.059	3.6	0	--	--	--	--	--	--	183	--	--	--	--	--	--	--
	2-Nitrophenol	mg/kg	31	0%	31	0.034	0.037	0.051	0.13	0.059	0.72	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3,3'-Dichlorobenzidine	mg/kg	5	0%	5	1.3	1.4	1.4	1.5	1.7	1.7	0	--	--	--	--	--	--	1.08	--	0.0003	--	0.006	--	--	--
	3-Methylphenol & 4-Methylphenol	mg/kg	28	4%	27	0.068	0.07	0.099	0.14	0.11	0.7	1	0.075	--	0.075	0.075	--	0.075	3060	0	--	--	--	--	--	--
	3-Nitroaniline	mg/kg	5	0%	5	1.7	1.7	3.4	2.8	3.6	3.6	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4,6-Dinitro-o-cresol	mg/kg	3	0%	3	3.4	3.4	3.5	3.5	3.6	3.6	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4-Bromophenyl phenyl ether	mg/kg	31	0%	31	0.034	0.037	0.051	0.13	0.059	0.72	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4-Chloro-3-methyl phenol	mg/kg	31	0%	31	0.034	0.037	0.051	0.2	0.059	1.4	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4-Chlorophenyl phenyl ether	mg/kg	5	0%	5	0.35	0.35	0.67	0.56	0.71	0.72	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4-Nitrophenol	mg/kg	31	0%	31	0.34	0.37	0.51	0.86	0.58	3.6	0	--	--	--	--	--	--	489	--	--	--	--	--	--	--
	Acetophenone	mg/kg	28	4%	27	0.034	0.035	0.05	0.072	0.057	0.35	1	0.068	--	0.068	0.068	--	0.068	1740	0	--	--	--	--	--	--
	Aniline	mg/kg	28	0%	28	0.034	0.036	0.05	0.071	0.057	0.35	0	--	--	--	--	--	--	85.3	--	--	--	--	--	--	--
	Azobenzene	mg/kg	18	0%	18	0.042	0.05	0.056	0.091	0.066	0.35	0	--	--	--	--	--	--	3.91	--	--	--	--	--	--	--
	Benzenethiol	mg/kg	2	0%	2	0.35	--	0.35	0.35	--	0.35	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzoic acid	mg/kg	5	0%	5	1.7	1.7	3.4	2.8	3.6	3.6	0	--	--	--	--	--	--	100000	--	20	--	400	--	--	--
	Benzyl alcohol	mg/kg	5	0%	5	0.35	0.35	1.3	0.96	1.4	1.4	0	--	--	--	--	--	--	30600	--	--	--	--	--	--	--
	Benzyl butyl phthalate	mg/kg	31	0%	31	0.034	0.037	0.051	0.13	0.059	0.72	0	--	--	--	--	--	--	240	--	810	--	16200	--	--	--
	bis(2-Chloroethoxy) methane	mg/kg	31	0%	31	0.034	0.037	0.051	0.13	0.059	0.72	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	bis(2-Chloroethyl) ether	mg/kg	31	0%	31	0.034	0.037	0.051	0.13	0.059	0.72	0	--	--	--	--	--	--	0.244	--	0.00002	--	0.0004	--	--	--
	bis(2-Chloroisopropyl) ether	mg/kg	31	0%	31	0.034	0.037	0.051	0.13	0.059	0.72	0	--	--	--	--	--	--	3.38	--	--	--	--	--	--	--
	bis(2-Ethylhexyl) phthalate	mg/kg	5	0%	5	0.35	0.35	0.67	0.56	0.71	0.72	0	--	--	--	--	--	--	34.7	--	180	--	3600	--	--	--
	bis(p-Chlorophenyl) disulfide	mg/kg	2	0%	2	0.35	--	0.35	0.35	--	0.35	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	bis(p-Chlorophenyl) sulfone	mg/kg	2	0%	2	0.35	--	0.35	0.35	--	0.35	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Carbazole	mg/kg	5	0%	5	0.35	0.35	0.67	0.56	0.71	0.72	0	--	--	--	--	--	--	24.3	--	0.03	--	0.6	--	--	--
	Dibenzofuran	mg/kg	5	0%	5	0.35	0.35	0.67	0.56	0.71	0.72	0	--	--	--	--	--	--	156	--	--	--	--	--	--	--
	Dibutyl phthalate	mg/kg	31	0%	31	0.034	0.037	0.051	0.13	0.059	0.72	0	--	--	--	--	--	--	6110	--	270	--	5400	--	--	--
	Diethyl phthalate	mg/kg	31	0%	31	0.034	0.037	0.051	0.13	0.059	0.72	0	--	--	--	--	--	--	48900	--	--	--	--	--	--	--
	Dimethyl phthalate	mg/kg	31	0%	31	0.034	0.037	0.051	0.13	0.059	0.72	0	--	--	--	--	--	--	100000	--	--	--	--	--	--	--
	Di-n-octyl phthalate	mg/kg	31	3%	30	0.015	0.017	0.024	0.11	0.029	0.72	1	1.6	--	1.6	1.6	--	1.6	--	--	--	--	--	--	--	--
	Diphenyl sulfone	mg/kg	2	0%	2	0.35	--	0.35	0.35	--	0.35	0	--	--	--	--	--	--	183	--	--	--	--	--	--	--
	Fluoranthene	mg/kg	31	6%	29	0.034	0.038	0.054	0.14	0.072	0.72	2	0.036	--	6.5	6.5	--	13	2290	0	210	0	4200	0	--	--
	Fluorene	mg/kg	31	3%	30	0.034	0.037	0.053	0.13	0.066	0.72	1	1.3	--	1.3	1.3	--	1.3	3130	0	28	0	560	0	--	--
	Hexachloro-1,3-butadiene	mg/kg	33	6%	31	0.005	0.035	0.051	0.13	0.059	0.72	2	0.074	--	0.075	0.075	--	0.076	6.24	0	0.1	0	2	0	--	--
	Hexachlorobenzene	mg/kg	31	61%	12	0.034	0.034	0.049	0.25	0.59	0.72	19	0.066	0.16	0.45	1.9	2.3	9.2	0.304	12	0.1	16	2	5	--	--
	Hexachlorocyclopentadiene	mg/kg	31	0%	31	0.34	0.37	0.51	0.59	0.58	1.7	0	--	--	--	--	--	--	366	--	20	--	400	--	--	--
	Hexachloroethane	mg/kg	31	0%	31	0.034	0.037	0.051	0.13	0.059	0.72	0	--	--	--	--	--	--	34.7	--	0.02	--	0.4	--	--	--
	Hydroxymethyl phthalimide	mg/kg	2	0%	2	0.35	--	0.35	0.35	--	0.35	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Isophorone	mg/kg	5	0%	5	0.35	0.35	0.67	0.56	0.71	0.72	0	--	--	--	--	--	--	512	--	0.03	--	0.6	--	--	--
	Naphthalene	mg/kg	33	3%	32	0.01	0.035	0.051	0.13	0.059	0.72	1	2.1	--	2.1	2.1	--	2.1	3.1	0	4	0	80	0	--	--
	Nitrobenzene	mg/kg	31	0%	31	0.034	0.037	0.051	0.13	0.059	0.72	0	--	--	--	--	--	--	2.69	--	0.007	--	0.14	--	--	--
	N-nitrosodi-n-propylamine	mg/kg	31	0%	31	0.034	0.037	0.051	0.13	0.059	0.72	0	--	--	--	--	--	--	0.0695	--	0.000002	--	0.00004	--	--	--
	N-nitrosodiphenylamine	mg/kg	31	0%	31	0.034	0.037	0.051	0.13	0.059	0.72	0	--	--	--	--	--	--	99.3	--	0.06	--	1.2	--	--	--
	o-Cresol	mg/kg	31	0%	31	0.034	0.037	0.18	0.21	0.21	0.72	0	--	--	--	--	--	--	3060	--	0.8	--	16	--	--	--
	p-Chloroaniline	mg/kg	31	0%	31	0.034	0.037	0.051	0.2	0.059	1.4	0	--	--	--	--	--	--	244	--	0.03	--	0.6	--	--	--

TABLE 1
SUMMARY OF HISTORICAL SOIL CHEMICAL DATA
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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	LBCL (DAF 1)	Count of Detects > DAF 1	LBCL (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	p-Chlorothiophenol	mg/kg	2	0%	2	0.35	--	0.35	0.35	--	0.35	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	p-Cresol	mg/kg	3	0%	3	0.67	0.67	0.7	0.7	0.72	0.72	0	--	--	--	--	--	--	306	--	--	--	--	--	--	--
	Pentachlorobenzene	mg/kg	28	29%	20	0.034	0.035	0.05	0.078	0.057	0.35	8	0.055	0.068	0.19	0.21	0.26	0.59	48.9	0	--	--	--	--	--	--
	Pentachlorophenol	mg/kg	31	0%	31	0.34	0.37	0.51	0.86	0.58	3.6	0	--	--	--	--	--	--	2.98	--	0.001	--	0.02	--	--	--
	Phenol	mg/kg	31	0%	31	0.034	0.037	0.051	0.13	0.059	0.72	0	--	--	--	--	--	--	18300	--	5	--	100	--	--	--
	Phenyl Disulfide	mg/kg	2	0%	2	0.35	--	0.35	0.35	--	0.35	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Phenyl Sulfide	mg/kg	2	0%	2	0.35	--	0.35	0.35	--	0.35	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Phthalic acid	mg/kg	28	7%	26	0.26	0.34	0.4	0.55	0.44	1.8	2	0.084	--	0.11	0.11	--	0.13	100000	0	--	--	--	--	--	--
	p-Nitroaniline	mg/kg	31	0%	31	0.34	0.37	0.51	0.86	0.58	3.6	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Pyridine	mg/kg	28	0%	28	0.042	0.054	0.072	0.21	0.35	0.7	0	--	--	--	--	--	--	61.1	--	--	--	--	--	--	--
Volatile Organic Compounds	1,1,1,2-Tetrachloroethane	mg/kg	30	0%	30	0.00023	0.00025	0.00037	0.0012	0.0017	0.0062	0	--	--	--	--	--	--	3.69	--	--	--	--	--	--	--
	1,1,1-Trichloroethane	mg/kg	34	0%	34	0.00015	0.00017	0.00025	0.0011	0.0011	0.0062	0	--	--	--	--	--	--	1390	--	0.1	--	2	--	--	--
	1,1,2,2-Tetrachloroethane	mg/kg	34	0%	34	0.00014	0.00016	0.00024	0.0011	0.0011	0.0062	0	--	--	--	--	--	--	0.472	--	0.0002	--	0.004	--	--	--
	1,1,2-Trichloroethane	mg/kg	34	0%	34	0.00029	0.00033	0.00048	0.0015	0.0022	0.0062	0	--	--	--	--	--	--	1.05	--	0.0009	--	0.018	--	--	--
	1,1-Dichloroethane	mg/kg	34	0%	34	0.00097	0.0011	0.0015	0.0027	0.005	0.0084	0	--	--	--	--	--	--	4.19	--	1	--	20	--	--	--
	1,1-Dichloroethylene	mg/kg	32	0%	32	0.00056	0.00062	0.00091	0.0017	0.0017	0.0062	0	--	--	--	--	--	--	285	--	0.003	--	0.06	--	--	--
	1,1-Dichloropropene	mg/kg	4	0%	4	0.005	0.005	0.0052	0.0054	0.006	0.0062	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1,2,3-Trichlorobenzene	mg/kg	4	0%	4	0.005	0.005	0.0052	0.0054	0.006	0.0062	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1,2,3-Trichloropropane	mg/kg	27	0%	27	0.00057	0.00059	0.00091	0.008	0.0047	0.16	0	--	--	--	--	--	--	0.32	--	--	--	--	--	--	--
	1,2,4-Trichlorobenzene	mg/kg	30	0%	30	0.00075	0.00081	0.0013	0.075	0.0061	0.72	0	--	--	--	--	--	--	143	--	0.3	--	6	--	--	--
	1,2,4-Trimethylbenzene	mg/kg	4	0%	4	0.005	0.005	0.0052	0.0054	0.006	0.0062	0	--	--	--	--	--	--	144	--	--	--	--	--	--	--
	1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	27	0%	27	0.00091	0.00094	0.0015	0.0069	0.0062	0.1	0	--	--	--	--	--	--	0.0104	--	--	--	--	--	--	--
	1,2-Dibromoethane	mg/kg	2	0%	2	0.005	--	0.005	0.005	--	0.005	0	--	--	--	--	--	--	0.0335	--	--	--	--	--	--	--
	1,2-Dichlorobenzene	mg/kg	31	3%	30	0.00015	0.00017	0.00026	0.0034	0.0012	0.069	1	0.0098	--	0.0098	0.0098	--	0.0098	373	0	0.9	0	18	0	--	--
	1,2-Dichloroethane	mg/kg	34	9%	31	0.00045	0.00049	0.00074	0.0017	0.003	0.0062	3	0.0013	0.0013	0.0051	0.005	0.0086	0.0086	0.433	0	0.001	3	0.02	0	--	--
	1,2-Dichloroethylene	mg/kg	2	0%	2	0.0054	--	0.0058	0.0058	--	0.0062	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1,2-Dichloropropane	mg/kg	34	6%	32	0.00038	0.00042	0.00064	0.0016	0.0025	0.0062	2	0.00083	--	0.0035	0.0035	--	0.0061	0.82	0	0.001	1	0.02	0	--	--
	1,3,5-Trichlorobenzene	mg/kg	2	0%	2	0.0054	--	0.0058	0.0058	--	0.0062	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1,3,5-Trimethylbenzene	mg/kg	4	0%	4	0.005	0.005	0.0052	0.0054	0.006	0.0062	0	--	--	--	--	--	--	49.8	--	--	--	--	--	--	--
	1,3-Dichlorobenzene	mg/kg	31	0%	31	0.00013	0.00015	0.00022	0.0028	0.0011	0.054	0	--	--	--	--	--	--	235	--	--	--	--	--	--	--
	1,3-Dichloropropane	mg/kg	4	0%	4	0.005	0.005	0.0052	0.0054	0.006	0.0062	0	--	--	--	--	--	--	1130	--	0.001	--	0.02	--	--	--
	1,4-Dichlorobenzene	mg/kg	31	3%	30	0.00011	0.00012	0.00023	0.0026	0.0011	0.046	1	0.00081	--	0.00081	0.00081	--	0.00081	2.59	0	0.1	0	2	0	--	--
	2,2-Dichloropropane	mg/kg	4	0%	4	0.0054	0.0056	0.0081	0.0079	0.01	0.01	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2-Chloroethyl vinyl ether	mg/kg	4	0%	4	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2-Chlorotoluene	mg/kg	4	0%	4	0.005	0.005	0.0052	0.0054	0.006	0.0062	0	--	--	--	--	--	--	511	--	--	--	--	--	--	--
	2-Phenylbutane	mg/kg	4	0%	4	0.005	0.005	0.0052	0.0054	0.006	0.0062	0	--	--	--	--	--	--	223	--	--	--	--	--	--	--
	4-Chlorotoluene	mg/kg	4	0%	4	0.005	0.005	0.0052	0.0054	0.006	0.0062	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Acetone	mg/kg	34	44%	19	0.0032	0.0039	0.004	0.012	0.025	0.034	15	0.011	0.097	0.22	0.38	0.57	1.6	60000	0	0.8	2	16	0	--	--
	Acetonitrile	mg/kg	28	25%	21	0.002	0.0021	0.0029	0.011	0.015	0.061	7	0.03	0.035	0.073	0.077	0.11	0.15	1470	0	--	--	--	--	--	--
	Benzene	mg/kg	34	6%	32	0.00017	0.00019	0.00029	0.00098	0.0011	0.0054	2	0.001	--	0.0014	0.0014	--	0.0017	0.81	0	0.002	0	0.04	0	--	--
	Bromobenzene	mg/kg	4	0%	4	0.005	0.005	0.0052	0.0054	0.006	0.0062	0	--	--	--	--	--	--	63.5	--	--	--	--	--	--	--
	Bromodichloromethane	mg/kg	34	29%	24	0.00034	0.00035	0.00071	0.0016	0.0019	0.0062	10	0.0021	0.0057	0.032	0.044	0.05	0.22	10.3	0	0.03	6	0.6	0	--	--
	Bromomethane	mg/kg	34	0%	34	0.00032	0.00036	0.00053	0.0019	0.0022	0.012	0	--	--	--	--	--	--	8.7	--	0.01	--	0.2	--	--	--
	Carbon disulfide	mg/kg	34	3%	33	0.00056	0.00062	0.00094	0.0019	0.0037	0.0062	1	0.0026	--	0.0026	0.0026	--	0.0026	721	0	2	0	40	0	--	--
	Carbon tetrachloride	mg/kg	34	24%	26	0.00092	0.00095	0.0011	0.0021	0.0025	0.0062	8	0.011	0.012	0.015	0.029	0.042	0.095	0.3	0	0.003	8	0.06	1	--	--
	CFC-11	mg/kg	34	0%	34	0.00051	0.00058	0.00085	0.0021	0.0033	0.01	0	--	--	--	--	--	--	883	--	--	--	--	--	--	--
	CFC-12	mg/kg	30	0%	30	0.00038	0.00041	0.00061	0.0019	0.0025	0.012	0	--	--	--	--	--	--	218	--	--	--	--	--	--	--
	Chlorinated fluorocarbon (Freon 113)	mg/kg	28	0%	28	0.00055	0.00057	0.0008	0.0012	0.00092	0.0062	0	--	--	--	--	--	--	5550	--	--	--	--	--	--	--
	Chlorobenzene	mg/kg	34	0%	34	0.00013	0.00014	0.00021	0.001	0.0011	0.0062	0	--	--	--	--	--	--	273	--	0.07	--	1.4	--	--	--
	Chlorobromomethane	mg/kg	4	0%	4	0.005	0.005	0.0052	0.0054	0.006	0.0062	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Chlorodibromomethane	mg/kg	34	21%	27	0.00029	0.0003	0.00047	0.0014	0.0011	0.0062	7	0.0012	0.0099	0.033	0.052	0.069	0.2	1.12	0	0.02	4	0.4	0	--	--
	Chloroethane	mg/kg	34	6%	32	0.00036	0.00039	0.00059	0.0015	0.0024	0.0062	2	0.02	--	0.03	0.03	--	0.04	221	0	--	--	--	--	--	--
	Chloroform	mg/kg	34	53%	16	0.00015	0.00015	0.00063	0.0017	0.004	0.0062	18	0.0014	0.016	0.13	0.67	0.77	4.1	0.306	8	0.03	13	0.6	7	--	--
	Chloromethane	mg/kg	34	18%	28	0.00045	0.00048	0.00093	0.0023	0.0035	0.012	6	0.0038	0.0054	0.011	0.016	0.031	0.036	1.6	0	--	--	--	--	--	--
	cis-1,2-Dichloroethylene	mg/kg	8	0%	8	0.0011	0.0011	0.0031	0.0033	0.0053	0.0062	0	--	--	--	--	--	--	782	--	0.02	--	0.4	--	--	--
	cis-1,3-Dichloropropylene	mg/kg	34	0%	34	0.00074	0.00083	0.0012	0.0024	0.0047	0.0064	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Cymene	mg/kg	4	0%	4	0.005	0.005	0.0052	0.0054	0.006	0.0062	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Dibromomethane	mg/kg	28	0%	28	0.00036	0.00038	0.00056	0.0013	0.0019	0.0062	0	--	--	--	--	--	--	782	--	--	--	--	--	--	--
	Dichloromethane	mg/kg	34	3%	33	0.0011	0.0026	0.0039	0.0059	0.0058	0.022	1	0.0065	--	0.0065	0.0065	--	0.0065	11	0	0.001	1	0.02	0	--	--
	Ethylbenzene	mg/kg	34	0%	34	0.00019	0.00021	0.00032	0.0011	0.0012	0.0062	0	--	--	--	--	--	--	3.79	--	0.7	--	14	--	--	--
	Isopropylbenzene	mg/kg	4	0%	4	0.005	0.005	0.0052	0.0054	0.006	0.0062	0	--	--	--	--	--	--	371	--	--	--	--	--	--	--
	m,p-Xylene	mg/kg	8	0%	8	0.0021	0.0021	0.0036	0.0038	0.0053	0.0062	0	--	--	--	--	--	--	214	--	10	--	200	--	--	--
	Methyl disulfide	mg/kg	2	0%	2	0.0054	--	0.0058	0.0058	--	0.0062	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
SUMMARY OF HISTORICAL SOIL CHEMICAL DATA
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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	LBCL (DAF 1)	Count of Detects > DAF 1	LBCL (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	Methyl ethyl ketone	mg/kg	34	26%	25	0.0014	0.0014	0.0022	0.0071	0.011	0.025	9	0.0096	0.011	0.016	0.033	0.048	0.12	32100	0	--	--	--	--	--	--
	Methyl iodide	mg/kg	30	0%	30	0.00026	0.00029	0.00042	0.0013	0.0019	0.0062	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Methyl isobutyl ketone	mg/kg	34	0%	34	0.0016	0.0019	0.0028	0.0068	0.01	0.025	0	--	--	--	--	--	--	5800	--	--	--	--	--	--	--
	Methyl n-butyl ketone	mg/kg	6	0%	6	0.0032	0.0032	0.0033	0.01	0.025	0.025	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MTBE (Methyl tert-butyl ether)	mg/kg	4	0%	4	0.005	0.005	0.0052	0.0054	0.006	0.0062	0	--	--	--	--	--	--	39.2	--	--	--	--	--	--	--
	n-Butyl benzene	mg/kg	4	0%	4	0.005	0.005	0.0052	0.0054	0.006	0.0062	0	--	--	--	--	--	--	237	--	--	--	--	--	--	--
	n-Propyl benzene	mg/kg	4	0%	4	0.005	0.005	0.0052	0.0054	0.006	0.0062	0	--	--	--	--	--	--	237	--	--	--	--	--	--	--
	o-Xylene	mg/kg	8	0%	8	0.0011	0.0011	0.0031	0.0033	0.0053	0.0062	0	--	--	--	--	--	--	282	--	9	--	180	--	--	--
	Styrene (monomer)	mg/kg	8	0%	8	0.0011	0.0011	0.0031	0.0033	0.0053	0.0062	0	--	--	--	--	--	--	1730	--	0.2	--	4	--	--	--
	tert-Butyl benzene	mg/kg	4	0%	4	0.005	0.005	0.0052	0.0054	0.006	0.0062	0	--	--	--	--	--	--	393	--	--	--	--	--	--	--
	Tetrachloroethylene	mg/kg	34	24%	26	0.00028	0.00029	0.00043	0.0011	0.0013	0.005	8	0.00083	0.002	0.003	0.0045	0.006	0.014	0.624	0	0.003	4	0.06	0	--	--
	Toluene	mg/kg	34	3%	33	0.00013	0.00015	0.00022	0.0012	0.0017	0.0062	1	0.0082	--	0.0082	0.0082	--	0.0082	521	0	0.6	0	12	0	--	--
	trans-1,2-Dichloroethylene	mg/kg	34	0%	34	0.00023	0.00025	0.00038	0.0012	0.0014	0.0062	0	--	--	--	--	--	--	122	--	0.03	--	0.6	--	--	--
	trans-1,3-Dichloropropylene	mg/kg	34	0%	34	0.00021	0.00023	0.00035	0.0013	0.0019	0.0062	0	--	--	--	--	--	--	0.858	--	0.0002	--	0.004	--	--	--
	Tribromomethane	mg/kg	34	18%	28	0.00025	0.00026	0.00042	0.0013	0.0014	0.0062	6	0.002	0.0095	0.038	0.06	0.13	0.14	61.6	0	0.04	3	0.8	0	--	--
	Trichloroethylene	mg/kg	34	15%	29	0.00037	0.00041	0.00061	0.0013	0.0018	0.005	5	0.00025	0.0005	0.00084	0.00091	0.0014	0.0017	1.06	0	0.003	0	0.06	0	--	--
	Vinyl acetate	mg/kg	6	0%	6	0.0011	0.0011	0.0011	0.0027	0.0056	0.0062	0	--	--	--	--	--	--	988	--	8	--	160	--	--	--
	Vinyl chloride	mg/kg	34	0%	34	0.00024	0.00027	0.00041	0.0014	0.0021	0.0062	0	--	--	--	--	--	--	0.349	--	0.0007	--	0.014	--	--	--
	Xylenes (total)	mg/kg	28	4%	27	0.00088	0.0009	0.0013	0.003	0.0054	0.012	1	0.007	--	0.007	0.007	--	0.007	214	0	10	0	200	0	--	--

Notes:

BCL = Basic Comparison Levels (BCLs) from NDEP 2009b. Values used are residential soil BCLs.
LBCL = Leaching-based BCLs from NDEP 2009b.
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 2 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 TIMET Ponds sub-area.
-- = Not applicable or no value has been established.

TABLE 2
SUMMARY OF 2009 EASTSIDE ALLUVIAL AQUIFER GROUNDWATER DATA FROM MONITORING WELLS AA-09 AND POD8
TIMET PONDS SUB-AREA
(Page 1 of 4)

Class	Chemical	Units	USEPA 2002 VI SL[1]	USEPA MCL	NDEP Water BCL	AA-09 On-Site 8/12/2009	POD8 On-Site 9/3/2009
General Chemistry	Ammonia	µg/L	--	--	200	< 8.1 U	< 8.1 U
	Bicarbonate alkalinity	mg/L	--	--	--	69	197
	Bromide	mg/L	--	--	--	0.5	0.7
	Bromine	mg/L	--	--	--	0.99	1.4
	Carbonate alkalinity	mg/L	--	--	--	< 0.31 U	< 0.31 U
	Chlorate	mg/L	--	--	--	80.1	4.2
	Chloride	mg/L	--	--	--	1090	753 J-TDS
	Chlorine	mg/L	--	4	4	**2180**	**1510 J-TDS**
	Chlorite	µg/L	--	1000	--	< 80 U	< 40 U
	Cyanide, Total	µg/L	--	200	200	< 3.5 UJ	< 3.5 U
	Fluoride	mg/L	--	4	4	0.54 J	0.72 J-TDS
	Hydroxide alkalinity	mg/L	--	--	--	< 0.31 U	< 0.31 U
	Iodide	mg/L	--	--	--	< 0.3 U	< 0.3 U
	Ion Balance Difference	Pct	--	--	--	0.76	1.8
	Nitrate	mg/L	--	10	10	**14.4**	**25.4 J-TDS**
	Nitrite	mg/L	--	1	1	< 0.06 U	< 0.06 U
	Orthophosphate	mg/L	--	--	--	< 0.05 U	< 0.05 U
	Perchlorate	µg/L	--	18/24.5[2]	18	**6000**	**310**
	Sulfate	mg/L	--	--	--	2870	1900 J-TDS
	Sulfide	mg/L	--	--	--	< 0.083 U	< 0.083 U
	Total Alkalinity	mg/L	--	--	--	69	197 J-TDS
	Total Inorganic Carbon	mg/L	--	--	--	11.5	54
	Total Kjeldahl Nitrogen	mg/L	--	--	--	< 0.25 U	< 0.25 U
	Total Organic Carbon	mg/L	--	--	--	0.97 J	1.6
Metals	Aluminum	µg/L	--	--	36500	31.8	325
	Antimony	µg/L	--	6	6	< 0.07 U	< 0.35 U
	Arsenic	µg/L	--	10	10	**108**	**67.8**
	Barium	µg/L	--	2000	2000	13	34.7
	Beryllium	µg/L	--	4	4	< 0.08 U	< 0.4 U
	Boron	µg/L	--	--	7300	4060	2020
	Cadmium	µg/L	--	5	5	0.21 J	< 0.2 U
	Calcium	µg/L	--	--	--	538000	370000 J-TDS
	Chromium (Total)	µg/L	--	100	100	90.1	10.1 J
	Chromium (VI)	µg/L	--	100	100	89	4.69 J
	Cobalt	µg/L	--	--	11	0.6 J	< 0.05 U
	Copper	µg/L	--	1300	1360	< 0.56 U	< 2.8 U
	Iron	µg/L	--	--	25600	1750	2320
	Lead	µg/L	--	15	15	< 0.18 U	< 0.9 U
	Lithium	µg/L	--	--	73	< 13 U	**278**
	Magnesium	µg/L	--	--	207000	**294000**	**225000 J-TDS**
	Manganese	µg/L	--	--	510	1.2 J	8.5 J
	Mercury	µg/L	--	2	10.95	< 0.027 U	0.038 J-
	Molybdenum	µg/L	--	--	180	75.2	29.7
	Nickel	µg/L	--	--	730	3.2 J	9.1 J
	Potassium	µg/L	--	--	--	30500	32500 J-TDS
	Selenium	µg/L	--	50	50	**66.3**	22.8 J
	Silver	µg/L	--	--	180	< 0.015 U	< 0.075 U
	Sodium	µg/L	--	--	--	923000	539000 J-TDS
	Strontium	µg/L	--	--	21900	9830	9570
	Thallium	µg/L	--	2	2	< 0.02 U	< 0.1 U
	Tin	µg/L	--	--	21900	0.28 J	< 0.85 U
	Titanium	µg/L	--	--	146000	6.9 J	15.7

TABLE 2
SUMMARY OF 2009 EASTSIDE ALLUVIAL AQUIFER GROUNDWATER DATA FROM MONITORING WELLS AA-09 AND POD8
TIMET PONDS SUB-AREA
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Class	Chemical	Units	USEPA 2002 VI SL[1]	USEPA MCL	NDEP Water BCL	AA-09 On-Site 8/12/2009	POD8 On-Site 9/3/2009
Metals	Tungsten	µg/L	--	--	270	< 0.022 U	< 0.11 U
	Uranium	µg/L	--	30	30	18.2	**53.1**
	Vanadium	µg/L	--	--	180	39.9	23.5 J
	Zinc	µg/L	--	--	11000	< 2 U	< 10 U
Organochlorine Pesticides	2,4'-DDD	µg/L	--	--	--	< 0.01 U	< 0.01 U
	2,4'-DDE	µg/L	--	--	--	< 0.01 U	< 0.01 U
	4,4'-DDD	µg/L	--	--	0.28	< 0.01 U	< 0.01 U
	4,4'-DDE	µg/L	29	--	0.2	< 0.02 U	< 0.02 U
	4,4'-DDT	µg/L	--	--	0.2	< 0.01 U	< 0.01 U
	Aldrin	µg/L	0.071	--	0.004	*< 0.01 U*	*< 0.01 U*
	alpha-BHC	µg/L	3.1	--	0.011	< 0.01 U	**0.088**
	alpha-Chlordane	µg/L	--	--	--	< 0.02 U	< 0.02 U
	beta-BHC	µg/L	--	--	0.037	< 0.01 U	**0.06**
	Chlordane	µg/L	12	2	2	< 0.04 U	< 0.04 U
	delta-BHC	µg/L	--	--	--	< 0.01 U	< 0.01 U
	Dieldrin	µg/L	0.86	--	0.0042	*< 0.01 U*	*< 0.01 U*
	Endosulfan I	µg/L	--	--	--	< 0.02 U	< 0.02 U
	Endosulfan II	µg/L	--	--	--	< 0.01 U	< 0.01 U
	Endosulfan sulfate	µg/L	--	--	--	< 0.01 U	< 0.01 U
	Endrin	µg/L	--	2	2	< 0.01 U	< 0.01 U
	Endrin aldehyde	µg/L	--	--	--	< 0.01 U	< 0.01 U
	Endrin ketone	µg/L	--	--	--	< 0.02 U	< 0.02 U
	gamma-BHC (Lindane)	µg/L	11	0.2	0.2	< 0.003 U	< 0.003 U
	gamma-Chlordane	µg/L	--	--	--	< 0.01 U	< 0.01 U
	Heptachlor	µg/L	0.4	0.4	0.4	< 0.003 U	< 0.003 U
	Heptachlor epoxide	µg/L	--	0.2	0.2	< 0.01 U	< 0.01 U
	Methoxychlor	µg/L	--	40	40	< 0.01 U	< 0.01 U
	Toxaphene	µg/L	--	3	3	< 0.66 U	< 0.66 U
Radionuclides	Radium-226	pCi/L	--	--	--	0.743	1 U
	Radium-226/228	pCi/L	--	5[3]	--	1.16	2.71
	Radium-228	pCi/L	--	--	--	0.415 UJ	1.71
	Thorium-228	pCi/L	--	--	--	0.0894 U	0.0781 U
	Thorium-230	pCi/L	--	--	--	0.527	-0.00265 U
	Thorium-232	pCi/L	--	--	--	0.0832 U	-0.205 U
	Uranium-233/234	pCi/L	--	--	--	6.9	20.9
	Uranium-235/236	pCi/L	--	--	--	0.125 U	1.29
	Uranium-238	pCi/L	--	--	--	5.3 J	16
VOCs	1,1,1,2-Tetrachloroethane	µg/L	3.3	--	2.3	< 0.16 U	< 0.16 U
	1,1,1-Trichloroethane	µg/L	3,100	200	200	< 0.088 U	< 0.088 U
	1,1,2,2-Tetrachloroethane	µg/L	3	--	0.3	< 0.11 U	< 0.11 U
	1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	1,500	--	876000	< 0.12 U	< 0.12 U
	1,1,2-Trichloroethane	µg/L	5	5	5	< 0.071 U	< 0.071 U
	1,1-Dichloroethane	µg/L	2,200	--	12	0.14 J	< 0.083 U
	1,1-Dichloroethene	µg/L	190	7	7	< 0.11 U	< 0.11 U
	1,1-Dichloropropene	µg/L	--	--	--	< 0.068 U	< 0.068 U
	1,2,3-Trichlorobenzene	µg/L	--	--	--	< 0.16 U	< 0.16 U
	1,2,3-Trichloropropane	µg/L	290	--	0.034	*< 0.23 U*	*< 0.23 U*
	1,2,4-Trichlorobenzene	µg/L	3,400	70	70	< 0.16 U	< 0.16 U
	1,2,4-Trimethylbenzene	µg/L	24	--	51	< 0.062 U	< 0.062 U
	1,2-Dibromo-3-chloropropane (DBCP)	µg/L	33	0.2	0.2	< 0.2 U	< 0.2 U
	1,2-Dichlorobenzene	µg/L	2,600	600	600	< 0.11 U	< 0.11 U
	1,2-Dichloroethane	µg/L	5	5	5	< 0.05 U	< 0.05 U

TABLE 2
SUMMARY OF 2009 EASTSIDE ALLUVIAL AQUIFER GROUNDWATER DATA FROM MONITORING WELLS AA-09 AND POD8
TIMET PONDS SUB-AREA
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Class	Chemical	Units	USEPA 2002 VI SL[1]	USEPA MCL	NDEP Water BCL	AA-09 On-Site 8/12/2009	POD8 On-Site 9/3/2009
VOCs	1,2-Dichloroethene (total)	µg/L	--	--	--	< 0.21 U	< 0.21 U
	1,2-Dichloropropane	µg/L	35	5	5	< 0.054 U	< 0.054 U
	1,3,5-Trichlorobenzene	µg/L	--	--	--	< 0.12 U	< 0.12 U
	1,3,5-Trimethylbenzene	µg/L	25	--	590	< 0.11 U	< 0.11 U
	1,3-Dichlorobenzene	µg/L	830	--	110	< 0.081 U	< 0.081 U
	1,3-Dichloropropane	µg/L	0.84	--	730	< 0.053 U	< 0.053 U
	1,4-Dichlorobenzene	µg/L	8,200	75	75	< 0.11 U	< 0.11 U
	2,2,3-Trimethylbutane	µg/L	--	--	--	< 0.23 U	< 0.23 U
	2,2-Dichloropropane	µg/L	--	--	--	< 0.1 U	< 0.1 U
	2,2-Dimethylpentane	µg/L	--	--	--	< 0.16 U	< 0.16 U
	2,3-Dimethylpentane	µg/L	--	--	--	< 0.18 U	< 0.18 U
	2,4-Dimethylpentane	µg/L	--	--	--	< 0.19 U	< 0.19 U
	2-Chlorotoluene	µg/L	--	--	730	< 0.11 U	< 0.11 U
	2-Hexanone	µg/L	--	--	--	< 1.3 U	< 1.3 U
	2-Methylhexane	µg/L	--	--	--	< 0.15 U	< 0.15 U
	2-Nitropropane	µg/L	0.18	--	0.0063	*< 1.1 U*	*< 1.1 U*
	3,3-Dimethylpentane	µg/L	--	--	--	< 0.2 U	< 0.2 U
	3-Ethylpentane	µg/L	--	--	--	< 0.089 U	< 0.089 U
	3-Methylhexane	µg/L	--	--	--	< 0.17 U	< 0.17 U
	4-Chlorotoluene	µg/L	--	--	--	< 0.095 U	< 0.095 U
	4-Methyl-2-pentanone	µg/L	14,000	--	2900	< 0.32 U	< 0.32 U
	Acetone	µg/L	220,000	--	32600	< 0.42 U	< 0.42 U
	Acetonitrile	µg/L	42,000	--	440	< 4.2 U	< 4.2 UJ
	Benzene	µg/L	5	5	5	< 0.06 U	< 0.06 U
	Bromobenzene	µg/L	--	--	490	< 0.084 U	< 0.084 U
	Bromodichloromethane	µg/L	2.1	80[4]	1.1	< 0.098 U	< 0.098 U
	Bromoform	µg/L	0.0083	80[4]	8.5	< 0.15 U	< 0.15 U
	Bromomethane	µg/L	--	--	48	< 0.096 U	< 0.096 U
	Carbon disulfide	µg/L	560	--	3520	< 0.52 U	< 0.52 U
	Carbon tetrachloride	µg/L	5	5	5	0.68 J	< 0.073 U
	Chlorobenzene	µg/L	390	100	100	< 0.06 U	< 0.06 U
	Chlorobromomethane	µg/L	3.2	--	--	< 0.12 U	< 0.12 U
	Chlorodibromomethane	µg/L	--	80[4]	0.7	< 0.21 U	< 0.21 U
	Chloroethane	µg/L	28,000	--	23	< 0.085 U	< 0.085 U
	Chloroform	µg/L	80	80[4]	1.6	**61 J**	0.64 J
	Chloromethane	µg/L	--	--	81	< 0.086 U	< 0.086 U
	cis-1,2-Dichloroethene	µg/L	210	70	70	< 0.14 U	< 0.14 U
	cis-1,3-Dichloropropene	µg/L	--	--	--	< 0.099 U	< 0.099 U
	Cymene (Isopropyltoluene)	µg/L	--	--	--	< 0.11 U	< 0.11 U
	Dibromomethane	µg/L	990	--	370	< 0.095 U	< 0.095 U
	Dichlorodifluoromethane (Freon-12)	µg/L	14	--	5840	< 0.058 UJ	< 0.058 U
	Dichloromethane	µg/L	58	5	5	< 0.1 U	< 0.1 U
	Dimethyl disulfide	µg/L	--	--	--	< 0.27 U	< 0.27 U
	Ethanol	µg/L	--	--	--	< 85 U	< 85 UJ
	Ethylbenzene	µg/L	700	700	700	< 0.11 U	< 0.11 U
	Isopropylbenzene	µg/L	8.4	--	3440	< 0.096 U	< 0.096 U
	m,p-Xylene	µg/L	--	--	42600	< 0.19 U	< 0.19 U
	Methyl ethyl ketone	µg/L	440,000	--	21300	< 0.83 U	< 0.83 U
	Methyl iodide	µg/L	--	--	--	< 0.091 U	< 0.091 U
	MTBE (Methyl tert-butyl ether)	µg/L	120,000	--	35	< 0.098 U	0.37 J
	n-Butylbenzene	µg/L	260	--	370	< 0.12 U	< 0.12 U
	n-Heptane	µg/L	--	--	--	< 0.12 U	< 0.12 U

TABLE 2
SUMMARY OF 2009 EASTSIDE ALLUVIAL AQUIFER GROUNDWATER DATA FROM MONITORING WELLS AA-09 AND POD8
TIMET PONDS SUB-AREA
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Class	Chemical	Units	USEPA 2002 VI SL[1]	USEPA MCL	NDEP Water BCL	AA-09 On-Site 8/12/2009	POD8 On-Site 9/3/2009
VOCs	Nonanal	µg/L	--	--	--	< 1.2 U	< 1.2 U
	n-Propylbenzene	µg/L	320	--	370	< 0.093 U	< 0.093 U
	o-Xylene	µg/L	--	--	42600	< 0.055 U	< 0.055 U
	sec-Butylbenzene	µg/L	--	--	370	< 0.085 U	< 0.085 U
	Styrene	µg/L	8,900	100	100	< 0.042 U	< 0.042 U
	tert-Butylbenzene	µg/L	290	--	370	< 0.11 U	< 0.11 U
	Tetrachloroethene	µg/L	5	5	5	4 J+	< 0.065 U
	Toluene	µg/L	1,500	1000	1000	< 0.07 U	< 0.07 U
	Total Trihalomethanes	µg/L	--	80[4]	--	61.2	0.87
	trans-1,2-Dichloroethene	µg/L	180	100	100	< 0.081 U	< 0.081 U
	trans-1,3-Dichloropropene	µg/L	--	--	--	< 0.23 U	< 0.23 U
	Trichloroethene	µg/L	5	5	5	0.33 J	< 0.091 U
	Trichlorofluoromethane (Freon-11)	µg/L	180	--	9890	< 0.11 U	< 0.11 U
	Vinyl acetate	µg/L	9,600	--	16200	< 0.23 U	< 0.23 U
	Vinyl chloride	µg/L	2	2	2	< 0.091 U	< 0.091 U
	Xylenes (total)	µg/L	22,000	10000	10000	< 0.22 U	< 0.22 U
Water Quality Parameters	Conductivity	umhos/cm	--	--	--	7390	5270
	Hardness	mg/L	--	--	--	2550	1850
	pH	--	--	6.5-9[5]	--	7.5	6.9
	Total Dissolved Solids	mg/L	--	500	--	**6600**	**900 J-TDS**
	Total Suspended Solids	mg/L	--	--	--	6	18

[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]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.
[4]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.
[5]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.
Bold values indicate value exceeds lowest comparison level; *italicized* values indicate detection limit exceeds lowest comparison level.

TABLE 3
SAMPLE-SPECIFIC COLLECTION DEPTHS
TIMET PONDS SUB-AREA
(Page 1 of 3)

Sample Location	Sample Type	Grading Plan[(1)]	Sample Depth 1	Sample Depth 2[(1)]	Sample Depth 3[(1)]
TMC1-AL15	Random (Berm)	Fill +1	0 (Surface)	10 (Subsurface)	--
TMC1-AL16	Random with Flux (Pond)	Cut -3	0 (Fill/Surface)	3 (Surface)	--
TMC1-AL17	Random with Flux (Pond)	Cut -6	0 (Fill/Surface)	6 (Surface)	--
TMC1-AM15	Random (Pond)	Fill +2	0 (Surface)	10 (Subsurface)	--
TMC1-AM16	Random with Flux (Berm)	Cut -10	0 (Fill/Surface)	10 (Surface)	--
TMC1-AM17	Random with Flux (Pond)	Cut -1	0 (Fill/Surface)	11 (Subsurface)	--
TMC1-AM18	Random (Pond)	Cut -6	0 (Fill/Surface)	6 (Surface)	--
TMC1-AM19	Random (Pond)	Cut -5	0 (Fill/Surface)	5 (Surface)	--
TMC1-AM20	Random with Flux (Pond)	Cut -5	0 (Fill/Surface)	5 (Surface)	--
TMC1-AM21	Random with Flux (Pond)	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
TMC1-AN15	Random (Berm)	Fill +3	0 (Surface)	10 (Subsurface)	--
TMC1-AN16	Random with Flux (Pond)	Cut -3	0 (Fill/Surface)	3 (Surface)	--
TMC1-AN17	Random (Pond)	Cut -7	0 (Fill/Surface)	7 (Surface)	--
TMC1-AN18	Random (Pond)	Cut -13	0 (Fill/Surface)	13 (Surface)	--
TMC1-AN19	Random (Pond)	Cut -11	0 (Fill/Surface)	11 (Surface)	--
TMC1-AN20	Random (Pond)	Cut -8	0 (Fill/Surface)	8 (Surface)	--
TMC1-AN21	Random (Pond)	Cut -4	0 (Fill/Surface)	4 (Surface)	--
TMC1-AN22	Random with Flux (Pond)	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
TMC1-AO15	Random (Berm)	Fill +4	0 (Surface)	10 (Subsurface)	--
TMC1-AO16	Random with Flux (Pond)	Fill +5	0 (Surface)	10 (Subsurface)	--
TMC1-AO17	Random with Flux (Pond)	Fill +1	0 (Surface)	10 (Subsurface)	--
TMC1-AO18	Random with Flux (Pond)	Fill +2	0 (Surface)	10 (Subsurface)	--
TMC1-AO19	Random with Flux (Berm)	Cut -22	0 (Fill/Surface)	22 (Surface)	--
TMC1-AO20	Random (Pond)	Cut -9	0 (Fill/Surface)	9 (Surface)	--
TMC1-AO21	Random with Flux (Berm)	Cut -1	0 (Fill/Surface)	11 (Subsurface)	--
TMC1-AO22	Random with Flux (Pond)	Cut -5	0 (Fill/Surface)	5 (Surface)	--
TMC1-AO23	Random (Pond)	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
TMC1-AO24	Random with Flux (Pond)	Cut -5	0 (Fill/Surface)	5 (Surface)	--
TMC1-AP15	Random (Berm)	Fill +2	0 (Surface)	10 (Subsurface)	--
TMC1-AP16	Random with Flux (Pond)	Fill +11	0 (Surface)	10 (Subsurface)	--
TMC1-AP17	Random with Flux (Berm)	-- 0	0 (Surface)	10 (Subsurface)	--
TMC1-AP18	Random with Flux (Pond)	Cut -20	0 (Fill/Surface)	20 (Surface)	--
TMC1-AP19	Random with Flux (Berm)	Cut -13	0 (Fill/Surface)	13 (Surface)	--
TMC1-AP20	Random with Flux (Pond)	Fill +2	0 (Surface)	10 (Subsurface)	--
TMC1-AP21	Random with Flux (Pond)	Cut -3	0 (Fill/Surface)	3 (Surface)	--
TMC1-AP22	Random with Flux (Pond)	Cut -4	0 (Fill/Surface)	4 (Surface)	--
TMC1-AP23	Random (Pond)	Cut -7	0 (Fill/Surface)	7 (Surface)	--
TMC1-AP24	Random with Flux (Pond)	Cut -3	0 (Fill/Surface)	3 (Surface)	--
TMC1-AP25	Random with Flux (Pond)	Cut -6	0 (Fill/Surface)	6 (Surface)	--
TMC1-AP26	Random with Flux (Berm)	Cut -3	0 (Fill/Surface)	3 (Surface)	--
TMC1-AQ15	Random (Berm)	Fill +4	0 (Surface)	10 (Subsurface)	--
TMC1-AQ16	Random with Flux (Pond)	Fill +2	0 (Surface)	10 (Subsurface)	--
TMC1-AQ17	Random with Flux (Pond)	Fill +3	0 (Surface)	10 (Subsurface)	--
TMC1-AQ18	Random with Flux (Berm)	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
TMC1-AQ19	Random with Flux (Pond)	Cut -16	0 (Fill/Surface)	16 (Surface)	--
TMC1-AQ20	Random (Pond)	Cut -6	0 (Fill/Surface)	6 (Surface)	--

TABLE 3
SAMPLE-SPECIFIC COLLECTION DEPTHS
TIMET PONDS SUB-AREA
(Page 2 of 3)

Sample Location	Sample Type	Grading Plan[(1)]	Sample Depth 1	Sample Depth 2[(1)]	Sample Depth 3[(1)]
TMC1-AQ21	Random with Flux (Berm)	Cut -3	0 (Fill/Surface)	3 (Surface)	--
TMC1-AQ22	Random with Flux (Pond)	Cut -5	0 (Fill/Surface)	5 (Surface)	--
TMC1-AQ23	Random with Flux (Pond)	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
TMC1-AQ24	Random with Flux (Pond)	Cut -7	0 (Fill/Surface)	7 (Surface)	--
TMC1-AQ25	Random (Pond)	Cut -5	0 (Fill/Surface)	5 (Surface)	--
TMC1-AQ26	Random with Flux (Pond)	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
TMC1-AQ27	Random (Pond)	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
TMC1-AR15	Random (Berm)	Cut -5	0 (Fill/Surface)	5 (Surface)	--
TMC1-AR16	Random (Pond)	Cut -3	0 (Fill/Surface)	3 (Surface)	--
TMC1-AR17	Random (Pond)	Cut -10	0 (Fill/Surface)	10 (Surface)	--
TMC1-AR18	Random with Flux (Pond)	Cut -12	0 (Fill/Surface)	12 (Surface)	--
TMC1-AR19	Random (Pond)	Cut -16	0 (Fill/Surface)	16 (Surface)	--
TMC1-AR20	Random with Flux (Pond)	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
TMC1-AR21	Random with Flux (Pond)	Cut -3	0 (Fill/Surface)	3 (Surface)	--
TMC1-AR24	Random with Flux (Pond)	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
TMC1-AR25	Random with Flux (Pond)	Cut -5	0 (Fill/Surface)	5 (Surface)	--
TMC1-AR26	Random (Pond)	Cut -3	0 (Fill/Surface)	3 (Surface)	--
TMC1-AS18	Random with Flux (Pond)	Cut -14	0 (Fill/Surface)	14 (Surface)	--
TMC1-AS19	Random (Pond)	Cut -15	0 (Fill/Surface)	15 (Surface)	--
TMC1-AS20	Random (Pond)	Cut -10	0 (Fill/Surface)	10 (Surface)	--
TMC1-AS25	Random with Flux (Pond)	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
TMC1-AS26	Random (Pond)	Cut -4	0 (Fill/Surface)	4 (Surface)	--
TMC1-JB01	Biased (Pond)	Cut -9	0 (Fill/Surface)	9 (Surface)	--
TMC1-JB02	Biased with Flux (Berm)	Cut -18	0 (Fill/Surface)	18 (Surface)	--
TMC1-JB03	Biased with Flux (Pond)	Cut -11	0 (Fill/Surface)	11 (Surface)	--
TMC1-JB04	Biased with Flux (Berm)	Cut -9	0 (Fill/Surface)	9 (Surface)	--
TMC1-JB05	Biased with Flux (Berm)	Cut -18	0 (Fill/Surface)	18 (Surface)	--
TMC1-JB06	Biased with Flux (Berm)	Cut -17	0 (Fill/Surface)	17 (Surface)	--
TMC1-JB07	Biased with Flux (Berm)	Cut -13	0 (Fill/Surface)	13 (Surface)	--
TMC1-JB08	Biased with Flux (Berm)	-- 0	0 (Surface)	10 (Subsurface)	--
TMC1-JB09	Biased with Flux (Berm)	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
TMC1-JB10	Biased with Flux (Pond)	Cut -9	0 (Fill/Surface)	9 (Surface)	--
TMC1-JB11	Biased with Flux (Berm)	Cut -9	0 (Fill/Surface)	9 (Surface)	--
TMC1-JB12	Biased with Flux (Berm)	Cut -8	0 (Fill/Surface)	8 (Surface)	--
TMC1-JB13	Biased with Flux (Pond)	Cut -10	0 (Fill/Surface)	10 (Surface)	--
TMC1-JB14	Biased with Flux (Berm)	Cut -8	0 (Fill/Surface)	8 (Surface)	--
TMC1-JB15	Biased with Flux (Berm)	Cut -3	0 (Fill/Surface)	3 (Surface)	--
TMC1-JB16	Biased with Flux (Pond)	Cut -6	0 (Fill/Surface)	6 (Surface)	--
TMC1-JB17	Biased (Berm)	Cut -1	0 (Fill/Surface)	11 (Subsurface)	--
TMC1-JB18	Biased with Flux (Pond)	Cut -10	0 (Fill/Surface)	10 (Surface)	--
TMC1-JB19	Biased with Flux (Pond)	Cut -14	0 (Fill/Surface)	14 (Surface)	--
TMC1-JB20	Biased with Flux (Pond)	Cut -11	0 (Fill/Surface)	11 (Surface)	--
TMC1-JB21	Biased with Flux (Pond)	Cut -3	0 (Fill/Surface)	3 (Surface)	--
TMC1-JB22	Biased with Flux (Pond)	Cut -3	0 (Fill/Surface)	3 (Surface)	--
TMC1-JB23	Biased with Flux (Pond)	Cut -3	0 (Fill/Surface)	3 (Surface)	--
TMC1-JB24	Biased with Flux (Berm)	Cut -7	0 (Fill/Surface)	7 (Surface)	--

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

Sample Location	Sample Type	Grading Plan[(1)]	Sample Depth 1	Sample Depth 2[(1)]	Sample Depth 3[(1)]
TMC1-JD01	Ditch	Cut -1	0 (Fill/Surface)	11 (Subsurface)	--
TMC1-JD02	Ditch with Flux	-- 0	0 (Surface)	10 (Subsurface)	--
TMC1-JD03	Ditch	Fill +1	0 (Surface)	10 (Subsurface)	--
TMC1-JD04	Ditch with Flux	Fill +1	0 (Surface)	10 (Subsurface)	--
TMC1-JD05	Ditch	Fill +2	0 (Surface)	10 (Subsurface)	--
TMC1-JD06	Ditch with Flux	-- 0	0 (Surface)	10 (Subsurface)	--
TMC1-JD07	Ditch	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
TMC1-JD08	Ditch with Flux	Fill +3	0 (Surface)	10 (Subsurface)	--
TMC1-JD09	Ditch	Fill +5	0 (Surface)	10 (Subsurface)	--
TMC1-JD10	Ditch with Flux	Fill +5	0 (Surface)	10 (Subsurface)	--
TMC1-JD11	Ditch	Fill +6	0 (Surface)	10 (Subsurface)	--
TMC1-JD12	Ditch with Flux	Fill +6	0 (Surface)	10 (Subsurface)	--
TMC1-JD13	Ditch with Flux	Fill +10	0 (Surface)	10 (Subsurface)	--
TMC1-JD14	Ditch	Cut -5	0 (Fill/Surface)	5 (Surface)	--
TMC1-JD15	Ditch	Cut -2	0 (Fill/Surface)	12 (Subsurface)	--
TMC1-JD16	Ditch with Flux	Cut -6	0 (Fill/Surface)	6 (Surface)	--
TMC1-JD17	Ditch	Cut -7	0 (Fill/Surface)	7 (Surface)	--
TMC1-JD18	Ditch	Cut -7	0 (Fill/Surface)	7 (Surface)	--
TMC1-JD19	Ditch with Flux	Cut -6	0 (Fill/Surface)	6 (Surface)	--
TMC1-JD20	Ditch	Cut -6	0 (Fill/Surface)	6 (Surface)	--

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.

[(1)]The cut/fill depths are based on the difference between the original, pre-remediation grade and the proposed development plan grade. However, extensive mass grading has occurred during the current, ongoing, remediation of this sub-area. Therefore, sample depths will be revised based on the difference between the final remediation grade and the proposed development plan grade, when the final remediation grade becomes available. This table will be revised accordingly.

Yellow shaded locations (TMC1-AQ25, TMC1-AR19, and TMC1-JB01) indicates deep soil samples will be collected for physical parameter analyses.

Green shaded locations (TMC1-AN20, TMC1-AQ27, and TMC1-AR17) indicates subsurface soil samples will also include synthetic precipitation leaching procedure (SPLP) sampling and analysis.

Depths are in feet bgs (current grade).

TABLE 4
SITE-RELATED CHEMICALS LIST AND PROPOSED SAMPLE ANALYSES AND DEPTHS
TIMET 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 4
SITE-RELATED CHEMICALS LIST AND PROPOSED SAMPLE ANALYSES AND DEPTHS
TIMET 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 4
SITE-RELATED CHEMICALS LIST AND PROPOSED SAMPLE ANALYSES AND DEPTHS
TIMET 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 4
SITE-RELATED CHEMICALS LIST AND PROPOSED SAMPLE ANALYSES AND DEPTHS
TIMET 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 4
SITE-RELATED CHEMICALS LIST AND PROPOSED SAMPLE ANALYSES AND DEPTHS
TIMET 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 4
SITE-RELATED CHEMICALS LIST AND PROPOSED SAMPLE ANALYSES AND DEPTHS
TIMET 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 4
SITE-RELATED CHEMICALS LIST AND PROPOSED SAMPLE ANALYSES AND DEPTHS
TIMET 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 4
SITE-RELATED CHEMICALS LIST AND PROPOSED SAMPLE ANALYSES AND DEPTHS
TIMET 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 4
SITE-RELATED CHEMICALS LIST AND PROPOSED SAMPLE ANALYSES AND DEPTHS
TIMET 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 4
SITE-RELATED CHEMICALS LIST AND PROPOSED SAMPLE ANALYSES AND DEPTHS
TIMET 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 4
SITE-RELATED CHEMICALS LIST AND PROPOSED SAMPLE ANALYSES AND DEPTHS
TIMET 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 4
SITE-RELATED CHEMICALS LIST AND PROPOSED SAMPLE ANALYSES AND DEPTHS
TIMET 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 3).
h - Rationale provided in text for analyte list for synthetic precipitation leaching procedure (SPLP); from three subsurface sample locations (see Table 3).
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.
[4]Method 3540 for extraction and Method 3640 for cleanup are to be used as appropriate.

TABLE 5
PROPOSED SOIL VAPOR FLUX SAMPLE ANALYSES
TIMET PONDS SUB-AREA
(Page 1 of 3)

Compound	CAS Number	MDL ppbv	RL ppbv	MDL $\mu g/m^3$	RL $\mu g/m^3$
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 5
PROPOSED SOIL VAPOR FLUX SAMPLE ANALYSES
TIMET PONDS SUB-AREA

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 5
PROPOSED SOIL VAPOR FLUX SAMPLE ANALYSES
TIMET 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

This is a placeholder for Appendix A.

APPENDIX B

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

TABLE B-1
SOIL METALS DATA
TIMET PONDS SUB-AREA
(Page 1 of 9)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Metals												
					Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium (Total)	Chromium (VI)	Cobalt	Copper	Iron
ADB-02	1a	0	N	4/18/1996	--	--	< 6.1 UJ	210	--	--	--	--	< 20 U	--	--	--	--
ADB-02	1a	5	N	4/18/1996	--	--	< 6.4 UJ	200	--	--	--	--	< 21 U	--	--	--	--
ADB-03	1a	0	N	4/18/1996	--	--	< 6.2 UJ	250	--	--	--	--	< 21 U	--	--	--	--
ADB-03	1a	5	N	4/18/1996	--	--	7.6 J-	250	--	--	--	--	< 21 U	--	--	--	--
HP-2	9	0	N	2/4/2000	--	--	12	2500	--	--	< 0.5 U	14000	110	0.056	--	--	16000
HP-2	9	5	N	2/4/2000	--	--	9	820	--	--	< 0.5 U	33000	52	0.014	--	--	21000
HP-2	9	10	N	2/4/2000	--	--	< 5 U	310	--	--	< 0.5 U	54000	20	0.021	--	--	19000
HP-2	9	20	N	2/4/2000	--	--	5.6	400	--	--	< 0.5 U	41000	26	0.019	--	--	18000
HP-2	9	35	N	2/4/2000	--	--	8.9	340	--	--	< 0.5 U	23000	20	0.02	--	--	19000
HP-2	9	50	N	2/4/2000	--	--	28	17	--	--	< 0.5 U	120000	14	0.016	--	--	6100
HP-2	9	55	N	2/4/2000	--	--	31	19	--	--	< 0.5 U	58000	22	0.017	--	--	9400
HP-3	9	5	N	2/4/2000	--	--	37	5300	--	--	0.54	30000	180	0.041	--	--	23000
HP-3	9	10	N	2/4/2000	--	--	< 5 U	2100	--	--	< 0.5 U	36000	65	0.027	--	--	17000
HP-3	9	20	N	2/4/2000	--	--	14	2300	--	--	< 0.5 U	23000	72	0.022	--	--	18000
HP-3	9	35	N	2/4/2000	--	--	< 5 U	290	--	--	< 0.5 U	18000	12	< 0.01 U	--	--	11000
HP-3	9	50	N	2/4/2000	--	--	14	140	--	--	< 0.5 U	4300	20	< 0.01 U	--	--	10000
HP-3	9	60	N	2/4/2000	--	--	12	120	--	--	< 0.5 U	22000	18	0.012	--	--	11000
HP-5	9	0	N	2/4/2000	--	--	5.6	730	--	--	< 0.5 U	18000	24	0.01	--	--	16000
HP-5	9	5	N	2/3/2000	--	--	< 5 U	310	--	--	< 0.5 U	16000	18	< 0.01 U	--	--	20000
HP-5	9	10	N	2/3/2000	--	--	< 5 U	280	--	--	< 0.5 U	20000	15	< 0.01 U	--	--	15000
HP-5	9	20	N	2/3/2000	--	--	< 5 U	350	--	--	< 0.5 U	22000	16	< 0.01 U	--	--	17000
HP-5	9	35	N	2/3/2000	--	--	< 5 U	280	--	--	< 0.5 U	36000	23	0.02	--	--	15000
HP-5	9	50	N	2/3/2000	--	--	< 5 U	21	--	--	< 0.5 U	9100	19	< 0.01 U	--	--	10000
HP-5	9	60	N	2/3/2000	--	--	9.9	68	--	--	< 0.5 U	17000	19	< 0.01 U	--	--	8500
OPW-6	9	0	N	2/4/2000	--	--	< 5 U	670	--	--	< 0.5 U	19200	86	0.027	--	--	22000
OPW-6	9	5	N	2/1/2000	--	--	6	240	--	--	< 0.5 U	26000	14	< 0.01 U	--	--	20000
OPW-6	9	10	N	2/1/2000	--	--	8.5	270	--	--	< 0.5 U	27000	15	< 0.01 U	--	--	21000
OPW-6	9	20	N	2/1/2000	--	--	7.4	220	--	--	< 0.5 U	21000	16	< 0.01 U	--	--	19000
OPW-6	9	35	N	2/1/2000	--	--	8.8	340	--	--	< 0.5 U	21000	15	< 0.01 U	--	--	17000
OPW-6	9	52	N	2/1/2000	--	--	10	370	--	--	< 0.5 U	13000	16	< 0.01 U	--	--	14000
SB-09-B	27	0	N	6/6/2004	10800	< 1.1 U	4	208	0.61	5.8	< 0.53 U	23800	9.7	< 0.42 U	8.5	20.1	16400
SB-09-B	27	7	N	6/6/2004	11300	< 1.1 U	4	259	0.66	6.3	< 0.53 U	19600	10.7	< 0.42 UJ-	9	18	18000
SB-09-B	27	17	N	6/6/2004	9320	< 1.1 U	4.2	183	0.5 J	4.7 J	< 0.55 U	29700	7.1	< 0.44 U	7.9	25	13600
SB-09-B	27	27	N	6/6/2004	10200	< 1.1 U	4.4	207	0.54	6	< 0.53 U	23900	9.3	< 0.42 U	8.8	23.7	15100
SB-09-B	27	47	N	6/6/2004	17300	< 1.5 U	19.1	122	1.1	31.3	< 0.73 U	9890	21.6	< 0.58 U	7	22.1	14700
SB-09-B	27	57	N	6/6/2004	17600	< 1.5 U	15.5	88.9	0.85	32.6	< 0.77 U	21900	25.8	< 0.62 U	5.6	44.3	13000
SB-09-B	27	97	N	6/6/2004	15500	< 1.5 U	12.6	183	0.97	29.7	< 0.73 U	40600	63.7	< 0.59 U	6.1	24.9	12900

TABLE B-1
SOIL METALS DATA
TIMET 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)	Cobalt	Copper	Iron
SB-09-B	27	117	N	6/6/2004	11200	< 1.6 U	48.2	128	0.57 J	23.4	< 0.79 U	115000	13.7	< 0.63 U	3.7	13.9	8690
SW-10	9	0	N	2/4/2000	--	--	80	1900	--	--	1.3	20000	101	0.07	--	--	29000
SW-10	9	5	N	2/2/2000	--	--	11	220	--	--	< 0.5 U	43000	15	< 0.01 U	--	--	21000
SW-10	9	10	N	2/2/2000	--	--	11	220	--	--	< 0.5 U	35000	13	< 0.01 U	--	--	18000
SW-10	9	20	N	2/2/2000	--	--	11	260	--	--	< 0.5 U	31000	18	< 0.01 U	--	--	16000
SW-10	9	35	N	2/2/2000	--	--	12	390	--	--	< 0.5 U	21000	19	< 0.01 U	--	--	14000
SW-10	9	50	N	2/2/2000	--	--	8.6	170	--	--	< 0.5 U	52000	19	< 0.01 U	--	--	8800
SW-10	9	60	N	2/2/2000	--	--	8.8	190	--	--	< 0.5 U	40000	15	< 0.01 U	--	--	9200
SW-11/HP-5	9	0	N	2/4/2000	--	--	71	6400	--	--	0.79	16000	290	0.19	--	--	20000
SW-11/HP-5	9	5	N	2/1/2000	--	--	42	2500	--	--	< 0.5 U	16000	87	0.064	--	--	20000
SW-11/HP-5	9	10	N	2/1/2000	--	--	8.8	340	--	--	< 0.5 U	28000	11	< 0.01 U	--	--	13000
SW-11/HP-5	9	20	N	2/1/2000	--	--	8.8	340	--	--	< 0.5 U	11000	9.8	< 0.01 U	--	--	11000
SW-11/HP-5	9	35	N	2/1/2000	--	--	14	800	--	--	< 0.5 U	24000	31	< 0.01 U	--	--	15000
SW-11/HP-5	9	50	N	2/1/2000	--	--	10	240	--	--	< 0.5 U	8600	12	< 0.01 U	--	--	10000
SW-11/HP-5	9	60	N	2/1/2000	--	--	13	250	--	--	< 0.5 U	25000	20	< 0.01 U	--	--	9900
SW-3	9	0	N	2/4/2000	--	--	< 5 U	270	--	--	< 0.5 U	20000	20	< 0.01 U	--	--	17000
SW-3	9	5	N	2/2/2000	--	--	< 5 U	260	--	--	< 0.5 U	36000	14	< 0.01 U	--	--	18000
SW-3	9	10	N	2/2/2000	--	--	< 5 U	190	--	--	< 0.5 U	29000	13	< 0.01 U	--	--	16000
SW-3	9	20	N	2/2/2000	--	--	< 5 U	260	--	--	< 0.5 U	24000	9	< 0.01 U	--	--	14000
SW-3	9	35	N	2/2/2000	--	--	< 5 U	240	--	--	< 0.5 U	25000	9.5	< 0.01 U	--	--	14000
SW-3	9	47	N	2/2/2000	--	--	< 5 U	170	--	--	< 0.5 U	26000	13	< 0.01 U	--	--	18000
SW-4	9	0	N	2/4/2000	--	--	< 5 U	240	--	--	< 0.5 U	21000	10	< 0.01 U	--	--	15000
SW-4	9	5	N	2/3/2000	--	--	< 5 U	210	--	--	< 0.5 U	28000	21	< 0.01 U	--	--	21000
SW-4	9	10	N	2/3/2000	--	--	< 5 U	210	--	--	< 0.5 U	29000	16	< 0.01 U	--	--	18000
SW-4	9	20	N	2/3/2000	--	--	< 5 U	260	--	--	< 0.5 U	27000	17	0.02	--	--	19000
SW-4	9	30	N	2/3/2000	--	--	< 5 U	130	--	--	< 0.5 U	25000	18	0.01	< 0.01 U	--	18000
SW-5	9	0	N	2/4/2000	--	--	< 5 U	250	--	--	< 0.5 U	31000	23	< 0.01 U	--	--	19000
SW-5	9	5	N	2/1/2000	--	--	9.2	240	--	--	< 0.5 U	16000	45	< 0.01 U	--	--	25000
SW-5	9	10	N	2/1/2000	--	--	5.2	220	--	--	< 0.5 U	36000	14	< 0.01 U	--	--	19000
SW-5	9	20	N	2/1/2000	--	--	6.8	250	--	--	< 0.5 U	30000	16	< 0.01 U	--	--	19000
SW-5	9	35	N	2/1/2000	--	--	9.1	210	--	--	< 0.5 U	20000	15	< 0.01 U	--	--	20000
SW-5	9	50	N	2/1/2000	--	--	8.9	140	--	--	< 0.5 U	21000	15	< 0.01 U	--	--	19000
SW-7	9	0	N	2/4/2000	--	--	< 5 U	260	--	--	< 0.5 U	26000	17	< 0.01 U	--	--	19000
SW-7	9	5	N	2/1/2000	--	--	9.1	240	--	--	< 0.5 U	27000	16	< 0.01 U	--	--	16000
SW-7	9	10	N	2/1/2000	--	--	10	240	--	--	< 0.5 U	20000	16	< 0.01 U	--	--	19000
SW-7	9	20	N	2/1/2000	--	--	< 5 U	210	--	--	< 0.5 U	32000	13	< 0.01 U	--	--	16000
SW-7	9	33	N	2/1/2000	--	--	12	83	--	--	< 0.5 U	41000	14	< 0.01 U	--	--	11000

TABLE B-1
SOIL METALS DATA
TIMET 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)	Cobalt	Copper	Iron
SW-8	9	0	N	2/4/2000	--	--	< 5 U	260	--	--	< 0.5 U	27000	17	< 0.01 U	--	--	20000
SW-8	9	5	N	2/2/2000	--	--	9.3	270	--	--	< 0.5 U	40000	14	< 0.01 U	--	--	17000
SW-8	9	10	N	2/2/2000	--	--	12	260	--	--	< 0.5 U	28000	16	< 0.01 U	--	--	18000
SW-8	9	20	N	2/2/2000	--	--	12	170	--	--	< 0.5 U	28000	15	< 0.01 U	--	--	19000
SW-8	9	35	N	2/2/2000	--	--	11	83	--	--	< 0.5 U	23000	15	< 0.01 U	--	--	17000

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-1
SOIL METALS DATA
TIMET PONDS SUB-AREA
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Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Metals												
					Lead	Lithium	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Niobium	Palladium	Phosphorus	Platinum	Potassium	Selenium
ADB-02	1a	0	N	4/18/1996	21	--	--	--	< 0.089 U	--	--	--	--	--	--	--	6.8
ADB-02	1a	5	N	4/18/1996	6	--	--	--	< 0.11 U	--	--	--	--	--	--	--	< 6.4 U
ADB-03	1a	0	N	4/18/1996	9.8	--	--	--	< 0.11 U	--	--	--	--	--	--	--	< 6.2 U
ADB-03	1a	5	N	4/18/1996	9.2	--	--	--	< 0.11 U	--	--	--	--	--	--	--	< 6.3 U
HP-2	9	0	N	2/4/2000	350	--	10000	1200	< 0.1 U	--	--	--	--	--	--	--	< 5 U
HP-2	9	5	N	2/4/2000	120	--	10000	790	< 0.1 U	--	--	--	--	--	--	--	< 5 U
HP-2	9	10	N	2/4/2000	9.7	--	11000	430	< 0.1 U	--	--	--	--	--	--	--	< 5 U
HP-2	9	20	N	2/4/2000	35	--	10000	440	< 0.1 U	--	--	--	--	--	--	--	< 5 U
HP-2	9	35	N	2/4/2000	7.5	--	8800	490	< 0.1 U	--	--	--	--	--	--	--	< 5 U
HP-2	9	50	N	2/4/2000	< 2.5 U	--	20000	66	< 0.1 U	--	--	--	--	--	--	--	< 5 U
HP-2	9	55	N	2/4/2000	3.7	--	21000	150	< 0.1 U	--	--	--	--	--	--	--	< 5 U
HP-3	9	5	N	2/4/2000	940	--	9800	1300	< 0.1 U	--	--	--	--	--	--	--	< 5 U
HP-3	9	10	N	2/4/2000	290	--	8600	860	< 0.1 U	--	--	--	--	--	--	--	< 5 U
HP-3	9	20	N	2/4/2000	310	--	9000	800	< 0.1 U	--	--	--	--	--	--	--	< 5 U
HP-3	9	35	N	2/4/2000	11	--	4900	320	< 0.1 U	--	--	--	--	--	--	--	< 5 U
HP-3	9	50	N	2/4/2000	3.2	--	24000	170	< 0.1 U	--	--	--	--	--	--	--	< 5 U
HP-3	9	60	N	2/4/2000	5.2	--	34000	280	< 0.1 U	--	--	--	--	--	--	--	< 5 U
HP-5	9	0	N	2/4/2000	81	--	12000	790	< 0.1 U	--	--	--	--	--	--	--	< 5 U
HP-5	9	5	N	2/3/2000	10	--	7900	530	< 0.1 U	--	--	--	--	--	--	--	< 5 U
HP-5	9	10	N	2/3/2000	6.3	--	8700	330	< 0.1 U	--	--	--	--	--	--	--	< 5 U
HP-5	9	20	N	2/3/2000	6	--	8800	370	< 0.1 U	--	--	--	--	--	--	--	< 5 U
HP-5	9	35	N	2/3/2000	9.9	--	20000	360	< 0.1 U	< 0.01 U	--	--	--	--	--	--	< 5 U
HP-5	9	50	N	2/3/2000	< 2.5 U	--	49000	210	< 0.1 U	--	--	--	--	--	--	--	< 5 U
HP-5	9	60	N	2/3/2000	< 2.5 U	--	39000	180	< 0.1 U	--	--	--	--	--	--	--	< 5 U
OPW-6	9	0	N	2/4/2000	88	--	11000	680	< 0.1 U	--	--	--	--	--	--	--	< 5 U
OPW-6	9	5	N	2/1/2000	8.3	--	11000	580	< 0.1 U	--	--	--	--	--	--	--	< 5 U
OPW-6	9	10	N	2/1/2000	9.1	--	11000	500	< 0.1 U	--	--	--	--	--	--	--	< 5 U
OPW-6	9	20	N	2/1/2000	8.1	--	10000	460	< 0.1 U	--	--	--	--	--	--	--	< 5 U
OPW-6	9	35	N	2/1/2000	9.1	--	9000	420	< 0.1 U	--	--	--	--	--	--	--	< 5 U
OPW-6	9	52	N	2/1/2000	8.8	--	6000	280	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SB-09-B	27	0	N	6/6/2004	10.6	13.8	10800	454	< 0.035 U	0.71 J	16.7	< 5.3 U	0.78	1780	< 0.11 U	2260	< 0.53 U
SB-09-B	27	7	N	6/6/2004	9.2	13.9	11100	489	< 0.035 U	0.43 J	15	< 5.3 U	0.76	1550	< 0.11 U	1710	< 0.53 U
SB-09-B	27	17	N	6/6/2004	6.5	14.2	9410	358	< 0.037 U	0.32 J	13.2	< 5.5 U	0.73	1430	< 0.11 U	1100	< 0.55 U
SB-09-B	27	27	N	6/6/2004	7.6	15.1	10800	447	< 0.035 U	0.51 J	12.8	< 5.3 U	0.82	1530	< 0.11 U	1110	< 0.53 U
SB-09-B	27	47	N	6/6/2004	9	119	43900	261	< 0.049 U	0.91 J	17.2	< 7.3 U	0.46 J	734	< 0.15 U	5240	< 0.73 U
SB-09-B	27	57	N	6/6/2004	16.4	153	54400	233	< 0.052 U	1.4 J	19.3	< 7.7 U	0.44 J	642	< 0.15 U	5590	< 0.77 U
SB-09-B	27	97	N	6/6/2004	9	158	57400	331	< 0.049 U	1.4 J	15.8	< 7.3 U	0.61 J	609	< 0.15 U	5220	0.31 J

TABLE B-1
SOIL METALS DATA
TIMET PONDS SUB-AREA
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Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Metals												
					Lead	Lithium	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Niobium	Palladium	Phosphorus	Platinum	Potassium	Selenium
SB-09-B	27	117	N	6/6/2004	4.4	206	95800	264	< 0.052 U	30.4	12.4	< 7.9 U	0.49 J	398	< 0.16 U	4200	1
SW-10	9	0	N	2/4/2000	1100	--	17000	5600	0.25	--	--	--	--	--	--	--	< 5 U
SW-10	9	5	N	2/2/2000	8.2	--	15000	410	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-10	9	10	N	2/2/2000	8.8	--	9500	410	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-10	9	20	N	2/2/2000	15	--	9500	410	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-10	9	35	N	2/2/2000	9.6	--	6900	360	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-10	9	50	N	2/2/2000	3.7	--	43000	260	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-10	9	60	N	2/2/2000	4.2	--	46000	240	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-11/HP-5	9	0	N	2/4/2000	1400	--	13000	3200	0.11	--	--	--	--	--	--	--	< 5 U
SW-11/HP-5	9	5	N	2/1/2000	480	--	11000	1800	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-11/HP-5	9	10	N	2/1/2000	16	--	7400	410	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-11/HP-5	9	20	N	2/1/2000	10	--	6600	360	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-11/HP-5	9	35	N	2/1/2000	93	--	7800	490	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-11/HP-5	9	50	N	2/1/2000	6.9	--	6600	210	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-11/HP-5	9	60	N	2/1/2000	7	--	20000	270	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-3	9	0	N	2/4/2000	23	--	11000	730	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-3	9	5	N	2/2/2000	6.6	--	12000	410	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-3	9	10	N	2/2/2000	6.8	--	11000	380	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-3	9	20	N	2/2/2000	6.8	--	9400	380	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-3	9	35	N	2/2/2000	7.8	--	11000	440	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-3	9	47	N	2/2/2000	7.5	--	10000	400	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-4	9	0	N	2/4/2000	9.4	--	11000	520	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-4	9	5	N	2/3/2000	6.7	--	11000	580	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-4	9	10	N	2/3/2000	4.2	--	9500	380	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-4	9	20	N	2/3/2000	5.2	--	11000	450	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-4	9	30	N	2/3/2000	4	--	9000	370	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-5	9	0	N	2/4/2000	11	--	15000	560	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-5	9	5	N	2/1/2000	13	--	11000	1200	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-5	9	10	N	2/1/2000	7.4	--	11000	440	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-5	9	20	N	2/1/2000	7.7	--	12000	390	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-5	9	35	N	2/1/2000	8.9	--	11000	460	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-5	9	50	N	2/1/2000	7.1	--	9100	370	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-7	9	0	N	2/4/2000	12	--	12000	530	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-7	9	5	N	2/1/2000	27	--	12000	440	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-7	9	10	N	2/1/2000	7.8	--	10000	400	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-7	9	20	N	2/1/2000	7.3	--	12000	410	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-7	9	33	N	2/1/2000	4.2	--	25000	210	< 0.1 U	--	--	--	--	--	--	--	< 5 U

TABLE B-1
SOIL METALS DATA
TIMET PONDS SUB-AREA
(Page 6 of 9)

					Metals												
Sample ID	**Dataset**	**Depth (ft bgs)**	**Sample Type**	**Sample Date**	Lead	Lithium	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Niobium	Palladium	Phosphorus	Platinum	Potassium	Selenium
SW-8	9	0	N	2/4/2000	9.2	--	12000	440	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-8	9	5	N	2/2/2000	7.2	--	12000	370	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-8	9	10	N	2/2/2000	7.7	--	12000	390	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-8	9	20	N	2/2/2000	7.8	--	11000	420	< 0.1 U	--	--	--	--	--	--	--	< 5 U
SW-8	9	35	N	2/2/2000	6.7	--	9200	290	< 0.1 U	--	--	--	--	--	--	--	< 5 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-1
SOIL METALS DATA
TIMET PONDS SUB-AREA
(Page 7 of 9)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Metals											
					Silicon	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Tungsten	Uranium	Vanadium	Zinc	Zirconium
ADB-02	1a	0	N	4/18/1996	--	2.9	--	--	--	--	--	--	--	56	--	--
ADB-02	1a	5	N	4/18/1996	--	< 2.1 U	--	--	--	--	--	--	--	41	--	--
ADB-03	1a	0	N	4/18/1996	--	2.6	--	--	--	--	--	--	--	51	--	--
ADB-03	1a	5	N	4/18/1996	--	< 2.1 U	--	--	--	--	--	--	--	53	--	--
HP-2	9	0	N	2/4/2000	--	< 1 U	390	--	--	--	--	--	--	180	--	--
HP-2	9	5	N	2/4/2000	--	< 1 U	580	--	--	--	--	--	--	120	--	--
HP-2	9	10	N	2/4/2000	--	< 1 U	750	--	--	--	--	--	--	64	--	--
HP-2	9	20	N	2/4/2000	--	< 1 U	990	--	--	--	--	--	--	67	--	--
HP-2	9	35	N	2/4/2000	--	< 1 U	750	--	--	--	--	--	--	62	--	--
HP-2	9	50	N	2/4/2000	--	< 1 U	620	--	--	--	--	--	--	25	--	--
HP-2	9	55	N	2/4/2000	--	< 1 U	630	--	--	--	--	--	--	25	--	--
HP-3	9	5	N	2/4/2000	--	< 1 U	700	--	--	--	--	--	--	440	--	--
HP-3	9	10	N	2/4/2000	--	< 1 U	530	--	--	--	--	--	--	530	--	--
HP-3	9	20	N	2/4/2000	--	< 1 U	480	--	--	--	--	--	--	170	--	--
HP-3	9	35	N	2/4/2000	--	< 1 U	1400	--	--	--	--	--	--	33	--	--
HP-3	9	50	N	2/4/2000	--	< 1 U	680	--	--	--	--	--	--	27	--	--
HP-3	9	60	N	2/4/2000	--	< 1 U	580	--	--	--	--	--	--	29	--	--
HP-5	9	0	N	2/4/2000	--	< 1 U	590	--	--	--	--	--	--	61	--	--
HP-5	9	5	N	2/3/2000	--	< 1 U	700	--	--	--	--	--	--	59	--	--
HP-5	9	10	N	2/3/2000	--	< 1 U	590	--	--	--	--	--	--	45	--	--
HP-5	9	20	N	2/3/2000	--	< 1 U	970	--	--	--	--	--	--	50	--	--
HP-5	9	35	N	2/3/2000	--	< 1 U	970	--	--	--	--	--	--	46	--	--
HP-5	9	50	N	2/3/2000	--	< 1 U	1400	--	--	--	--	--	--	24	--	--
HP-5	9	60	N	2/3/2000	--	< 1 U	1300	--	--	--	--	--	--	21	--	--
OPW-6	9	0	N	2/4/2000	--	< 1 U	550	--	--	--	--	--	--	250	--	--
OPW-6	9	5	N	2/1/2000	--	< 1 U	430	--	--	--	--	--	--	57	--	--
OPW-6	9	10	N	2/1/2000	--	< 1 U	1100	--	--	--	--	--	--	61	--	--
OPW-6	9	20	N	2/1/2000	--	< 1 U	840	--	--	--	--	--	--	54	--	--
OPW-6	9	35	N	2/1/2000	--	< 1 U	890	--	--	--	--	--	--	47	--	--
OPW-6	9	52	N	2/1/2000	--	< 1 U	990	--	--	--	--	--	--	40	--	--
SB-09-B	27	0	N	6/6/2004	672	< 1.1 U	1050	313	< 1.1 U	0.47 J	677	0.32 J	0.95 J	35.9	49.4	13.9
SB-09-B	27	7	N	6/6/2004	436	0.045	1060	381	< 1.1 U	0.52 J	664	0.27 J	1.2	39.5	51.7	15.9
SB-09-B	27	17	N	6/6/2004	905	< 1.1 U	946	291	< 1.1 U	0.52 J	519	0.29 J	1.5	35.6	60.6	11
SB-09-B	27	27	N	6/6/2004	966	< 1.1 U	887	331	< 1.1 U	0.41 J	485	0.46 J	1.5	37.8	63.4	13.4
SB-09-B	27	47	N	6/6/2004	765	0.12	2020	141	< 1.5 U	0.96 J	591	0.43 J	4.9	39.3	123	29.2
SB-09-B	27	57	N	6/6/2004	488	0.16	1230	178	< 1.5 U	0.68 J	626	0.27 J	5.9	42.3	113	30.8
SB-09-B	27	97	N	6/6/2004	732	0.15	1170	280	< 1.5 U	0.63 J	577	0.19 J	19.5	279	87.8	25.3

TABLE B-1
SOIL METALS DATA
TIMET PONDS SUB-AREA
(Page 8 of 9)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Metals											
					Silicon	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Tungsten	Uranium	Vanadium	Zinc	Zirconium
SB-09-B	27	117	N	6/6/2004	528	0.15	1480	280	< 1.6 U	0.54 J	450	< 0.79 U	10	21.7	43.8	23.1
SW-10	9	0	N	2/4/2000	--	< 1 U	470	--	--	--	--	--	--	190	--	--
SW-10	9	5	N	2/2/2000	--	< 1 U	750	--	--	--	--	--	--	53	--	--
SW-10	9	10	N	2/2/2000	--	< 1 U	760	--	--	--	--	--	--	51	--	--
SW-10	9	20	N	2/2/2000	--	< 1 U	770	--	--	--	--	--	--	47	--	--
SW-10	9	35	N	2/2/2000	--	< 1 U	910	--	--	--	--	--	--	37	--	--
SW-10	9	50	N	2/2/2000	--	< 1 U	770	--	--	--	--	--	--	27	--	--
SW-10	9	60	N	2/2/2000	--	< 1 U	700	--	--	--	--	--	--	26	--	--
SW-11/HP-5	9	0	N	2/4/2000	--	< 1 U	840	--	--	--	--	--	--	610	--	--
SW-11/HP-5	9	5	N	2/1/2000	--	< 1 U	770	--	--	--	--	--	--	180	--	--
SW-11/HP-5	9	10	N	2/1/2000	--	< 1 U	660	--	--	--	--	--	--	38	--	--
SW-11/HP-5	9	20	N	2/1/2000	--	< 1 U	850	--	--	--	--	--	--	30	--	--
SW-11/HP-5	9	35	N	2/1/2000	--	< 1 U	950	--	--	--	--	--	--	68	--	--
SW-11/HP-5	9	50	N	2/1/2000	--	< 1 U	1200	--	--	--	--	--	--	27	--	--
SW-11/HP-5	9	60	N	2/1/2000	--	< 1 U	970	--	--	--	--	--	--	27	--	--
SW-3	9	0	N	2/4/2000	--	< 1 U	560	--	--	--	--	--	--	61	--	--
SW-3	9	5	N	2/2/2000	--	< 1 U	930	--	--	--	--	--	--	53	--	--
SW-3	9	10	N	2/2/2000	--	< 1 U	920	--	--	--	--	--	--	47	--	--
SW-3	9	20	N	2/2/2000	--	< 1 U	940	--	--	--	--	--	--	36	--	--
SW-3	9	35	N	2/2/2000	--	< 1 U	980	--	--	--	--	--	--	33	--	--
SW-3	9	47	N	2/2/2000	--	< 1 U	1000	--	--	--	--	--	--	52	--	--
SW-4	9	0	N	2/4/2000	--	< 1 U	580	--	--	--	--	--	--	38	--	--
SW-4	9	5	N	2/3/2000	--	< 1 U	570	--	--	--	--	--	--	73	--	--
SW-4	9	10	N	2/3/2000	--	< 1 U	850	--	--	--	--	--	--	57	--	--
SW-4	9	20	N	2/3/2000	--	< 1 U	900	--	--	--	--	--	--	63	--	--
SW-4	9	30	N	2/3/2000	--	< 1 U	780	--	--	--	--	--	--	59	--	--
SW-5	9	0	N	2/4/2000	--	< 1 U	2700	--	--	--	--	--	--	86	--	--
SW-5	9	5	N	2/1/2000	--	< 1 U	700	--	--	--	--	--	--	120	--	--
SW-5	9	10	N	2/1/2000	--	< 1 U	570	--	--	--	--	--	--	52	< 5 U	--
SW-5	9	20	N	2/1/2000	--	< 1 U	830	--	--	--	--	--	--	56	--	--
SW-5	9	35	N	2/1/2000	--	< 1 U	1200	--	--	--	--	--	--	56	--	--
SW-5	9	50	N	2/1/2000	--	< 1 U	1200	--	--	--	--	--	--	59	--	--
SW-7	9	0	N	2/4/2000	--	< 1 U	400	--	--	--	--	--	--	56	--	--
SW-7	9	5	N	2/1/2000	--	< 1 U	430	--	--	--	--	--	--	51	--	--
SW-7	9	10	N	2/1/2000	--	< 1 U	920	--	--	--	--	--	--	56	--	--
SW-7	9	20	N	2/1/2000	--	< 1 U	1000	--	--	--	--	--	--	44	--	--
SW-7	9	33	N	2/1/2000	--	< 1 U	850	--	--	--	--	--	--	38	--	--

TABLE B-1
SOIL METALS DATA
TIMET PONDS SUB-AREA
(Page 9 of 9)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Metals											
					Silicon	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Tungsten	Uranium	Vanadium	Zinc	Zirconium
SW-8	9	0	N	2/4/2000	--	< 1 U	720	--	--	--	--	--	--	62	--	--
SW-8	9	5	N	2/2/2000	--	< 1 U	1100	--	--	--	--	--	--	49	--	--
SW-8	9	10	N	2/2/2000	--	< 1 U	960	--	--	--	--	--	--	56	--	--
SW-8	9	20	N	2/2/2000	--	< 1 U	2000	--	--	--	--	--	--	53	--	--
SW-8	9	35	N	2/2/2000	--	< 1 U	1100	--	--	--	--	--	--	50	--	--

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-2
SOIL ORGANOCHLORINE PESTICIDES DATA
TIMET 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-02	1a	0	N	4/18/1996	--	--	< 0.0033 U	0.12	0.16	< 0.0017 U	< 0.0017 U	< 0.0017 U	0.0031	< 0.041 U	< 0.0017 U	< 0.0033 U
ADB-02	1a	5	N	4/18/1996	--	--	< 0.0036 U	0.0034	0.0015	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.044 U	< 0.0019 U	< 0.0036 U
ADB-03	1a	0	N	4/18/1996	--	--	< 0.0034 U	0.0012	0.0021	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.042 U	< 0.0018 U	< 0.0034 U
ADB-03	1a	5	N	4/18/1996	--	--	< 0.0036 U	0.0059	0.0074	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.043 U	< 0.0018 U	< 0.0036 U
HP-2	9	0	N	2/4/2000	--	--	< 0.005 U	0.2	0.077	< 0.005 U	< 0.005 U	0.031	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
HP-2	9	5	N	2/4/2000	--	--	< 0.005 U	0.07	0.013	< 0.005 U	< 0.005 U	0.009	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
HP-2	9	10	N	2/4/2000	--	--	< 0.005 U	0.011	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
HP-2	9	20	N	2/4/2000	--	--	< 0.005 U	0.033	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
HP-2	9	35	N	2/4/2000	--	--	< 0.005 U	0.011	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
HP-2	9	50	N	2/4/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0053	< 0.02 U	< 0.005 U	< 0.005 U
HP-2	9	55	N	2/4/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
HP-3	9	5	N	2/4/2000	--	--	< 0.005 U	0.6 J+	0.26 J+	< 0.005 U	0.042 J+	0.11 J+	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
HP-3	9	10	N	2/4/2000	--	--	< 0.005 U	0.22	0.091	< 0.005 U	0.015	0.034	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
HP-3	9	20	N	2/4/2000	--	--	< 0.005 U	0.29	0.11	< 0.005 U	0.02	0.042	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
HP-3	9	35	N	2/4/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
HP-3	9	50	N	2/4/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
HP-3	9	60	N	2/4/2000	--	--	< 0.005 U	0.0073	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
HP-5	9	0	N	2/4/2000	--	--	< 0.005 U	0.05	0.05	< 0.005 U	< 0.005 U	0.0077	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
HP-5	9	5	N	2/3/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
HP-5	9	10	N	2/3/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
HP-5	9	20	N	2/3/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
HP-5	9	35	N	2/3/2000	--	--	< 0.005 UJ-	< 0.005 UJ-	< 0.005 UJ-	< 0.005 UJ-	< 0.005 UJ-	< 0.005 UJ-	< 0.005 UJ-	< 0.02 UJ-	< 0.005 UJ-	< 0.005 UJ-
HP-5	9	50	N	2/3/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.011	< 0.02 U	< 0.005 U	< 0.005 U
HP-5	9	60	N	2/3/2000	--	--	< 0.005 U	0.0087	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
OPW-6	9	0	N	2/4/2000	--	--	< 0.005 U	0.034	0.021	< 0.005 U	< 0.005 U	< 0.005 U	0.03	< 0.02 U	< 0.005 U	< 0.005 U
OPW-6	9	5	N	2/1/2000	--	--	< 0.005 U	0.0067	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
OPW-6	9	10	N	2/1/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
OPW-6	9	20	N	2/1/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
OPW-6	9	35	N	2/1/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
OPW-6	9	52	N	2/1/2000	--	--	< 0.005 U	0.019	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
SB-09-B	27	0	N	6/6/2004	--	< 0.0018 U	< 0.0018 U	0.0038	0.0022	< 0.0018 U	< 0.0018 U	< 0.0018 U	0.0095	< 0.018 U	< 0.0018 U	< 0.0018 U
SB-09-B	27	7	N	6/6/2004	--	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	0.0021	< 0.0018 U	< 0.0018 U	< 0.018 U	< 0.0018 U	< 0.0018 U
SB-09-B	27	17	N	6/6/2004	--	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.019 U	< 0.0019 U	< 0.0019 U
SB-09-B	27	27	N	6/6/2004	--	< 0.0018 UJ-	0.002 J-	< 0.0018 UJ-	0.0071 J-	< 0.0018 UJ-	0.0056 J-	< 0.0018 UJ-	0.0019 J-	< 0.018 UJ-	< 0.0018 UJ-	< 0.0018 UJ-
SB-09-B	27	47	N	6/6/2004	--	< 0.0025 U	< 0.0025 U	< 0.0025 U	< 0.0025 U	< 0.0025 U	< 0.0025 U	< 0.0025 U	< 0.0025 U	< 0.025 U	< 0.0025 U	< 0.0025 U
SB-09-B	27	57	N	6/6/2004	--	< 0.0026 U	< 0.0026 U	< 0.0026 U	< 0.0026 U	< 0.0026 U	< 0.0026 U	< 0.0026 U	< 0.0026 U	< 0.026 U	< 0.0026 U	< 0.0026 U
SB-09-B	27	97	N	6/6/2004	--	< 0.0025 U	0.0051	< 0.0025 U	0.021	< 0.0025 U	0.03	< 0.0025 U	0.0052	< 0.025 U	< 0.0025 U	< 0.0025 U

TABLE B-2
SOIL ORGANOCHLORINE PESTICIDES DATA
TIMET PONDS SUB-AREA
(Page 2 of 6)

					Organochlorine Pesticides											
Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	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-09-B	27	117	N	6/6/2004	--	< 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
SW-10	9	0	N	2/4/2000	--	--	< 0.005 U	0.14 J+	0.45 J+	< 0.005 U	< 0.005 U	< 0.005 U	0.17 J+	< 0.02 U	0.1 J+	< 0.005 U
SW-10	9	5	N	2/2/2000	--	--	< 0.0075 U	< 0.0075 U	< 0.0075 U	< 0.0075 U	< 0.0075 U	< 0.0075 U	< 0.0075 U	< 0.03 U	< 0.0075 U	< 0.0075 U
SW-10	9	10	N	2/2/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
SW-10	9	20	N	2/2/2000	--	--	< 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
SW-10	9	35	N	2/2/2000	--	--	< 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
SW-10	9	50	N	2/2/2000	--	--	< 0.0075 UJ	0.08 J+	0.028 J+	< 0.0075 U	< 0.0075 U	0.0085 J+	0.036 J+	< 0.03 U	0.0095 J+	< 0.0075 UJ
SW-10	9	60	N	2/2/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
SW-11/HP-5	9	0	N	2/4/2000	--	--	< 0.005 U	0.71 J+	0.23 J+	< 0.005 U	0.021 J+	0.14 J+	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
SW-11/HP-5	9	5	N	2/1/2000	--	--	< 0.005 UJ	0.11 J+	0.046 J+	< 0.005 U	< 0.005 U	0.013 J+	0.076 J+	< 0.02 U	0.013 J+	< 0.005 UJ
SW-11/HP-5	9	10	N	2/1/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
SW-11/HP-5	9	20	N	2/1/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
SW-11/HP-5	9	35	N	2/1/2000	--	--	< 0.005 UJ	0.096 J+	0.038 J+	< 0.005 U	< 0.005 U	0.011 J+	0.065 J+	< 0.02 U	0.009 J+	< 0.005 UJ
SW-11/HP-5	9	50	N	2/1/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
SW-11/HP-5	9	60	N	2/1/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
SW-3	9	0	N	2/4/2000	--	--	< 0.005 U	0.011	0.0093	< 0.005 U	< 0.005 U	< 0.005 U	0.015	< 0.02 U	< 0.005 U	< 0.005 U
SW-3	9	5	N	2/2/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
SW-3	9	10	N	2/2/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
SW-3	9	20	N	2/2/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
SW-3	9	35	N	2/2/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
SW-3	9	47	N	2/2/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
SW-4	9	0	N	2/4/2000	--	--	< 0.005 U	0.006	0.008	< 0.005 U	< 0.005 U	< 0.005 U	0.0087	< 0.02 U	< 0.005 U	< 0.005 U
SW-4	9	5	N	2/3/2000	--	--	< 0.005 U	0.0053	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
SW-4	9	10	N	2/3/2000	--	--	< 0.005 U	0.014	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
SW-4	9	20	N	2/3/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
SW-4	9	30	N	2/3/2000	--	--	< 0.005 U	0.0053	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
SW-5	9	0	N	2/4/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
SW-5	9	5	N	2/1/2000	--	--	< 0.005 U	0.0063	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
SW-5	9	10	N	2/1/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
SW-5	9	20	N	2/1/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
SW-5	9	35	N	2/1/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
SW-5	9	50	N	2/1/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
SW-7	9	0	N	2/4/2000	--	--	< 0.005 U	0.0087	0.01	< 0.005 U	< 0.005 U	< 0.005 U	0.012	< 0.02 U	< 0.005 U	< 0.005 U
SW-7	9	5	N	2/1/2000	--	--	< 0.005 U	0.019	< 0.0415 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
SW-7	9	10	N	2/1/2000	--	--	< 0.005 U	0.0057	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
SW-7	9	20	N	2/1/2000	--	--	< 0.005 U	0.0077	0.005	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
SW-7	9	33	N	2/1/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U

TABLE B-2
SOIL ORGANOCHLORINE PESTICIDES DATA
TIMET 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
SW-8	9	0	N	2/4/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.008	< 0.02 U	< 0.005 U	< 0.005 U
SW-8	9	5	N	2/2/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
SW-8	9	10	N	2/2/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
SW-8	9	20	N	2/2/2000	--	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
SW-8	9	35	N	2/2/2000	--	--	< 0.005 U	0.007	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 U
WC-TA01	39	0	N	8/1/2006	< 0.00074 U	0.0049 J+	< 0.0001 U	0.008 J+	0.0044 J+	< 0.00011 U	< 0.00064 U	< 0.00013 U	0.0057 J+	--	< 0.00012 U	< 0.00029 U
WC-TB01	39	0	N	8/2/2006	< 0.00072 U	0.0061 J	< 0.0001 U	0.0046	0.003	< 0.0001 U	< 0.00063 U	< 0.00012 U	0.0092	--	< 0.00011 U	< 0.00028 U
WC-TB02	39	0	N	8/2/2006	< 0.00074 U	0.0021	< 0.0001 U	< 0.0004 U	< 0.0002 UJ	< 0.0001 U	< 0.00064 U	< 0.00012 U	0.0027	--	< 0.00012 U	< 0.00029 U
WC-TB03	39	0	N	8/2/2006	< 0.0073 U	0.49	< 0.00097 U	0.21	< 0.002 U	< 0.001 U	< 0.0063 U	< 0.0012 U	0.017 J	--	< 0.0012 U	< 0.0028 U
WC-TB04	39	0	N	8/2/2006	< 0.0073 U	0.88	< 0.00097 U	0.32	0.094	< 0.001 U	< 0.0063 U	< 0.0012 U	0.093	--	< 0.0011 U	< 0.0028 U
WC-TD01	39	0	N	7/31/2006	< 0.00072 U	0.0034	< 0.0001 U	0.0046	0.0036	< 0.0001 U	< 0.00062 U	< 0.00012 U	0.0041	--	< 0.00011 U	< 0.00028 U
WC-TE01	39	0	N	7/31/2006	< 0.00072 U	< 0.0001 U	< 0.0001 U	0.0028	< 0.0002 U	< 0.0001 U	< 0.00063 U	< 0.00012 U	0.0068	--	< 0.00011 U	< 0.00028 U
WC-TP01	39	0	N	8/9/2006	< 0.0012 U	< 0.00016 U	< 0.00015 U	< 0.00063 U	< 0.00032 U	< 0.00016 U	< 0.001 U	< 0.00019 U	0.0058 J+	--	< 0.00018 U	< 0.00045 U
WC-TP02	39	0	N	8/4/2006	< 0.0012 U	< 0.00017 U	< 0.00016 U	< 0.00064 U	< 0.00032 U	< 0.00017 U	< 0.001 U	< 0.0002 U	< 0.0002 U	--	< 0.00019 U	< 0.00046 U
WC-TP03	39	0	N	8/4/2006	< 0.00098 U	< 0.00014 U	< 0.00013 U	< 0.00053 U	< 0.00027 U	< 0.00014 U	< 0.00085 U	< 0.00016 U	< 0.00016 U	--	< 0.00015 U	< 0.00038 U
WC-TP04	39	0	N	8/9/2006	< 0.0012 U	< 0.00017 U	< 0.00016 U	< 0.00067 U	< 0.00034 U	< 0.00017 U	< 0.0011 U	< 0.00021 U	0.0047 J+	--	< 0.00019 U	< 0.00048 U
WC-TP05	39	0	N	8/4/2006	< 0.0012 U	< 0.00018 U	< 0.00017 U	< 0.00067 U	< 0.00034 U	< 0.00018 U	< 0.0011 U	< 0.00021 U	< 0.0002 U	--	< 0.0002 U	< 0.00048 U
WC-TP06	39	0	N	8/4/2006	< 0.0011 U	< 0.00016 U	< 0.00015 U	< 0.00062 U	< 0.00031 U	< 0.00016 U	< 0.00099 U	< 0.00019 U	< 0.00019 U	--	< 0.00018 U	< 0.00045 U
WC-TP07	39	0	N	8/8/2006	< 0.001 U	< 0.00014 U	< 0.00013 U	< 0.00055 U	< 0.00028 U	< 0.00014 U	< 0.00087 U	< 0.00017 U	< 0.00017 U	--	< 0.00016 U	< 0.00039 U
WC-TP08	39	0	N	8/7/2006	< 0.0023 U	< 0.00032 U	< 0.0003 U	< 0.0012 U	< 0.00062 U	< 0.00032 U	< 0.002 U	< 0.00038 U	< 0.00037 U	--	< 0.00036 U	< 0.00088 U
WC-TP09	39	0	N	8/3/2006	< 0.0012 U	< 0.00017 U	< 0.00016 U	< 0.00065 U	< 0.00033 U	< 0.00017 U	< 0.001 U	< 0.0002 U	< 0.0002 U	--	< 0.00019 U	< 0.00047 U
WC-TP10	39	0	N	8/7/2006	< 0.0011 U	< 0.00015 U	< 0.00014 U	< 0.00059 U	< 0.0003 U	< 0.00015 U	< 0.00094 U	< 0.00018 U	< 0.00018 U	--	< 0.00017 U	< 0.00042 U
WC-TP11	39	0	N	8/8/2006	< 0.0012 U	< 0.00017 U	< 0.00016 U	< 0.00064 U	< 0.00032 U	< 0.00017 U	< 0.001 U	< 0.0002 U	< 0.0002 U	--	< 0.00019 U	< 0.00046 U
WC-TP12	39	0	N	8/8/2006	< 0.001 U	0.006 J	< 0.00014 U	0.006 J+	< 0.00029 U	< 0.00015 U	< 0.00091 U	< 0.00018 U	0.015 J+	--	< 0.00017 U	< 0.00041 U
WC-TP13	39	0	N	8/7/2006	< 0.001 U	0.0032 J+	< 0.00014 U	< 0.00056 U	< 0.00028 U	< 0.00015 U	< 0.0009 U	< 0.00017 U	< 0.00017 U	--	< 0.00016 U	< 0.0004 U
WC-TP14	39	0	N	8/8/2006	< 0.0018 U	< 0.00025 U	< 0.00024 U	< 0.00097 U	< 0.00049 U	< 0.00025 U	< 0.0016 U	< 0.0003 U	0.0052 J+	--	< 0.00028 U	< 0.0007 U
WC-TP15	39	0	N	8/7/2006	< 0.00089 U	< 0.00013 U	< 0.00012 U	< 0.00048 U	0.01	< 0.00013 U	< 0.00077 U	< 0.00015 U	< 0.00015 U	--	< 0.00014 U	< 0.00034 U
WC-TP16	39	0	N	8/8/2006	< 0.0012 U	0.011 J+	< 0.00015 U	0.0073 J+	0.0046 J+	< 0.00016 U	< 0.001 U	< 0.00019 U	< 0.00019 U	--	< 0.00018 U	< 0.00045 U
WC-TW01	39	0	N	8/1/2006	0.0029 J	0.006 J+	< 0.00011 U	< 0.00044 U	0.0036 J	< 0.00012 U	< 0.0007 U	< 0.00014 U	0.02 J	--	< 0.00013 U	< 0.00032 U
WC-TW02	39	0	N	8/1/2006	0.0056 J+	0.0089 J	< 0.0001 U	0.019 J+	0.003 J	< 0.00011 U	0.0034 J+	< 0.00013 U	0.016 J+	--	< 0.00012 U	< 0.00031 U
WC-TW03	39	0	N	8/2/2006	< 0.00081 U	0.0024 J+	< 0.00011 U	0.0031 J+	< 0.00022 UJ	< 0.00012 U	< 0.0007 U	< 0.00014 U	< 0.00013 U	--	< 0.00013 U	< 0.00031 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-2
SOIL ORGANOCHLORINE PESTICIDES DATA
TIMET PONDS SUB-AREA
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					Organochlorine Pesticides											
Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-Chlordane	Heptachlor	Heptachlor epoxide	Lindane	Methoxychlor	Toxaphene
ADB-02	1a	0	N	4/18/1996	0.034	< 0.0033 U	< 0.0033 U	< 0.0033 U	< 0.0033 U	--	0.0038	< 0.0017 U	< 0.0017 U	< 0.0017 U	< 0.017 U	< 0.016 U
ADB-02	1a	5	N	4/18/1996	< 0.0017 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
ADB-03	1a	0	N	4/18/1996	< 0.0018 U	< 0.0034 U	< 0.0034 U	< 0.0034 U	< 0.0034 U	--	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.018 U	< 0.016 U
ADB-03	1a	5	N	4/18/1996	0.0026	< 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
HP-2	9	0	N	2/4/2000	< 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
HP-2	9	5	N	2/4/2000	< 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
HP-2	9	10	N	2/4/2000	< 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
HP-2	9	20	N	2/4/2000	< 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
HP-2	9	35	N	2/4/2000	< 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
HP-2	9	50	N	2/4/2000	< 0.005 U	0.016	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.05 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.06 U
HP-2	9	55	N	2/4/2000	< 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
HP-3	9	5	N	2/4/2000	< 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
HP-3	9	10	N	2/4/2000	< 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
HP-3	9	20	N	2/4/2000	< 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
HP-3	9	35	N	2/4/2000	< 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
HP-3	9	50	N	2/4/2000	< 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
HP-3	9	60	N	2/4/2000	< 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
HP-5	9	0	N	2/4/2000	< 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
HP-5	9	5	N	2/3/2000	< 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
HP-5	9	10	N	2/3/2000	< 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
HP-5	9	20	N	2/3/2000	< 0.005 U	0.005	< 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
HP-5	9	35	N	2/3/2000	< 0.005 UJ-	< 0.005 UJ-	< 0.005 UJ-	< 0.005 UJ-	< 0.005 UJ-	< 0.005 UJ-	< 0.005 UJ-	< 0.005 UJ-	< 0.005 UJ-	< 0.005 UJ-	< 0.02 UJ-	< 0.06 UJ-
HP-5	9	50	N	2/3/2000	< 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
HP-5	9	60	N	2/3/2000	< 0.005 U	0.038	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.024	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 U	< 0.06 U
OPW-6	9	0	N	2/4/2000	< 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
OPW-6	9	5	N	2/1/2000	< 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
OPW-6	9	10	N	2/1/2000	< 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
OPW-6	9	20	N	2/1/2000	< 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
OPW-6	9	35	N	2/1/2000	< 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
OPW-6	9	52	N	2/1/2000	< 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
SB-09-B	27	0	N	6/6/2004	< 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-09-B	27	7	N	6/6/2004	< 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	0.016	< 0.071 U
SB-09-B	27	17	N	6/6/2004	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0036 U	< 0.073 U
SB-09-B	27	27	N	6/6/2004	< 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-	0.0033 J-	0.054 J-	< 0.071 UJ-
SB-09-B	27	47	N	6/6/2004	< 0.0025 U	< 0.0025 U	< 0.0025 U	< 0.0025 U	0.0028	< 0.0025 U	< 0.0025 U	< 0.0025 U	< 0.0025 U	< 0.0025 U	< 0.0048 U	< 0.098 U
SB-09-B	27	57	N	6/6/2004	< 0.0026 U	< 0.0026 U	< 0.0026 U	< 0.0026 U	< 0.0026 U	< 0.0026 U	< 0.0026 U	< 0.0026 U	< 0.0026 U	< 0.0026 U	< 0.0051 U	< 0.1 U
SB-09-B	27	97	N	6/6/2004	< 0.0025 U	< 0.0025 U	< 0.0025 U	< 0.0025 U	< 0.0025 U	< 0.0025 U	< 0.0025 U	< 0.0025 U	< 0.0025 U	0.014	0.16 J-	< 0.098 U

TABLE B-2
SOIL ORGANOCHLORINE PESTICIDES DATA
TIMET 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
SB-09-B	27	117	N	6/6/2004	< 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
SW-10	9	0	N	2/4/2000	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.32 J+	< 0.005 U	< 0.005 U	< 0.02 U	< 0.06 U
SW-10	9	5	N	2/2/2000	< 0.0075 U	< 0.0075 UJ	< 0.0075 U	< 0.0075 UJ	< 0.0075 U	< 0.0075 U	< 0.0075 U	< 0.0075 U	< 0.0075 UJ	< 0.0075 U	< 0.03 U	< 0.09 U
SW-10	9	10	N	2/2/2000	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.02 U	< 0.06 U
SW-10	9	20	N	2/2/2000	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.02 U	< 0.06 U
SW-10	9	35	N	2/2/2000	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.02 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.02 U	< 0.06 U
SW-10	9	50	N	2/2/2000	< 0.0075 U	< 0.0075 UJ	< 0.0075 UJ	< 0.0075 UJ	< 0.0075 UJ	< 0.0075 UJ	< 0.0075 U	< 0.0075 U	< 0.0075 U	< 0.0075 U	< 0.03 UJ	< 0.09 UJ
SW-10	9	60	N	2/2/2000	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.02 U	< 0.06 U
SW-11/HP-5	9	0	N	2/4/2000	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.012 J+	< 0.005 U	< 0.005 U	< 0.02 U	< 0.06 U
SW-11/HP-5	9	5	N	2/1/2000	< 0.005 U	< 0.005 UJ	< 0.005 UJ	< 0.005 UJ	< 0.005 UJ	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 UJ	< 0.06 UJ
SW-11/HP-5	9	10	N	2/1/2000	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.02 U	< 0.06 U
SW-11/HP-5	9	20	N	2/1/2000	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.02 U	< 0.06 U
SW-11/HP-5	9	35	N	2/1/2000	< 0.005 U	< 0.005 UJ	< 0.005 UJ	< 0.005 UJ	< 0.005 UJ	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.02 UJ	< 0.06 UJ
SW-11/HP-5	9	50	N	2/1/2000	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.02 U	< 0.06 U
SW-11/HP-5	9	60	N	2/1/2000	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.02 U	< 0.06 U
SW-3	9	0	N	2/4/2000	< 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
SW-3	9	5	N	2/2/2000	< 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
SW-3	9	10	N	2/2/2000	< 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
SW-3	9	20	N	2/2/2000	< 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
SW-3	9	35	N	2/2/2000	< 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
SW-3	9	47	N	2/2/2000	< 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
SW-4	9	0	N	2/4/2000	< 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
SW-4	9	5	N	2/3/2000	< 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
SW-4	9	10	N	2/3/2000	< 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
SW-4	9	20	N	2/3/2000	< 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
SW-4	9	30	N	2/3/2000	< 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
SW-5	9	0	N	2/4/2000	< 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
SW-5	9	5	N	2/1/2000	< 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
SW-5	9	10	N	2/1/2000	< 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
SW-5	9	20	N	2/1/2000	< 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
SW-5	9	35	N	2/1/2000	< 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
SW-5	9	50	N	2/1/2000	< 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
SW-7	9	0	N	2/4/2000	< 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
SW-7	9	5	N	2/1/2000	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.02 U	< 0.06 U
SW-7	9	10	N	2/1/2000	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.02 U	< 0.06 U
SW-7	9	20	N	2/1/2000	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.02 U	< 0.06 U
SW-7	9	33	N	2/1/2000	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.02 U	< 0.06 U

TABLE B-2
SOIL ORGANOCHLORINE PESTICIDES DATA
TIMET PONDS SUB-AREA
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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
SW-8	9	0	N	2/4/2000	< 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
SW-8	9	5	N	2/2/2000	< 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
SW-8	9	10	N	2/2/2000	< 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
SW-8	9	20	N	2/2/2000	< 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
SW-8	9	35	N	2/2/2000	< 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
WC-TA01	39	0	N	8/1/2006	< 0.00013 U	< 0.0001 U	< 0.00025 U	< 0.00021 U	< 0.00017 U	--	< 0.00009 U	< 0.00011 U	< 0.00015 U	< 0.00027 U	0.034 J	< 0.0069 U
WC-TB01	39	0	N	8/2/2006	< 0.00013 U	< 0.0001 U	< 0.00024 U	< 0.0002 U	< 0.00017 U	--	< 0.00009 U	< 0.0001 U	< 0.00014 U	< 0.00026 U	< 0.00018 U	< 0.0068 U
WC-TB02	39	0	N	8/2/2006	< 0.00013 U	< 0.0001 U	< 0.00024 U	< 0.0002 U	< 0.00017 U	--	< 0.00009 U	< 0.0001 U	< 0.00014 U	< 0.00026 U	< 0.00019 U	< 0.0069 U
WC-TB03	39	0	N	8/2/2006	< 0.0013 U	< 0.00098 U	< 0.0024 U	< 0.002 U	< 0.0017 U	--	< 0.00091 U	< 0.001 U	< 0.0014 U	< 0.0026 U	0.036 J	< 0.068 U
WC-TB04	39	0	N	8/2/2006	< 0.0013 U	< 0.00097 U	< 0.0024 U	< 0.002 U	< 0.0017 U	--	< 0.00091 U	< 0.001 U	< 0.0014 U	< 0.0026 U	< 0.0018 U	< 0.068 U
WC-TD01	39	0	N	7/31/2006	< 0.00013 U	< 0.0001 U	< 0.00024 U	< 0.0002 U	< 0.00017 U	--	< 0.00009 U	< 0.0001 U	< 0.00014 U	< 0.00026 U	< 0.00018 U	< 0.0067 U
WC-TE01	39	0	N	7/31/2006	< 0.00013 U	< 0.0001 U	< 0.00024 U	< 0.0002 U	< 0.00017 U	--	< 0.00009 U	< 0.0001 U	< 0.00014 U	< 0.00026 U	< 0.00018 U	< 0.0068 U
WC-TP01	39	0	N	8/9/2006	< 0.00021 U	< 0.00016 U	< 0.00038 U	< 0.00032 U	< 0.00027 U	--	< 0.00015 U	< 0.00016 U	< 0.00023 U	< 0.00041 U	< 0.00029 U	< 0.011 U
WC-TP02	39	0	N	8/4/2006	< 0.00021 U	< 0.00016 U	< 0.00039 U	< 0.00033 U	< 0.00027 U	--	< 0.00015 U	< 0.00017 U	< 0.00023 U	< 0.00042 U	< 0.0003 U	< 0.011 U
WC-TP03	39	0	N	8/4/2006	< 0.00017 U	< 0.00013 U	< 0.00032 U	< 0.00027 U	< 0.00023 U	--	< 0.00012 U	< 0.00014 U	< 0.00019 U	< 0.00035 U	< 0.00025 U	< 0.0091 U
WC-TP04	39	0	N	8/9/2006	< 0.00022 U	< 0.00017 U	< 0.00041 U	< 0.00034 U	< 0.00029 U	--	< 0.00015 U	< 0.00017 U	< 0.00024 U	< 0.00044 U	< 0.00031 U	< 0.011 U
WC-TP05	39	0	N	8/4/2006	< 0.00022 U	< 0.00017 U	< 0.00041 U	< 0.00034 U	< 0.00029 U	--	< 0.00016 U	< 0.00018 U	< 0.00024 U	< 0.00044 U	0.012 J+	< 0.012 U
WC-TP06	39	0	N	8/4/2006	< 0.0002 U	< 0.00015 U	< 0.00038 U	< 0.00032 U	< 0.00027 U	--	< 0.00014 U	< 0.00016 U	< 0.00022 U	< 0.00041 U	< 0.00029 U	< 0.011 U
WC-TP07	39	0	N	8/8/2006	< 0.00018 U	< 0.00014 U	< 0.00033 U	< 0.00028 U	< 0.00023 U	--	< 0.00013 U	< 0.00014 U	< 0.0002 U	< 0.00036 U	< 0.00025 U	< 0.0094 U
WC-TP08	39	0	N	8/7/2006	< 0.0004 U	< 0.0003 U	< 0.00075 U	< 0.00063 U	< 0.00053 U	--	< 0.00028 U	< 0.00032 U	< 0.00044 U	< 0.00081 U	< 0.00057 U	< 0.021 U
WC-TP09	39	0	N	8/3/2006	< 0.00021 U	< 0.00016 U	< 0.0004 U	< 0.00033 U	< 0.00028 U	--	< 0.00015 U	< 0.00017 U	< 0.00024 U	< 0.00043 U	< 0.0003 U	< 0.011 U
WC-TP10	39	0	N	8/7/2006	< 0.00019 U	< 0.00015 U	< 0.00036 U	< 0.0003 U	< 0.00025 U	--	< 0.00014 U	< 0.00015 U	< 0.00021 U	< 0.00039 U	< 0.00027 U	< 0.01 U
WC-TP11	39	0	N	8/8/2006	< 0.00021 U	< 0.00016 U	< 0.00039 U	< 0.00033 U	< 0.00027 U	--	< 0.00015 U	< 0.00017 U	< 0.00023 U	< 0.00042 U	0.022 J+	< 0.011 U
WC-TP12	39	0	N	8/8/2006	< 0.00019 U	< 0.00014 U	< 0.00035 U	< 0.00029 U	< 0.00024 U	--	< 0.00013 U	< 0.00015 U	< 0.0002 U	< 0.00037 U	< 0.00026 U	< 0.0098 U
WC-TP13	39	0	N	8/7/2006	< 0.00018 U	< 0.00014 U	< 0.00034 U	< 0.00029 U	< 0.00024 U	--	< 0.00013 U	< 0.00015 U	< 0.0002 U	< 0.00037 U	< 0.00026 U	< 0.0097 U
WC-TP14	39	0	N	8/8/2006	< 0.00032 U	< 0.00024 U	< 0.00059 U	< 0.0005 U	< 0.00042 U	--	< 0.00023 U	< 0.00025 U	< 0.00035 U	< 0.00064 U	< 0.00045 U	< 0.017 U
WC-TP15	39	0	N	8/7/2006	< 0.00016 U	< 0.00012 U	< 0.00029 U	< 0.00024 U	< 0.00021 U	--	< 0.00011 U	< 0.00013 U	< 0.00017 U	< 0.00032 U	< 0.00022 U	< 0.0083 U
WC-TP16	39	0	N	8/8/2006	< 0.00021 U	< 0.00016 U	< 0.00038 U	< 0.00032 U	< 0.00027 U	--	< 0.00015 U	< 0.00016 U	< 0.00023 U	< 0.00041 U	< 0.00029 U	< 0.011 U
WC-TW01	39	0	N	8/1/2006	< 0.00014 U	< 0.00011 U	< 0.00027 U	< 0.00022 U	< 0.00019 U	--	< 0.0001 U	< 0.00012 U	< 0.00016 U	< 0.00029 U	< 0.00021 U	< 0.0076 U
WC-TW02	39	0	N	8/1/2006	0.018 J+	< 0.00011 U	< 0.00026 U	< 0.00022 U	0.0043 J	--	< 0.0001 U	< 0.00011 U	< 0.00015 U	< 0.00028 U	< 0.0002 U	< 0.0073 U
WC-TW03	39	0	N	8/2/2006	< 0.00014 U	< 0.00011 U	< 0.00027 U	< 0.00022 U	< 0.00019 U	--	< 0.0001 U	< 0.00012 U	< 0.00016 U	< 0.00029 U	< 0.0002 UJ	< 0.0076 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-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
TIMET PONDS SUB-AREA
(Page 1 of 12)

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-02	1a	0	N	4/18/1996	--	< 0.0011 U	< 0.0011 U	< 0.0021 U	< 0.0011 U	< 0.0011 U	--	--	--	< 0.67 U	--	--
ADB-02	1a	5	N	4/18/1996	--	< 0.0011 U	< 0.0011 U	< 0.0022 U	< 0.0011 U	< 0.0011 U	--	--	--	< 0.72 U	--	--
ADB-03	1a	0	N	4/18/1996	--	< 0.0011 U	< 0.0011 U	< 0.0021 U	< 0.0011 U	< 0.0011 U	--	--	--	< 0.7 U	--	--
ADB-03	1a	5	N	4/18/1996	--	< 0.0011 U	< 0.0011 U	< 0.0022 U	< 0.0011 U	< 0.0011 U	--	--	--	--	--	--
OPW-6	9	52	N	2/1/2000	< 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	< 0.005 U
SB-09-B	27	0	N	6/6/2004	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.012 U
SB-09-B	27	7	N	6/6/2004	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.011 U
SB-09-B	27	17	N	6/6/2004	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.011 U
SB-09-B	27	27	N	6/6/2004	< 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-09-B	27	47	N	6/6/2004	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.015 UJ
SB-09-B	27	57	N	6/6/2004	< 0.0077 U	< 0.0077 U	< 0.0077 U	< 0.0077 U	< 0.0077 U	< 0.0077 U	< 0.0077 U	< 0.0077 U	< 0.0077 U	< 0.0077 U	< 0.0077 U	< 0.015 UJ
SB-09-B	27	97	N	6/6/2004	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.015 UJ
SB-09-B	27	117	N	6/6/2004	< 0.0079 U	< 0.0079 U	< 0.0079 U	< 0.0079 U	< 0.0079 U	< 0.0079 U	< 0.0079 U	< 0.0079 U	< 0.0079 U	< 0.0079 U	< 0.0079 U	< 0.016 UJ
SW-11/HP-5	9	5	N	2/1/2000	< 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	< 0.005 U
SW-7	9	5	N	2/1/2000	< 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	< 0.005 U
WC-TA01	39	0	N	8/1/2006	< 0.00024 U	< 0.00015 U	< 0.00015 U	< 0.0003 U	< 0.001 U	< 0.00058 U	--	--	< 0.00059 U	< 0.00077 U	--	< 0.00094 U
WC-TB01	39	0	N	8/2/2006	< 0.00023 U	< 0.00015 U	< 0.00014 U	< 0.00029 U	< 0.00098 U	< 0.00056 U	--	--	< 0.00057 U	< 0.00075 U	--	< 0.00092 U
WC-TB02	39	0	N	8/2/2006	< 0.00024 U	< 0.00015 U	< 0.00015 U	< 0.0003 U	< 0.001 U	< 0.00058 U	--	--	< 0.00058 U	< 0.00077 U	--	< 0.00093 U
WC-TB03	39	0	N	8/2/2006	< 0.00023 U	< 0.00015 U	< 0.00015 U	< 0.00029 U	< 0.00098 U	< 0.00057 U	--	--	< 0.00057 U	< 0.00076 U	--	< 0.00092 U
WC-TB04	39	0	N	8/2/2006	< 0.00023 U	< 0.00015 U	< 0.00015 U	< 0.00029 U	< 0.00098 U	< 0.00057 U	--	--	< 0.00057 U	< 0.00076 U	--	< 0.00092 U
WC-TD01	39	0	N	7/31/2006	< 0.00023 U	< 0.00015 U	< 0.00014 U	< 0.00029 U	< 0.00097 U	< 0.00056 U	--	--	< 0.00057 U	< 0.00075 U	--	< 0.00091 U
WC-TE01	39	0	N	7/31/2006	< 0.00023 U	< 0.00015 U	< 0.00014 U	< 0.00029 U	< 0.00098 U	< 0.00056 U	--	--	< 0.00057 U	< 0.00075 U	--	< 0.00092 U
WC-TP01	39	0	N	8/9/2006	< 0.00037 UJ	< 0.00024 U	< 0.00023 UJ	< 0.00046 UJ	< 0.0016 U	< 0.0009 U	--	--	--	--	--	--
WC-TP02	39	0	N	8/4/2006	< 0.0019 U	< 0.0012 U	< 0.0012 U	< 0.0024 U	< 0.008 U	< 0.0046 U	--	--	< 0.0047 U	< 0.0062 U	--	< 0.0075 U
WC-TP03	39	0	N	8/4/2006	< 0.0016 U	< 0.001 U	< 0.00098 U	< 0.002 U	< 0.0066 U	< 0.0038 U	--	--	< 0.0039 U	< 0.0051 U	--	< 0.0062 U
WC-TP04	39	0	N	8/9/2006	< 0.00039 UJ	< 0.00025 U	< 0.00025 UJ	< 0.00049 UJ	< 0.0017 U	< 0.00096 U	--	--	--	--	--	--
WC-TP05	39	0	N	8/4/2006	< 0.002 U	< 0.0013 U	< 0.0012 U	< 0.0025 U	< 0.0084 U	< 0.0048 U	--	--	< 0.0049 UJ	< 0.0065 UJ	--	< 0.0078 UJ
WC-TP06	39	0	N	8/4/2006	< 0.0018 U	< 0.0012 U	< 0.0011 U	< 0.0023 U	< 0.0077 U	< 0.0045 U	--	--	< 0.0045 U	< 0.006 U	--	< 0.0072 U
WC-TP07	39	0	N	8/8/2006	< 0.00032 UJ	< 0.00021 U	< 0.0002 UJ	< 0.00041 UJ	< 0.0014 U	< 0.00079 U	--	--	< 0.16 U	< 0.1 U	--	< 0.1 U
WC-TP08	39	0	N	8/7/2006	< 0.00072 UJ	< 0.00047 U	< 0.00045 UJ	< 0.00091 UJ	< 0.0031 U	< 0.0018 U	--	--	--	--	--	--
WC-TP09	39	0	N	8/3/2006	< 0.00038 UJ	< 0.00025 U	< 0.00024 UJ	< 0.00048 UJ	< 0.0016 U	< 0.00094 U	--	--	< 0.00095 UJ	< 0.0013 UJ	--	< 0.0015 UJ
WC-TP10	39	0	N	8/7/2006	< 0.00035 U	< 0.00023 U	< 0.00022 U	< 0.00044 U	< 0.0015 U	< 0.00085 U	--	--	< 0.00086 UJ	< 0.0011 UJ	--	< 0.0014 UJ
WC-TP11	39	0	N	8/8/2006	< 0.00038 U	< 0.00025 U	< 0.00024 U	< 0.00048 U	< 0.0016 U	< 0.00092 U	--	--	< 0.00093 UJ	< 0.0012 UJ	--	< 0.0015 UJ
WC-TP12	39	0	N	8/8/2006	< 0.00033 U	< 0.00022 U	< 0.00021 U	< 0.00042 U	< 0.0014 U	< 0.00082 U	--	--	< 0.00083 U	< 0.0011 U	--	< 0.0013 U
WC-TP13	39	0	N	8/7/2006	< 0.00033 U	< 0.00022 U	< 0.00021 U	< 0.00042 U	< 0.0014 U	< 0.00081 U	--	--	< 0.00082 U	< 0.0011 U	--	< 0.0013 U
WC-TP14	39	0	N	8/8/2006	< 0.00057 U	< 0.00037 U	< 0.00036 U	< 0.00072 U	< 0.0024 U	< 0.0014 U	--	--	< 0.0014 U	< 0.0019 U	--	< 0.0023 U
WC-TP15	39	0	N	8/7/2006	< 0.0014 U	< 0.00092 U	< 0.00089 U	< 0.0018 U	< 0.006 U	< 0.0035 U	--	--	< 0.0035 U	< 0.0046 U	--	< 0.0056 U

TABLE B-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
TIMET 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)
WC-TP16	39	0	N	8/8/2006	< 0.00037 U	< 0.00024 U	< 0.00023 U	< 0.00046 U	< 0.0016 U	< 0.0009 U	--	--	< 0.00091 U	< 0.0012 U	--	< 0.0015 U
WC-TW01	39	0	N	8/1/2006	< 0.00026 U	< 0.00017 U	< 0.00016 U	< 0.00033 U	< 0.0011 U	< 0.00063 U	--	--	< 0.00064 U	< 0.00085 U	--	< 0.001 U
WC-TW02	39	0	N	8/1/2006	< 0.00025 UJ	< 0.00016 UJ	< 0.00016 UJ	< 0.00032 UJ	< 0.0011 UJ	< 0.00061 UJ	--	--	< 0.00062 UJ	< 0.00082 UJ	--	< 0.00099 UJ
WC-TW03	39	0	N	8/2/2006	< 0.00026 U	< 0.00017 U	< 0.00016 U	< 0.00033 U	< 0.0011 U	< 0.00063 U	--	--	< 0.00064 U	< 0.00084 U	--	< 0.001 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-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
TIMET PONDS SUB-AREA
(Page 3 of 12)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)											
					1,2-Dibromoethane	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	2,2-Dichloropropane	2-Chloroethyl vinyl ether
ADB-02	1a	0	N	4/18/1996	--	< 0.0011 U	< 0.0011 U	--	< 0.0011 U	--	--	< 0.0011 U	--	< 0.0011 U	--	< 0.0011 U
ADB-02	1a	5	N	4/18/1996	--	< 0.0011 U	< 0.0011 U	--	< 0.0011 U	--	--	< 0.0011 U	--	< 0.0011 U	--	< 0.0011 U
ADB-03	1a	0	N	4/18/1996	--	< 0.0011 U	< 0.0011 U	--	< 0.0011 U	--	--	< 0.0011 U	--	< 0.0011 U	--	< 0.0011 U
ADB-03	1a	5	N	4/18/1996	--	0.0098	< 0.0011 U	--	< 0.0011 U	--	--	< 0.0011 U	--	< 0.0011 U	--	< 0.0011 U
OPW-6	9	52	N	2/1/2000	< 0.005 U	< 0.005 U	< 0.005 U	--	< 0.005 U	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	--
SB-09-B	27	0	N	6/6/2004	--	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 UJ-	< 0.0062 U	--
SB-09-B	27	7	N	6/6/2004	--	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 UJ-	< 0.0054 U	--
SB-09-B	27	17	N	6/6/2004	--	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 UJ-	< 0.0055 U	--
SB-09-B	27	27	N	6/6/2004	--	< 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 UJ-	< 0.0053 U	--
SB-09-B	27	47	N	6/6/2004	--	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	--
SB-09-B	27	57	N	6/6/2004	--	< 0.0077 U	< 0.0077 U	< 0.0077 U	< 0.0077 U	< 0.0077 U	< 0.0077 U	< 0.0077 U	< 0.0077 U	< 0.0077 U	< 0.0077 U	--
SB-09-B	27	97	N	6/6/2004	--	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	--
SB-09-B	27	117	N	6/6/2004	--	< 0.0079 U	< 0.0079 U	< 0.0079 U	< 0.0079 U	< 0.0079 U	< 0.0079 U	< 0.0079 U	< 0.0079 U	< 0.0079 U	< 0.0079 U	--
SW-11/HP-5	9	5	N	2/1/2000	< 0.005 U	< 0.005 U	< 0.005 U	--	< 0.005 U	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	--
SW-7	9	5	N	2/1/2000	< 0.005 U	< 0.005 U	< 0.005 U	--	< 0.005 U	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	--
WC-TA01	39	0	N	8/1/2006	--	< 0.00016 U	< 0.00046 U	--	< 0.00039 U	--	--	< 0.00014 U	--	< 0.00011 U	--	--
WC-TB01	39	0	N	8/2/2006	--	< 0.00015 U	< 0.00045 U	--	< 0.00038 U	--	--	< 0.00013 U	--	< 0.00011 U	--	--
WC-TB02	39	0	N	8/2/2006	--	< 0.00016 U	< 0.00046 U	--	< 0.00039 U	--	--	< 0.00014 U	--	< 0.00011 U	--	--
WC-TB03	39	0	N	8/2/2006	--	< 0.00015 U	< 0.00045 U	--	< 0.00039 U	--	--	< 0.00013 U	--	< 0.00011 U	--	--
WC-TB04	39	0	N	8/2/2006	--	< 0.00015 U	< 0.00045 U	--	< 0.00038 U	--	--	< 0.00013 U	--	< 0.00011 U	--	--
WC-TD01	39	0	N	7/31/2006	--	< 0.00015 U	< 0.00045 U	--	< 0.00038 U	--	--	< 0.00013 U	--	< 0.00011 U	--	--
WC-TE01	39	0	N	7/31/2006	--	< 0.00015 U	< 0.00045 U	--	< 0.00038 U	--	--	< 0.00013 U	--	< 0.00011 U	--	--
WC-TP01	39	0	N	8/9/2006	--	--	0.0051 J+	--	0.0061 J+	--	--	--	--	--	--	--
WC-TP02	39	0	N	8/4/2006	--	< 0.0013 U	< 0.0037 U	--	< 0.0031 U	--	--	< 0.0011 U	--	< 0.00091 U	--	--
WC-TP03	39	0	N	8/4/2006	--	< 0.001 U	< 0.003 U	--	< 0.0026 U	--	--	< 0.0009 U	--	< 0.00075 U	--	--
WC-TP04	39	0	N	8/9/2006	--	--	< 0.00076 U	--	< 0.00065 U	--	--	--	--	--	--	--
WC-TP05	39	0	N	8/4/2006	--	< 0.0013 UJ	< 0.0039 U	--	< 0.0033 U	--	--	< 0.0011 UJ	--	< 0.00095 UJ	--	--
WC-TP06	39	0	N	8/4/2006	--	< 0.0012 U	< 0.0036 U	--	< 0.003 U	--	--	< 0.0011 U	--	< 0.00088 U	--	--
WC-TP07	39	0	N	8/8/2006	--	< 0.069 U	< 0.00063 U	--	< 0.00053 U	--	--	< 0.054 U	--	< 0.046 U	--	--
WC-TP08	39	0	N	8/7/2006	--	--	0.0086 J+	--	< 0.0012 U	--	--	--	--	--	--	--
WC-TP09	39	0	N	8/3/2006	--	< 0.00026 UJ	0.0013 J	--	0.00083 J	--	--	< 0.00022 UJ	--	0.00081 J-	--	--
WC-TP10	39	0	N	8/7/2006	--	< 0.00023 UJ	< 0.00068 U	--	< 0.00058 U	--	--	< 0.0002 UJ	--	< 0.00017 UJ	--	--
WC-TP11	39	0	N	8/8/2006	--	< 0.00025 UJ	< 0.00074 U	--	< 0.00063 U	--	--	< 0.00022 UJ	--	< 0.00018 UJ	--	--
WC-TP12	39	0	N	8/8/2006	--	< 0.00022 U	< 0.00065 U	--	< 0.00055 U	--	--	< 0.00019 U	--	< 0.00016 U	--	--
WC-TP13	39	0	N	8/7/2006	--	< 0.00022 U	< 0.00065 U	--	< 0.00055 U	--	--	< 0.00019 U	--	< 0.00016 U	--	--
WC-TP14	39	0	N	8/8/2006	--	< 0.00038 U	< 0.0011 U	--	< 0.00095 U	--	--	< 0.00033 U	--	< 0.00028 U	--	--
WC-TP15	39	0	N	8/7/2006	--	< 0.00094 U	< 0.0028 U	--	< 0.0023 U	--	--	< 0.00082 U	--	< 0.00068 U	--	--

TABLE B-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
TIMET PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)											
					1,2-Dibromoethane	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	2,2-Dichloropropane	2-Chloroethyl vinyl ether
WC-TP16	39	0	N	8/8/2006	--	< 0.00025 U	< 0.00072 U	--	< 0.00061 U	--	--	< 0.00021 U	--	< 0.00018 U	--	--
WC-TW01	39	0	N	8/1/2006	--	< 0.00017 U	< 0.00051 U	--	< 0.00043 U	--	--	< 0.00015 U	--	< 0.00012 U	--	--
WC-TW02	39	0	N	8/1/2006	--	< 0.00017 UJ	< 0.00049 UJ	--	< 0.00042 UJ	--	--	< 0.00015 UJ	--	< 0.00012 UJ	--	--
WC-TW03	39	0	N	8/2/2006	--	< 0.00017 U	< 0.0005 U	--	< 0.00043 U	--	--	< 0.00015 U	--	< 0.00012 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-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
TIMET PONDS SUB-AREA
(Page 5 of 12)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)											
					2-Chlorotoluene	2-Phenylbutane	4-Chlorotoluene	Acetone	Acetonitrile	Benzene	Bromobenzene	Bromodichloromethane	Bromomethane	Carbon disulfide	Carbon tetrachloride	CFC-11
ADB-02	1a	0	N	4/18/1996	--	--	--	< 0.0032 U	--	< 0.0011 U	--	< 0.0011 U	< 0.0021 U	< 0.0011 U	< 0.0011 U	< 0.0011 U
ADB-02	1a	5	N	4/18/1996	--	--	--	< 0.0033 U	--	< 0.0011 U	--	< 0.0011 U	< 0.0022 U	< 0.0011 U	< 0.0011 U	< 0.0011 U
ADB-03	1a	0	N	4/18/1996	--	--	--	< 0.0032 U	--	< 0.0011 U	--	< 0.0011 U	< 0.0021 U	< 0.0011 U	< 0.0011 U	< 0.0011 U
ADB-03	1a	5	N	4/18/1996	--	--	--	< 0.0032 U	--	< 0.0011 U	--	< 0.0011 U	< 0.0022 U	< 0.0011 U	< 0.0011 U	< 0.0011 U
OPW-6	9	52	N	2/1/2000	< 0.005 U	< 0.005 U	< 0.005 U	< 0.025 U	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U
SB-09-B	27	0	N	6/6/2004	< 0.0062 U	< 0.0062 U	< 0.0062 U	0.19	< 0.061 U	0.001 J	< 0.0062 U	< 0.0062 U	< 0.012 U	< 0.0062 U	< 0.0062 U	< 0.0062 U
SB-09-B	27	7	N	6/6/2004	< 0.0054 U	< 0.0054 U	< 0.0054 U	0.15	< 0.054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.011 U	< 0.0054 U	< 0.0054 U	< 0.0054 U
SB-09-B	27	17	N	6/6/2004	< 0.0055 U	< 0.0055 U	< 0.0055 U	0.1 J+	< 0.055 U	0.0011 J+	< 0.0055 U	< 0.0055 U	< 0.011 U	< 0.0055 U	< 0.0055 U	< 0.0055 U
SB-09-B	27	27	N	6/6/2004	< 0.0053 U	< 0.0053 U	< 0.0053 U	0.14	< 0.053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.011 U	< 0.0053 U	< 0.0053 U	< 0.0053 U
SB-09-B	27	47	N	6/6/2004	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.029 U	< 0.073 U	0.0014 J	< 0.0073 U	< 0.0073 U	< 0.015 U	< 0.0073 U	< 0.0073 U	< 0.0073 U
SB-09-B	27	57	N	6/6/2004	< 0.0077 U	< 0.0077 U	< 0.0077 U	< 0.031 U	< 0.077 U	0.0023 J	< 0.0077 U	< 0.0077 U	< 0.015 U	< 0.0077 U	< 0.0077 U	< 0.0077 U
SB-09-B	27	97	N	6/6/2004	< 0.0073 U	< 0.0073 U	< 0.0073 U	0.053	< 0.073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.015 U	< 0.0073 U	< 0.0073 U	< 0.0073 U
SB-09-B	27	117	N	6/6/2004	< 0.0079 U	< 0.0079 U	< 0.0079 U	0.18	< 0.079 U	< 0.0079 U	< 0.0079 U	< 0.0079 U	< 0.016 U	0.0068 J	< 0.0079 U	< 0.0079 U
SW-11/HP-5	9	5	N	2/1/2000	< 0.005 U	< 0.005 U	< 0.005 U	< 0.025 U	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U
SW-7	9	5	N	2/1/2000	< 0.005 U	< 0.005 U	< 0.005 U	< 0.025 U	--	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U
WC-TA01	39	0	N	8/1/2006	--	--	--	< 0.004 UJ	< 0.0021 UJ	< 0.00018 U	--	< 0.00035 U	< 0.00033 U	< 0.00058 U	< 0.00095 U	< 0.00053 U
WC-TB01	39	0	N	8/2/2006	--	--	--	< 0.0039 U	< 0.002 UJ	< 0.00017 U	--	< 0.00034 U	< 0.00032 U	< 0.00057 U	< 0.00093 U	< 0.00052 U
WC-TB02	39	0	N	8/2/2006	--	--	--	< 0.004 U	< 0.0021 UJ	< 0.00018 U	--	< 0.00035 U	< 0.00033 U	< 0.00058 U	< 0.00095 U	< 0.00053 U
WC-TB03	39	0	N	8/2/2006	--	--	--	< 0.0039 U	< 0.002 UJ	< 0.00017 U	--	< 0.00034 U	< 0.00032 U	< 0.00057 U	< 0.00093 U	< 0.00052 U
WC-TB04	39	0	N	8/2/2006	--	--	--	< 0.0039 U	< 0.002 UJ	< 0.00017 U	--	< 0.00034 U	< 0.00032 U	< 0.00057 U	< 0.00093 U	< 0.00052 U
WC-TD01	39	0	N	7/31/2006	--	--	--	< 0.0039 UJ	< 0.002 UJ	< 0.00017 U	--	< 0.00034 U	< 0.00032 U	< 0.00056 U	< 0.00092 U	< 0.00051 U
WC-TE01	39	0	N	7/31/2006	--	--	--	< 0.0039 UJ	< 0.002 UJ	< 0.00017 U	--	< 0.00034 U	< 0.00032 U	< 0.00057 U	< 0.00093 U	< 0.00052 U
WC-TP01	39	0	N	8/9/2006	--	--	--	0.57 J	0.073 J	0.0017 J+	--	0.22 J+	< 0.00051 U	0.0026 J+	0.095 J+	< 0.00083 U
WC-TP02	39	0	N	8/4/2006	--	--	--	< 0.032 U	< 0.017 UJ	< 0.0014 U	--	0.052	< 0.0026 U	< 0.0046 U	0.015 J	< 0.0042 U
WC-TP03	39	0	N	8/4/2006	--	--	--	< 0.026 U	< 0.014 UJ	< 0.0012 U	--	0.049	< 0.0022 U	< 0.0038 U	0.014 J	< 0.0035 U
WC-TP04	39	0	N	8/9/2006	--	--	--	0.61 J	0.15 J	< 0.00029 U	--	0.032 J+	< 0.00054 U	< 0.00096 U	0.045 J+	< 0.00088 U
WC-TP05	39	0	N	8/4/2006	--	--	--	< 0.034 U	< 0.017 UJ	< 0.0015 U	--	< 0.0029 U	< 0.0027 U	< 0.0048 U	0.013 J+	< 0.0044 U
WC-TP06	39	0	N	8/4/2006	--	--	--	< 0.031 U	< 0.016 UJ	< 0.0014 U	--	0.034	< 0.0025 U	< 0.0045 U	0.031 J	< 0.0041 U
WC-TP07	39	0	N	8/8/2006	--	--	--	0.22 J+	0.11 J	< 0.00024 U	--	0.0063 J+	< 0.00045 U	< 0.00079 U	0.011 J+	< 0.00072 U
WC-TP08	39	0	N	8/7/2006	--	--	--	0.47 J+	< 0.0064 UJ	< 0.00054 U	--	< 0.0011 U	< 0.001 U	< 0.0018 U	< 0.0029 U	< 0.0016 U
WC-TP09	39	0	N	8/3/2006	--	--	--	0.097	0.066 J	< 0.00029 U	--	0.032	< 0.00053 U	< 0.00094 U	0.011	< 0.00086 U
WC-TP10	39	0	N	8/7/2006	--	--	--	0.34 J+	0.03 J	< 0.00026 U	--	0.0021 J+	< 0.00048 U	< 0.00085 U	< 0.0014 U	< 0.00078 U
WC-TP11	39	0	N	8/8/2006	--	--	--	< 0.0064 U	< 0.0033 UJ	< 0.00028 U	--	< 0.00056 U	< 0.00052 U	< 0.00092 U	< 0.0015 U	< 0.00084 U
WC-TP12	39	0	N	8/8/2006	--	--	--	0.011 J+	< 0.0029 UJ	< 0.00025 U	--	0.011	< 0.00046 U	< 0.00082 U	< 0.0013 U	< 0.00075 U
WC-TP13	39	0	N	8/7/2006	--	--	--	0.31 J+	0.035 J	< 0.00025 U	--	0.0038	< 0.00046 U	< 0.00081 U	< 0.0013 U	< 0.00074 U
WC-TP14	39	0	N	8/8/2006	--	--	--	0.097 J+	< 0.005 UJ	< 0.00043 U	--	< 0.00085 U	< 0.00079 U	< 0.0014 U	< 0.0023 U	< 0.0013 U
WC-TP15	39	0	N	8/7/2006	--	--	--	1.6 J+	< 0.012 UJ	< 0.0011 U	--	< 0.0021 U	< 0.002 U	< 0.0035 U	< 0.0057 U	< 0.0032 U

TABLE B-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
TIMET PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)											
					2-Chlorotoluene	2-Phenylbutane	4-Chlorotoluene	Acetone	Acetonitrile	Benzene	Bromobenzene	Bromodichloromethane	Bromomethane	Carbon disulfide	Carbon tetrachloride	CFC-11
WC-TP16	39	0	N	8/8/2006	--	--	--	0.96 J+	0.078 J	< 0.00028 U	--	< 0.00055 U	< 0.00051 U	< 0.0009 U	< 0.0015 U	< 0.00083 U
WC-TW01	39	0	N	8/1/2006	--	--	--	0.024 J-	< 0.0023 UJ	< 0.0002 U	--	< 0.00039 U	< 0.00036 U	< 0.00064 U	< 0.001 U	< 0.00058 U
WC-TW02	39	0	N	8/1/2006	--	--	--	0.075 J-	< 0.0022 UJ	< 0.00019 UJ	--	< 0.00037 UJ	< 0.00035 UJ	< 0.00061 UJ	< 0.001 UJ	< 0.00056 UJ
WC-TW03	39	0	N	8/2/2006	--	--	--	< 0.0044 U	< 0.0023 UJ	< 0.00019 U	--	< 0.00038 U	< 0.00036 U	< 0.00063 U	< 0.001 U	< 0.00058 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-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
TIMET PONDS SUB-AREA
(Page 7 of 12)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)											
					CFC-12	Chlorinated fluorocarbon (Freon 113)	Chlorobenzene	Chlorobromomethane	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloro-propylene	Cymene	Dibromomethane
ADB-02	1a	0	N	4/18/1996	--	--	< 0.0011 U	--	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0021 U	--	--
ADB-02	1a	5	N	4/18/1996	--	--	< 0.0011 U	--	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0022 U	--	--
ADB-03	1a	0	N	4/18/1996	--	--	< 0.0011 U	--	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0021 U	--	--
ADB-03	1a	5	N	4/18/1996	--	--	< 0.0011 U	--	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0022 U	--	--
OPW-6	9	52	N	2/1/2000	< 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	--
SB-09-B	27	0	N	6/6/2004	< 0.012 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.012 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U
SB-09-B	27	7	N	6/6/2004	< 0.011 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.011 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U
SB-09-B	27	17	N	6/6/2004	< 0.011 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.011 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U
SB-09-B	27	27	N	6/6/2004	< 0.011 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.011 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U
SB-09-B	27	47	N	6/6/2004	< 0.015 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	0.0003 J	< 0.015 U	< 0.0073 UJ	< 0.0073 U	< 0.0073 U	< 0.0073 U
SB-09-B	27	57	N	6/6/2004	< 0.015 U	< 0.0077 U	< 0.0077 U	< 0.0077 U	< 0.0077 U	< 0.0077 U	< 0.0077 UJ	--	< 0.0077 UJ	< 0.0077 U	< 0.0077 U	< 0.0077 U
SB-09-B	27	97	N	6/6/2004	< 0.015 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 UJ	< 0.015 U	< 0.0073 UJ	< 0.0073 U	< 0.0073 U	< 0.0073 U
SB-09-B	27	117	N	6/6/2004	< 0.016 U	< 0.0079 U	< 0.0079 U	< 0.0079 U	< 0.0079 U	< 0.0079 U	< 0.0079 UJ	< 0.016 U	< 0.0079 UJ	< 0.0079 U	< 0.0079 U	< 0.0079 U
SW-11/HP-5	9	5	N	2/1/2000	< 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	--
SW-7	9	5	N	2/1/2000	< 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	--
WC-TA01	39	0	N	8/1/2006	< 0.00039 UJ	< 0.00056 U	< 0.00013 U	--	< 0.0003 U	< 0.00037 U	< 0.00015 U	< 0.00047 U	--	< 0.00077 U	--	< 0.00037 U
WC-TB01	39	0	N	8/2/2006	< 0.00038 U	< 0.00055 U	< 0.00013 U	--	< 0.0003 U	< 0.00036 U	< 0.00015 U	< 0.00046 U	--	< 0.00075 U	--	< 0.00036 U
WC-TB02	39	0	N	8/2/2006	< 0.00039 U	< 0.00056 U	< 0.00013 U	--	< 0.0003 U	< 0.00037 U	< 0.00015 U	< 0.00047 U	--	< 0.00076 U	--	< 0.00037 U
WC-TB03	39	0	N	8/2/2006	< 0.00039 U	< 0.00055 U	< 0.00013 U	--	< 0.0003 U	< 0.00036 U	< 0.00015 U	< 0.00046 U	--	< 0.00075 U	--	< 0.00036 U
WC-TB04	39	0	N	8/2/2006	< 0.00039 U	< 0.00055 U	< 0.00013 U	--	< 0.0003 U	< 0.00036 U	< 0.00015 U	< 0.00046 U	--	< 0.00075 U	--	< 0.00036 U
WC-TD01	39	0	N	7/31/2006	< 0.00038 UJ	< 0.00055 U	< 0.00013 U	--	< 0.00029 U	< 0.00036 U	< 0.00015 U	< 0.00045 U	--	< 0.00074 U	--	< 0.00036 U
WC-TE01	39	0	N	7/31/2006	< 0.00038 UJ	< 0.00055 U	< 0.00013 U	--	< 0.0003 U	< 0.00036 U	< 0.00015 U	< 0.00046 U	--	< 0.00075 U	--	< 0.00036 U
WC-TP01	39	0	N	8/9/2006	< 0.00061 U	< 0.00088 U	< 0.0002 UJ	--	0.2 J	< 0.00058 U	4.1	0.0059 J+	--	< 0.0012 U	--	< 0.00058 U
WC-TP02	39	0	N	8/4/2006	< 0.0031 UJ	< 0.0009 U	< 0.001 U	--	0.069	< 0.0029 U	0.62	< 0.0037 U	--	< 0.0061 U	--	< 0.0029 U
WC-TP03	39	0	N	8/4/2006	< 0.0026 UJ	< 0.00074 U	< 0.00086 U	--	0.041	< 0.0024 U	0.46	< 0.0031 U	--	< 0.0051 U	--	< 0.0024 U
WC-TP04	39	0	N	8/9/2006	< 0.00065 U	< 0.00093 U	< 0.00022 UJ	--	0.033 J	0.02 J+	3.3 J-	0.029 J+	--	< 0.0013 U	--	< 0.00061 U
WC-TP05	39	0	N	8/4/2006	< 0.0033 UJ	< 0.00094 U	< 0.0011 U	--	< 0.0025 U	< 0.0031 U	0.72	< 0.0039 U	--	< 0.0064 U	--	< 0.0031 U
WC-TP06	39	0	N	8/4/2006	< 0.00061 UJ	< 0.00087 U	< 0.001 U	--	< 0.00047 U	< 0.0029 U	0.83	< 0.0036 U	--	< 0.0059 U	--	< 0.0029 U
WC-TP07	39	0	N	8/8/2006	< 0.00054 U	< 0.00077 U	< 0.00018 UJ	--	< 0.00041 UJ	< 0.0005 U	0.75	0.015 J+	--	< 0.001 U	--	< 0.0005 U
WC-TP08	39	0	N	8/7/2006	< 0.0012 U	< 0.0017 U	< 0.0004 UJ	--	< 0.00093 UJ	0.04 J+	0.033 J+	0.036 J+	--	< 0.0023 U	--	< 0.0011 U
WC-TP09	39	0	N	8/3/2006	< 0.00064 UJ	< 0.00092 U	< 0.00021 UJ	--	0.0099 J-	< 0.0006 U	0.89	< 0.00076 U	--	< 0.0012 U	--	< 0.0006 U
WC-TP10	39	0	N	8/7/2006	< 0.00058 U	< 0.00082 U	< 0.00019 U	--	0.0012 J+	< 0.00054 U	0.15 J+	< 0.00068 U	--	< 0.0011 U	--	< 0.00054 U
WC-TP11	39	0	N	8/8/2006	< 0.00063 U	< 0.0009 U	< 0.00021 U	--	< 0.00048 U	< 0.00059 U	0.037	< 0.00075 U	--	< 0.0012 U	--	< 0.00059 U
WC-TP12	39	0	N	8/8/2006	< 0.00056 U	< 0.0008 U	< 0.00018 U	--	0.011	< 0.00052 U	0.0072 J	0.0064 J	--	< 0.0011 U	--	< 0.00052 U
WC-TP13	39	0	N	8/7/2006	< 0.00055 U	< 0.00079 U	< 0.00018 U	--	< 0.00042 U	< 0.00052 U	0.035	< 0.00065 U	--	< 0.0011 U	--	< 0.00052 U
WC-TP14	39	0	N	8/8/2006	< 0.00095 U	< 0.0014 U	< 0.00032 U	--	< 0.00073 U	< 0.00089 U	0.0014 J	< 0.0011 U	--	< 0.0019 U	--	< 0.00089 U
WC-TP15	39	0	N	8/7/2006	< 0.0024 UJ	< 0.00067 U	< 0.00078 U	--	< 0.0018 U	< 0.0022 U	0.1	< 0.0028 U	--	< 0.0046 U	--	< 0.0022 U

TABLE B-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
TIMET PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)											
					CFC-12	Chlorinated fluorocarbon (Freon 113)	Chlorobenzene	Chlorobromomethane	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloro-propylene	Cymene	Dibromomethane
WC-TP16	39	0	N	8/8/2006	< 0.00061 U	< 0.00088 U	< 0.0002 U	--	< 0.00047 U	< 0.00058 U	0.016	0.0038 J	--	< 0.0012 U	--	< 0.00058 U
WC-TW01	39	0	N	8/1/2006	< 0.00043 UJ	< 0.00062 U	< 0.00014 U	--	< 0.00033 U	< 0.00041 U	0.016	< 0.00051 U	--	< 0.00084 U	--	< 0.00041 U
WC-TW02	39	0	N	8/1/2006	< 0.00042 UJ	< 0.0006 UJ	< 0.00014 UJ	--	< 0.00032 UJ	< 0.00039 UJ	0.0027 J-	< 0.0005 UJ	--	< 0.00081 UJ	--	< 0.00039 UJ
WC-TW03	39	0	N	8/2/2006	< 0.00043 U	< 0.00062 U	< 0.00014 U	--	< 0.00033 U	< 0.0004 U	< 0.00016 U	< 0.00051 U	--	< 0.00084 U	--	< 0.0004 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-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
TIMET PONDS SUB-AREA
(Page 9 of 12)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)											
					Dichloromethane	Ethylbenzene	Isopropylbenzene	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-Propyl benzene
ADB-02	1a	0	N	4/18/1996	< 0.0011 U	< 0.0011 U	--	< 0.0021 U	--	< 0.0021 U	--	< 0.0053 U	< 0.0032 U	--	--	--
ADB-02	1a	5	N	4/18/1996	< 0.0011 U	< 0.0011 U	--	< 0.0022 U	--	< 0.0022 U	--	< 0.0054 U	< 0.0033 U	--	--	--
ADB-03	1a	0	N	4/18/1996	< 0.0011 U	< 0.0011 U	--	< 0.0021 U	--	< 0.0021 U	--	< 0.0053 U	< 0.0032 U	--	--	--
ADB-03	1a	5	N	4/18/1996	< 0.0011 U	< 0.0011 U	--	< 0.0022 U	--	< 0.0022 U	--	< 0.0054 U	< 0.0032 U	--	--	--
OPW-6	9	52	N	2/1/2000	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	--	< 0.025 U	< 0.005 U	< 0.025 U	< 0.025 U	< 0.005 U	< 0.005 U	< 0.005 U
SB-09-B	27	0	N	6/6/2004	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.025 U	< 0.0062 U	< 0.025 U	--	< 0.0062 U	< 0.0062 U	< 0.0062 UJ-
SB-09-B	27	7	N	6/6/2004	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.022 U	< 0.0054 U	< 0.022 U	--	< 0.0054 U	< 0.0054 U	< 0.0054 UJ-
SB-09-B	27	17	N	6/6/2004	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.022 U	< 0.0055 U	< 0.022 U	--	< 0.0055 U	< 0.0055 U	< 0.0055 UJ-
SB-09-B	27	27	N	6/6/2004	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.021 U	< 0.0053 U	< 0.021 U	--	< 0.0053 U	< 0.0053 U	< 0.0053 UJ-
SB-09-B	27	47	N	6/6/2004	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.029 UJ	< 0.0073 U	< 0.029 UJ	--	< 0.0073 U	< 0.0073 U	< 0.0073 U
SB-09-B	27	57	N	6/6/2004	< 0.0077 U	< 0.0077 U	< 0.0077 U	< 0.0077 U	< 0.0077 U	< 0.031 UJ	< 0.0077 U	< 0.031 UJ	--	< 0.0077 U	< 0.0077 U	< 0.0077 U
SB-09-B	27	97	N	6/6/2004	--	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.029 UJ	< 0.0073 U	< 0.029 UJ	--	< 0.0073 U	< 0.0073 U	< 0.0073 U
SB-09-B	27	117	N	6/6/2004	< 0.0079 U	< 0.0079 U	< 0.0079 U	< 0.0079 U	< 0.0079 U	< 0.031 UJ	< 0.0079 U	< 0.031 UJ	--	< 0.0079 U	< 0.0079 U	< 0.0079 U
SW-11/HP-5	9	5	N	2/1/2000	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	--	< 0.025 U	< 0.005 U	< 0.025 U	< 0.025 U	< 0.005 U	< 0.005 U	< 0.005 U
SW-7	9	5	N	2/1/2000	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	--	< 0.025 U	< 0.005 U	< 0.025 U	< 0.025 U	< 0.005 U	< 0.005 U	< 0.005 U
WC-TA01	39	0	N	8/1/2006	< 0.0026 UJ	< 0.0002 U	--	--	--	< 0.0014 U	< 0.00027 U	< 0.0017 U	--	--	--	--
WC-TB01	39	0	N	8/2/2006	< 0.0026 U	< 0.00019 U	--	--	--	< 0.0014 U	< 0.00026 U	< 0.0017 U	--	--	--	--
WC-TB02	39	0	N	8/2/2006	< 0.0026 U	< 0.0002 U	--	--	--	< 0.0014 U	< 0.00027 U	< 0.0017 U	--	--	--	--
WC-TB03	39	0	N	8/2/2006	< 0.0026 U	< 0.00019 U	--	--	--	< 0.0014 U	< 0.00027 U	< 0.0017 U	--	--	--	--
WC-TB04	39	0	N	8/2/2006	< 0.0026 U	< 0.00019 U	--	--	--	< 0.0014 U	< 0.00026 U	< 0.0017 U	--	--	--	--
WC-TD01	39	0	N	7/31/2006	< 0.0026 UJ	< 0.00019 U	--	--	--	< 0.0014 U	< 0.00026 U	< 0.0016 U	--	--	--	--
WC-TE01	39	0	N	7/31/2006	< 0.0026 UJ	< 0.00019 U	--	--	--	< 0.0014 U	< 0.00026 U	< 0.0017 U	--	--	--	--
WC-TP01	39	0	N	8/9/2006	< 0.0041 U	< 0.00031 UJ	--	--	--	0.059 J+	< 0.00042 U	< 0.0026 U	--	--	--	--
WC-TP02	39	0	N	8/4/2006	< 0.021 U	< 0.0016 U	--	--	--	< 0.011 U	< 0.0022 U	< 0.014 U	--	--	--	--
WC-TP03	39	0	N	8/4/2006	< 0.017 U	< 0.0013 U	--	--	--	< 0.0095 U	< 0.0018 U	< 0.011 U	--	--	--	--
WC-TP04	39	0	N	8/9/2006	< 0.0044 U	< 0.00032 UJ	--	--	--	< 0.0024 U	< 0.00045 U	< 0.0028 U	--	--	--	--
WC-TP05	39	0	N	8/4/2006	< 0.022 UJ	< 0.0016 U	--	--	--	< 0.012 U	< 0.0023 U	< 0.014 U	--	--	--	--
WC-TP06	39	0	N	8/4/2006	< 0.02 U	< 0.0015 U	--	--	--	< 0.011 U	< 0.0021 U	< 0.013 U	--	--	--	--
WC-TP07	39	0	N	8/8/2006	0.0065 J+	< 0.00027 UJ	--	--	--	0.037 J+	< 0.00037 U	< 0.0023 U	--	--	--	--
WC-TP08	39	0	N	8/7/2006	< 0.008 U	< 0.0006 UJ	--	--	--	0.12 J+	< 0.00083 U	< 0.0052 U	--	--	--	--
WC-TP09	39	0	N	8/3/2006	< 0.0043 U	< 0.00032 UJ	--	--	--	0.011 J	< 0.00044 U	< 0.0028 U	--	--	--	--
WC-TP10	39	0	N	8/7/2006	< 0.0039 U	< 0.00029 U	--	--	--	0.014 J+	< 0.0004 U	< 0.0025 U	--	--	--	--
WC-TP11	39	0	N	8/8/2006	< 0.0042 U	< 0.00031 U	--	--	--	< 0.0023 U	< 0.00043 U	< 0.0027 U	--	--	--	--
WC-TP12	39	0	N	8/8/2006	< 0.0037 U	< 0.00028 U	--	--	--	< 0.002 U	< 0.00038 U	< 0.0024 U	--	--	--	--
WC-TP13	39	0	N	8/7/2006	< 0.0037 U	< 0.00027 U	--	--	--	0.011 J	< 0.00038 U	< 0.0024 U	--	--	--	--
WC-TP14	39	0	N	8/8/2006	< 0.0064 U	< 0.00047 U	--	--	--	0.019 J	< 0.00065 U	< 0.0041 U	--	--	--	--
WC-TP15	39	0	N	8/7/2006	< 0.016 U	< 0.0012 U	--	--	--	< 0.0086 U	< 0.0016 U	< 0.01 U	--	--	--	--

TABLE B-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
TIMET PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)											
					Dichloromethane	Ethylbenzene	Isopropylbenzene	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-Propyl benzene
WC-TP16	39	0	N	8/8/2006	< 0.0041 U	< 0.00031 U	--	--	--	0.016 J	< 0.00042 U	< 0.0026 U	--	--	--	--
WC-TW01	39	0	N	8/1/2006	< 0.0029 UJ	< 0.00021 U	--	--	--	< 0.0016 U	< 0.0003 U	< 0.0019 U	--	--	--	--
WC-TW02	39	0	N	8/1/2006	< 0.0028 UJ	< 0.00021 UJ	--	--	--	0.0096 J-	< 0.00029 UJ	< 0.0018 UJ	--	--	--	--
WC-TW03	39	0	N	8/2/2006	< 0.0029 U	< 0.00021 U	--	--	--	< 0.0016 U	< 0.0003 U	< 0.0019 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-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
TIMET PONDS SUB-AREA
(Page 11 of 12)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)											
					o-Xylene	Styrene (monomer)	tert-Butyl benzene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	trans-1,3-Dichloropropylene	Tribromomethane	Trichloroethylene	Vinyl acetate	Vinyl chloride	Xylenes (total)
ADB-02	1a	0	N	4/18/1996	< 0.0011 U	< 0.0011 U	--	< 0.0011 U	< 0.0021 U	< 0.0011 U	< 0.0021 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0021 U	--
ADB-02	1a	5	N	4/18/1996	< 0.0011 U	< 0.0011 U	--	< 0.0011 U	< 0.0022 U	< 0.0011 U	< 0.0022 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0022 U	--
ADB-03	1a	0	N	4/18/1996	< 0.0011 U	< 0.0011 U	--	< 0.0011 U	< 0.0021 U	< 0.0011 U	< 0.0021 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0021 U	--
ADB-03	1a	5	N	4/18/1996	< 0.0011 U	< 0.0011 U	--	< 0.0011 U	< 0.0022 U	< 0.0011 U	< 0.0022 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0022 U	--
OPW-6	9	52	N	2/1/2000	< 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	--
SB-09-B	27	0	N	6/6/2004	< 0.0062 U	< 0.0062 U	< 0.0062 UJ-	0.0019 J	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	0.00084 J	< 0.0062 U	< 0.0062 U	< 0.012 U
SB-09-B	27	7	N	6/6/2004	< 0.0054 U	< 0.0054 U	< 0.0054 UJ-	0.00083 J	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	0.00025 J	< 0.0054 U	< 0.0054 U	< 0.011 U
SB-09-B	27	17	N	6/6/2004	< 0.0055 U	< 0.0055 U	< 0.0055 UJ-	0.0015 J+	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	0.00056 J+	< 0.0055 U	< 0.0055 U	< 0.011 U
SB-09-B	27	27	N	6/6/2004	< 0.0053 U	< 0.0053 U	< 0.0053 UJ-	0.0014 J	0.00081 J	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.011 U
SB-09-B	27	47	N	6/6/2004	< 0.0073 U	< 0.0073 U	< 0.0073 U	0.00062 J	0.0013 J	< 0.0073 U	< 0.0073 U	< 0.0073 U	0.00033 J	< 0.0073 U	< 0.0073 U	< 0.015 U
SB-09-B	27	57	N	6/6/2004	< 0.0077 U	< 0.0077 U	< 0.0077 U	0.00073 J	0.0018 J	< 0.0077 U	< 0.0077 U	< 0.0077 U	0.00037 J	< 0.0077 U	< 0.0077 U	< 0.015 U
SB-09-B	27	97	N	6/6/2004	< 0.0073 U	< 0.0073 U	< 0.0073 U	0.00075 J	< 0.0073 U	< 0.0073 U	< 0.0073 U	< 0.0073 U	0.00059 J	< 0.0073 U	< 0.0073 U	< 0.015 U
SB-09-B	27	117	N	6/6/2004	< 0.0079 U	< 0.0079 U	< 0.0079 U	0.00072 J	< 0.0079 U	< 0.0079 U	< 0.0079 U	< 0.0079 U	0.00037 J	< 0.0079 U	< 0.0079 U	< 0.016 U
SW-11/HP-5	9	5	N	2/1/2000	< 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	--
SW-7	9	5	N	2/1/2000	< 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	--
WC-TA01	39	0	N	8/1/2006	--	--	--	< 0.00029 U	< 0.00014 U	< 0.00023 U	< 0.00021 U	< 0.00026 U	< 0.00038 U	--	< 0.00025 U	< 0.0009 U
WC-TB01	39	0	N	8/2/2006	--	--	--	< 0.00028 U	< 0.00013 U	< 0.00023 U	< 0.00021 U	< 0.00025 U	< 0.00037 U	--	< 0.00024 U	< 0.00088 U
WC-TB02	39	0	N	8/2/2006	--	--	--	< 0.00029 U	< 0.00014 U	< 0.00023 U	< 0.00021 U	< 0.00026 U	< 0.00038 U	--	< 0.00025 U	< 0.0009 U
WC-TB03	39	0	N	8/2/2006	--	--	--	< 0.00028 U	< 0.00014 U	< 0.00023 U	< 0.00021 U	< 0.00025 U	0.00074 J	--	< 0.00024 U	< 0.00088 U
WC-TB04	39	0	N	8/2/2006	--	--	--	< 0.00028 U	< 0.00013 U	< 0.00023 U	< 0.00021 U	< 0.00025 U	0.0017 J	--	< 0.00024 U	< 0.00088 U
WC-TD01	39	0	N	7/31/2006	--	--	--	< 0.00028 U	< 0.00013 U	< 0.00023 U	< 0.00021 U	< 0.00025 U	< 0.00037 U	--	< 0.00024 U	< 0.00088 U
WC-TE01	39	0	N	7/31/2006	--	--	--	< 0.00028 U	< 0.00013 U	< 0.00023 U	< 0.00021 U	< 0.00025 U	< 0.00037 U	--	< 0.00024 U	< 0.00088 U
WC-TP01	39	0	N	8/9/2006	--	--	--	0.0066 J	0.0082 J	< 0.00036 U	< 0.00033 UJ	0.13 J	< 0.00059 U	--	< 0.00039 U	0.007 J
WC-TP02	39	0	N	8/4/2006	--	--	--	< 0.0023 U	< 0.0011 U	< 0.0019 U	< 0.0017 U	0.14	< 0.003 U	--	< 0.002 U	< 0.0072 U
WC-TP03	39	0	N	8/4/2006	--	--	--	0.0025 J	< 0.00091 U	< 0.0015 U	< 0.0014 U	0.063	< 0.0025 U	--	< 0.0016 U	< 0.0059 U
WC-TP04	39	0	N	8/9/2006	--	--	--	0.0035 J	< 0.00023 UJ	< 0.00039 U	< 0.00035 UJ	0.012 J	< 0.00062 U	--	< 0.00041 U	< 0.0015 UJ
WC-TP05	39	0	N	8/4/2006	--	--	--	< 0.0024 U	< 0.0012 U	< 0.0019 U	< 0.0018 U	< 0.0021 U	< 0.0032 U	--	< 0.0021 U	< 0.0075 U
WC-TP06	39	0	N	8/4/2006	--	--	--	< 0.0022 U	< 0.0011 U	< 0.0018 U	< 0.0016 U	< 0.002 U	< 0.0029 U	--	< 0.0019 U	< 0.007 U
WC-TP07	39	0	N	8/8/2006	--	--	--	< 0.00039 UJ	< 0.00019 UJ	< 0.00032 U	< 0.00029 UJ	< 0.00035 UJ	0.001 J+	--	< 0.00034 U	< 0.0012 UJ
WC-TP08	39	0	N	8/7/2006	--	--	--	0.014 J	< 0.00042 UJ	< 0.00071 U	< 0.00065 UJ	< 0.00078 UJ	< 0.0012 U	--	< 0.00076 U	< 0.0028 UJ
WC-TP09	39	0	N	8/3/2006	--	--	--	0.0042 J-	< 0.00022 UJ	< 0.00038 U	< 0.00035 UJ	< 0.00042 UJ	< 0.00061 U	--	< 0.00041 U	< 0.0015 UJ
WC-TP10	39	0	N	8/7/2006	--	--	--	0.0022 J+	< 0.0002 U	< 0.00034 U	< 0.00031 U	< 0.00038 U	< 0.00055 U	--	< 0.00037 U	< 0.0013 U
WC-TP11	39	0	N	8/8/2006	--	--	--	< 0.00046 U	< 0.00022 U	< 0.00037 U	< 0.00034 U	< 0.00041 U	< 0.0006 U	--	< 0.0004 U	< 0.0014 U
WC-TP12	39	0	N	8/8/2006	--	--	--	< 0.00041 U	< 0.00019 U	< 0.00033 U	< 0.0003 U	0.012	< 0.00053 U	--	< 0.00035 U	< 0.0013 U
WC-TP13	39	0	N	8/7/2006	--	--	--	< 0.0004 U	< 0.00019 U	< 0.00033 U	< 0.0003 U	0.002 J	< 0.00053 U	--	< 0.00035 U	< 0.0013 U
WC-TP14	39	0	N	8/8/2006	--	--	--	< 0.0007 U	< 0.00033 U	< 0.00056 U	< 0.00051 U	< 0.00062 U	< 0.00091 U	--	< 0.0006 U	< 0.0022 U
WC-TP15	39	0	N	8/7/2006	--	--	--	< 0.0017 U	< 0.00082 U	< 0.0014 U	< 0.0013 U	< 0.0015 U	< 0.0023 U	--	< 0.0015 U	< 0.0054 U

TABLE B-3
SOIL VOLATILE ORGANIC COMPOUNDS (VOCs) DATA
TIMET PONDS SUB-AREA
(Page 12 of 12)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)											
					o-Xylene	Styrene (monomer)	tert-Butyl benzene	Tetrachloroethylene	Toluene	trans-1,2-Dichloro-ethylene	trans-1,3-Dichloro-propylene	Tribromomethane	Trichloroethylene	Vinyl acetate	Vinyl chloride	Xylenes (total)
WC-TP16	39	0	N	8/8/2006	--	--	--	< 0.00045 U	< 0.00022 U	< 0.00036 U	< 0.00033 U	< 0.0004 U	< 0.00059 U	--	< 0.00039 U	< 0.0014 U
WC-TW01	39	0	N	8/1/2006	--	--	--	< 0.00032 U	< 0.00015 U	< 0.00026 U	< 0.00023 U	< 0.00028 U	< 0.00041 U	--	< 0.00027 U	< 0.00099 U
WC-TW02	39	0	N	8/1/2006	--	--	--	< 0.00031 UJ	< 0.00015 UJ	< 0.00025 UJ	< 0.00023 UJ	< 0.00027 UJ	< 0.0004 UJ	--	< 0.00026 UJ	< 0.00096 UJ
WC-TW03	39	0	N	8/2/2006	--	--	--	< 0.00032 U	< 0.00015 U	< 0.00025 U	< 0.00023 U	< 0.00028 U	< 0.00041 U	--	< 0.00027 U	< 0.00099 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-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
TIMET 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	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene
ADB-02	1a	0	N	4/18/1996	--	--	--	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 3.4 U	< 0.67 U	< 0.67 U
ADB-02	1a	5	N	4/18/1996	--	--	--	< 0.72 U	< 0.72 U	< 0.72 U	< 0.72 U	< 3.6 U	< 0.72 U	< 0.72 U
ADB-03	1a	0	N	4/18/1996	--	--	--	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 3.5 U	< 0.7 U	< 0.7 U
OPW-6	9	52	N	2/1/2000	--	--	--	--	--	--	--	--	--	--
SB-09-B	27	0	N	6/6/2004	< 0.35 U	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 1.7 U	< 0.35 U	< 0.35 U
SB-09-B	27	7	N	6/6/2004	< 0.35 U	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 1.7 U	< 0.35 U	< 0.35 U
SB-09-B	27	17	N	6/6/2004	< 0.36 U	--	--	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 1.8 U	< 0.36 U	< 0.36 U
SB-09-B	27	27	N	6/6/2004	< 0.35 U	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 1.7 U	< 0.35 U	< 0.35 U
SB-09-B	27	47	N	6/6/2004	< 0.48 U	--	--	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 2.3 U	< 0.48 U	< 0.48 U
SB-09-B	27	57	N	6/6/2004	< 0.51 U	--	--	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U	< 2.5 U	< 0.51 U	< 0.51 U
SB-09-B	27	97	N	6/6/2004	< 0.48 U	--	--	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 2.3 U	< 0.48 U	< 0.48 U
SB-09-B	27	117	N	6/6/2004	< 0.52 U	--	--	< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U	< 2.5 U	< 0.52 U	< 0.52 U
SW-11/HP-5	9	5	N	2/1/2000	--	--	--	--	--	--	--	--	--	--
SW-7	9	5	N	2/1/2000	--	--	--	--	--	--	--	--	--	--
WC-TA01	39	0	N	8/1/2006	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.35 UJ	< 0.035 U	< 0.035 U
WC-TB01	39	0	N	8/2/2006	< 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
WC-TB02	39	0	N	8/2/2006	< 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
WC-TB03	39	0	N	8/2/2006	< 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
WC-TB04	39	0	N	8/2/2006	< 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
WC-TD01	39	0	N	7/31/2006	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.34 UJ	< 0.034 U	< 0.034 U
WC-TE01	39	0	N	7/31/2006	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.34 UJ	< 0.034 U	< 0.034 U
WC-TP01	39	0	N	8/9/2006	< 0.055 U	--	< 0.055 U	< 0.055 U	< 0.055 U	< 0.055 U	< 0.055 U	< 0.54 U	< 0.055 U	< 0.055 U
WC-TP02	39	0	N	8/4/2006	< 0.056 U	--	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U	< 0.55 U	< 0.056 U	< 0.056 U
WC-TP03	39	0	N	8/4/2006	< 0.046 U	--	< 0.046 U	< 0.046 U	< 0.046 U	< 0.046 U	< 0.046 U	< 0.46 U	< 0.046 U	< 0.046 U
WC-TP04	39	0	N	8/9/2006	< 0.058 U	--	< 0.058 U	< 0.058 U	< 0.058 U	< 0.058 U	< 0.058 U	< 0.58 U	< 0.058 U	< 0.058 U
WC-TP05	39	0	N	8/4/2006	< 0.059 U	--	< 0.059 U	< 0.059 U	< 0.059 U	< 0.059 U	< 0.059 U	< 0.58 U	< 0.059 U	< 0.059 U
WC-TP06	39	0	N	8/4/2006	< 0.054 U	--	< 0.054 U	< 0.054 U	< 0.054 U	< 0.054 U	< 0.054 U	< 0.54 U	< 0.054 U	< 0.054 U
WC-TP07	39	0	N	8/8/2006	< 0.048 U	--	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.47 U	< 0.048 U	< 0.048 U
WC-TP08	39	0	N	8/7/2006	< 0.11 U	--	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 1.1 U	< 0.11 U	< 0.11 U
WC-TP09	39	0	N	8/3/2006	< 0.057 U	--	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.56 U	< 0.057 U	< 0.057 U
WC-TP10	39	0	N	8/7/2006	< 0.051 U	--	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.51 U	< 0.051 U	< 0.051 U
WC-TP11	39	0	N	8/8/2006	< 0.056 U	--	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U	< 0.55 U	< 0.056 U	< 0.056 U
WC-TP12	39	0	N	8/8/2006	< 0.05 U	--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.49 U	< 0.05 U	< 0.05 U
WC-TP13	39	0	N	8/7/2006	< 0.049 U	--	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.49 U	< 0.049 U	< 0.049 U
WC-TP14	39	0	N	8/8/2006	< 0.085 U	--	< 0.085 U	< 0.085 U	< 0.085 U	< 0.085 U	< 0.085 U	< 0.84 U	< 0.085 U	< 0.085 U
WC-TP15	39	0	N	8/7/2006	< 0.042 U	--	< 0.042 U	< 0.042 UJ	< 0.042 UJ	< 0.042 UJ	< 0.042 UJ	< 0.42 UJ	< 0.042 U	< 0.042 U
WC-TP16	39	0	N	8/8/2006	< 0.055 U	--	< 0.055 U	< 0.055 U	< 0.055 U	< 0.055 U	< 0.055 U	< 0.54 U	< 0.055 U	< 0.055 U

TABLE B-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
TIMET 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	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene
WC-TW01	39	0	N	8/1/2006	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.38 UJ	< 0.038 U	< 0.038 U
WC-TW02	39	0	N	8/1/2006	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.37 UJ	< 0.037 U	< 0.037 U
WC-TW03	39	0	N	8/2/2006	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.38 U	< 0.038 U	< 0.038 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-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
TIMET PONDS SUB-AREA
(Page 3 of 14)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)									
					2-Chloronaphthalene	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
ADB-02	1a	0	N	4/18/1996	< 0.67 U	< 0.67 U	< 0.67 U	< 3.4 U	< 0.67 U	< 1.3 U	--	< 3.4 U	< 3.4 U	< 0.67 U
ADB-02	1a	5	N	4/18/1996	< 0.72 U	< 0.72 U	< 0.72 U	< 3.6 U	< 0.72 U	< 1.4 U	--	< 3.6 U	< 3.6 U	< 0.72 U
ADB-03	1a	0	N	4/18/1996	< 0.7 U	< 0.7 U	< 0.7 U	< 3.5 U	< 0.7 U	< 1.4 U	--	< 3.5 U	< 3.5 U	< 0.7 U
OPW-6	9	52	N	2/1/2000	--	--	--	--	--	--	--	--	--	--
SB-09-B	27	0	N	6/6/2004	< 0.35 U	< 0.35 U	< 0.35 U	< 1.7 U	< 0.35 U	< 1.7 U	< 0.7 U	< 1.7 U	--	< 0.35 U
SB-09-B	27	7	N	6/6/2004	< 0.35 U	< 0.35 U	< 0.35 U	< 1.7 U	< 0.35 U	< 1.7 U	< 0.7 U	< 1.7 U	--	< 0.35 U
SB-09-B	27	17	N	6/6/2004	< 0.36 U	< 0.36 U	< 0.36 U	< 1.8 U	< 0.36 U	< 1.8 U	< 0.72 U	< 1.8 U	--	< 0.36 U
SB-09-B	27	27	N	6/6/2004	< 0.35 U	< 0.35 U	< 0.35 U	< 1.7 U	< 0.35 U	< 1.7 U	< 0.7 U	< 1.7 U	--	< 0.35 U
SB-09-B	27	47	N	6/6/2004	< 0.48 U	< 0.48 U	< 0.48 U	< 2.3 U	< 0.48 U	< 2.3 U	< 0.97 U	< 2.3 U	--	< 0.48 U
SB-09-B	27	57	N	6/6/2004	< 0.51 U	< 0.51 U	< 0.51 U	< 2.5 U	< 0.51 U	< 2.5 U	< 1 U	< 2.5 U	--	< 0.51 U
SB-09-B	27	97	N	6/6/2004	< 0.48 U	< 0.48 U	< 0.48 U	< 2.3 U	< 0.48 U	< 2.3 U	< 0.97 U	< 2.3 U	--	< 0.48 U
SB-09-B	27	117	N	6/6/2004	< 0.52 U	< 0.52 U	< 0.52 U	< 2.5 U	< 0.52 U	< 2.5 U	< 1 U	< 2.5 U	--	< 0.52 U
SW-11/HP-5	9	5	N	2/1/2000	--	--	--	--	--	--	--	--	--	--
SW-7	9	5	N	2/1/2000	--	--	--	--	--	--	--	--	--	--
WC-TA01	39	0	N	8/1/2006	< 0.035 U	< 0.035 U	--	< 0.035 U	< 0.035 U	--	< 0.07 U	--	--	< 0.035 U
WC-TB01	39	0	N	8/2/2006	< 0.034 U	< 0.034 U	--	< 0.034 U	< 0.034 U	--	< 0.068 U	--	--	< 0.034 U
WC-TB02	39	0	N	8/2/2006	< 0.035 U	< 0.035 U	--	< 0.035 U	< 0.035 U	--	< 0.07 U	--	--	< 0.035 U
WC-TB03	39	0	N	8/2/2006	< 0.034 U	< 0.034 U	--	< 0.034 U	< 0.034 U	--	< 0.069 U	--	--	< 0.034 U
WC-TB04	39	0	N	8/2/2006	< 0.034 U	< 0.034 U	--	< 0.034 U	< 0.034 U	--	< 0.069 U	--	--	< 0.034 U
WC-TD01	39	0	N	7/31/2006	< 0.034 U	< 0.034 U	--	< 0.034 U	< 0.034 U	--	< 0.068 U	--	--	< 0.034 U
WC-TE01	39	0	N	7/31/2006	< 0.034 U	< 0.034 U	--	< 0.034 U	< 0.034 U	--	< 0.068 U	--	--	< 0.034 U
WC-TP01	39	0	N	8/9/2006	< 0.055 U	< 0.055 U	--	< 0.055 U	< 0.055 U	--	< 0.11 U	--	--	< 0.055 U
WC-TP02	39	0	N	8/4/2006	< 0.056 U	< 0.056 U	--	< 0.056 U	< 0.056 U	--	< 0.11 U	--	--	< 0.056 U
WC-TP03	39	0	N	8/4/2006	< 0.046 U	< 0.046 U	--	< 0.046 U	< 0.046 U	--	< 0.092 U	--	--	< 0.046 U
WC-TP04	39	0	N	8/9/2006	< 0.058 U	< 0.058 U	--	< 0.058 U	< 0.058 U	--	< 0.12 U	--	--	< 0.058 U
WC-TP05	39	0	N	8/4/2006	< 0.059 U	< 0.059 U	--	< 0.059 U	< 0.059 U	--	< 0.12 U	--	--	< 0.059 U
WC-TP06	39	0	N	8/4/2006	< 0.054 U	< 0.054 U	--	< 0.054 U	< 0.054 U	--	< 0.11 U	--	--	< 0.054 U
WC-TP07	39	0	N	8/8/2006	< 0.048 U	< 0.048 U	--	< 0.048 U	< 0.048 U	--	< 0.095 U	--	--	< 0.048 U
WC-TP08	39	0	N	8/7/2006	< 0.11 U	< 0.11 U	--	< 0.11 U	< 0.11 U	--	< 0.21 U	--	--	< 0.11 U
WC-TP09	39	0	N	8/3/2006	< 0.057 U	< 0.057 U	--	< 0.057 U	< 0.057 U	--	< 0.11 U	--	--	< 0.057 U
WC-TP10	39	0	N	8/7/2006	< 0.051 U	< 0.051 U	--	< 0.051 U	< 0.051 U	--	< 0.1 U	--	--	< 0.051 U
WC-TP11	39	0	N	8/8/2006	< 0.056 U	< 0.056 U	--	< 0.056 U	< 0.056 U	--	< 0.11 U	--	--	< 0.056 U
WC-TP12	39	0	N	8/8/2006	< 0.05 U	< 0.05 U	--	< 0.05 U	< 0.05 U	--	< 0.099 U	--	--	< 0.05 U
WC-TP13	39	0	N	8/7/2006	< 0.049 U	< 0.049 U	--	< 0.049 U	< 0.049 U	--	< 0.098 U	--	--	< 0.049 U
WC-TP14	39	0	N	8/8/2006	< 0.085 U	< 0.085 U	--	< 0.085 U	< 0.085 U	--	< 0.17 U	--	--	< 0.085 U
WC-TP15	39	0	N	8/7/2006	< 0.042 U	< 0.042 UJ	--	< 0.042 U	< 0.042 UJ	--	< 0.084 UJ	--	--	< 0.042 U
WC-TP16	39	0	N	8/8/2006	< 0.055 U	< 0.055 U	--	< 0.055 U	< 0.055 U	--	< 0.11 U	--	--	< 0.055 U

TABLE B-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
TIMET PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)									
					2-Chloronaphthalene	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
WC-TW01	39	0	N	8/1/2006	< 0.038 U	< 0.038 U	--	< 0.038 U	< 0.038 U	--	< 0.077 U	--	--	< 0.038 U
WC-TW02	39	0	N	8/1/2006	< 0.037 U	< 0.037 U	--	< 0.037 U	< 0.037 U	--	0.075 J	--	--	< 0.037 U
WC-TW03	39	0	N	8/2/2006	< 0.038 U	< 0.038 U	--	< 0.038 U	< 0.038 U	--	< 0.077 U	--	--	< 0.038 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-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
TIMET PONDS SUB-AREA
(Page 5 of 14)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)									
					4-Chloro-3-Methylphenol	4-Chlorophenyl phenyl ether	4-Nitrophenol	Acetophenone	Aniline	Azobenzene	Benzenethiol	Benzoic acid	Benzyl alcohol	Benzyl butyl phthalate
ADB-02	1a	0	N	4/18/1996	< 1.3 U	< 0.67 U	< 3.4 U	--	--	--	--	< 3.4 U	< 1.3 U	< 0.67 U
ADB-02	1a	5	N	4/18/1996	< 1.4 U	< 0.72 U	< 3.6 U	--	--	--	--	< 3.6 U	< 1.4 U	< 0.72 U
ADB-03	1a	0	N	4/18/1996	< 1.4 U	< 0.7 U	< 3.5 U	--	--	--	--	< 3.5 U	< 1.4 U	< 0.7 U
OPW-6	9	52	N	2/1/2000	--	--	--	--	--	--	--	--	--	--
SB-09-B	27	0	N	6/6/2004	< 0.35 U	< 0.35 U	< 1.7 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 1.7 U	< 0.35 U	< 0.35 U
SB-09-B	27	7	N	6/6/2004	< 0.35 U	< 0.35 U	< 1.7 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 1.7 U	< 0.35 U	< 0.35 U
SB-09-B	27	17	N	6/6/2004	< 0.36 U	< 0.36 U	< 1.8 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 1.8 U	< 0.36 U	< 0.36 U
SB-09-B	27	27	N	6/6/2004	< 0.35 U	< 0.35 U	< 1.7 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 1.7 U	< 0.35 U	< 0.35 U
SB-09-B	27	47	N	6/6/2004	< 0.48 U	< 0.48 U	< 2.3 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 2.3 U	< 0.48 U	< 0.48 U
SB-09-B	27	57	N	6/6/2004	< 0.51 U	< 0.51 U	< 2.5 U	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U	< 2.5 U	< 0.51 U	< 0.51 U
SB-09-B	27	97	N	6/6/2004	< 0.48 U	< 0.48 U	< 2.3 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 2.3 U	< 0.48 U	< 0.48 U
SB-09-B	27	117	N	6/6/2004	< 0.52 U	< 0.52 U	< 2.5 U	< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U	< 2.5 U	< 0.52 U	< 0.52 U
SW-11/HP-5	9	5	N	2/1/2000	--	--	--	--	--	--	--	--	--	--
SW-7	9	5	N	2/1/2000	--	--	--	--	--	--	--	--	--	--
WC-TA01	39	0	N	8/1/2006	< 0.035 U	--	< 0.35 U	< 0.035 U	< 0.035 U	--	--	--	--	< 0.035 U
WC-TB01	39	0	N	8/2/2006	< 0.034 U	--	< 0.34 U	< 0.034 U	< 0.034 U	--	--	--	--	< 0.034 U
WC-TB02	39	0	N	8/2/2006	< 0.035 U	--	< 0.35 U	< 0.035 U	< 0.035 U	--	--	--	--	< 0.035 U
WC-TB03	39	0	N	8/2/2006	< 0.034 U	--	< 0.34 U	< 0.034 U	< 0.034 U	--	--	--	--	< 0.034 U
WC-TB04	39	0	N	8/2/2006	< 0.034 U	--	< 0.34 U	< 0.034 U	< 0.034 U	--	--	--	--	< 0.034 U
WC-TD01	39	0	N	7/31/2006	< 0.034 U	--	< 0.34 U	< 0.034 U	< 0.034 U	--	--	--	--	< 0.034 U
WC-TE01	39	0	N	7/31/2006	< 0.034 U	--	< 0.34 U	< 0.034 U	< 0.034 U	--	--	--	--	< 0.034 U
WC-TP01	39	0	N	8/9/2006	< 0.055 U	--	< 0.54 U	< 0.055 U	< 0.055 U	< 0.055 U	--	--	--	< 0.055 U
WC-TP02	39	0	N	8/4/2006	< 0.056 U	--	< 0.55 U	< 0.056 U	< 0.056 U	< 0.056 U	--	--	--	< 0.056 U
WC-TP03	39	0	N	8/4/2006	< 0.046 U	--	< 0.46 U	< 0.046 U	< 0.046 U	< 0.046 U	--	--	--	< 0.046 U
WC-TP04	39	0	N	8/9/2006	< 0.058 U	--	< 0.58 U	< 0.058 U	< 0.058 U	< 0.058 U	--	--	--	< 0.058 U
WC-TP05	39	0	N	8/4/2006	< 0.059 U	--	< 0.58 U	< 0.059 U	< 0.059 U	< 0.059 U	--	--	--	< 0.059 U
WC-TP06	39	0	N	8/4/2006	< 0.054 U	--	< 0.54 U	< 0.054 U	< 0.054 U	< 0.054 U	--	--	--	< 0.054 U
WC-TP07	39	0	N	8/8/2006	< 0.048 U	--	< 0.47 U	< 0.048 U	< 0.048 U	< 0.048 U	--	--	--	< 0.048 U
WC-TP08	39	0	N	8/7/2006	< 0.11 U	--	< 1.1 U	< 0.11 U	< 0.11 U	< 0.11 U	--	--	--	< 0.11 U
WC-TP09	39	0	N	8/3/2006	< 0.057 U	--	< 0.56 U	< 0.057 U	< 0.057 U	< 0.057 U	--	--	--	< 0.057 U
WC-TP10	39	0	N	8/7/2006	< 0.051 U	--	< 0.51 U	< 0.051 U	< 0.051 U	< 0.051 U	--	--	--	< 0.051 U
WC-TP11	39	0	N	8/8/2006	< 0.056 U	--	< 0.55 U	< 0.056 U	< 0.056 U	< 0.056 U	--	--	--	< 0.056 U
WC-TP12	39	0	N	8/8/2006	< 0.05 U	--	< 0.49 U	< 0.05 U	< 0.05 U	< 0.05 U	--	--	--	< 0.05 U
WC-TP13	39	0	N	8/7/2006	< 0.049 U	--	< 0.49 U	< 0.049 U	< 0.049 U	< 0.049 U	--	--	--	< 0.049 U
WC-TP14	39	0	N	8/8/2006	< 0.085 U	--	< 0.84 U	< 0.085 U	< 0.085 U	< 0.085 U	--	--	--	< 0.085 U
WC-TP15	39	0	N	8/7/2006	< 0.042 UJ	--	< 0.42 UJ	< 0.042 U	< 0.042 U	< 0.042 U	--	--	--	< 0.042 U
WC-TP16	39	0	N	8/8/2006	< 0.055 U	--	< 0.54 U	< 0.055 U	< 0.055 U	< 0.055 U	--	--	--	< 0.055 U

TABLE B-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
TIMET PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)									
					4-Chloro-3-Methylphenol	4-Chlorophenyl phenyl ether	4-Nitrophenol	Acetophenone	Aniline	Azobenzene	Benzenethiol	Benzoic acid	Benzyl alcohol	Benzyl butyl phthalate
WC-TW01	39	0	N	8/1/2006	< 0.038 U	--	< 0.38 U	< 0.038 U	< 0.038 U	--	--	--	--	< 0.038 U
WC-TW02	39	0	N	8/1/2006	< 0.037 U	--	< 0.37 U	0.068 J	< 0.037 U	--	--	--	--	< 0.037 U
WC-TW03	39	0	N	8/2/2006	< 0.038 U	--	< 0.38 U	< 0.038 U	< 0.038 U	--	--	--	--	< 0.038 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-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
TIMET PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)									
					bis(2-Chloroethoxy) methane	bis(2-Chloroethyl) ether	bis(2-Chloroisopropyl) ether	bis(2-Ethylhexyl) phthalate	bis(p-Chlorophenyl) disulfide	bis(p-Chlorophenyl) sulfone	Carbazole	Dibenzofuran	Dibutyl phthalate	Diethyl phthalate
ADB-02	1a	0	N	4/18/1996	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	--	--	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U
ADB-02	1a	5	N	4/18/1996	< 0.72 U	< 0.72 U	< 0.72 U	< 0.72 U	--	--	< 0.72 U	< 0.72 U	< 0.72 U	< 0.72 U
ADB-03	1a	0	N	4/18/1996	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	--	--	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U
OPW-6	9	52	N	2/1/2000	--	--	--	--	--	--	--	--	--	--
SB-09-B	27	0	N	6/6/2004	< 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
SB-09-B	27	7	N	6/6/2004	< 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
SB-09-B	27	17	N	6/6/2004	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U
SB-09-B	27	27	N	6/6/2004	< 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
SB-09-B	27	47	N	6/6/2004	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U
SB-09-B	27	57	N	6/6/2004	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U
SB-09-B	27	97	N	6/6/2004	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U
SB-09-B	27	117	N	6/6/2004	< 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
SW-11/HP-5	9	5	N	2/1/2000	--	--	--	--	--	--	--	--	--	--
SW-7	9	5	N	2/1/2000	--	--	--	--	--	--	--	--	--	--
WC-TA01	39	0	N	8/1/2006	< 0.035 U	< 0.035 U	< 0.035 U	--	--	--	--	--	< 0.035 U	< 0.035 U
WC-TB01	39	0	N	8/2/2006	< 0.034 U	< 0.034 U	< 0.034 U	--	--	--	--	--	< 0.034 U	< 0.034 U
WC-TB02	39	0	N	8/2/2006	< 0.035 U	< 0.035 U	< 0.035 U	--	--	--	--	--	< 0.035 U	< 0.035 U
WC-TB03	39	0	N	8/2/2006	< 0.034 U	< 0.034 U	< 0.034 U	--	--	--	--	--	< 0.034 U	< 0.034 U
WC-TB04	39	0	N	8/2/2006	< 0.034 U	< 0.034 U	< 0.034 U	--	--	--	--	--	< 0.034 U	< 0.034 U
WC-TD01	39	0	N	7/31/2006	< 0.034 U	< 0.034 U	< 0.034 U	--	--	--	--	--	< 0.034 U	< 0.034 U
WC-TE01	39	0	N	7/31/2006	< 0.034 U	< 0.034 U	< 0.034 U	--	--	--	--	--	< 0.034 U	< 0.034 U
WC-TP01	39	0	N	8/9/2006	< 0.055 U	< 0.055 U	< 0.055 U	--	--	--	--	--	< 0.055 U	< 0.055 U
WC-TP02	39	0	N	8/4/2006	< 0.056 U	< 0.056 U	< 0.056 U	--	--	--	--	--	< 0.056 U	< 0.056 U
WC-TP03	39	0	N	8/4/2006	< 0.046 U	< 0.046 U	< 0.046 U	--	--	--	--	--	< 0.046 U	< 0.046 U
WC-TP04	39	0	N	8/9/2006	< 0.058 U	< 0.058 U	< 0.058 U	--	--	--	--	--	< 0.058 U	< 0.058 U
WC-TP05	39	0	N	8/4/2006	< 0.059 U	< 0.059 U	< 0.059 U	--	--	--	--	--	< 0.059 U	< 0.059 U
WC-TP06	39	0	N	8/4/2006	< 0.054 U	< 0.054 U	< 0.054 U	--	--	--	--	--	< 0.054 U	< 0.054 U
WC-TP07	39	0	N	8/8/2006	< 0.048 U	< 0.048 U	< 0.048 U	--	--	--	--	--	< 0.048 U	< 0.048 U
WC-TP08	39	0	N	8/7/2006	< 0.11 U	< 0.11 U	< 0.11 U	--	--	--	--	--	< 0.11 U	< 0.11 U
WC-TP09	39	0	N	8/3/2006	< 0.057 U	< 0.057 U	< 0.057 U	--	--	--	--	--	< 0.057 U	< 0.057 U
WC-TP10	39	0	N	8/7/2006	< 0.051 U	< 0.051 U	< 0.051 U	--	--	--	--	--	< 0.051 U	< 0.051 U
WC-TP11	39	0	N	8/8/2006	< 0.056 U	< 0.056 U	< 0.056 U	--	--	--	--	--	< 0.056 U	< 0.056 U
WC-TP12	39	0	N	8/8/2006	< 0.05 U	< 0.05 U	< 0.05 U	--	--	--	--	--	< 0.05 U	< 0.05 U
WC-TP13	39	0	N	8/7/2006	< 0.049 U	< 0.049 U	< 0.049 U	--	--	--	--	--	< 0.049 U	< 0.049 U
WC-TP14	39	0	N	8/8/2006	< 0.085 U	< 0.085 U	< 0.085 U	--	--	--	--	--	< 0.085 U	< 0.085 U
WC-TP15	39	0	N	8/7/2006	< 0.042 U	< 0.042 U	< 0.042 U	--	--	--	--	--	< 0.042 U	< 0.042 U
WC-TP16	39	0	N	8/8/2006	< 0.055 U	< 0.055 U	< 0.055 U	--	--	--	--	--	< 0.055 U	< 0.055 U

TABLE B-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
TIMET PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)									
					bis(2-Chloroethoxy) methane	bis(2-Chloroethyl) ether	bis(2-Chloroisopropyl) ether	bis(2-Ethylhexyl) phthalate	bis(p-Chlorophenyl) disulfide	bis(p-Chlorophenyl) sulfone	Carbazole	Dibenzofuran	Dibutyl phthalate	Diethyl phthalate
WC-TW01	39	0	N	8/1/2006	< 0.038 U	< 0.038 U	< 0.038 U	--	--	--	--	--	< 0.038 U	< 0.038 U
WC-TW02	39	0	N	8/1/2006	< 0.037 U	< 0.037 U	< 0.037 U	--	--	--	--	--	< 0.037 U	< 0.037 U
WC-TW03	39	0	N	8/2/2006	< 0.038 U	< 0.038 U	< 0.038 U	--	--	--	--	--	< 0.038 U	< 0.038 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-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
TIMET PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)									
					Dimethyl phthalate	Di-n-octyl phthalate	Diphenyl sulfone	Fluoranthene	Fluorene	Hexachloro-1,3-butadiene	Hexachlorobenzene	Hexachlorocyclo-pentadiene	Hexachloroethane	Hydroxymethyl phthalimide
ADB-02	1a	0	N	4/18/1996	< 0.67 U	< 0.67 U	--	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	--
ADB-02	1a	5	N	4/18/1996	< 0.72 U	< 0.72 U	--	< 0.72 U	< 0.72 U	< 0.72 U	< 0.72 U	< 0.72 U	< 0.72 U	--
ADB-03	1a	0	N	4/18/1996	< 0.7 U	< 0.7 U	--	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	--
OPW-6	9	52	N	2/1/2000	--	--	--	--	--	< 0.005 U	--	--	--	--
SB-09-B	27	0	N	6/6/2004	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 1.7 U	< 0.35 U	< 0.35 U
SB-09-B	27	7	N	6/6/2004	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 1.7 U	< 0.35 U	< 0.35 U
SB-09-B	27	17	N	6/6/2004	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 1.8 U	< 0.36 U	< 0.36 U
SB-09-B	27	27	N	6/6/2004	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 1.7 U	< 0.35 U	< 0.35 U
SB-09-B	27	47	N	6/6/2004	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 2.3 U	< 0.48 U	< 0.48 U
SB-09-B	27	57	N	6/6/2004	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U	< 2.5 U	< 0.51 U	< 0.51 U
SB-09-B	27	97	N	6/6/2004	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 2.3 U	< 0.48 U	< 0.48 U
SB-09-B	27	117	N	6/6/2004	< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U	< 2.5 U	< 0.52 U	< 0.52 U
SW-11/HP-5	9	5	N	2/1/2000	--	--	--	--	--	< 0.005 U	--	--	--	--
SW-7	9	5	N	2/1/2000	--	--	--	--	--	< 0.005 U	--	--	--	--
WC-TA01	39	0	N	8/1/2006	< 0.035 U	1.6	--	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.35 U	< 0.035 U	--
WC-TB01	39	0	N	8/2/2006	< 0.034 U	< 0.015 U	--	0.036 J	< 0.034 U	< 0.034 U	< 0.034 U	< 0.34 U	< 0.034 U	--
WC-TB02	39	0	N	8/2/2006	< 0.035 U	< 0.016 U	--	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.35 U	< 0.035 U	--
WC-TB03	39	0	N	8/2/2006	< 0.034 U	< 0.015 U	--	< 0.034 U	< 0.034 U	< 0.034 U	0.16 J	< 0.34 U	< 0.034 U	--
WC-TB04	39	0	N	8/2/2006	< 0.034 U	< 0.015 U	--	< 0.034 U	< 0.034 U	< 0.034 U	4.5	< 0.34 U	< 0.034 U	--
WC-TD01	39	0	N	7/31/2006	< 0.034 U	< 0.015 U	--	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.34 U	< 0.034 U	--
WC-TE01	39	0	N	7/31/2006	< 0.034 U	< 0.015 U	--	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.34 U	< 0.034 U	--
WC-TP01	39	0	N	8/9/2006	< 0.055 U	< 0.024 U	--	< 0.055 U	< 0.055 U	< 0.055 U	1.2	< 0.54 U	< 0.055 U	--
WC-TP02	39	0	N	8/4/2006	< 0.056 U	< 0.025 U	--	< 0.056 U	< 0.056 U	< 0.056 U	0.066 J	< 0.55 U	< 0.056 U	--
WC-TP03	39	0	N	8/4/2006	< 0.046 U	< 0.02 U	--	< 0.046 U	< 0.046 U	< 0.046 U	0.088 J	< 0.46 U	< 0.046 U	--
WC-TP04	39	0	N	8/9/2006	< 0.058 U	< 0.026 U	--	< 0.058 U	< 0.058 U	< 0.058 U	2.3	< 0.58 U	< 0.058 U	--
WC-TP05	39	0	N	8/4/2006	< 0.059 U	< 0.026 U	--	< 0.059 U	< 0.059 U	< 0.059 U	0.3 J	< 0.58 U	< 0.059 U	--
WC-TP06	39	0	N	8/4/2006	< 0.054 U	< 0.024 U	--	< 0.054 U	< 0.054 U	< 0.054 U	0.38 J	< 0.54 U	< 0.054 U	--
WC-TP07	39	0	N	8/8/2006	< 0.048 U	< 0.021 U	--	< 0.048 U	< 0.048 U	< 0.048 U	1.9	< 0.47 U	< 0.048 U	--
WC-TP08	39	0	N	8/7/2006	< 0.11 U	< 0.047 U	--	< 0.11 U	< 0.11 U	< 0.11 U	4.1	< 1.1 U	< 0.11 U	--
WC-TP09	39	0	N	8/3/2006	< 0.057 U	< 0.025 U	--	< 0.057 U	< 0.057 U	< 0.057 U	0.63	< 0.56 U	< 0.057 U	--
WC-TP10	39	0	N	8/7/2006	< 0.051 U	< 0.023 UJ	--	< 0.051 U	< 0.051 U	< 0.051 U	0.21 J	< 0.51 U	< 0.051 U	--
WC-TP11	39	0	N	8/8/2006	< 0.056 U	< 0.025 U	--	< 0.056 U	< 0.056 U	< 0.056 U	0.12 J	< 0.55 U	< 0.056 U	--
WC-TP12	39	0	N	8/8/2006	< 0.05 U	< 0.022 U	--	< 0.05 U	< 0.05 U	< 0.05 U	0.41 J	< 0.49 U	< 0.05 U	--
WC-TP13	39	0	N	8/7/2006	< 0.049 U	< 0.022 U	--	< 0.049 U	< 0.049 U	< 0.049 U	0.45 J	< 0.49 U	< 0.049 U	--
WC-TP14	39	0	N	8/8/2006	< 0.085 U	< 0.038 U	--	< 0.085 U	< 0.085 U	< 0.085 U	1.5	< 0.84 U	< 0.085 U	--
WC-TP15	39	0	N	8/7/2006	< 0.042 U	< 0.019 U	--	< 0.042 U	< 0.042 U	< 0.042 U	< 0.042 U	< 0.42 U	< 0.042 U	--
WC-TP16	39	0	N	8/8/2006	< 0.055 U	< 0.024 U	--	< 0.055 U	< 0.055 U	< 0.055 U	< 0.055 U	< 0.54 U	< 0.055 U	--

TABLE B-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
TIMET PONDS SUB-AREA
(Page 10 of 14)

					Semi-Volatile Organic Compounds (SVOCs)									
Sample ID	**Dataset**	**Depth (ft bgs)**	**Sample Type**	**Sample Date**	Dimethyl phthalate	Di-n-octyl phthalate	Diphenyl sulfone	Fluoranthene	Fluorene	Hexachloro-1,3-butadiene	Hexachlorobenzene	Hexachlorocyclo-pentadiene	Hexachloroethane	Hydroxymethyl phthalimide
WC-TW01	39	0	N	8/1/2006	< 0.038 U	< 0.017 U	--	< 0.038 U	< 0.038 U	0.076 J	7.6	< 0.38 U	< 0.038 U	--
WC-TW02	39	0	N	8/1/2006	< 0.037 U	< 0.016 U	--	13	1.3	0.074 J	9.2	< 0.37 U	< 0.037 U	--
WC-TW03	39	0	N	8/2/2006	< 0.038 U	< 0.017 U	--	< 0.038 U	< 0.038 U	< 0.038 U	0.087 J	< 0.38 U	< 0.038 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-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
TIMET PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)									
					Isophorone	Naphthalene	Nitrobenzene	N-nitrosodi-n-propylamine	N-nitrosodiphenylamine	o-Cresol	p-Chloroaniline	p-Chlorothiophenol	p-Cresol	Pentachlorobenzene
ADB-02	1a	0	N	4/18/1996	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 1.3 U	--	< 0.67 U	--
ADB-02	1a	5	N	4/18/1996	< 0.72 U	< 0.72 U	< 0.72 U	< 0.72 U	< 0.72 U	< 0.72 U	< 1.4 U	--	< 0.72 U	--
ADB-03	1a	0	N	4/18/1996	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 1.4 U	--	< 0.7 U	--
OPW-6	9	52	N	2/1/2000	--	< 0.01 U	--	--	--	--	--	--	--	--
SB-09-B	27	0	N	6/6/2004	< 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
SB-09-B	27	7	N	6/6/2004	< 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
SB-09-B	27	17	N	6/6/2004	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	--	< 0.36 U
SB-09-B	27	27	N	6/6/2004	< 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
SB-09-B	27	47	N	6/6/2004	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	--	< 0.48 U
SB-09-B	27	57	N	6/6/2004	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U	--	< 0.51 U
SB-09-B	27	97	N	6/6/2004	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	--	< 0.48 U
SB-09-B	27	117	N	6/6/2004	< 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
SW-11/HP-5	9	5	N	2/1/2000	--	< 0.01 U	--	--	--	--	--	--	--	--
SW-7	9	5	N	2/1/2000	--	< 0.01 U	--	--	--	--	--	--	--	--
WC-TA01	39	0	N	8/1/2006	--	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 UJ	--	--	< 0.035 U
WC-TB01	39	0	N	8/2/2006	--	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 UJ	--	--	< 0.034 U
WC-TB02	39	0	N	8/2/2006	--	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 UJ	--	--	< 0.035 U
WC-TB03	39	0	N	8/2/2006	--	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 UJ	--	--	< 0.034 U
WC-TB04	39	0	N	8/2/2006	--	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 UJ	--	--	0.59
WC-TD01	39	0	N	7/31/2006	--	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 UJ	--	--	< 0.034 U
WC-TE01	39	0	N	7/31/2006	--	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 UJ	--	--	< 0.034 U
WC-TP01	39	0	N	8/9/2006	--	< 0.055 U	< 0.055 U	< 0.055 U	< 0.055 U	< 0.19 U	< 0.055 UJ	--	--	0.058 J
WC-TP02	39	0	N	8/4/2006	--	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U	< 0.2 U	< 0.056 U	--	--	< 0.056 U
WC-TP03	39	0	N	8/4/2006	--	< 0.046 U	< 0.046 U	< 0.046 U	< 0.046 U	< 0.16 U	< 0.046 U	--	--	< 0.046 U
WC-TP04	39	0	N	8/9/2006	--	< 0.058 U	< 0.058 U	< 0.058 U	< 0.058 U	< 0.21 U	< 0.058 UJ	--	--	0.17 J
WC-TP05	39	0	N	8/4/2006	--	< 0.059 U	< 0.059 U	< 0.059 U	< 0.059 U	< 0.21 U	< 0.059 U	--	--	< 0.059 U
WC-TP06	39	0	N	8/4/2006	--	< 0.054 U	< 0.054 U	< 0.054 U	< 0.054 U	< 0.19 U	< 0.054 U	--	--	< 0.054 U
WC-TP07	39	0	N	8/8/2006	--	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.17 U	< 0.048 UJ	--	--	0.098 J
WC-TP08	39	0	N	8/7/2006	--	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.38 U	< 0.11 UJ	--	--	0.2 J
WC-TP09	39	0	N	8/3/2006	--	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.2 U	< 0.057 UJ	--	--	< 0.057 U
WC-TP10	39	0	N	8/7/2006	--	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.18 U	< 0.051 UJ	--	--	< 0.051 U
WC-TP11	39	0	N	8/8/2006	--	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U	< 0.2 U	< 0.056 UJ	--	--	< 0.056 U
WC-TP12	39	0	N	8/8/2006	--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.18 U	< 0.05 UJ	--	--	0.055 J
WC-TP13	39	0	N	8/7/2006	--	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.17 U	< 0.049 U	--	--	< 0.049 U
WC-TP14	39	0	N	8/8/2006	--	< 0.085 U	< 0.085 U	< 0.085 U	< 0.085 U	< 0.3 U	< 0.085 UJ	--	--	< 0.085 U
WC-TP15	39	0	N	8/7/2006	--	< 0.042 U	< 0.042 U	< 0.042 U	< 0.042 U	< 0.15 UJ	< 0.042 UJ	--	--	< 0.042 U
WC-TP16	39	0	N	8/8/2006	--	< 0.055 U	< 0.055 U	< 0.055 U	< 0.055 U	< 0.19 U	< 0.055 UJ	--	--	< 0.055 U

TABLE B-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
TIMET PONDS SUB-AREA

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)									
					Isophorone	Naphthalene	Nitrobenzene	N-nitrosodi-n-propylamine	N-nitrosodiphenylamine	o-Cresol	p-Chloroaniline	p-Chlorothiophenol	p-Cresol	Pentachlorobenzene
WC-TW01	39	0	N	8/1/2006	--	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 UJ	--	--	0.26 J
WC-TW02	39	0	N	8/1/2006	--	2.1	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 UJ	--	--	0.26 J
WC-TW03	39	0	N	8/2/2006	--	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 UJ	--	--	< 0.038 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-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
TIMET PONDS SUB-AREA
(Page 13 of 14)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)						
					Pentachlorophenol	Phenol	Phenyl Disulfide	Phenyl Sulfide	Phthalic acid	p-Nitroaniline	Pyridine
ADB-02	1a	0	N	4/18/1996	< 3.4 U	< 0.67 U	--	--	--	< 3.4 U	--
ADB-02	1a	5	N	4/18/1996	< 3.6 U	< 0.72 U	--	--	--	< 3.6 U	--
ADB-03	1a	0	N	4/18/1996	< 3.5 U	< 0.7 U	--	--	--	< 3.5 U	--
OPW-6	9	52	N	2/1/2000	--	--	--	--	--	--	--
SB-09-B	27	0	N	6/6/2004	< 1.7 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 1.7 U	< 0.7 U
SB-09-B	27	7	N	6/6/2004	< 1.7 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 1.7 U	< 0.7 U
SB-09-B	27	17	N	6/6/2004	< 1.8 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 1.8 U	< 0.72 U
SB-09-B	27	27	N	6/6/2004	< 1.7 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 1.7 U	< 0.7 U
SB-09-B	27	47	N	6/6/2004	< 2.3 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 2.3 U	< 0.97 U
SB-09-B	27	57	N	6/6/2004	< 2.5 U	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U	< 2.5 U	< 1 U
SB-09-B	27	97	N	6/6/2004	< 2.3 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 2.3 U	< 0.97 U
SB-09-B	27	117	N	6/6/2004	< 2.5 U	< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U	< 2.5 U	< 1 U
SW-11/HP-5	9	5	N	2/1/2000	--	--	--	--	--	--	--
SW-7	9	5	N	2/1/2000	--	--	--	--	--	--	--
WC-TA01	39	0	N	8/1/2006	< 0.35 U	< 0.035 U	--	--	0.13 J+	< 0.35 U	< 0.35 U
WC-TB01	39	0	N	8/2/2006	< 0.34 U	< 0.034 U	--	--	< 0.26 U	< 0.34 U	< 0.34 U
WC-TB02	39	0	N	8/2/2006	< 0.35 U	< 0.035 U	--	--	< 0.26 U	< 0.35 U	< 0.35 U
WC-TB03	39	0	N	8/2/2006	< 0.34 U	< 0.034 U	--	--	< 0.26 U	< 0.34 U	< 0.34 U
WC-TB04	39	0	N	8/2/2006	< 0.34 U	< 0.034 U	--	--	< 0.26 U	< 0.34 U	< 0.34 U
WC-TD01	39	0	N	7/31/2006	< 0.34 U	< 0.034 U	--	--	0.084 J	< 0.34 U	< 0.34 U
WC-TE01	39	0	N	7/31/2006	< 0.34 U	< 0.034 U	--	--	< 1.6 U	< 0.34 U	< 0.34 U
WC-TP01	39	0	N	8/9/2006	< 0.54 U	< 0.055 U	--	--	< 0.41 U	< 0.54 U	< 0.055 U
WC-TP02	39	0	N	8/4/2006	< 0.55 U	< 0.056 U	--	--	< 0.42 U	< 0.55 U	< 0.056 U
WC-TP03	39	0	N	8/4/2006	< 0.46 U	< 0.046 U	--	--	< 0.35 U	< 0.46 U	< 0.046 U
WC-TP04	39	0	N	8/9/2006	< 0.58 U	< 0.058 U	--	--	< 0.44 U	< 0.58 U	< 0.058 U
WC-TP05	39	0	N	8/4/2006	< 0.58 U	< 0.059 U	--	--	< 0.44 U	< 0.58 U	< 0.059 U
WC-TP06	39	0	N	8/4/2006	< 0.54 U	< 0.054 U	--	--	< 0.41 U	< 0.54 U	< 0.054 U
WC-TP07	39	0	N	8/8/2006	< 0.47 U	< 0.048 U	--	--	< 0.36 U	< 0.47 U	< 0.048 U
WC-TP08	39	0	N	8/7/2006	< 1.1 U	< 0.11 U	--	--	< 0.8 U	< 1.1 U	< 0.11 U
WC-TP09	39	0	N	8/3/2006	< 0.56 U	< 0.057 U	--	--	< 0.43 U	< 0.56 U	< 0.057 U
WC-TP10	39	0	N	8/7/2006	< 0.51 U	< 0.051 U	--	--	< 0.38 U	< 0.51 U	< 0.051 U
WC-TP11	39	0	N	8/8/2006	< 0.55 U	< 0.056 U	--	--	< 0.42 U	< 0.55 U	< 0.056 U
WC-TP12	39	0	N	8/8/2006	< 0.49 U	< 0.05 U	--	--	< 0.37 U	< 0.49 U	< 0.05 U
WC-TP13	39	0	N	8/7/2006	< 0.49 U	< 0.049 U	--	--	< 0.37 U	< 0.49 U	< 0.049 U
WC-TP14	39	0	N	8/8/2006	< 0.84 U	< 0.085 U	--	--	< 0.64 U	< 0.84 U	< 0.085 U
WC-TP15	39	0	N	8/7/2006	< 0.42 UJ	< 0.042 UJ	--	--	< 0.31 UJ	< 0.42 U	< 0.042 U
WC-TP16	39	0	N	8/8/2006	< 0.54 U	< 0.055 U	--	--	< 0.41 UJ	< 0.54 U	< 0.055 U

TABLE B-4
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
TIMET PONDS SUB-AREA
(Page 14 of 14)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)						
					Pentachlorophenol	Phenol	Phenyl Disulfide	Phenyl Sulfide	Phthalic acid	p-Nitroaniline	Pyridine
WC-TW01	39	0	N	8/1/2006	< 0.38 U	< 0.038 U	--	--	< 1.8 U	< 0.38 U	< 0.38 U
WC-TW02	39	0	N	8/1/2006	< 0.37 U	< 0.037 U	--	--	< 1.8 U	< 0.37 U	< 0.37 U
WC-TW03	39	0	N	8/2/2006	< 0.38 U	< 0.038 U	--	--	< 0.29 U	< 0.38 U	< 0.38 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-5
SOIL DIOXINS/FURANS DATA
TIMET 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
SB-09-B	27	0	N	6/6/2004	89	7.7	44	50	< 1.5 U	37	2.9	6.7	2.7
SB-09-B	27	7	N	6/6/2004	< 0.41 U	< 0.33 U	< 0.33 U	< 0.24 U	< 0.31 U	< 0.17 U	< 0.28 U	< 0.29 U	< 0.28 U
SB-09-B	27	17	N	6/6/2004	< 0.19 UJ-	< 0.44 UJ-	< 0.24 UJ-	< 0.18 UJ-	< 0.27 UJ-	< 0.16 UJ-	< 0.21 UJ-	< 0.2 UJ-	< 0.22 UJ-
SB-09-B	27	27	N	6/6/2004	3.6	< 0.44 UJ-	< 1.5 UJ-	< 2.2 UJ-	< 0.3 UJ-	< 1.4 UJ-	< 0.24 UJ-	< 0.26 UJ-	< 0.2 UJ-
SB-09-B	27	47	N	6/6/2004	< 0.16 UJ-	< 0.34 UJ-	< 0.2 UJ-	< 0.15 UJ-	< 0.22 UJ-	< 0.13 UJ-	< 0.18 UJ-	< 0.16 UJ-	< 0.18 UJ-
SB-09-B	27	57	N	6/6/2004	< 0.19 UJ-	< 0.32 UJ-	< 0.23 UJ-	< 0.14 UJ-	< 0.2 UJ-	< 0.13 UJ-	< 0.17 UJ-	< 0.15 UJ-	< 0.17 UJ-
WC-TA01	39	0	N	8/1/2006	260	21	69	--	--	--	--	--	--
WC-TB01	39	0	N	8/2/2006	82	11	42	--	--	--	--	--	--
WC-TB02	39	0	N	8/2/2006	28	< 2.3 U	13	--	--	--	--	--	--
WC-TB03	39	0	N	8/2/2006	750	94	380	--	--	--	--	--	--
WC-TB04	39	0	N	8/2/2006	23000	2400	11000	--	--	--	--	--	--
WC-TD01	39	0	N	7/31/2006	86	9	30	--	--	--	--	--	--
WC-TE01	39	0	N	7/31/2006	140	12	47	--	--	--	--	--	--
WC-TP01	39	0	N	8/9/2006	5100	31	740	--	--	--	--	--	--
WC-TP02	39	0	N	8/4/2006	2200	160	700	--	--	--	--	--	--
WC-TP03	39	0	N	8/4/2006	420	12	97	--	--	--	--	--	--
WC-TP04	39	0	N	8/9/2006	1400	36	330	--	--	--	--	--	--
WC-TP05	39	0	N	8/4/2006	410	8.2	96	--	--	--	--	--	--
WC-TP06	39	0	N	8/4/2006	380	8.4	72	--	--	--	--	--	--
WC-TP07	39	0	N	8/8/2006	820	< 20 U	190	--	--	--	--	--	--
WC-TP08	39	0	N	8/7/2006	3300	57	830	--	--	--	--	--	--
WC-TP09	39	0	N	8/3/2006	290	< 11 U	75	--	--	--	--	--	--
WC-TP10	39	0	N	8/7/2006	200	< 4.6 U	59	--	--	--	--	--	--
WC-TP11	39	0	N	8/8/2006	92	5.2	23	--	--	--	--	--	--
WC-TP12	39	0	N	8/8/2006	11000	1200	3900	--	--	--	--	--	--
WC-TP13	39	0	N	8/7/2006	920	< 9.9 U	120	--	--	--	--	--	--
WC-TP14	39	0	N	8/8/2006	11000	180	1100	--	--	--	--	--	--
WC-TP15	39	0	N	8/7/2006	23	< 2.1 U	5.8	--	--	--	--	--	--
WC-TP16	39	0	N	8/8/2006	1200	71	260	--	--	--	--	--	--
WC-TW01	39	0	N	8/1/2006	1300	57	380	--	--	--	--	--	--
WC-TW02	39	0	N	8/1/2006	1400	44	350	--	--	--	--	--	--
WC-TW03	39	0	N	8/2/2006	610	16	130	--	--	--	--	--	--

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
TIMET 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
SB-09-B	27	0	N	6/6/2004	33	< 2.3 U	8.8	16	14 J-	0.68	5.6	180	25.2
SB-09-B	27	7	N	6/6/2004	< 0.16 U	< 0.29 U	< 0.18 U	< 0.16 U	< 0.14 U	< 0.15 U	< 0.7 U	< 1.5 U	0.36
SB-09-B	27	17	N	6/6/2004	< 0.094 UJ-	< 0.2 UJ-	< 0.18 UJ-	< 0.094 UJ-	< 0.07 UJ-	< 0.082 UJ-	< 1.2 UJ-	< 0.51 UJ-	0.3
SB-09-B	27	27	N	6/6/2004	< 1.3 UJ-	< 0.14 UJ-	< 0.34 UJ-	< 0.57 UJ-	0.68	< 0.074 UJ-	< 1.2 UJ-	5.9	0.64
SB-09-B	27	47	N	6/6/2004	< 0.095 UJ-	< 0.16 UJ-	< 0.15 UJ-	< 0.095 UJ-	< 0.13 UJ-	< 0.072 UJ-	< 1.7 UJ-	< 0.41 UJ-	0.21
SB-09-B	27	57	N	6/6/2004	< 0.088 UJ-	< 0.2 UJ-	< 0.14 UJ-	< 0.088 UJ-	< 0.076 UJ-	< 0.09 UJ-	< 1.7 UJ-	< 0.45 UJ-	0.23
WC-TA01	39	0	N	8/1/2006	--	--	--	--	--	--	63	3800	3.9
WC-TB01	39	0	N	8/2/2006	--	--	--	--	--	--	42	330	1.4
WC-TB02	39	0	N	8/2/2006	--	--	--	--	--	--	5.8	110	0.43
WC-TB03	39	0	N	8/2/2006	--	--	--	--	--	--	150	8100	13.1
WC-TB04	39	0	N	8/2/2006	--	--	--	--	--	--	1900	87000	372.9
WC-TD01	39	0	N	7/31/2006	--	--	--	--	--	--	26	280	1.3
WC-TE01	39	0	N	7/31/2006	--	--	--	--	--	--	23	460	2
WC-TP01	39	0	N	8/9/2006	--	--	--	--	--	--	680	83000	67.1
WC-TP02	39	0	N	8/4/2006	--	--	--	--	--	--	320	37000	34.3
WC-TP03	39	0	N	8/4/2006	--	--	--	--	--	--	97	20000	7.3
WC-TP04	39	0	N	8/9/2006	--	--	--	--	--	--	500	52000	22.9
WC-TP05	39	0	N	8/4/2006	--	--	--	--	--	--	210	35000	8.7
WC-TP06	39	0	N	8/4/2006	--	--	--	--	--	--	190	29000	7.5
WC-TP07	39	0	N	8/8/2006	--	--	--	--	--	--	290	18000	12
WC-TP08	39	0	N	8/7/2006	--	--	--	--	--	--	1600	100000	52
WC-TP09	39	0	N	8/3/2006	--	--	--	--	--	--	120	29000	6.6
WC-TP10	39	0	N	8/7/2006	--	--	--	--	--	--	100	25000	5.1
WC-TP11	39	0	N	8/8/2006	--	--	--	--	--	--	50	5300	1.7
WC-TP12	39	0	N	8/8/2006	--	--	--	--	--	--	1100	42000	165.3
WC-TP13	39	0	N	8/7/2006	--	--	--	--	--	--	100	33000	13.8
WC-TP14	39	0	N	8/8/2006	--	--	--	--	--	--	5200	160000	139.3
WC-TP15	39	0	N	8/7/2006	--	--	--	--	--	--	8.3	150	0.31
WC-TP16	39	0	N	8/8/2006	--	--	--	--	--	--	140	10000	16.3
WC-TW01	39	0	N	8/1/2006	--	--	--	--	--	--	760	47000	22.1
WC-TW02	39	0	N	8/1/2006	--	--	--	--	--	--	560	63000	24.3
WC-TW03	39	0	N	8/2/2006	--	--	--	--	--	--	76	18000	9.4

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
TIMET PONDS SUB-AREA
(Page 1 of 8)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	General Chemistry / Ions									
					Alkalinity	Ammonia	Bicarbonate alkalinity	Bromide	Carbonate alkalinity	Chlorate	Chloride	Cyanide (Total)	Fluoride	Hydroxide alkalinity
ADB-02	1a	0	N	4/18/1996	--	--	--	--	--	0.076	--	< 1 U	--	--
ADB-02	1a	5	N	4/18/1996	--	--	--	--	--	0.031	--	< 1.1 U	--	--
ADB-03	1a	0	N	4/18/1996	--	--	--	--	--	0.097	--	< 1.1 U	--	--
ADB-03	1a	5	N	4/18/1996	--	--	--	--	--	0.0044	--	< 1.1 U	--	--
HP-2	9	0	N	2/4/2000	120	--	110	--	9	--	160	--	--	< 25 U
HP-2	9	5	N	2/4/2000	70	--	64	--	6	--	110	--	--	< 25 U
HP-2	9	10	N	2/4/2000	95	--	84	--	11	--	54	--	--	< 25 U
HP-2	9	20	N	2/4/2000	170	--	140	--	35	--	29	--	--	< 25 U
HP-2	9	35	N	2/4/2000	84	--	78	--	6	--	21	--	--	< 25 U
HP-2	9	50	N	2/4/2000	100	--	100	--	< 25 U	--	101	--	--	< 25 U
HP-2	9	55	N	2/4/2000	36	--	34	--	1	--	140	--	--	< 25 U
HP-3	9	5	N	2/4/2000	43	--	43	--	< 25 U	--	160	--	--	< 25 U
HP-3	9	10	N	2/4/2000	30	--	27	--	3	--	120	--	--	< 25 U
HP-3	9	20	N	2/4/2000	90	--	82	--	8	--	130	--	--	< 25 U
HP-3	9	35	N	2/4/2000	170	--	130	--	34	--	71	--	--	< 25 U
HP-3	9	50	N	2/4/2000	< 25 U	--	< 25 U	--	< 25 U	--	130	--	--	< 25 U
HP-3	9	60	N	2/4/2000	78	--	74	--	3	--	140	--	--	< 25 U
HP-5	9	0	N	2/4/2000	< 25 U	--	< 25 U	--	< 25 U	--	5600	--	--	< 25 U
HP-5	9	5	N	2/3/2000	48	--	43	--	6	--	340	--	--	< 25 U
HP-5	9	10	N	2/3/2000	67	--	58	--	9	--	510	--	--	< 25 U
HP-5	9	20	N	2/3/2000	66	--	49	--	17	--	97	--	--	< 25 U
HP-5	9	35	N	2/3/2000	54	--	54	--	< 25 U	--	280	--	--	< 25 U
HP-5	9	50	N	2/3/2000	< 25 U	--	< 25 U	--	< 25 U	--	10000	--	--	< 25 U
HP-5	9	60	N	2/3/2000	< 25 U	--	< 25 U	--	< 25 U	--	10000	--	--	< 25 U
OPW-6	9	0	N	2/4/2000	61	--	55	--	5	--	340	--	--	< 25 U
OPW-6	9	5	N	2/1/2000	< 25 U	--	< 25 U	--	< 25 U	--	680	--	--	< 25 U
OPW-6	9	10	N	2/1/2000	28	--	18	--	10	--	200	--	--	< 25 U
OPW-6	9	20	N	2/1/2000	< 25 U	--	< 25 U	--	< 25 U	--	170	--	--	< 25 U
OPW-6	9	35	N	2/1/2000	83	--	63	--	20	--	30	--	--	< 25 U
OPW-6	9	52	N	2/1/2000	45	--	27	--	18	--	41	--	--	< 25 U
SB-09-B	27	0	N	6/6/2004	--	< 0.53 U	--	1.3 J	--	1.3 J	500	< 0.53 U	< 1.1 U	--
SB-09-B	27	7	N	6/6/2004	--	< 0.53 U	--	2 J	--	2.3	466	< 0.53 U	0.28 J	--
SB-09-B	27	17	N	6/6/2004	--	< 0.55 U	--	< 2.7 U	--	3.3	287	< 0.55 U	< 1.1 U	--
SB-09-B	27	27	N	6/6/2004	--	< 0.53 U	--	0.56 J	--	2.4	240	< 0.53 U	0.55 J	--
SB-09-B	27	37	N	6/6/2004	--	--	--	--	--	--	--	--	--	--
SB-09-B	27	47	N	6/6/2004	--	< 0.73 U	--	< 3.7 U	--	< 2.9 U	515	0.44 J	< 1.5 U	--

TABLE B-6
SOIL ALDEHYDES, GENERAL CHEMISTRY AND IONS DATA
TIMET PONDS SUB-AREA
(Page 2 of 8)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	General Chemistry / Ions									
					Alkalinity	Ammonia	Bicarbonate alkalinity	Bromide	Carbonate alkalinity	Chlorate	Chloride	Cyanide (Total)	Fluoride	Hydroxide alkalinity
SB-09-B	27	51	N	6/6/2004	--	--	--	--	--	--	--	--	--	--
SB-09-B	27	57	N	6/6/2004	--	< 0.77 U	--	< 3.9 U	--	< 3.1 U	41.4	< 0.77 U	< 1.5 U	--
SB-09-B	27	67.5	N	6/6/2004	--	--	--	--	--	--	--	--	--	--
SB-09-B	27	87.5	N	6/6/2004	--	--	--	--	--	--	--	--	--	--
SB-09-B	27	97	N	6/6/2004	--	< 0.73 U	--	< 3.7 U	--	< 2.9 U	30.5	< 0.73 U	< 1.5 U	--
SB-09-B	27	105	N	6/6/2004	--	--	--	--	--	--	--	--	--	--
SB-09-B	27	117	N	6/6/2004	--	< 0.79 U	--	< 3.9 U	--	< 3.1 U	40.1	< 0.79 U	0.27 J	--
SB-09-B	27	124.5	N	6/6/2004	--	--	--	--	--	--	--	--	--	--
SB-09-B	27	167	N	6/6/2004	--	--	--	--	--	--	--	--	--	--
SW-10	9	0	N	2/4/2000	62	--	51	--	12	--	100	--	--	< 25 U
SW-10	9	5	N	2/2/2000	380	--	360	--	21	--	220	--	--	< 25 U
SW-10	9	10	N	2/2/2000	520	--	490	--	31	--	180	--	--	< 25 U
SW-10	9	20	N	2/2/2000	750	--	690	--	57	--	120	--	--	< 25 U
SW-10	9	35	N	2/2/2000	490	--	430	--	57	--	41	--	--	< 25 U
SW-10	9	50	N	2/2/2000	440	--	440	--	< 25 U	--	110	--	--	< 25 U
SW-10	9	60	N	2/2/2000	< 25 U	--	< 25 U	--	< 25 U	--	190	--	--	< 25 U
SW-11/HP-5	9	0	N	2/4/2000	< 25 U	--	< 25 U	--	< 25 U	--	2400	--	--	< 25 U
SW-11/HP-5	9	5	N	2/1/2000	< 25 U	--	< 25 U	--	< 25 U	--	360	--	--	< 25 U
SW-11/HP-5	9	10	N	2/1/2000	< 25 U	--	< 25 U	--	< 25 U	--	3.8	--	--	< 25 U
SW-11/HP-5	9	20	N	2/1/2000	< 25 U	--	< 25 U	--	< 25 U	--	31	--	--	< 25 U
SW-11/HP-5	9	35	N	2/1/2000	< 25 U	--	< 25 U	--	< 25 U	--	71	--	--	< 25 U
SW-11/HP-5	9	50	N	2/1/2000	< 25 U	--	< 25 U	--	< 25 U	--	41	--	--	< 25 U
SW-11/HP-5	9	60	N	2/1/2000	< 25 U	--	< 25 U	--	< 25 U	--	1100	--	--	< 25 U
SW-3	9	0	N	2/4/2000	150	--	120	--	27	--	26	--	--	< 25 U
SW-3	9	5	N	2/2/2000	230	--	210	--	20	--	190	--	--	< 25 U
SW-3	9	10	N	2/2/2000	64	--	55	--	9	--	100	--	--	< 25 U
SW-3	9	20	N	2/2/2000	210	--	160	--	49	--	26	--	--	< 25 U
SW-3	9	35	N	2/2/2000	130	--	110	--	20	--	45	--	--	< 25 U
SW-3	9	47	N	2/2/2000	170	--	160	--	15	--	33	--	--	< 25 U
SW-4	9	0	N	2/4/2000	52	--	46	--	6	--	330	--	--	< 25 U
SW-4	9	5	N	2/3/2000	66	--	63	--	3	--	610	--	--	< 25 U
SW-4	9	10	N	2/3/2000	220	--	180	--	36	--	110	--	--	< 25 U
SW-4	9	20	N	2/3/2000	200	--	150	--	41	--	19	--	--	< 25 U
SW-4	9	30	N	2/3/2000	74	--	51	--	23	--	34	--	--	< 25 U
SW-5	9	0	N	2/4/2000	25	--	25	--	< 25 U	--	4200	--	--	< 25 U
SW-5	9	5	N	2/1/2000	< 25 U	--	< 25 U	--	< 25 U	--	720	--	--	< 25 U

TABLE B-6
SOIL ALDEHYDES, GENERAL CHEMISTRY AND IONS DATA
TIMET PONDS SUB-AREA
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Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	General Chemistry / Ions									
					Alkalinity	Ammonia	Bicarbonate alkalinity	Bromide	Carbonate alkalinity	Chlorate	Chloride	Cyanide (Total)	Fluoride	Hydroxide alkalinity
SW-5	9	10	N	2/1/2000	83	--	71	--	12	--	22	--	--	< 25 U
SW-5	9	20	N	2/1/2000	32	--	21	--	10	--	7.7	--	--	< 25 U
SW-5	9	35	N	2/1/2000	32	--	23	--	8.8	--	140	--	--	< 25 U
SW-5	9	50	N	2/1/2000	< 25 U	--	< 25 U	--	< 25 U	--	410	--	--	< 25 U
SW-7	9	0	N	2/4/2000	440	--	400	--	36	--	15	--	--	< 25 U
SW-7	9	5	N	2/1/2000	34	--	27	--	7.5	--	170	--	--	< 25 U
SW-7	9	10	N	2/1/2000	< 25 U	--	< 25 U	--	< 25 U	--	760	--	--	< 25 U
SW-7	9	20	N	2/1/2000	37	--	27	--	9.9	--	210	--	--	< 25 U
SW-7	9	33	N	2/1/2000	< 25 U	--	< 25 U	--	< 25 U	--	180	--	--	< 25 U
SW-8	9	0	N	2/4/2000	110	--	99	--	13	--	170	--	--	< 25 U
SW-8	9	5	N	2/2/2000	670	--	670	--	4.1	--	790	--	--	< 25 U
SW-8	9	10	N	2/2/2000	< 25 U	--	< 25 U	--	< 25 U	--	160	--	--	< 25 U
SW-8	9	20	N	2/2/2000	80	--	26	--	54	--	220	--	--	< 25 U
SW-8	9	35	N	2/2/2000	< 25 U	--	< 25 U	--	< 25 U	--	120	--	--	< 25 U
WC-TA01	39	0	N	8/1/2006	--	--	--	--	--	--	--	< 0.13 U	--	--
WC-TB01	39	0	N	8/2/2006	--	--	--	--	--	--	--	< 0.12 U	--	--
WC-TB02	39	0	N	8/2/2006	--	--	--	--	--	--	--	< 0.13 U	--	--
WC-TB03	39	0	N	8/2/2006	--	--	--	--	--	--	--	< 0.12 U	--	--
WC-TB04	39	0	N	8/2/2006	--	--	--	--	--	--	--	< 0.12 U	--	--
WC-TD01	39	0	N	7/31/2006	--	--	--	--	--	--	--	< 0.12 U	--	--
WC-TE01	39	0	N	7/31/2006	--	--	--	--	--	--	--	< 0.12 U	--	--
WC-TP01	39	0	N	8/9/2006	--	--	--	--	--	--	--	< 0.2 U	--	--
WC-TP02	39	0	N	8/4/2006	--	--	--	--	--	--	--	< 0.2 U	--	--
WC-TP03	39	0	N	8/4/2006	--	--	--	--	--	--	--	< 0.17 U	--	--
WC-TP04	39	0	N	8/9/2006	--	--	--	--	--	--	--	< 0.21 U	--	--
WC-TP05	39	0	N	8/4/2006	--	--	--	--	--	--	--	< 0.21 U	--	--
WC-TP06	39	0	N	8/4/2006	--	--	--	--	--	--	--	< 0.2 U	--	--
WC-TP07	39	0	N	8/8/2006	--	--	--	--	--	--	--	3.8	--	--
WC-TP08	39	0	N	8/7/2006	--	--	--	--	--	--	--	< 0.39 U	--	--
WC-TP09	39	0	N	8/3/2006	--	--	--	--	--	--	--	< 0.21 U	--	--
WC-TP10	39	0	N	8/7/2006	--	--	--	--	--	--	--	2.7	--	--
WC-TP11	39	0	N	8/8/2006	--	--	--	--	--	--	--	1.8	--	--
WC-TP12	39	0	N	8/8/2006	--	--	--	--	--	--	--	< 0.18 U	--	--
WC-TP13	39	0	N	8/7/2006	--	--	--	--	--	--	--	12.7	--	--
WC-TP14	39	0	N	8/8/2006	--	--	--	--	--	--	--	< 0.31 U	--	--
WC-TP15	39	0	N	8/7/2006	--	--	--	--	--	--	--	2.1	--	--

TABLE B-6
SOIL ALDEHYDES, GENERAL CHEMISTRY AND IONS DATA
TIMET PONDS SUB-AREA
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Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	General Chemistry / Ions									
					Alkalinity	Ammonia	Bicarbonate alkalinity	Bromide	Carbonate alkalinity	Chlorate	Chloride	Cyanide (Total)	Fluoride	Hydroxide alkalinity
WC-TP16	39	0	N	8/8/2006	--	--	--	--	--	--	--	0.95	--	--
WC-TW01	39	0	N	8/1/2006	--	--	--	--	--	--	--	< 0.14 U	--	--
WC-TW02	39	0	N	8/1/2006	--	--	--	--	--	--	--	0.29 J	--	--
WC-TW03	39	0	N	8/2/2006	--	--	--	--	--	--	--	< 0.14 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-6
SOIL ALDEHYDES, GENERAL CHEMISTRY AND IONS DATA
TIMET 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	Formaldehyde
ADB-02	1a	0	N	4/18/1996	--	--	--	--	--	--	--	--	--	--
ADB-02	1a	5	N	4/18/1996	--	--	--	--	--	--	--	--	--	--
ADB-03	1a	0	N	4/18/1996	--	--	--	--	--	--	--	--	--	--
ADB-03	1a	5	N	4/18/1996	--	--	--	--	--	--	--	--	--	--
HP-2	9	0	N	2/4/2000	--	--	30	--	--	110	--	--	--	--
HP-2	9	5	N	2/4/2000	--	--	18	--	--	640	--	--	--	--
HP-2	9	10	N	2/4/2000	--	--	31	--	--	200	--	--	--	--
HP-2	9	20	N	2/4/2000	--	--	15	--	--	130	--	--	--	--
HP-2	9	35	N	2/4/2000	--	--	5.1	--	--	890	--	--	--	--
HP-2	9	50	N	2/4/2000	--	--	7.1	--	--	1300	--	--	--	--
HP-2	9	55	N	2/4/2000	--	--	7.3	--	--	870	--	--	--	--
HP-3	9	5	N	2/4/2000	--	--	72	--	--	500	--	--	--	--
HP-3	9	10	N	2/4/2000	--	--	31	--	--	330	--	--	--	--
HP-3	9	20	N	2/4/2000	--	--	16	--	--	260	--	--	--	--
HP-3	9	35	N	2/4/2000	--	--	4.4	--	--	130	--	--	--	--
HP-3	9	50	N	2/4/2000	--	--	5.5	--	--	870	--	--	--	--
HP-3	9	60	N	2/4/2000	--	--	5.1	--	--	760	--	--	--	--
HP-5	9	0	N	2/4/2000	--	--	28	--	--	12	--	--	--	--
HP-5	9	5	N	2/3/2000	--	--	17	--	--	320	--	--	--	--
HP-5	9	10	N	2/3/2000	--	--	25	--	--	140	--	--	--	--
HP-5	9	20	N	2/3/2000	--	--	4.8	--	--	92	--	--	--	--
HP-5	9	35	N	2/3/2000	--	--	5.5	--	--	13000	--	--	--	--
HP-5	9	50	N	2/3/2000	--	--	320	--	--	490	--	--	--	--
HP-5	9	60	N	2/3/2000	--	--	310	--	--	470	--	--	--	--
OPW-6	9	0	N	2/4/2000	--	--	15	--	--	170	--	--	--	--
OPW-6	9	5	N	2/1/2000	--	--	19	--	--	36	--	--	--	--
OPW-6	9	10	N	2/1/2000	--	--	5.1	--	--	140	--	--	--	--
OPW-6	9	20	N	2/1/2000	--	--	4.8	--	--	260	--	--	--	--
OPW-6	9	35	N	2/1/2000	--	--	1.4	--	--	150	--	--	--	--
OPW-6	9	52	N	2/1/2000	--	--	< 1 U	--	--	270	--	--	--	--
SB-09-B	27	0	N	6/6/2004	< 5.3 U	25.7	< 0.21 U	< 5.3 U	2.91	524	< 10.6 U	< 2.7 U	< 0.21 U	0.12
SB-09-B	27	7	N	6/6/2004	< 5.3 U	15.1	< 0.21 U	< 5.3 U	1.82	154	< 10.6 U	< 2.7 U	< 0.21 U	0.24
SB-09-B	27	17	N	6/6/2004	< 5.5 U	2	< 0.22 U	< 5.5 U	1.72	108	< 11 U	< 2.7 U	< 0.24 U	0.18
SB-09-B	27	27	N	6/6/2004	< 5.3 U	1.9	0.45	< 5.3 U	1.99	185	< 10.6 U	< 2.7 U	< 0.22 U	0.16
SB-09-B	27	37	N	6/6/2004	--	--	--	--	0.6	--	--	--	--	--
SB-09-B	27	47	N	6/6/2004	< 7.3 U	0.32	< 0.29 U	< 7.3 U	0.0474 J	515	< 14.6 U	< 3.7 U	< 0.29 U	< 0.15 U

TABLE B-6
SOIL ALDEHYDES, GENERAL CHEMISTRY AND IONS DATA
TIMET 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	Formaldehyde
SB-09-B	27	51	N	6/6/2004	--	--	--	--	< 0.04 U	--	--	--	--	--
SB-09-B	27	57	N	6/6/2004	< 7.7 U	< 0.31 U	< 0.31 U	< 7.7 U	< 0.0618 U	202	< 15.4 U	< 3.9 U	< 0.31 U	< 0.16 U
SB-09-B	27	67.5	N	6/6/2004	--	--	--	--	0.041	--	--	--	--	--
SB-09-B	27	87.5	N	6/6/2004	--	--	--	--	< 0.04 U	--	--	--	--	--
SB-09-B	27	97	N	6/6/2004	< 7.3 U	< 0.29 U	< 0.29 U	< 7.3 U	< 0.0587 U	499	< 14.7 U	< 3.7 U	< 0.32 U	< 0.16 U
SB-09-B	27	105	N	6/6/2004	--	--	--	--	< 0.04 U	--	--	--	--	--
SB-09-B	27	117	N	6/6/2004	< 7.9 U	< 0.31 U	< 0.31 U	< 7.9 U	< 0.0629 U	1270	< 15.7 U	< 3.9 U	< 0.31 U	0.12
SB-09-B	27	124.5	N	6/6/2004	--	--	--	--	< 0.04 U	--	--	--	--	--
SB-09-B	27	167	N	6/6/2004	--	--	--	--	< 0.04 U	--	--	--	--	--
SW-10	9	0	N	2/4/2000	--	--	13	--	--	220	--	--	--	--
SW-10	9	5	N	2/2/2000	--	--	18	--	--	220	--	--	--	--
SW-10	9	10	N	2/2/2000	--	--	14	--	--	190	--	--	--	--
SW-10	9	20	N	2/2/2000	--	--	5.7	--	--	200	--	--	--	--
SW-10	9	35	N	2/2/2000	--	--	1.7	--	--	140	--	--	--	--
SW-10	9	50	N	2/2/2000	--	--	4.2	--	--	8900	--	--	--	--
SW-10	9	60	N	2/2/2000	--	--	6.2	--	--	630	--	--	--	--
SW-11/HP-5	9	0	N	2/4/2000	--	--	250	--	--	1700	--	--	--	--
SW-11/HP-5	9	5	N	2/1/2000	--	--	48	--	--	720	--	--	--	--
SW-11/HP-5	9	10	N	2/1/2000	--	--	< 1 U	--	--	87	--	--	--	--
SW-11/HP-5	9	20	N	2/1/2000	--	--	1.4	--	--	160	--	--	--	--
SW-11/HP-5	9	35	N	2/1/2000	--	--	4	--	--	260	--	--	--	--
SW-11/HP-5	9	50	N	2/1/2000	--	--	1.6	--	--	100	--	--	--	--
SW-11/HP-5	9	60	N	2/1/2000	--	--	33	--	--	370	--	--	--	--
SW-3	9	0	N	2/4/2000	--	--	5.8	--	--	180	--	--	--	--
SW-3	9	5	N	2/2/2000	--	--	9.9	--	--	23	--	--	--	--
SW-3	9	10	N	2/2/2000	--	--	2.9	--	--	610	--	--	--	--
SW-3	9	20	N	2/2/2000	--	--	1.2	--	--	150	--	--	--	--
SW-3	9	35	N	2/2/2000	--	--	2.1	--	--	260	--	--	--	--
SW-3	9	47	N	2/2/2000	--	--	1.5	--	--	1100	--	--	--	--
SW-4	9	0	N	2/4/2000	--	--	20	--	--	88	--	--	--	--
SW-4	9	5	N	2/3/2000	--	--	32	--	--	130	--	--	--	--
SW-4	9	10	N	2/3/2000	--	--	4.1	--	--	100	--	--	--	--
SW-4	9	20	N	2/3/2000	--	--	< 1 U	--	--	96	--	--	--	--
SW-4	9	30	N	2/3/2000	--	--	< 1 U	--	--	180	--	--	--	--
SW-5	9	0	N	2/4/2000	--	--	110	--	--	< 100 U	--	--	--	--
SW-5	9	5	N	2/1/2000	--	--	25	--	--	97	--	--	--	--

TABLE B-6
SOIL ALDEHYDES, GENERAL CHEMISTRY AND IONS DATA
TIMET 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	Formaldehyde
SW-5	9	10	N	2/1/2000	--	--	18	--	--	94	--	--	--	--
SW-5	9	20	N	2/1/2000	--	--	< 1 U	--	--	130	--	--	--	--
SW-5	9	35	N	2/1/2000	--	--	47	--	--	210	--	--	--	--
SW-5	9	50	N	2/1/2000	--	--	6.9	--	--	5600	--	--	--	--
SW-7	9	0	N	2/4/2000	--	--	5.6	--	--	55	--	--	--	--
SW-7	9	5	N	2/1/2000	--	--	9.3	--	--	220	--	--	--	--
SW-7	9	10	N	2/1/2000	--	--	7.5	--	--	230	--	--	--	--
SW-7	9	20	N	2/1/2000	--	--	3.6	--	--	190	--	--	--	--
SW-7	9	33	N	2/1/2000	--	--	1.7	--	--	10000	--	--	--	--
SW-8	9	0	N	2/4/2000	--	--	8.6	--	--	76	--	--	--	--
SW-8	9	5	N	2/2/2000	--	--	23	--	--	1000	--	--	--	--
SW-8	9	10	N	2/2/2000	--	--	3.6	--	--	180	--	--	--	--
SW-8	9	20	N	2/2/2000	--	--	2.5	--	--	200	--	--	--	--
SW-8	9	35	N	2/2/2000	--	--	1.2	--	--	4600	--	--	--	--
WC-TA01	39	0	N	8/1/2006	--	--	--	--	--	--	--	--	--	--
WC-TB01	39	0	N	8/2/2006	--	--	--	--	--	--	--	--	--	--
WC-TB02	39	0	N	8/2/2006	--	--	--	--	--	--	--	--	--	--
WC-TB03	39	0	N	8/2/2006	--	--	--	--	--	--	--	--	--	--
WC-TB04	39	0	N	8/2/2006	--	--	--	--	--	--	--	--	--	--
WC-TD01	39	0	N	7/31/2006	--	--	--	--	--	--	--	--	--	--
WC-TE01	39	0	N	7/31/2006	--	--	--	--	--	--	--	--	--	--
WC-TP01	39	0	N	8/9/2006	--	--	--	--	--	--	--	--	--	--
WC-TP02	39	0	N	8/4/2006	--	--	--	--	--	--	--	--	--	--
WC-TP03	39	0	N	8/4/2006	--	--	--	--	--	--	--	--	--	--
WC-TP04	39	0	N	8/9/2006	--	--	--	--	--	--	--	--	--	--
WC-TP05	39	0	N	8/4/2006	--	--	--	--	--	--	--	--	--	--
WC-TP06	39	0	N	8/4/2006	--	--	--	--	--	--	--	--	--	--
WC-TP07	39	0	N	8/8/2006	--	--	--	--	--	--	--	--	--	--
WC-TP08	39	0	N	8/7/2006	--	--	--	--	--	--	--	--	--	--
WC-TP09	39	0	N	8/3/2006	--	--	--	--	--	--	--	--	--	--
WC-TP10	39	0	N	8/7/2006	--	--	--	--	--	--	--	--	--	--
WC-TP11	39	0	N	8/8/2006	--	--	--	--	--	--	--	--	--	--
WC-TP12	39	0	N	8/8/2006	--	--	--	--	--	--	--	--	--	--
WC-TP13	39	0	N	8/7/2006	--	--	--	--	2.81	--	--	--	--	--
WC-TP14	39	0	N	8/8/2006	--	--	--	--	0.274 J	--	--	--	--	--
WC-TP15	39	0	N	8/7/2006	--	--	--	--	1.69 J	--	--	--	--	--

TABLE B-6
SOIL ALDEHYDES, GENERAL CHEMISTRY AND IONS DATA
TIMET 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	Formaldehyde
WC-TP16	39	0	N	8/8/2006	--	--	--	--	1.87	--	--	--	--	--
WC-TW01	39	0	N	8/1/2006	--	--	--	--	--	--	--	--	--	--
WC-TW02	39	0	N	8/1/2006	--	--	--	--	--	--	--	--	--	--
WC-TW03	39	0	N	8/2/2006	--	--	--	--	--	--	--	--	--	--

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
TIMET PONDS SUB-AREA
(Page 1 of 3)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Organophosphorus Pesticides								
					Azinphos-ethyl	Azinphos-methyl	Carbophenothion	Carbophenothion-methyl	Chlorpyrifos	Coumaphos	Demeton-O	Demeton-S	Diazinon
SB-09-B	27	0	N	6/6/2004	< 0.035 U	< 0.014 U	< 0.035 U	< 0.035 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U
SB-09-B	27	7	N	6/6/2004	< 0.035 U	< 0.014 U	< 0.035 U	< 0.035 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U
SB-09-B	27	17	N	6/6/2004	< 0.036 U	< 0.014 U	< 0.036 U	< 0.036 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U
SB-09-B	27	27	N	6/6/2004	< 0.035 U	< 0.014 U	< 0.035 U	< 0.035 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U
SB-09-B	27	47	N	6/6/2004	< 0.048 U	< 0.019 U	< 0.048 U	< 0.048 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U
SB-09-B	27	57	N	6/6/2004	< 0.051 UJ-	< 0.02 UJ-	< 0.051 UJ-	< 0.051 UJ-	< 0.02 UJ-	< 0.02 UJ-	< 0.02 UJ-	< 0.02 UJ-	< 0.02 UJ-
SB-09-B	27	97	N	6/6/2004	< 0.048 U	< 0.019 U	< 0.048 U	< 0.048 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U
SB-09-B	27	117	N	6/6/2004	< 0.052 U	< 0.02 U	< 0.052 U	< 0.052 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
WC-TA01	39	0	N	8/1/2006	--	--	--	--	--	--	--	--	--
WC-TB01	39	0	N	8/2/2006	--	--	--	--	--	--	--	--	--
WC-TB02	39	0	N	8/2/2006	--	--	--	--	--	--	--	--	--
WC-TB03	39	0	N	8/2/2006	--	--	--	--	--	--	--	--	--
WC-TB04	39	0	N	8/2/2006	--	--	--	--	--	--	--	--	--
WC-TD01	39	0	N	7/31/2006	--	--	--	--	--	--	--	--	--
WC-TE01	39	0	N	7/31/2006	--	--	--	--	--	--	--	--	--
WC-TP01	39	0	N	8/9/2006	--	--	--	--	--	--	--	--	--
WC-TP02	39	0	N	8/4/2006	--	--	--	--	--	--	--	--	--
WC-TP03	39	0	N	8/4/2006	--	--	--	--	--	--	--	--	--
WC-TP04	39	0	N	8/9/2006	--	--	--	--	--	--	--	--	--
WC-TP05	39	0	N	8/4/2006	--	--	--	--	--	--	--	--	--
WC-TP06	39	0	N	8/4/2006	--	--	--	--	--	--	--	--	--
WC-TP07	39	0	N	8/8/2006	--	--	--	--	--	--	--	--	--
WC-TP08	39	0	N	8/7/2006	--	--	--	--	--	--	--	--	--
WC-TP09	39	0	N	8/3/2006	--	--	--	--	--	--	--	--	--
WC-TP10	39	0	N	8/7/2006	--	--	--	--	--	--	--	--	--
WC-TP11	39	0	N	8/8/2006	--	--	--	--	--	--	--	--	--
WC-TP12	39	0	N	8/8/2006	--	--	--	--	--	--	--	--	--
WC-TP13	39	0	N	8/7/2006	--	--	--	--	--	--	--	--	--
WC-TP14	39	0	N	8/8/2006	--	--	--	--	--	--	--	--	--
WC-TP15	39	0	N	8/7/2006	--	--	--	--	--	--	--	--	--
WC-TP16	39	0	N	8/8/2006	--	--	--	--	--	--	--	--	--
WC-TW01	39	0	N	8/1/2006	--	--	--	--	--	--	--	--	--
WC-TW02	39	0	N	8/1/2006	--	--	--	--	--	--	--	--	--
WC-TW03	39	0	N	8/2/2006	--	--	--	--	--	--	--	--	--

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
TIMET PONDS SUB-AREA
(Page 2 of 3)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Organophosphorus Pesticides								
					Dichlorvos	Dimethoate	Disulfoton	EPN	Ethoprophos	Famphur	Fenthion	Malathion	Methyl parathion
SB-09-B	27	0	N	6/6/2004	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U
SB-09-B	27	7	N	6/6/2004	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U
SB-09-B	27	17	N	6/6/2004	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U
SB-09-B	27	27	N	6/6/2004	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.014 U
SB-09-B	27	47	N	6/6/2004	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U
SB-09-B	27	57	N	6/6/2004	< 0.02 UJ-	< 0.02 UJ-	< 0.02 UJ-	< 0.02 UJ-	< 0.02 UJ-	< 0.02 UJ-	< 0.02 UJ-	< 0.02 UJ-	< 0.02 UJ-
SB-09-B	27	97	N	6/6/2004	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U
SB-09-B	27	117	N	6/6/2004	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
WC-TA01	39	0	N	8/1/2006	--	--	< 0.0082 U	--	--	< 0.0034 U	--	--	< 0.0067 U
WC-TB01	39	0	N	8/2/2006	--	--	< 0.0079 U	--	--	< 0.0033 U	--	--	< 0.0066 U
WC-TB02	39	0	N	8/2/2006	--	--	< 0.0081 U	--	--	< 0.0034 U	--	--	< 0.0067 U
WC-TB03	39	0	N	8/2/2006	--	--	< 0.008 UJ	--	--	< 0.0033 UJ	--	--	< 0.0066 UJ
WC-TB04	39	0	N	8/2/2006	--	--	< 0.008 U	--	--	< 0.0033 U	--	--	< 0.0066 U
WC-TD01	39	0	N	7/31/2006	--	--	< 0.0079 U	--	--	< 0.0033 U	--	--	< 0.0065 U
WC-TE01	39	0	N	7/31/2006	--	--	< 0.0079 U	--	--	< 0.0033 U	--	--	< 0.0066 U
WC-TP01	39	0	N	8/9/2006	--	--	< 0.013 UJ	--	--	< 0.0053 UJ	--	--	< 0.01 UJ
WC-TP02	39	0	N	8/4/2006	--	--	< 0.013 U	--	--	< 0.0054 U	--	--	< 0.011 U
WC-TP03	39	0	N	8/4/2006	--	--	< 0.011 U	--	--	< 0.0045 U	--	--	< 0.0088 U
WC-TP04	39	0	N	8/9/2006	--	--	< 0.013 U	--	--	< 0.0056 U	--	--	< 0.011 U
WC-TP05	39	0	N	8/4/2006	--	--	< 0.014 UJ	--	--	< 0.0057 UJ	--	--	< 0.011 UJ
WC-TP06	39	0	N	8/4/2006	--	--	< 0.013 U	--	--	< 0.0052 U	--	--	< 0.01 U
WC-TP07	39	0	N	8/8/2006	--	--	< 0.011 U	--	--	< 0.0046 U	--	--	< 0.0091 U
WC-TP08	39	0	N	8/7/2006	--	--	< 0.025 U	--	--	< 0.01 U	--	--	< 0.02 U
WC-TP09	39	0	N	8/3/2006	--	--	< 0.013 U	--	--	< 0.0055 U	--	--	< 0.011 U
WC-TP10	39	0	N	8/7/2006	--	--	< 0.012 U	--	--	< 0.005 U	--	--	< 0.0098 U
WC-TP11	39	0	N	8/8/2006	--	--	< 0.013 U	--	--	< 0.0054 U	--	--	< 0.011 U
WC-TP12	39	0	N	8/8/2006	--	--	< 0.011 U	--	--	< 0.0048 U	--	--	< 0.0095 U
WC-TP13	39	0	N	8/7/2006	--	--	< 0.011 U	--	--	< 0.0047 U	--	--	< 0.0094 U
WC-TP14	39	0	N	8/8/2006	--	--	< 0.02 U	--	--	< 0.0082 U	--	--	< 0.016 U
WC-TP15	39	0	N	8/7/2006	--	--	< 0.0097 U	--	--	< 0.0041 U	--	--	< 0.008 U
WC-TP16	39	0	N	8/8/2006	--	--	< 0.013 U	--	--	< 0.0053 U	--	--	< 0.01 U
WC-TW01	39	0	N	8/1/2006	--	--	< 0.0089 UJ	--	--	< 0.0037 UJ	--	--	< 0.0074 UJ
WC-TW02	39	0	N	8/1/2006	--	--	< 0.0086 UJ	--	--	< 0.0036 UJ	--	--	< 0.0071 UJ
WC-TW03	39	0	N	8/2/2006	--	--	< 0.0089 UJ	--	--	< 0.0037 UJ	--	--	< 0.0073 UJ

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
TIMET PONDS SUB-AREA
(Page 3 of 3)

Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	Organophosphorus Pesticides								
					Mevinphos	Naled	O,O,O-Triethyl phosphorothioate	Parathion	Phorate	Phosmet	Ronnel	Sulfotep	Tetrachlorvinphos (Stirophos)
SB-09-B	27	0	N	6/6/2004	< 0.014 U	< 0.035 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.071 U	< 0.071 U	< 0.014 U	< 0.014 U
SB-09-B	27	7	N	6/6/2004	< 0.014 U	< 0.035 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.071 U	< 0.071 U	< 0.014 U	< 0.014 U
SB-09-B	27	17	N	6/6/2004	< 0.014 U	< 0.036 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.073 U	< 0.073 U	< 0.014 U	< 0.014 U
SB-09-B	27	27	N	6/6/2004	< 0.014 U	< 0.035 U	< 0.014 U	< 0.014 U	< 0.014 U	< 0.071 U	< 0.071 U	< 0.014 U	< 0.014 U
SB-09-B	27	47	N	6/6/2004	< 0.019 U	< 0.048 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.098 U	< 0.098 U	< 0.019 U	< 0.019 U
SB-09-B	27	57	N	6/6/2004	< 0.02 UJ-	< 0.051 UJ-	< 0.02 UJ-	< 0.02 UJ-	< 0.02 UJ-	< 0.1 UJ-	< 0.1 UJ-	< 0.02 UJ-	< 0.02 UJ-
SB-09-B	27	97	N	6/6/2004	< 0.019 U	< 0.048 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.098 U	< 0.098 U	< 0.019 U	< 0.019 U
SB-09-B	27	117	N	6/6/2004	< 0.02 U	< 0.052 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.11 U	< 0.11 U	< 0.02 U	< 0.02 U
WC-TA01	39	0	N	8/1/2006	--	--	--	< 0.0056 UJ	< 0.006 U	--	--	--	--
WC-TB01	39	0	N	8/2/2006	--	--	--	< 0.0054 U	< 0.0059 U	--	--	--	--
WC-TB02	39	0	N	8/2/2006	--	--	--	< 0.0056 U	< 0.006 U	--	--	--	--
WC-TB03	39	0	N	8/2/2006	--	--	--	< 0.0055 UJ	< 0.0059 UJ	--	--	--	--
WC-TB04	39	0	N	8/2/2006	--	--	--	< 0.0055 U	< 0.0059 U	--	--	--	--
WC-TD01	39	0	N	7/31/2006	--	--	--	< 0.0054 U	< 0.0058 U	--	--	--	--
WC-TE01	39	0	N	7/31/2006	--	--	--	< 0.0054 U	< 0.0059 U	--	--	--	--
WC-TP01	39	0	N	8/9/2006	--	--	--	< 0.0087 UJ	< 0.0094 UJ	--	--	--	--
WC-TP02	39	0	N	8/4/2006	--	--	--	< 0.0089 U	< 0.0096 U	--	--	--	--
WC-TP03	39	0	N	8/4/2006	--	--	--	< 0.0073 U	< 0.0079 U	--	--	--	--
WC-TP04	39	0	N	8/9/2006	--	--	--	< 0.0092 U	< 0.0099 U	--	--	--	--
WC-TP05	39	0	N	8/4/2006	--	--	--	< 0.0093 UJ	< 0.01 UJ	--	--	--	--
WC-TP06	39	0	N	8/4/2006	--	--	--	< 0.0086 U	< 0.0093 U	--	--	--	--
WC-TP07	39	0	N	8/8/2006	--	--	--	< 0.0076 U	< 0.0082 U	--	--	--	--
WC-TP08	39	0	N	8/7/2006	--	--	--	< 0.017 U	< 0.018 U	--	--	--	--
WC-TP09	39	0	N	8/3/2006	--	--	--	< 0.0091 U	< 0.0098 U	--	--	--	--
WC-TP10	39	0	N	8/7/2006	--	--	--	< 0.0082 U	< 0.0088 U	--	--	--	--
WC-TP11	39	0	N	8/8/2006	--	--	--	< 0.0089 U	< 0.0096 U	--	--	--	--
WC-TP12	39	0	N	8/8/2006	--	--	--	< 0.0079 U	< 0.0085 U	--	--	--	--
WC-TP13	39	0	N	8/7/2006	--	--	--	< 0.0078 U	< 0.0084 U	--	--	--	--
WC-TP14	39	0	N	8/8/2006	--	--	--	< 0.013 U	< 0.015 U	--	--	--	--
WC-TP15	39	0	N	8/7/2006	--	--	--	< 0.0067 U	< 0.0072 U	--	--	--	--
WC-TP16	39	0	N	8/8/2006	--	--	--	< 0.0087 U	< 0.0094 U	--	--	--	--
WC-TW01	39	0	N	8/1/2006	--	--	--	< 0.0061 UJ	< 0.0066 UJ	--	--	--	--
WC-TW02	39	0	N	8/1/2006	--	--	--	< 0.0059 UJ	< 0.0064 UJ	--	--	--	--
WC-TW03	39	0	N	8/2/2006	--	--	--	< 0.0061 UJ	< 0.0066 UJ	--	--	--	--

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
TIMET 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-02	1a	0	N	4/18/1996	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U	< 0.013 U
ADB-02	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-03	1a	0	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-03	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
HP-2	9	0	N	2/4/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
HP-2	9	5	N	2/4/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
HP-2	9	10	N	2/4/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
HP-2	9	20	N	2/4/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
HP-2	9	35	N	2/4/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
HP-2	9	50	N	2/4/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
HP-2	9	55	N	2/4/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
HP-3	9	0	N	2/4/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
HP-3	9	5	N	2/4/2000	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ
HP-3	9	10	N	2/4/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
HP-3	9	20	N	2/4/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
HP-3	9	35	N	2/4/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
HP-3	9	50	N	2/4/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
HP-3	9	60	N	2/4/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
HP-5	9	0	N	2/4/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
HP-5	9	5	N	2/3/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
HP-5	9	10	N	2/3/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
HP-5	9	20	N	2/3/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
HP-5	9	35	N	2/3/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
HP-5	9	50	N	2/3/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
HP-5	9	60	N	2/3/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
OPW-6	9	0	N	2/4/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
OPW-6	9	5	N	2/1/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
OPW-6	9	10	N	2/1/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
OPW-6	9	20	N	2/1/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
OPW-6	9	35	N	2/1/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
OPW-6	9	52	N	2/1/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SB-09-B	27	0	N	6/6/2004	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U
SB-09-B	27	7	N	6/6/2004	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U
SB-09-B	27	17	N	6/6/2004	< 0.036 U	< 0.036 U	< 0.036 U	< 0.036 U	< 0.036 U	< 0.036 U	< 0.036 U
SB-09-B	27	27	N	6/6/2004	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U
SB-09-B	27	47	N	6/6/2004	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
SB-09-B	27	57	N	6/6/2004	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
SB-09-B	27	97	N	6/6/2004	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
SB-09-B	27	117	N	6/6/2004	< 0.052 U	< 0.052 U	< 0.052 U	< 0.052 U	< 0.052 U	< 0.052 U	< 0.052 U
SW-10	9	0	N	2/4/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-10	9	5	N	2/2/2000	< 0.03 U	< 0.03 U	< 0.03 U	< 0.03 U	< 0.03 U	< 0.03 U	< 0.03 U
SW-10	9	10	N	2/2/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-10	9	20	N	2/2/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-10	9	35	N	2/2/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-10	9	50	N	2/2/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ
SW-10	9	60	N	2/2/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-11/HP-5	9	0	N	2/4/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-11/HP-5	9	5	N	2/1/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ
SW-11/HP-5	9	10	N	2/1/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-11/HP-5	9	20	N	2/1/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-11/HP-5	9	35	N	2/1/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 UJ	< 0.02 UJ	< 0.02 UJ
SW-11/HP-5	9	50	N	2/1/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-11/HP-5	9	60	N	2/1/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-3	9	0	N	2/4/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U

TABLE B-8
SOIL POLYCHLORINATED BIPHENYLS (PCBs) DATA
TIMET 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
SW-3	9	5	N	2/2/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-3	9	10	N	2/2/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-3	9	20	N	2/2/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-3	9	35	N	2/2/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-3	9	47	N	2/2/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-4	9	0	N	2/4/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-4	9	5	N	2/3/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-4	9	10	N	2/3/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-4	9	20	N	2/3/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-4	9	30	N	2/3/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-5	9	0	N	2/4/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-5	9	5	N	2/1/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-5	9	10	N	2/1/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-5	9	20	N	2/1/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-5	9	35	N	2/1/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-5	9	50	N	2/1/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-7	9	0	N	2/4/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-7	9	5	N	2/1/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-7	9	10	N	2/1/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-7	9	20	N	2/1/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-7	9	33	N	2/1/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-8	9	0	N	2/4/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-8	9	5	N	2/2/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-8	9	10	N	2/2/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-8	9	20	N	2/2/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
SW-8	9	35	N	2/2/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 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-9
SOIL RADIONUCLIDES DATA
TIMET PONDS SUB-AREA
(Page 1 of 3)

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-09-B	27	0	N	6/6/2004	2.3	1.06 U	0.91	0.92	-0.021 U	0.042 U	33.7	38.7	1.06 U	1.4
SB-09-B	27	7	N	6/6/2004	1.85	0.26 U	0.74	0.7	-0.015 U	0.01 U	30.7	43.5	0.26 U	1.23
SB-09-B	27	17	N	6/6/2004	1.42	1.4 U	1.01 U	1.17	0.016 U	-0.05 U	25.3	33.4	1.4 U	1.35
SB-09-B	27	27	N	6/6/2004	1.52	0.3 U	0.56 U	1.11	-0.006 U	-0.006 U	34.3	34.5	0.3 U	1.32
SB-09-B	27	47	N	6/6/2004	1.6	1.2 U	0.82 U	1.2	-0.015 U	-0.032 U	29.8	40.4	1.2 U	1.6
SB-09-B	27	57	N	6/6/2004	0.7 U	3.2 U	0.23 U	1.77	0.015 U	-0.023 U	33.3	41.1	3.2 U	1.56
SB-09-B	27	97	N	6/6/2004	1.34	7.3	1.1 U	5.41	-0.005 U	0.007 U	66	49.2	7.3	1.23
SB-09-B	27	117	N	6/6/2004	0.45 U	5.6 U	0.22 U	3.8	0.012 U	0.05 U	40.7	34.7	5.6 U	0.64
SW-10	9	60	N	2/2/2000	--	--	--	--	--	--	20.2	19.9	--	--

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.

TABLE B-9
SOIL RADIONUCLIDES DATA
TIMET PONDS SUB-AREA
(Page 2 of 3)

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-09-B	27	0	N	6/6/2004	0.86	1.06 U	0.58	0.92	2.4	0 U	23.8	0.02 U	0.12 U	2.4
SB-09-B	27	7	N	6/6/2004	0.96	0.26 U	0.47	0.7	3.2	0 U	22.3	-0.02 U	0.44 U	3.2
SB-09-B	27	17	N	6/6/2004	1.06	1.4 U	0.65 U	1.17	3.7	0 U	22.4	-0.13 U	-0.01 U	3.7
SB-09-B	27	27	N	6/6/2004	1.07	0.3 U	0.36 U	1.11	4.5	0 U	21.2	-0.16 U	-0.13 U	4.5
SB-09-B	27	47	N	6/6/2004	1.28	1.2 U	0.52 U	1.2	3.1	0 U	23.9	-0.21 U	0.13 U	3.1
SB-09-B	27	57	N	6/6/2004	2.49	3.2 U	0.15 U	1.77	5.9	0 U	22.5	-0.28 U	0.05 U	5.9
SB-09-B	27	97	N	6/6/2004	6.18	7.3	0.73 U	5.41	11.3	0 U	15.1	-0.25 U	0.7 U	11.3
SB-09-B	27	117	N	6/6/2004	4.03	5.6 U	0.14 U	3.8	6.9	0 U	7.2	0.08 U	0.53 U	6.9
SW-10	9	60	N	2/2/2000	--	--	--	--	--	--	--	--	--	--

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.

TABLE B-9
SOIL RADIONUCLIDES DATA
TIMET PONDS SUB-AREA
(Page 3 of 3)

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-09-B	27	0	N	6/6/2004	1.76	1.68	0.52	1.46	1.08	1.34	1.97	0.8	0.044 U	0.81
SB-09-B	27	7	N	6/6/2004	1.42	1.64	0.48	1.49	1.18	1.24	1.2	1.22	0.117	1.05
SB-09-B	27	17	N	6/6/2004	1.72	2.28	0.44	1.32	1.08	1.24	1.83	1.44	0.067	1.13
SB-09-B	27	27	N	6/6/2004	2.22	1.77	0.42	1.51	1.29	1.36	1.38	1.16	0.092	1.12
SB-09-B	27	47	N	6/6/2004	2.03	1.54	0.56	1.21	1.65	1.3	0.75 U	1.41	0.056 U	1.35
SB-09-B	27	57	N	6/6/2004	3.38	1.17	0.42	1.33	2.44	1.26	2.78	2.24	0.146	2.11
SB-09-B	27	97	N	6/6/2004	6.99	1.84	0.3 U	1.07	5.3	0.96	5.4	5.28	0.38	5.73
SB-09-B	27	117	N	6/6/2004	5.43	1.1	0.31	0.53	4.04	0.58	4.5	4.02	0.15	3.87
SW-10	9	60	N	2/2/2000	2.68	1.15 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 pCi/g.

-- = no sample data.

TABLE B-10
SOIL GLYCOL/ALCOHOLS, ORGANIC ACIDS, TPH, AND CHLORINATED HERBICIDES DATA
TIMET PONDS SUB-AREA
(Page 1 of 2)

					Alcohols/Glycols				Organic Acids			
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
SB-09-B	27	0	N	6/6/2004	< 53 U	< 53 U	< 53 U	< 53 U	< 1 U	< 1 U	< 1 U	< 1 U
SB-09-B	27	7	N	6/6/2004	< 53 U	64	< 53 U	< 53 U	< 1 U	< 1 U	< 1 U	< 1 U
SB-09-B	27	17	N	6/6/2004	< 55 U	< 55 U	< 55 U	< 55 U	< 1 U	< 1 U	< 1 U	< 1 U
SB-09-B	27	27	N	6/6/2004	< 53 U	< 53 U	< 53 U	< 53 U	< 1 U	< 1 U	< 1 U	< 1 U
SB-09-B	27	47	N	6/6/2004	< 73 U	< 73 U	< 73 U	< 73 U	< 1 U	< 1 U	< 1 U	< 1 U
SB-09-B	27	57	N	6/6/2004	< 77 U	< 77 U	< 77 U	< 77 U	< 1 U	< 1 U	< 1 U	< 1 U
SB-09-B	27	97	N	6/6/2004	< 73 U	< 73 U	< 73 U	< 73 U	< 1 U	< 1 U	< 1 U	< 1 U
SB-09-B	27	117	N	6/6/2004	< 79 U	< 79 U	< 79 U	< 79 U	< 1 U	< 1 U	< 1 U	< 1 U
WC-TA01	39	0	N	8/1/2006	--	--	--	--	--	--	--	--
WC-TB01	39	0	N	8/2/2006	--	--	--	--	--	--	--	--
WC-TB02	39	0	N	8/2/2006	--	--	--	--	--	--	--	--
WC-TB03	39	0	N	8/2/2006	--	--	--	--	--	--	--	--
WC-TB04	39	0	N	8/2/2006	--	--	--	--	--	--	--	--
WC-TD01	39	0	N	7/31/2006	--	--	--	--	--	--	--	--
WC-TE01	39	0	N	7/31/2006	--	--	--	--	--	--	--	--
WC-TP01	39	0	N	8/9/2006	--	--	--	--	--	--	--	--
WC-TP02	39	0	N	8/4/2006	--	--	--	--	--	--	--	--
WC-TP03	39	0	N	8/4/2006	--	--	--	--	--	--	--	--
WC-TP04	39	0	N	8/9/2006	--	--	--	--	--	--	--	--
WC-TP05	39	0	N	8/4/2006	--	--	--	--	--	--	--	--
WC-TP06	39	0	N	8/4/2006	--	--	--	--	--	--	--	--
WC-TP07	39	0	N	8/8/2006	--	--	--	--	--	--	--	--
WC-TP08	39	0	N	8/7/2006	--	--	--	--	--	--	--	--
WC-TP09	39	0	N	8/3/2006	--	--	--	--	--	--	--	--
WC-TP10	39	0	N	8/7/2006	--	--	--	--	--	--	--	--
WC-TP11	39	0	N	8/8/2006	--	--	--	--	--	--	--	--
WC-TP12	39	0	N	8/8/2006	--	--	--	--	--	--	--	--
WC-TP13	39	0	N	8/7/2006	--	--	--	--	--	--	--	--
WC-TP14	39	0	N	8/8/2006	--	--	--	--	--	--	--	--
WC-TP15	39	0	N	8/7/2006	--	--	--	--	--	--	--	--
WC-TP16	39	0	N	8/8/2006	--	--	--	--	--	--	--	--
WC-TW01	39	0	N	8/1/2006	--	--	--	--	--	--	--	--
WC-TW02	39	0	N	8/1/2006	--	--	--	--	--	--	--	--
WC-TW03	39	0	N	8/2/2006	--	--	--	--	--	--	--	--

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
TIMET PONDS SUB-AREA
(Page 2 of 2)

					Chlorinated Herbicides									
Sample ID	Dataset	Depth (ft bgs)	Sample Type	Sample Date	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-09-B	27	0	N	6/6/2004	< 0.042 UJ	< 0.021 U	< 0.021 UJ	< 0.085 U	< 0.085 U	< 0.042 U	< 0.085 U	< 0.013 UJ-	< 8.5 U	< 8.5 U
SB-09-B	27	7	N	6/6/2004	< 0.042 U	< 0.021 U	< 0.021 U	< 0.085 U	< 0.085 U	< 0.042 U	< 0.085 U	< 0.027 UJ-	< 8.5 U	< 8.5 U
SB-09-B	27	17	N	6/6/2004	< 0.044 U	< 0.022 U	< 0.022 U	< 0.088 U	< 0.088 U	< 0.044 U	< 0.088 U	< 0.027 UJ-	< 8.8 U	< 8.8 U
SB-09-B	27	27	N	6/6/2004	< 0.042 U	< 0.021 U	< 0.021 U	< 0.085 U	< 0.085 U	< 0.042 U	< 0.085 U	< 0.013 UJ-	< 8.5 U	< 8.5 U
SB-09-B	27	47	N	6/6/2004	< 0.058 U	< 0.029 U	< 0.029 U	< 0.12 U	< 0.12 U	< 0.058 U	< 0.12 U	< 0.037 UJ-	< 12 U	< 12 U
SB-09-B	27	57	N	6/6/2004	< 0.062 U	< 0.031 U	< 0.031 U	< 0.12 U	< 0.12 U	< 0.062 U	< 0.12 U	< 0.039 UJ-	< 12 U	< 12 U
SB-09-B	27	97	N	6/6/2004	< 0.059 U	< 0.029 U	< 0.029 U	< 0.12 U	< 0.12 U	< 0.059 U	< 0.12 U	< 0.018 UJ-	< 12 U	< 12 U
SB-09-B	27	117	N	6/6/2004	< 0.063 U	< 0.031 U	< 0.031 U	< 0.13 U	< 0.13 U	< 0.063 U	< 0.13 U	< 0.039 UJ-	< 13 U	< 13 U
WC-TA01	39	0	N	8/1/2006	--	< 0.0053 U	< 0.0034 U	< 0.031 U	--	--	--	< 0.0063 U	--	--
WC-TB01	39	0	N	8/2/2006	--	< 0.0051 U	< 0.0033 U	< 0.03 U	--	--	--	< 0.0061 U	--	--
WC-TB02	39	0	N	8/2/2006	--	< 0.0052 U	< 0.0034 U	< 0.031 U	--	--	--	< 0.0062 U	--	--
WC-TB03	39	0	N	8/2/2006	--	< 0.0051 U	< 0.0033 U	< 0.03 U	--	--	--	< 0.0061 U	--	--
WC-TB04	39	0	N	8/2/2006	--	< 0.0051 U	< 0.0033 U	< 0.03 U	--	--	--	< 0.0061 U	--	--
WC-TD01	39	0	N	7/31/2006	--	< 0.0051 U	< 0.0033 U	< 0.03 U	--	--	--	< 0.0061 U	--	--
WC-TE01	39	0	N	7/31/2006	--	< 0.0051 U	< 0.0033 U	< 0.03 U	--	--	--	< 0.0061 U	--	--
WC-TP01	39	0	N	8/9/2006	--	< 0.0082 U	< 0.0053 U	< 0.048 U	--	--	--	< 0.0097 U	--	--
WC-TP02	39	0	N	8/4/2006	--	< 0.0084 U	< 0.0054 U	< 0.049 U	--	--	--	< 0.0099 U	--	--
WC-TP03	39	0	N	8/4/2006	--	< 0.0069 U	< 0.0045 U	< 0.041 U	--	--	--	< 0.0082 U	--	--
WC-TP04	39	0	N	8/9/2006	--	< 0.0087 U	< 0.0056 U	< 0.051 U	--	--	--	< 0.01 U	--	--
WC-TP05	39	0	N	8/4/2006	--	< 0.0088 U	< 0.0057 U	< 0.051 U	--	--	--	< 0.01 U	--	--
WC-TP06	39	0	N	8/4/2006	--	< 0.0081 U	< 0.0053 U	< 0.048 U	--	--	--	< 0.0096 U	--	--
WC-TP07	39	0	N	8/8/2006	--	< 0.0071 U	< 0.0046 U	< 0.042 U	--	--	--	< 0.0085 U	--	--
WC-TP08	39	0	N	8/7/2006	--	< 0.016 U	< 0.01 U	< 0.094 U	--	--	--	< 0.019 U	--	--
WC-TP09	39	0	N	8/3/2006	--	< 0.0085 U	< 0.0055 U	< 0.05 U	--	--	--	< 0.01 U	--	--
WC-TP10	39	0	N	8/7/2006	--	< 0.0077 U	< 0.005 U	< 0.045 U	--	--	--	< 0.0091 U	--	--
WC-TP11	39	0	N	8/8/2006	--	< 0.0084 U	< 0.0054 U	< 0.049 U	--	--	--	< 0.0099 U	--	--
WC-TP12	39	0	N	8/8/2006	--	< 0.0074 U	< 0.0048 U	< 0.043 U	--	--	--	< 0.0088 U	--	--
WC-TP13	39	0	N	8/7/2006	--	< 0.0073 U	< 0.0048 U	< 0.043 U	--	--	--	< 0.0087 U	--	--
WC-TP14	39	0	N	8/8/2006	--	< 0.013 U	< 0.0082 U	< 0.074 U	--	--	--	< 0.015 U	--	--
WC-TP15	39	0	N	8/7/2006	--	< 0.0063 U	< 0.0041 U	< 0.037 U	--	--	--	< 0.0075 U	--	--
WC-TP16	39	0	N	8/8/2006	--	< 0.0082 U	< 0.0053 U	< 0.048 U	--	--	--	< 0.0097 U	--	--
WC-TW01	39	0	N	8/1/2006	--	< 0.0058 U	< 0.0037 U	< 0.034 U	--	--	--	< 0.0068 U	--	--
WC-TW02	39	0	N	8/1/2006	--	< 0.0056 U	< 0.0036 U	< 0.033 U	--	--	--	< 0.0066 U	--	--
WC-TW03	39	0	N	8/2/2006	--	< 0.0057 U	< 0.0037 U	< 0.034 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.

TABLE B-11
SOIL POLYAROMATIC HYDROCARBON DATA
TIMET PONDS SUB-AREA
(Page 1 of 1)

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-02	1a	0	N	4/18/1996	< 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
ADB-02	1a	5	N	4/18/1996	< 0.72 U	< 0.72 U	< 0.72 U	< 0.72 U	< 0.72 U	< 0.72 U	< 0.72 U	< 0.72 U	< 0.72 U	< 0.72 U	< 0.72 U	< 0.72 U	< 0.72 U
ADB-03	1a	0	N	4/18/1996	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U
SB-09-B	27	0	N	6/6/2004	< 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-09-B	27	7	N	6/6/2004	< 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-09-B	27	17	N	6/6/2004	< 0.055 U	< 0.11 U	< 0.033 U	< 0.016 U	< 0.016 U	< 0.016 U	< 0.033 U	< 0.016 U	< 0.016 U	< 0.033 U	< 0.016 U	< 0.033 U	< 0.033 U
SB-09-B	27	27	N	6/6/2004	< 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-09-B	27	47	N	6/6/2004	< 0.073 U	< 0.15 U	< 0.044 U	< 0.022 U	< 0.022 U	< 0.022 U	< 0.044 U	< 0.022 U	< 0.022 U	< 0.044 U	< 0.022 U	< 0.044 U	< 0.044 U
SB-09-B	27	57	N	6/6/2004	< 0.077 U	< 0.15 U	< 0.046 U	< 0.023 U	< 0.023 U	< 0.023 U	< 0.046 U	< 0.023 U	< 0.023 U	< 0.046 U	< 0.023 U	< 0.046 U	< 0.046 U
SB-09-B	27	97	N	6/6/2004	< 0.073 U	< 0.15 U	< 0.044 U	< 0.022 U	< 0.022 U	< 0.022 U	< 0.044 U	< 0.022 U	< 0.022 U	< 0.044 U	< 0.022 U	< 0.044 U	< 0.044 U
SB-09-B	27	117	N	6/6/2004	< 0.079 U	< 0.16 U	< 0.047 U	< 0.024 U	< 0.024 U	< 0.024 U	< 0.047 U	< 0.024 U	< 0.024 U	< 0.047 U	< 0.024 U	< 0.047 U	< 0.047 U
WC-TA01	39	0	N	8/1/2006	< 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
WC-TB01	39	0	N	8/2/2006	< 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
WC-TB02	39	0	N	8/2/2006	< 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
WC-TB03	39	0	N	8/2/2006	< 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
WC-TB04	39	0	N	8/2/2006	< 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
WC-TD01	39	0	N	7/31/2006	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U	0.036 J	< 0.034 U	< 0.034 U	< 0.034 U	< 0.034 U
WC-TE01	39	0	N	7/31/2006	< 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
WC-TP01	39	0	N	8/9/2006	< 0.055 U	< 0.055 U	< 0.055 U	< 0.055 U	< 0.055 U	< 0.055 U	< 0.055 U	< 0.055 U	< 0.055 U	< 0.055 U	< 0.055 U	< 0.055 U	< 0.055 U
WC-TP02	39	0	N	8/4/2006	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U
WC-TP03	39	0	N	8/4/2006	< 0.046 U	< 0.046 U	< 0.046 U	< 0.046 U	< 0.046 U	< 0.046 U	< 0.046 U	< 0.046 U	< 0.046 U	< 0.046 U	< 0.046 U	< 0.046 U	< 0.046 U
WC-TP04	39	0	N	8/9/2006	< 0.058 U	< 0.058 U	< 0.058 U	< 0.058 U	< 0.058 U	< 0.058 U	< 0.058 U	< 0.058 U	< 0.058 U	< 0.058 U	< 0.058 U	< 0.058 U	< 0.058 U
WC-TP05	39	0	N	8/4/2006	< 0.059 U	< 0.059 U	< 0.059 U	< 0.059 U	< 0.059 U	< 0.059 U	< 0.059 U	< 0.059 U	< 0.059 U	< 0.059 U	< 0.059 U	< 0.059 U	< 0.059 U
WC-TP06	39	0	N	8/4/2006	< 0.054 U	< 0.054 U	< 0.054 U	< 0.054 U	< 0.054 U	< 0.054 U	< 0.054 U	< 0.054 U	< 0.054 U	< 0.054 U	< 0.054 U	< 0.054 U	< 0.054 U
WC-TP07	39	0	N	8/8/2006	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
WC-TP08	39	0	N	8/7/2006	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U
WC-TP09	39	0	N	8/3/2006	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U
WC-TP10	39	0	N	8/7/2006	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 UJ	< 0.051 UJ	< 0.051 UJ	< 0.051 UJ	< 0.051 U	< 0.051 UJ	< 0.051 UJ	< 0.051 U	< 0.051 U
WC-TP11	39	0	N	8/8/2006	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U	< 0.056 U
WC-TP12	39	0	N	8/8/2006	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U
WC-TP13	39	0	N	8/7/2006	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
WC-TP14	39	0	N	8/8/2006	< 0.085 U	< 0.085 U	< 0.085 U	< 0.085 U	< 0.085 U	< 0.085 U	< 0.085 U	< 0.085 U	< 0.085 U	< 0.085 U	< 0.085 U	< 0.085 U	< 0.085 U
WC-TP15	39	0	N	8/7/2006	< 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
WC-TP16	39	0	N	8/8/2006	< 0.055 U	< 0.055 U	< 0.055 U	< 0.055 U	< 0.055 U	< 0.055 U	< 0.055 U	< 0.055 U	< 0.055 U	< 0.055 U	< 0.055 U	< 0.055 U	< 0.055 U
WC-TW01	39	0	N	8/1/2006	< 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	0.058 J	< 0.038 U
WC-TW02	39	0	N	8/1/2006	0.53	0.38	2.8	5.8	4.1	4.3	2.1	3.8	5.3	0.94	2.2	14	7.3
WC-TW03	39	0	N	8/2/2006	< 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

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-12
POND/POND CRUST DATA
TIMET PONDS SUB-AREA
(Page 1 of 5)

					General Chemistry							Metals			
Sample ID	**Dataset**	**Sample Matrix**	**Result Units**	**Sample Date**	Bicarbonate alkalinity	Carbonate alkalinity	Chloride	Hydroxide alkalinity	Nitrite	Sulfate	Total Alkalinity	Arsenic	Barium	Cadmium	Calcium
HP-2-P/HP-3-1/HP-3-2/HP-5-	9	Pond / Pond Crust	mg/kg	2/10/2000	100	ND	70000	ND	1400	26000	100	< 5 U	51	< 0.5 U	45000
SC1-POND	9	Pond / Pond Crust	mg/kg	2/8/2000	ND	ND	180000	ND	1900	5100	< 25 U	< 5 U	330	1.6	26000
SC1-POND	9	Pond / Pond Crust	mg/kg	2/14/2000	ND	ND	180000	ND	2000	5700	< 25 U	< 5 U	68	< 0.5 U	40000
SW12P/SW10P/SW11P	9	Pond / Pond Crust	mg/kg	2/4/2000	ND	ND	220000	ND	3100	1200	< 25 U	< 5 U	31	< 0.5 U	45000
SW3PC/SW3P/SW6P/SW2P	9	Pond / Pond Crust	mg/kg	2/2/2000	550	670	360000	ND	860	6500	1200	< 5 U	30	< 0.5 U	6600
SW-5-POND/SW-9-POND	9	Pond / Pond Crust	mg/kg	2/14/2000	86	ND	200000	ND	3500	11000	86	< 5 U	68	< 0.5 U	38000
SW-7-POND/SW-4-POND	9	Pond / Pond Crust	mg/kg	2/11/2000	1.3	77	210000	ND	3600	2000	78	< 5 U	40	< 0.5 U	83000
SC1-POND	9	Pond / Pond Crust	mg/L	2/14/2000	--	--	--	--	--	--	--	--	--	--	--
SW12P/SW10P/SW11P	9	Pond / Pond Crust	mg/L	2/11/2000	--	--	--	--	--	--	--	--	--	--	--
SW3PC/SW3P/SW6P/SW2P	9	Pond / Pond Crust	mg/L	2/2/2000	--	--	--	--	--	--	--	--	--	--	--
SW-5-POND/SW-9-POND	9	Pond / Pond Crust	mg/L	2/14/2000	--	--	--	--	--	--	--	--	--	--	--
SW-7-POND/SW-4-POND	9	Pond / Pond Crust	mg/L	2/11/2000	--	--	--	--	--	--	--	--	--	--	--
HP-3-POND	9	Pond Water	pCi/L	2/4/2000	--	--	--	--	--	--	--	--	--	--	--

-- = no sample data.

TABLE B-12
POND/POND CRUST DATA
TIMET PONDS SUB-AREA
(Page 2 of 5)

Sample ID	Dataset	Sample Matrix	Result Units	Sample Date	Metals										
					Chromium	Chromium (VI)	Iron	Lead	Magnesium	Manganese	Mercury	Selenium	Silver	Sodium	Vanadium
HP-2-P/HP-3-1/HP-3-2/HP-5-	9	Pond / Pond Crust	mg/kg	2/10/2000	71	0.02	3800	44	26000	190	< 0.1 U	< 5 U	< 1 U	6300	170
SC1-POND	9	Pond / Pond Crust	mg/kg	2/8/2000	99	0.2	9200	74	57000	710	< 0.1 U	< 5 U	< 1 U	41000	150
SC1-POND	9	Pond / Pond Crust	mg/kg	2/14/2000	--	0.04	6900	--	19000	640	< 0.1 U	< 5 U	28	25000	3700
SW12P/SW10P/SW11P	9	Pond / Pond Crust	mg/kg	2/4/2000	630	0.06	4900	240	30000	540	< 0.1 U	< 5 U	< 1 U	26000	2200
SW3PC/SW3P/SW6P/SW2P	9	Pond / Pond Crust	mg/kg	2/2/2000	--	0.06	4000	--	15000	360	< 0.1 U	< 5 U	6.2	180000	1200
SW-5-POND/SW-9-POND	9	Pond / Pond Crust	mg/kg	2/14/2000	1200	0.09	9400	--	31000	670	< 0.1 U	< 5 U	19	18000	3400
SW-7-POND/SW-4-POND	9	Pond / Pond Crust	mg/kg	2/11/2000	--	0.07	8100	--	31000	510	< 0.1 U	< 5 U	9.5	22000	2000
SC1-POND	9	Pond / Pond Crust	mg/L	2/14/2000	1300	--	--	410	--	--	--	--	--	--	--
SW12P/SW10P/SW11P	9	Pond / Pond Crust	mg/L	2/11/2000	0.57	--	--	< 0.05 U	--	--	--	--	--	--	--
SW3PC/SW3P/SW6P/SW2P	9	Pond / Pond Crust	mg/L	2/2/2000	450	--	--	190	--	--	--	--	--	--	--
SW-5-POND/SW-9-POND	9	Pond / Pond Crust	mg/L	2/14/2000	--	--	--	360	--	--	--	--	--	--	--
SW-7-POND/SW-4-POND	9	Pond / Pond Crust	mg/L	2/11/2000	630	--	--	150	--	--	--	--	--	--	--
HP-3-POND	9	Pond Water	pCi/L	2/4/2000	--	--	--	--	--	--	--	--	--	--	--

-- = no sample data.

TABLE B-12
POND/POND CRUST DATA
TIMET PONDS SUB-AREA
(Page 3 of 5)

					PCBs							OCPs			
Sample ID	**Dataset**	**Sample Matrix**	**Result Units**	**Sample Date**	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	4,4-DDD	4,4-DDE	4,4-DDT	Aldrin
HP-2-P/HP-3-1/HP-3-2/HP-5-	9	Pond / Pond Crust	mg/kg	2/10/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.01 UJ-	< 0.01 UJ-	< 0.01 UJ-	< 0.01 UJ-
SC1-POND	9	Pond / Pond Crust	mg/kg	2/8/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
SC1-POND	9	Pond / Pond Crust	mg/kg	2/14/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.01 UJ-	0.014 UJ-	< 0.01 UJ-	< 0.01 UJ-
SW12P/SW10P/SW11P	9	Pond / Pond Crust	mg/kg	2/4/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
SW3PC/SW3P/SW6P/SW2P	9	Pond / Pond Crust	mg/kg	2/2/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
SW-5-POND/SW-9-POND	9	Pond / Pond Crust	mg/kg	2/14/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.01 U	0.015	< 0.01 UJ	< 0.01 UJ
SW-7-POND/SW-4-POND	9	Pond / Pond Crust	mg/kg	2/11/2000	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
SC1-POND	9	Pond / Pond Crust	mg/L	2/14/2000	--	--	--	--	--	--	--	--	--	--	--
SW12P/SW10P/SW11P	9	Pond / Pond Crust	mg/L	2/11/2000	--	--	--	--	--	--	--	--	--	--	--
SW3PC/SW3P/SW6P/SW2P	9	Pond / Pond Crust	mg/L	2/2/2000	--	--	--	--	--	--	--	--	--	--	--
SW-5-POND/SW-9-POND	9	Pond / Pond Crust	mg/L	2/14/2000	--	--	--	--	--	--	--	--	--	--	--
SW-7-POND/SW-4-POND	9	Pond / Pond Crust	mg/L	2/11/2000	--	--	--	--	--	--	--	--	--	--	--
HP-3-POND	9	Pond Water	pCi/L	2/4/2000	--	--	--	--	--	--	--	--	--	--	--

-- = no sample data.

TABLE B-12
POND/POND CRUST DATA
TIMET PONDS SUB-AREA
(Page 4 of 5)

Sample ID	Dataset	Sample Matrix	Result Units	Sample Date	OCPs										
					alpha-BHC	alpha-Chlordane	beta-BHC	Chlordane	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde
HP-2-P/HP-3-1/HP-3-2/HP-5-	9	Pond / Pond Crust	mg/kg	2/10/2000	< 0.01 UJ-	< 0.01 UJ-	< 0.01 UJ-	< 0.04 UJ-	< 0.01 UJ-	< 0.01 UJ-	< 0.01 UJ-	0.011 J-	< 0.01 UJ-	< 0.01 UJ-	< 0.01 UJ-
SC1-POND	9	Pond / Pond Crust	mg/kg	2/8/2000	< 0.01 U	< 0.01 U	< 0.01 U	< 0.04 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
SC1-POND	9	Pond / Pond Crust	mg/kg	2/14/2000	< 0.01 UJ-	< 0.01 UJ-	< 0.01 UJ-	< 0.04 UJ-	< 0.01 UJ-	< 0.01 UJ-	< 0.01 UJ-	< 0.01 UJ-	< 0.01 UJ-	< 0.01 UJ-	< 0.01 UJ-
SW12P/SW10P/SW11P	9	Pond / Pond Crust	mg/kg	2/4/2000	< 0.01 U	< 0.01 U	< 0.01 U	< 0.04 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
SW3PC/SW3P/SW6P/SW2P	9	Pond / Pond Crust	mg/kg	2/2/2000	< 0.01 U	< 0.01 U	< 0.01 U	< 0.04 U	< 0.01 U	< 0.01 U	< 0.01 U	0.02	< 0.01 U	< 0.01 U	< 0.01 U
SW-5-POND/SW-9-POND	9	Pond / Pond Crust	mg/kg	2/14/2000	< 0.01 U	< 0.01 U	< 0.01 U	< 0.04 U	< 0.01 U	< 0.01 UJ	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 UJ	< 0.01 U
SW-7-POND/SW-4-POND	9	Pond / Pond Crust	mg/kg	2/11/2000	< 0.01 U	< 0.01 U	< 0.01 U	< 0.04 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
SC1-POND	9	Pond / Pond Crust	mg/L	2/14/2000	--	--	--	--	--	--	--	--	--	--	--
SW12P/SW10P/SW11P	9	Pond / Pond Crust	mg/L	2/11/2000	--	--	--	--	--	--	--	--	--	--	--
SW3PC/SW3P/SW6P/SW2P	9	Pond / Pond Crust	mg/L	2/2/2000	--	--	--	--	--	--	--	--	--	--	--
SW-5-POND/SW-9-POND	9	Pond / Pond Crust	mg/L	2/14/2000	--	--	--	--	--	--	--	--	--	--	--
SW-7-POND/SW-4-POND	9	Pond / Pond Crust	mg/L	2/11/2000	--	--	--	--	--	--	--	--	--	--	--
HP-3-POND	9	Pond Water	pCi/L	2/4/2000	--	--	--	--	--	--	--	--	--	--	--

-- = no sample data.

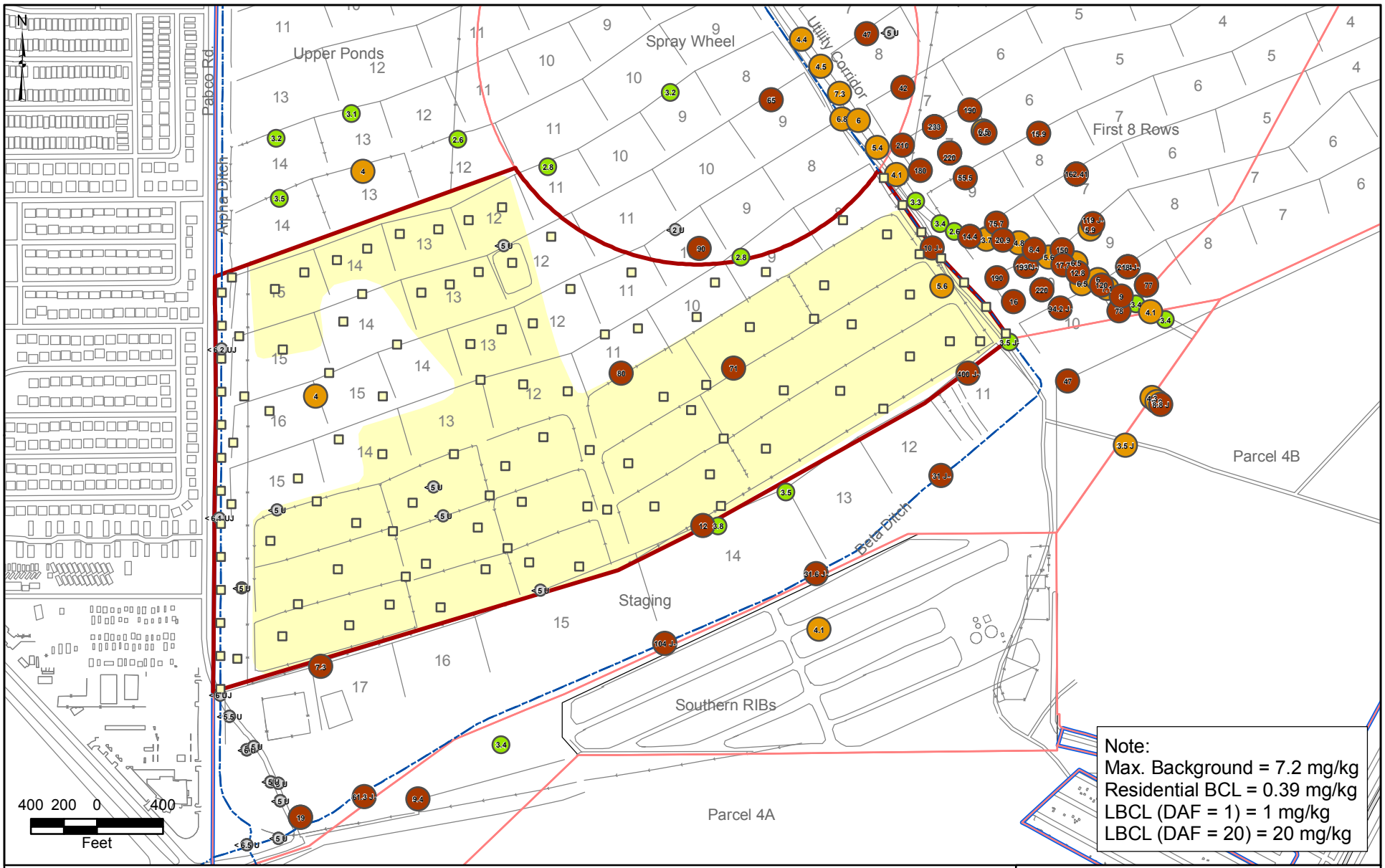
TABLE B-12
POND/POND CRUST DATA
TIMET PONDS SUB-AREA
(Page 5 of 5)

					OCPs							Radionuclides				
Sample ID	**Dataset**	**Sample Matrix**	**Result Units**	**Sample Date**	Endrin ketone	gamma-BHC (Lindane)	gamma-Chlordane	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene	Cesium-137	Gross alpha	Gross beta	Radium-226	Radium-228
HP-2-P/HP-3-1/HP-3-2/HP-5-	9	Pond / Pond Crust	mg/kg	2/10/2000	< 0.01 UJ-	< 0.01 UJ-	< 0.01 UJ-	< 0.01 UJ-	< 0.01 UJ-	< 0.04 UJ-	< 0.12 UJ-	-0.00425 U	19.9	8.41	1.02	0.97
SC1-POND	9	Pond / Pond Crust	mg/kg	2/8/2000	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.04 U	< 0.12 U	--	--	--	--	--
SC1-POND	9	Pond / Pond Crust	mg/kg	2/14/2000	< 0.01 UJ-	< 0.01 UJ-	< 0.01 UJ-	< 0.01 UJ-	< 0.01 UJ-	< 0.04 UJ-	< 0.12 UJ-	--	--	--	--	--
SW12P/SW10P/SW11P	9	Pond / Pond Crust	mg/kg	2/4/2000	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.04 U	< 0.12 U	-0.0412 U	117	43.9	6.21	3.82
SW3PC/SW3P/SW6P/SW2P	9	Pond / Pond Crust	mg/kg	2/2/2000	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.04 U	< 0.12 U	0.0281 U	186	67.9	5.73	4.62
SW-5-POND/SW-9-POND	9	Pond / Pond Crust	mg/kg	2/14/2000	< 0.01 U	< 0.01 UJ	< 0.01 U	< 0.01 UJ	< 0.01 U	< 0.04 U	< 0.12 U	-0.0879 U	263	82.1	13.9	12.3
SW-7-POND/SW-4-POND	9	Pond / Pond Crust	mg/kg	2/11/2000	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.04 U	< 0.12 U	0.00308 U	100	48.6	7.36	3.49
SC1-POND	9	Pond / Pond Crust	mg/L	2/14/2000	--	--	--	--	--	--	--	--	--	--	--	--
SW12P/SW10P/SW11P	9	Pond / Pond Crust	mg/L	2/11/2000	--	--	--	--	--	--	--	--	--	--	--	--
SW3PC/SW3P/SW6P/SW2P	9	Pond / Pond Crust	mg/L	2/2/2000	--	--	--	--	--	--	--	--	--	--	--	--
SW-5-POND/SW-9-POND	9	Pond / Pond Crust	mg/L	2/14/2000	--	--	--	--	--	--	--	--	--	--	--	--
SW-7-POND/SW-4-POND	9	Pond / Pond Crust	mg/L	2/11/2000	--	--	--	--	--	--	--	--	--	--	--	--
HP-3-POND	9	Pond Water	pCi/L	2/4/2000	--	--	--	--	--	--	--	--	14.4 U	10.2 U	73.1	-0.438 U

-- = no sample data.

APPENDIX C

SOIL CONCENTRATION DISTRIBUTION FIGURES



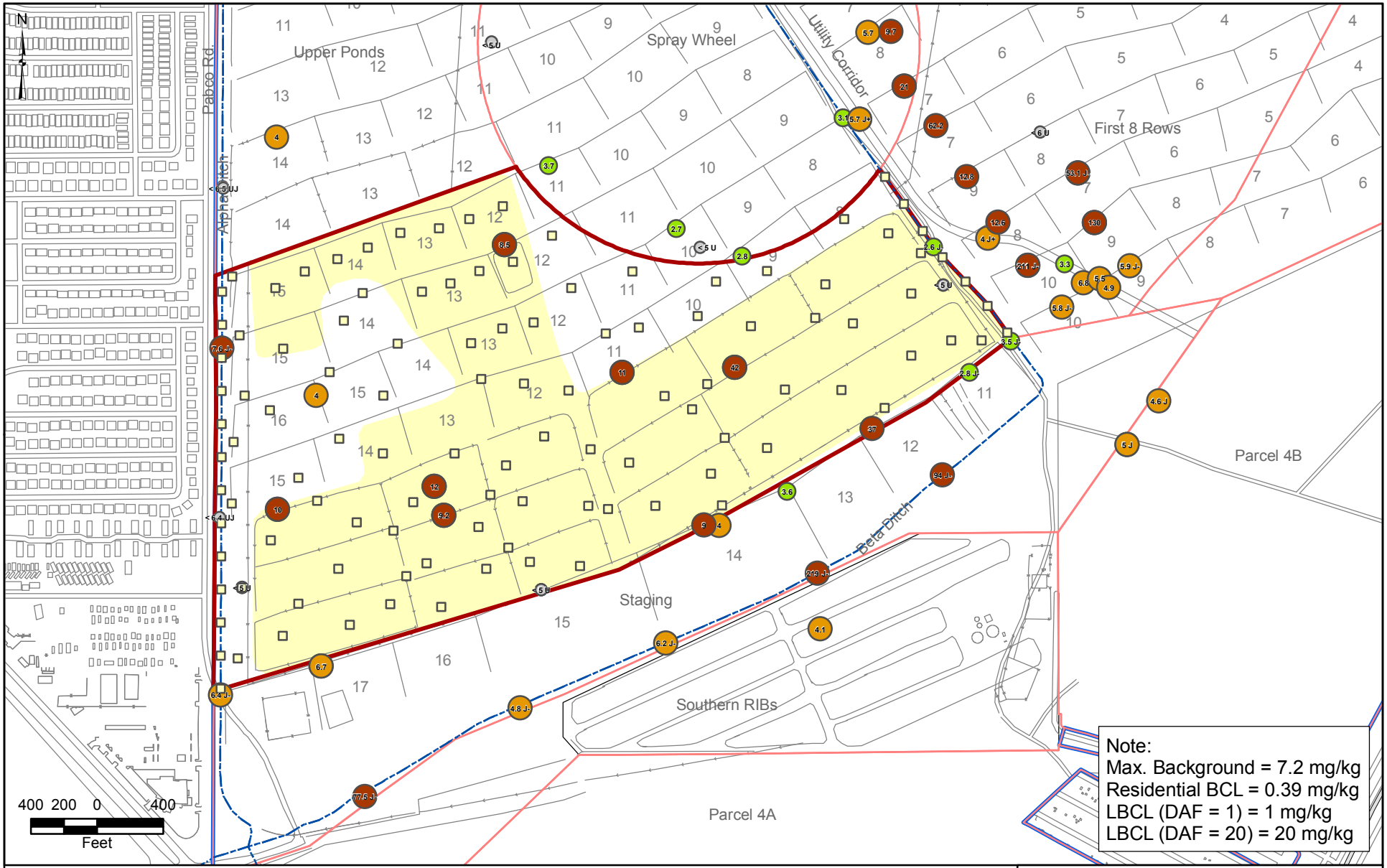
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-1

ARSENIC RESULTS IN TIMET PONDS SUB-AREA AND ADJACENT 1,000 FT 0 to 2 FT BGS

Basic Remediation COMPANY

Prepared by MKJ (ERM) | Date 12/21/09 | JOB No. 0064276
FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



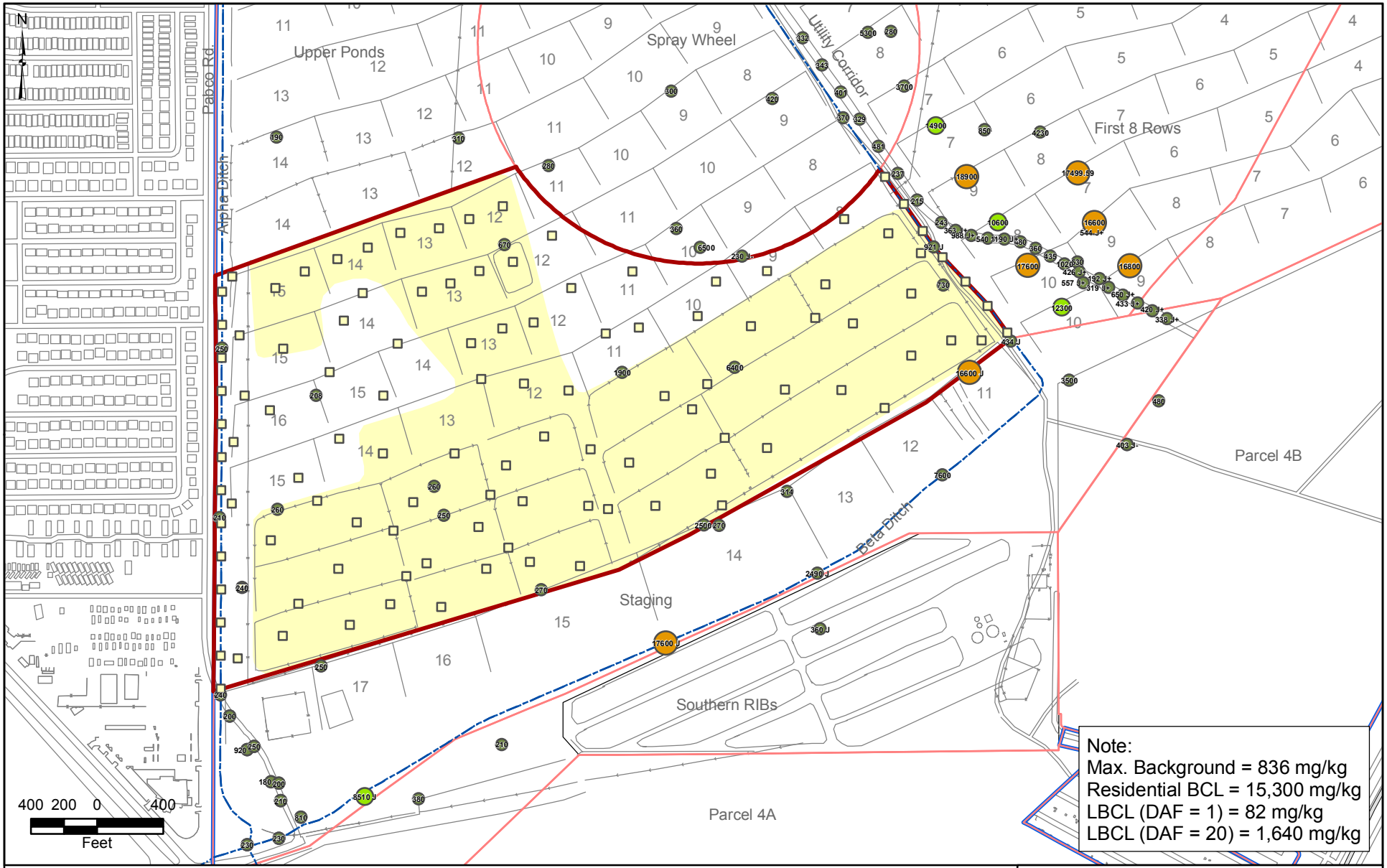
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-2

ARSENIC RESULTS IN TIMET PONDS SUB-AREA AND ADJACENT 1,000 FT 3 to 10 FT BGS

Basic Remediation Company

Prepared by MKJ (ERM) | Date 12/21/09 | JOB No. 0064276
FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



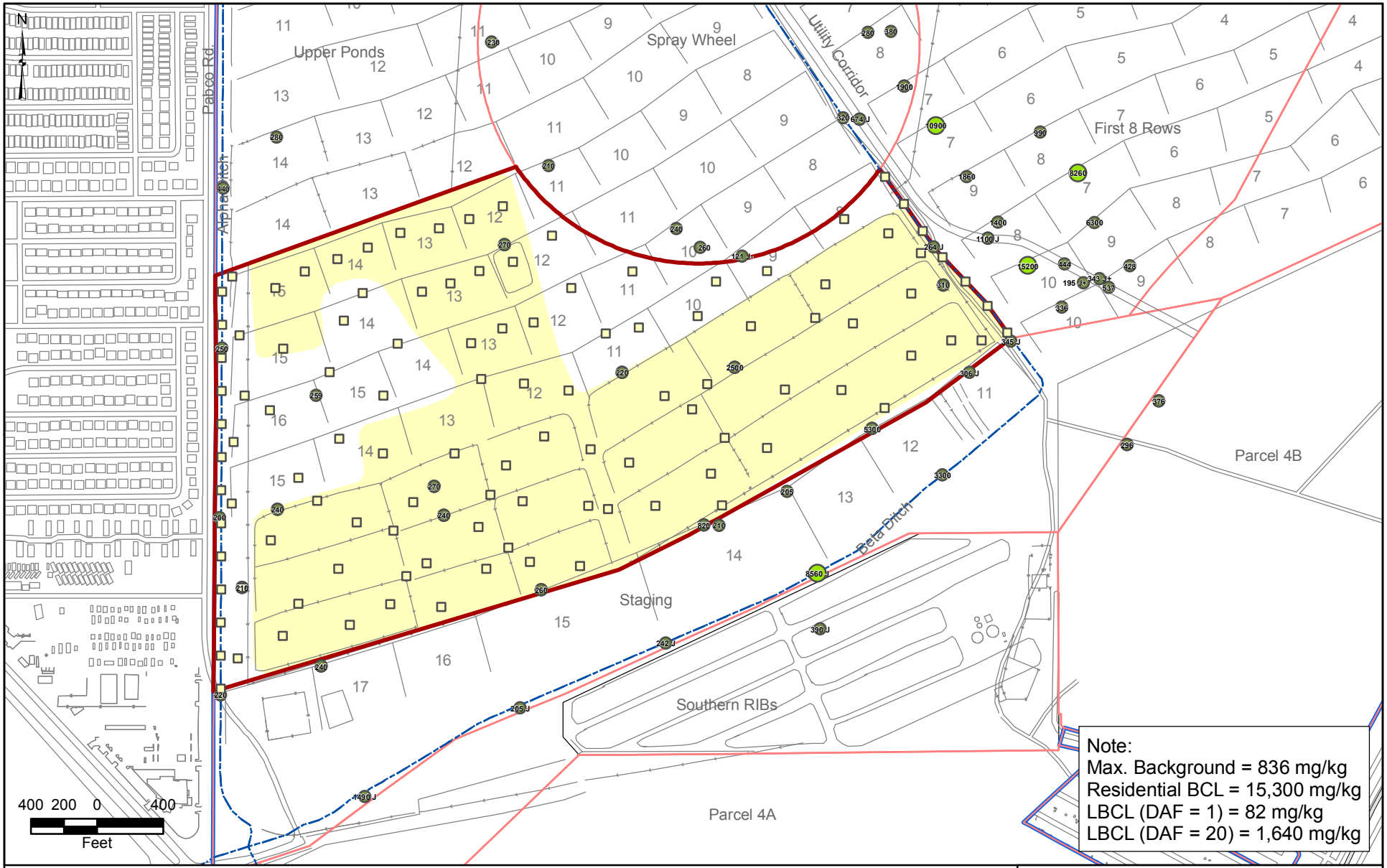
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-3

BARIUM RESULTS IN TIMET PONDS SUB-AREA AND ADJACENT 1,000 FT 0 to 2 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



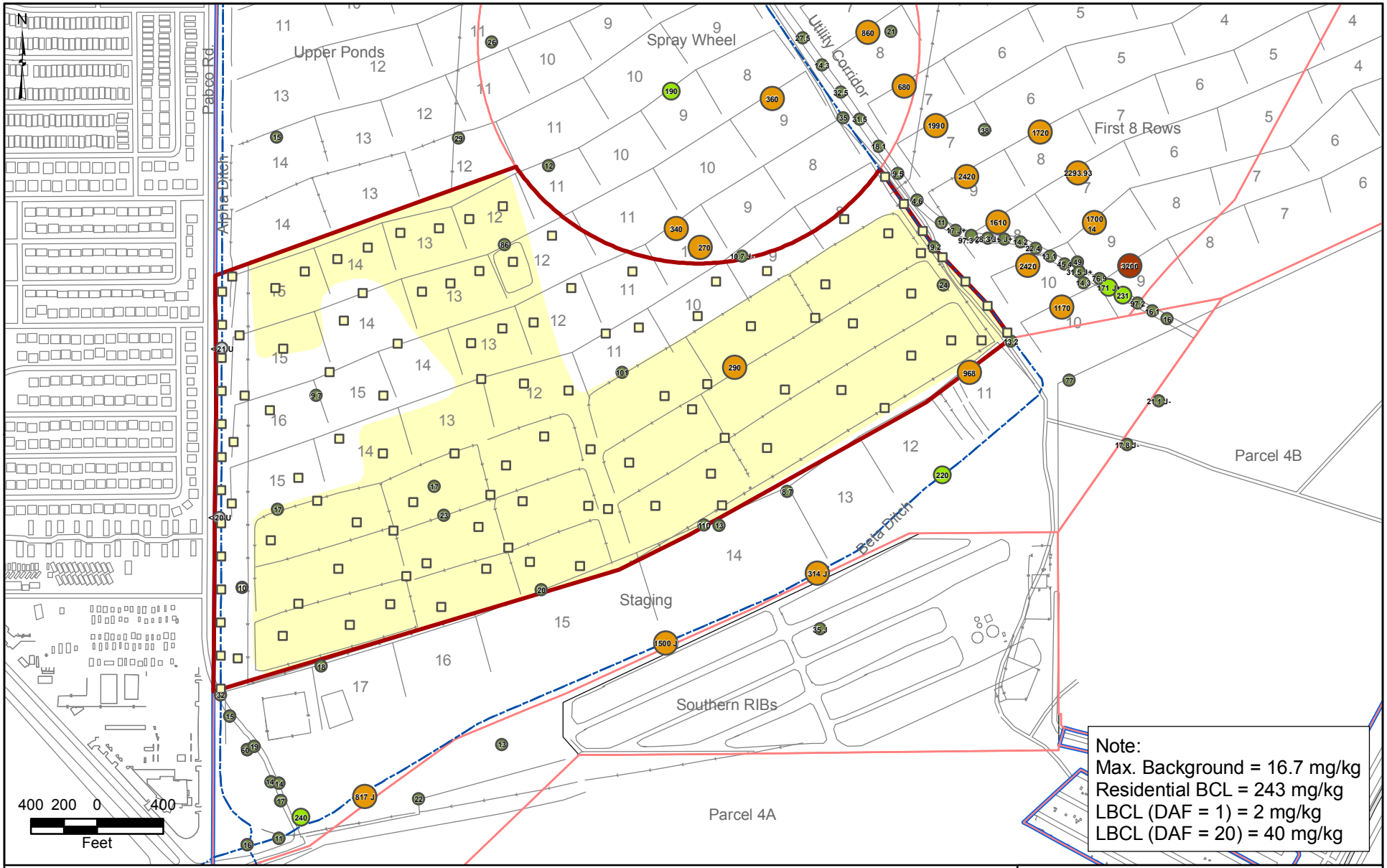
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-4

BARIUM RESULTS IN TIMET PONDS SUB-AREA AND ADJACENT 1,000 FT 3 to 10 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



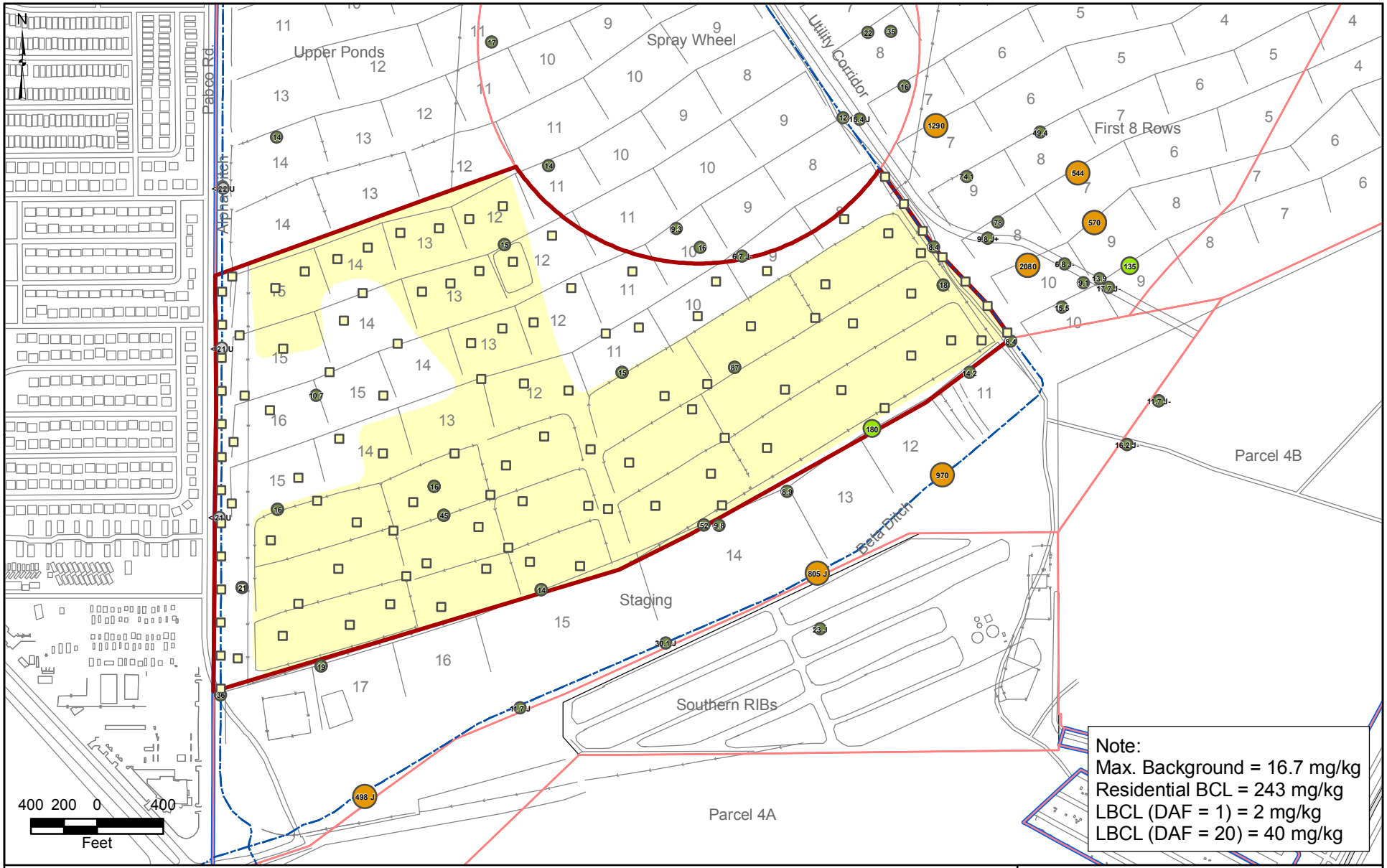
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-5

CHROMIIUM (TOTAL) RESULTS IN TIMET PONDS SUB-AREA AND ADJACENT 1,000 FT - 0 to 2 FT BGS

Basic Remediation COMPANY

Prepared by MKJ (ERM) | ERM | Date 12/21/09 | JOB No. 0064276 | FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



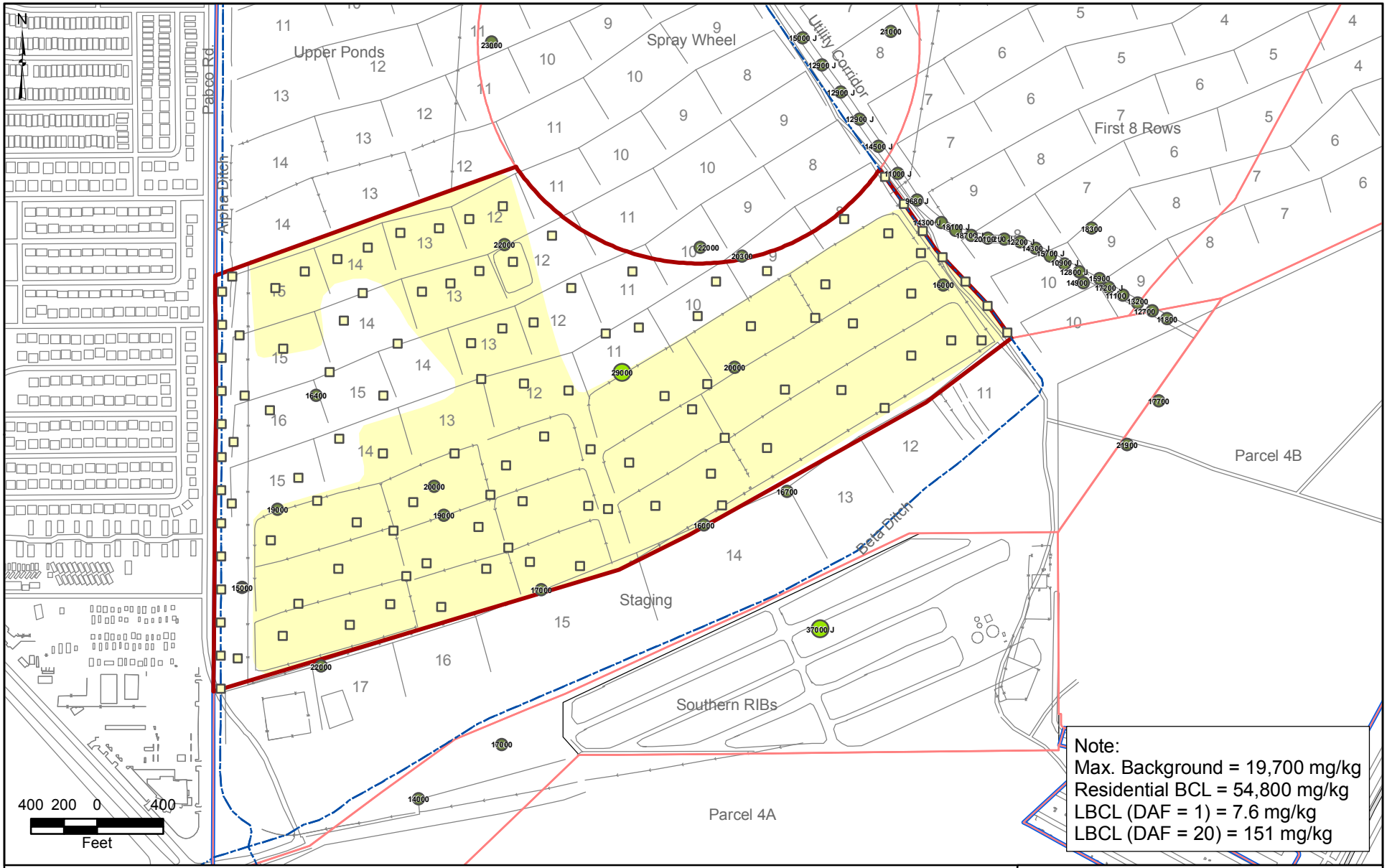
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-6

CHROMIIUM (TOTAL) RESULTS IN TIMET PONDS SUB-AREA AND ADJACENT 1,000 FT - 3 to 10 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



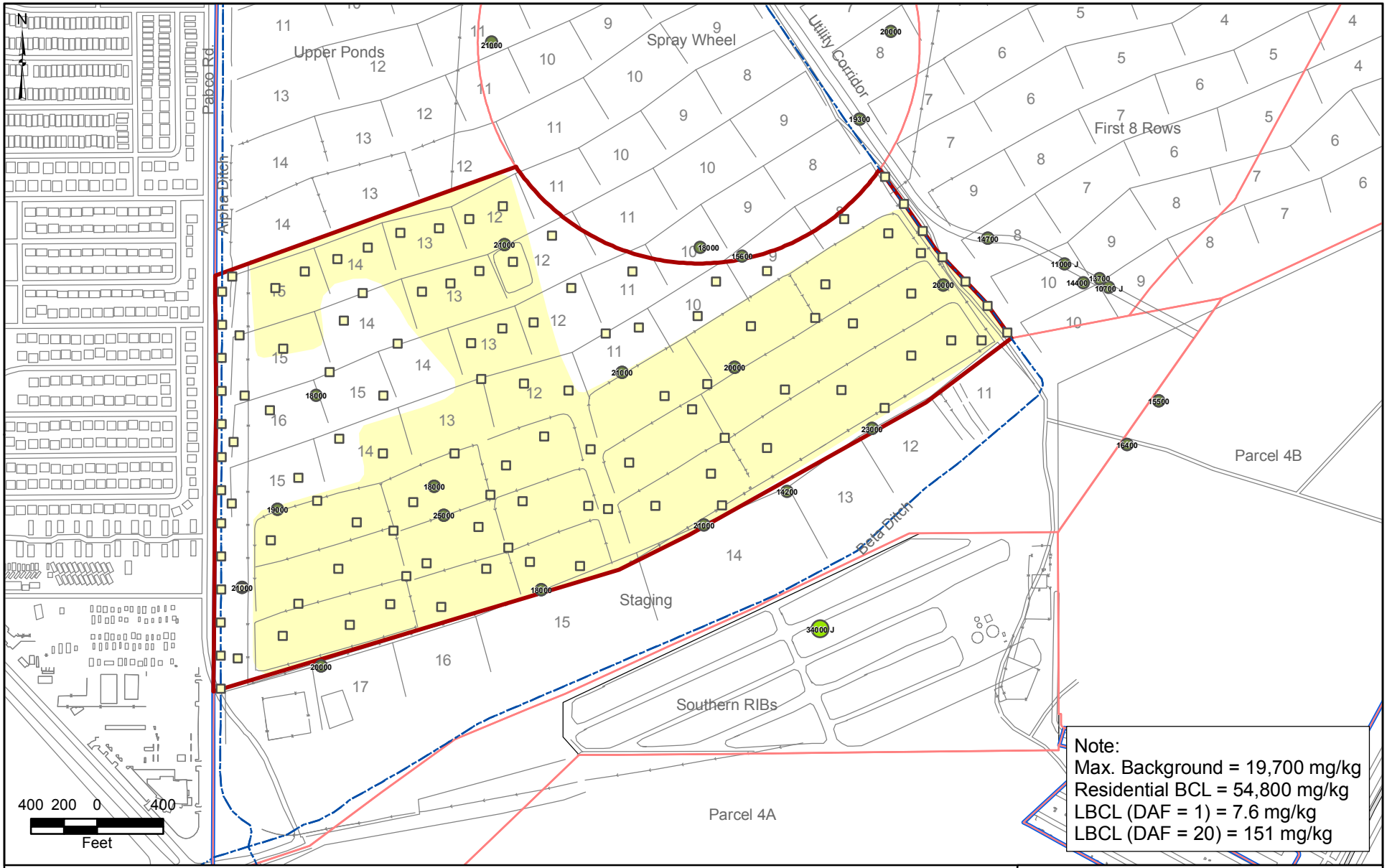
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-7

IRON RESULTS IN
TIMET PONDS SUB-AREA
AND ADJACENT 1,000 FT
0 to 2 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



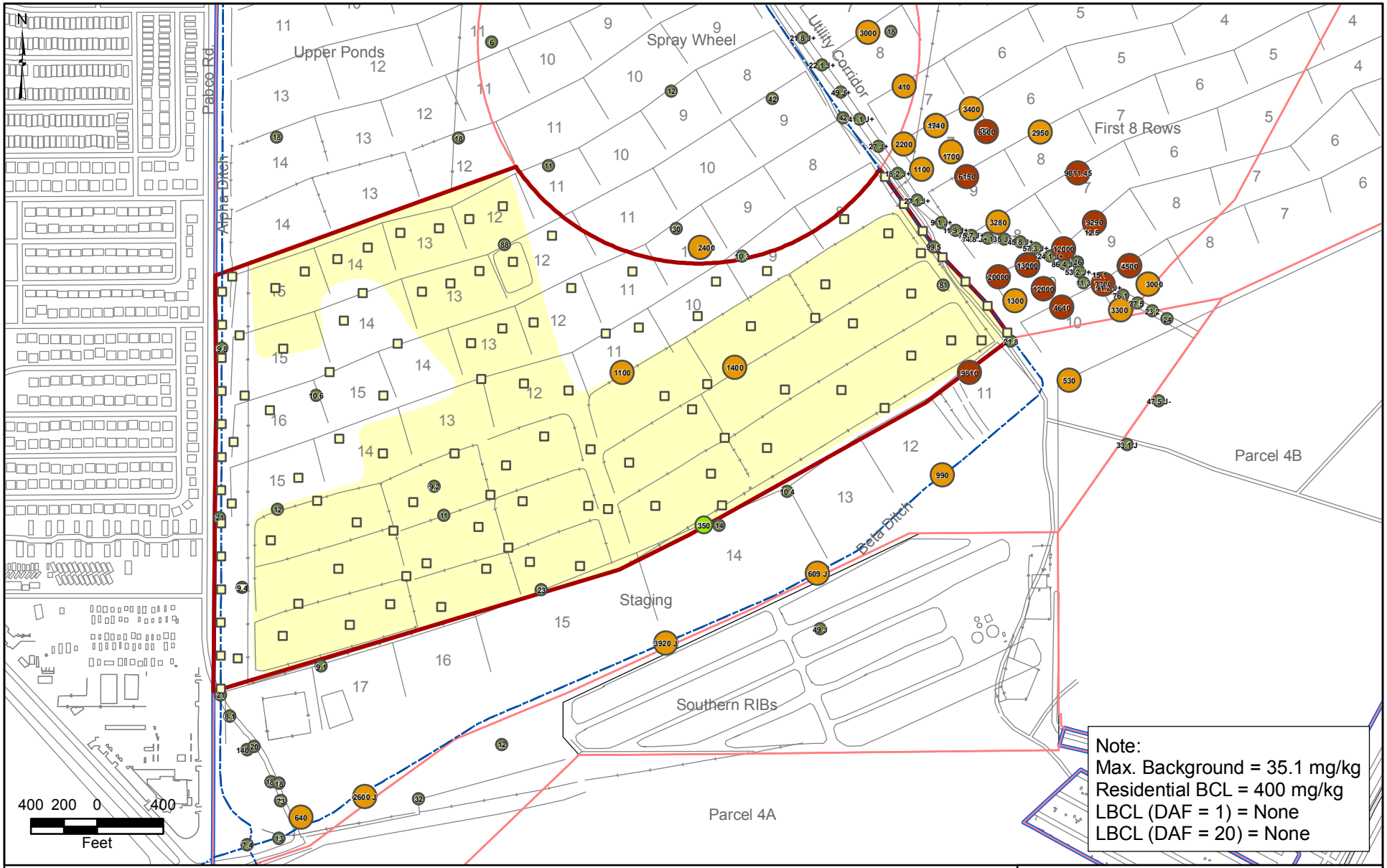
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-8

IRON RESULTS IN
TIMET PONDS SUB-AREA
AND ADJACENT 1,000 FT
3 to 10 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



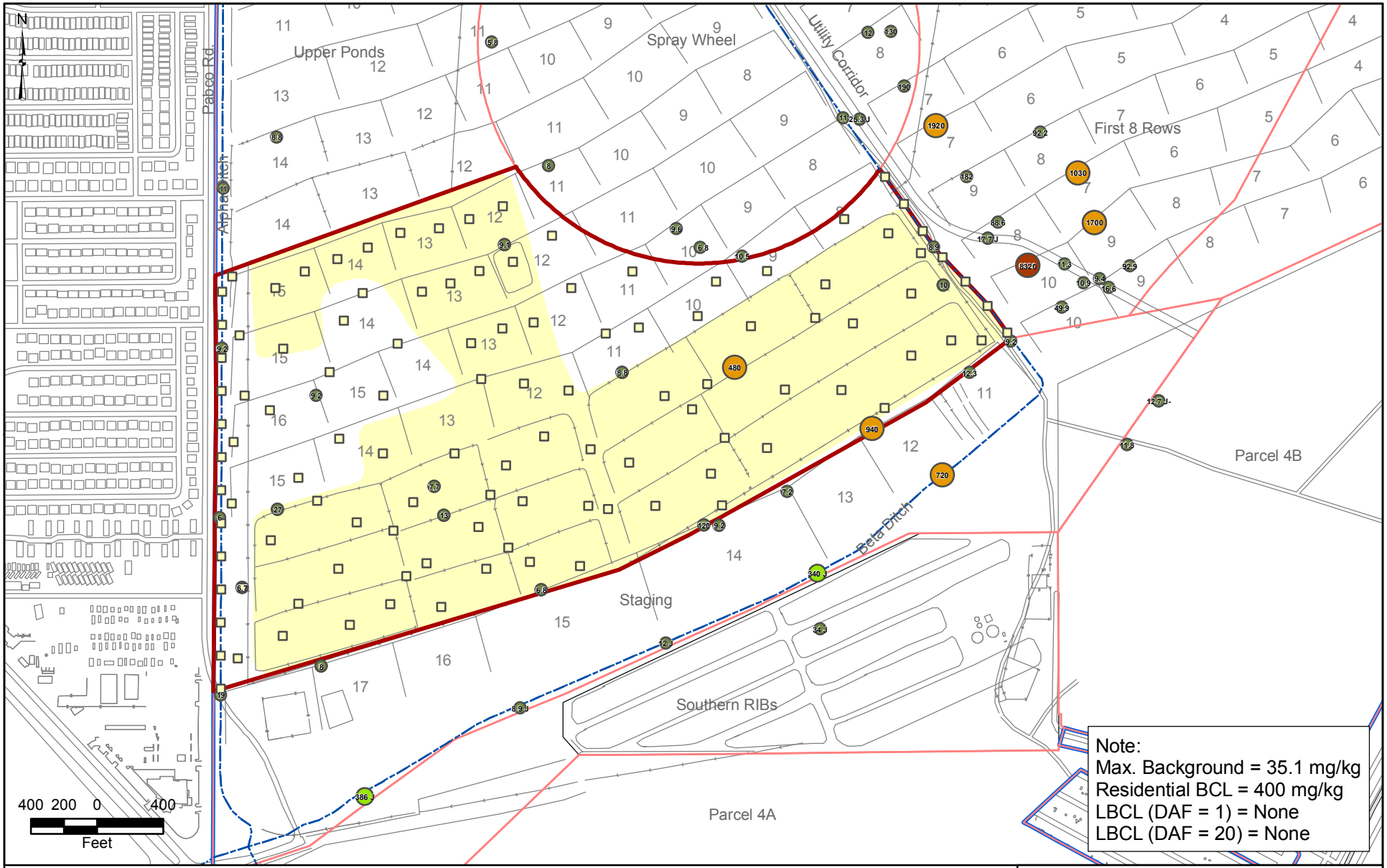
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-9

LEAD RESULTS IN
TIMET PONDS SUB-AREA
AND ADJACENT 1,000 FT
0 to 2 FT BGS

Basic Remediation COMPANY

Prepared by		Date	JOB No. 0064276
MKJ (ERM)	ERM	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



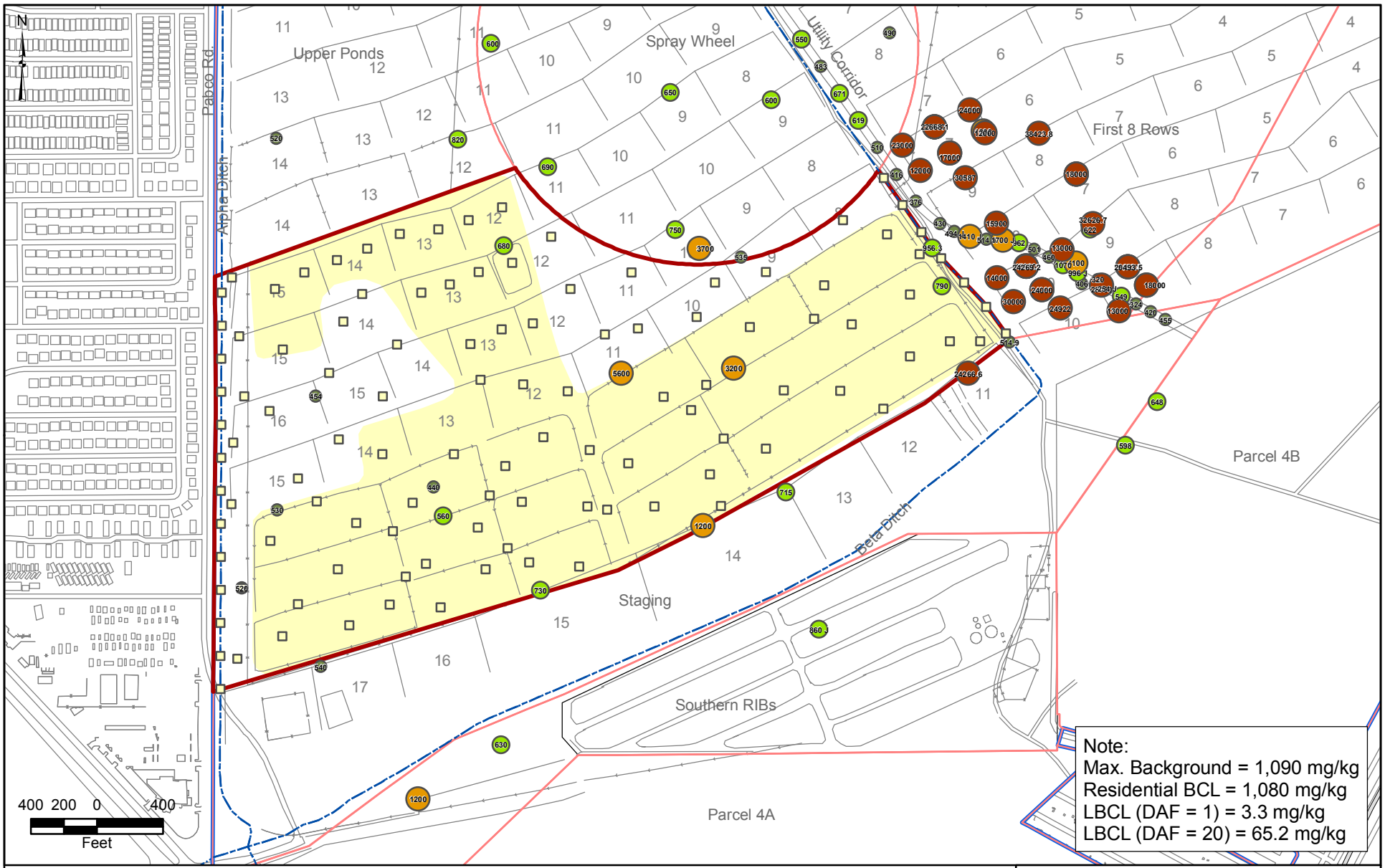
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-10

LEAD RESULTS IN
TIMET PONDS SUB-AREA
AND ADJACENT 1,000 FT
3 to 10 FT BGS

Basic Remediation COMPANY

Prepared by		Date	JOB No. 0064276
MKJ (ERM)	ERM	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



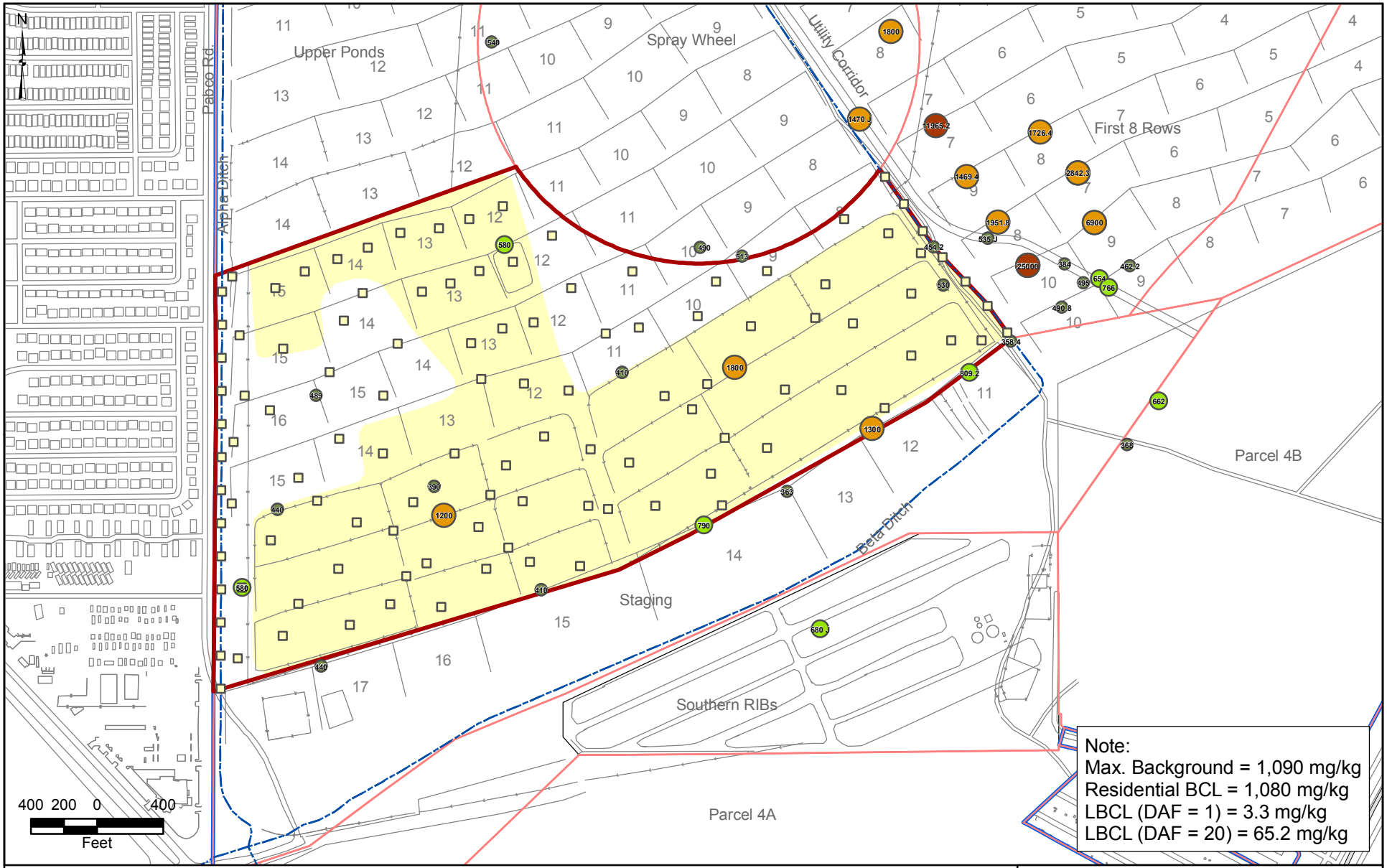
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-11

MANGANESE RESULTS IN TIMET PONDS SUB-AREA AND ADJACENT 1,000 FT 0 to 2 FT BGS

Basic Remediation COMPANY

Prepared by MKJ (ERM) | Date 12/21/09 | JOB No. 0064276
FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



TIMET Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas
Approximate Extent of Recent Mass Grading
SAP Proposed Soil Sample Location

Non-Detect
Detect < 1/2-Residential BCL
>= 1/2-BCL and < BCL
>= BCL and < 10x BCL
>= 10x BCL

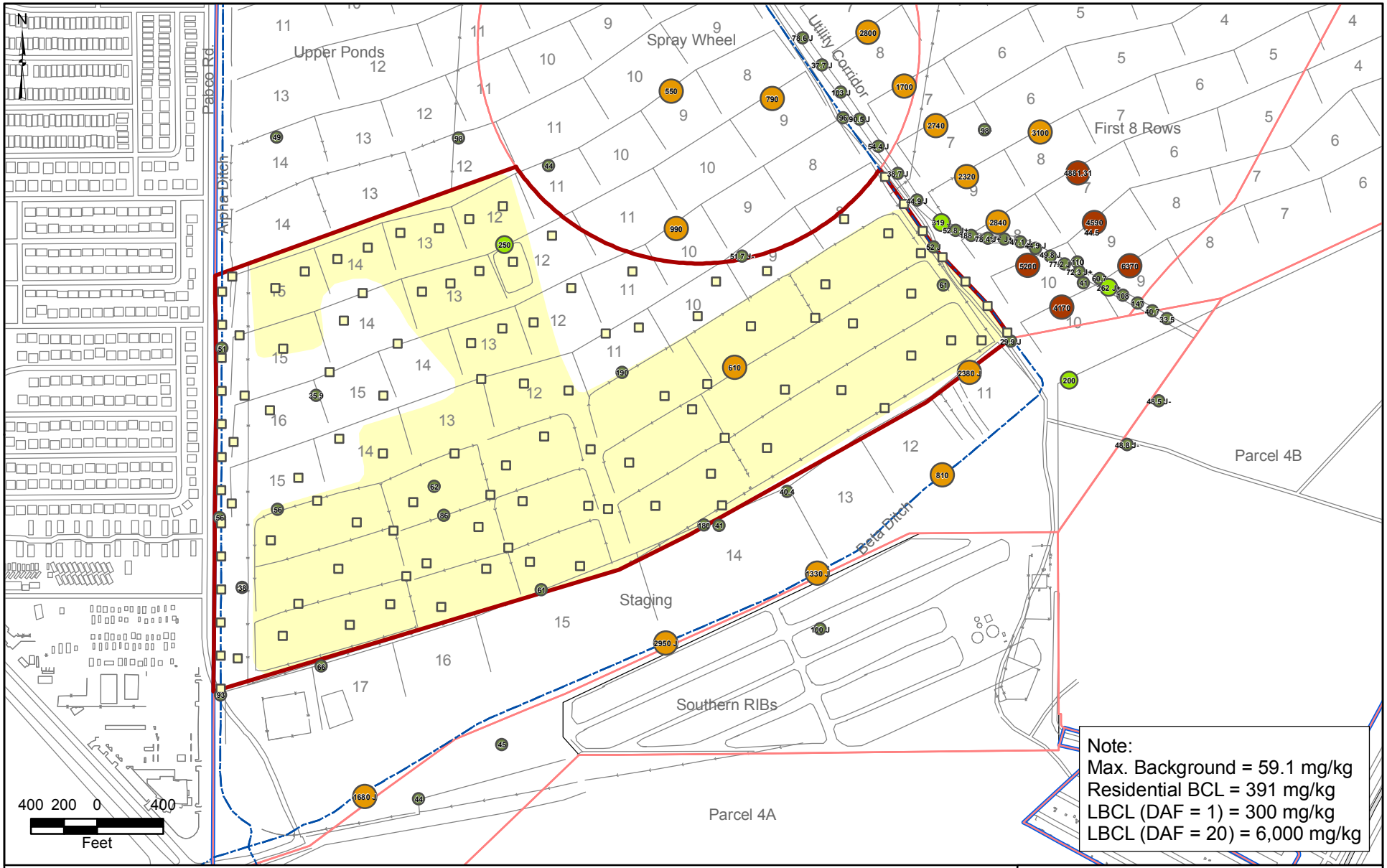
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-12

MANGANESE RESULTS IN TIMET PONDS SUB-AREA AND ADJACENT 1,000 FT 3 to 10 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



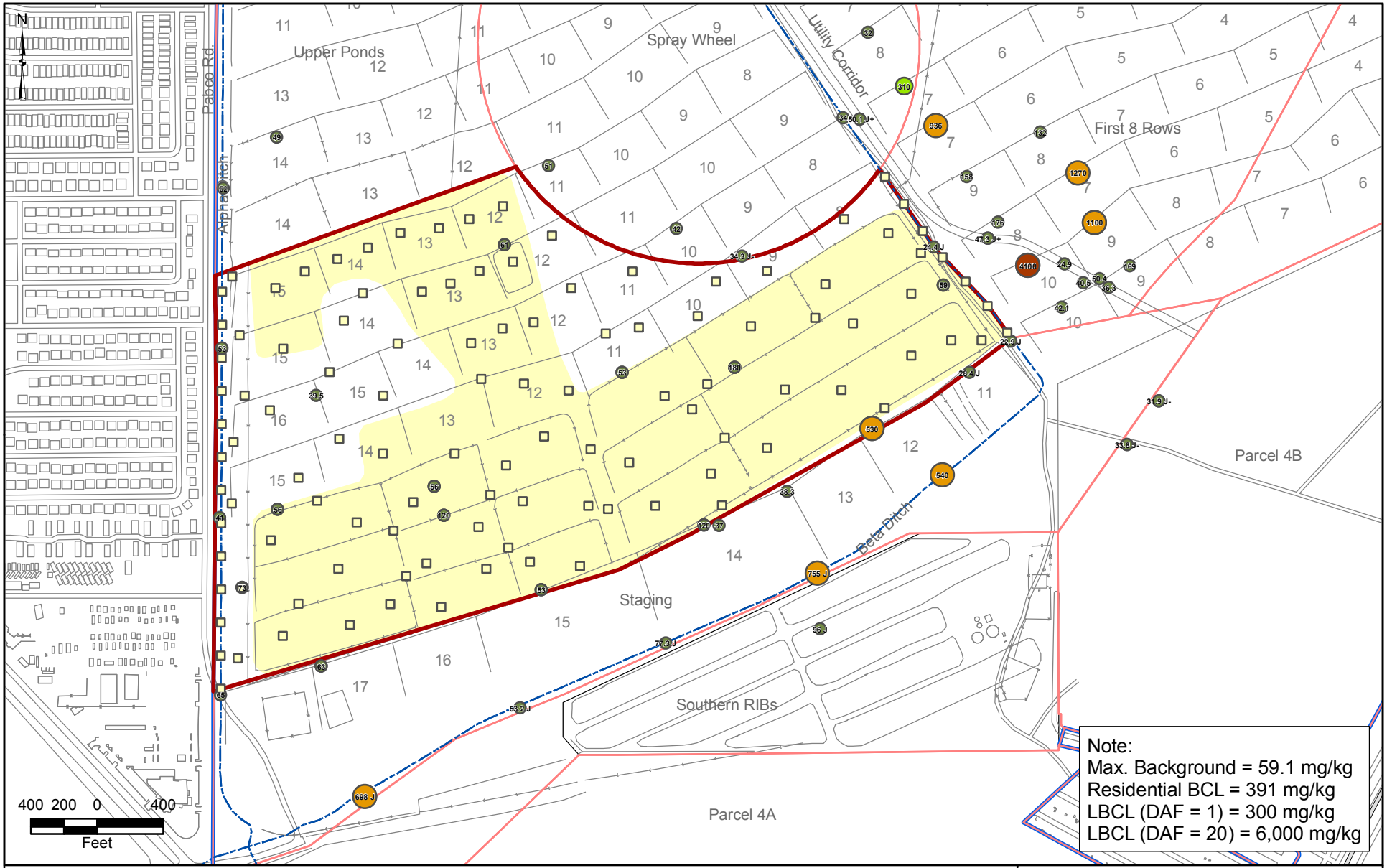
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-13

VANADIUM RESULTS IN TIMET PONDS SUB-AREA AND ADJACENT 1,000 FT 0 to 2 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



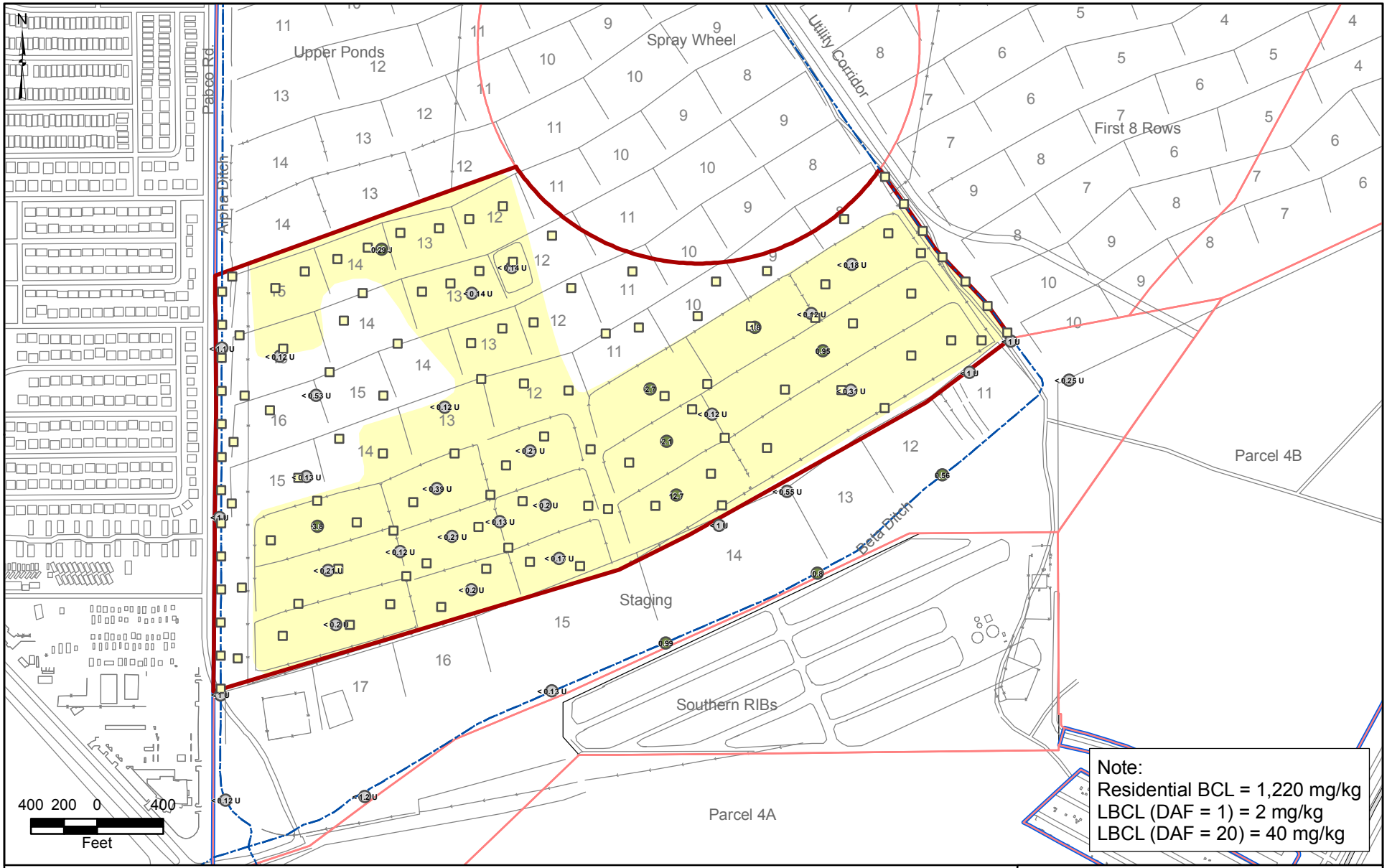
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-14

VANADIUM RESULTS IN TIMET PONDS SUB-AREA AND ADJACENT 1,000 FT 3 to 10 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



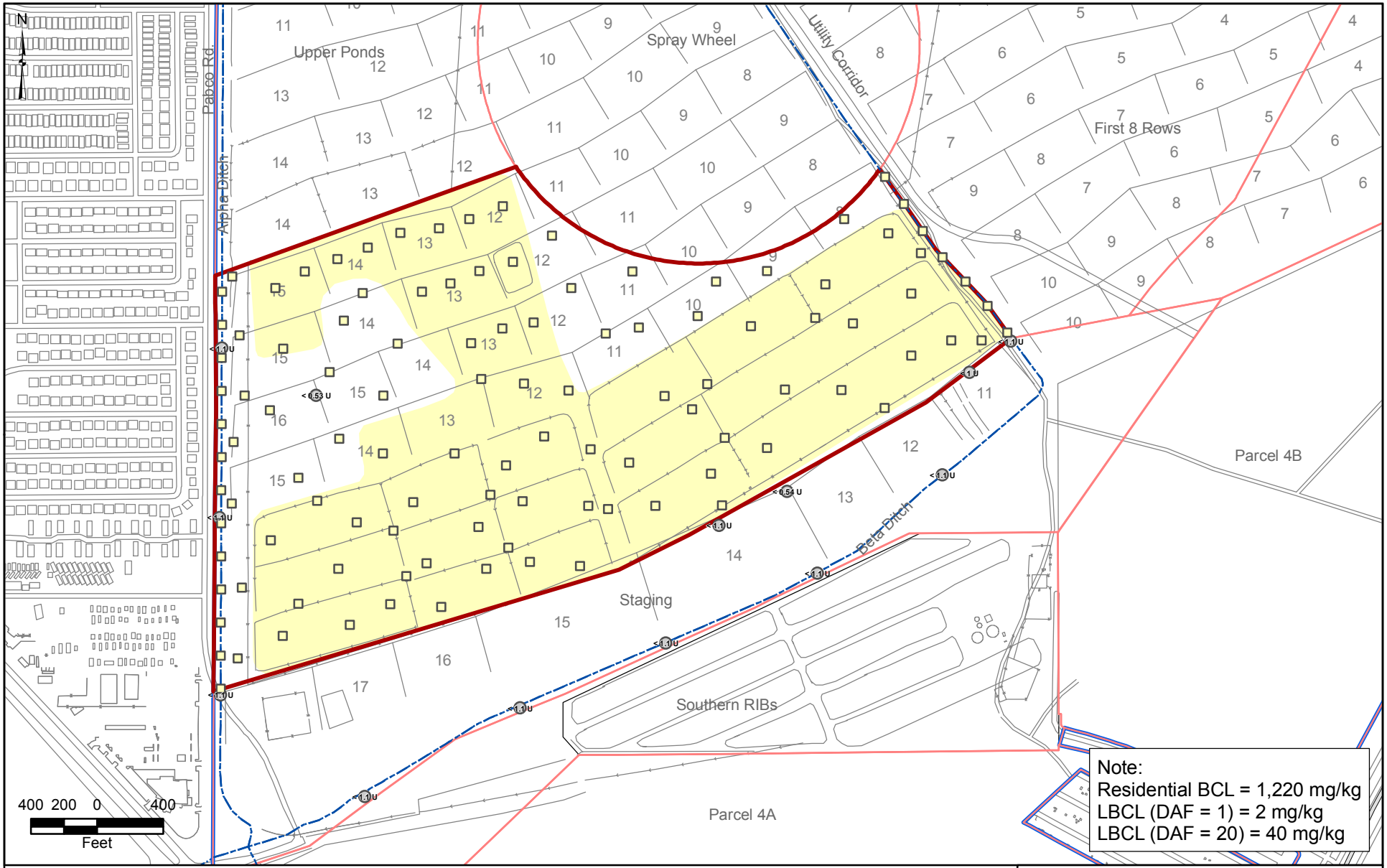
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-15

CYANIDE RESULTS IN TIMET PONDS SUB-AREA AND ADJACENT 1,000 FT 0 to 2 FT BGS

Basic Remediation COMPANY

Prepared by MKJ (ERM) | Date 12/21/09 | JOB No. 0064276 | FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



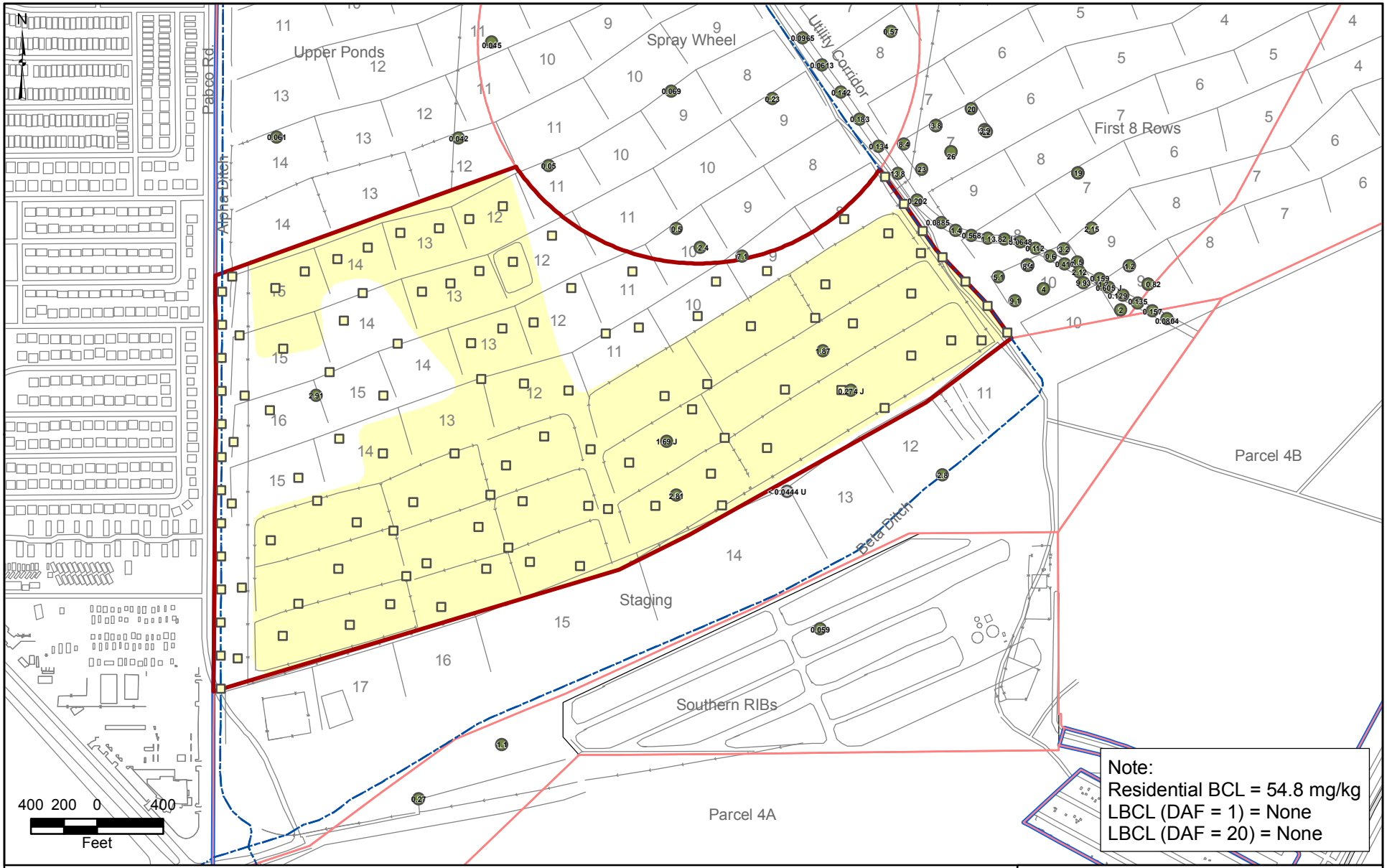
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-16

CYANIDE RESULTS IN TIMET PONDS SUB-AREA AND ADJACENT 1,000 FT 3 to 10 FT BGS

Basic Remediation Company

Prepared by MKJ (ERM) | Date 12/21/09 | JOB No. 0064276 | FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



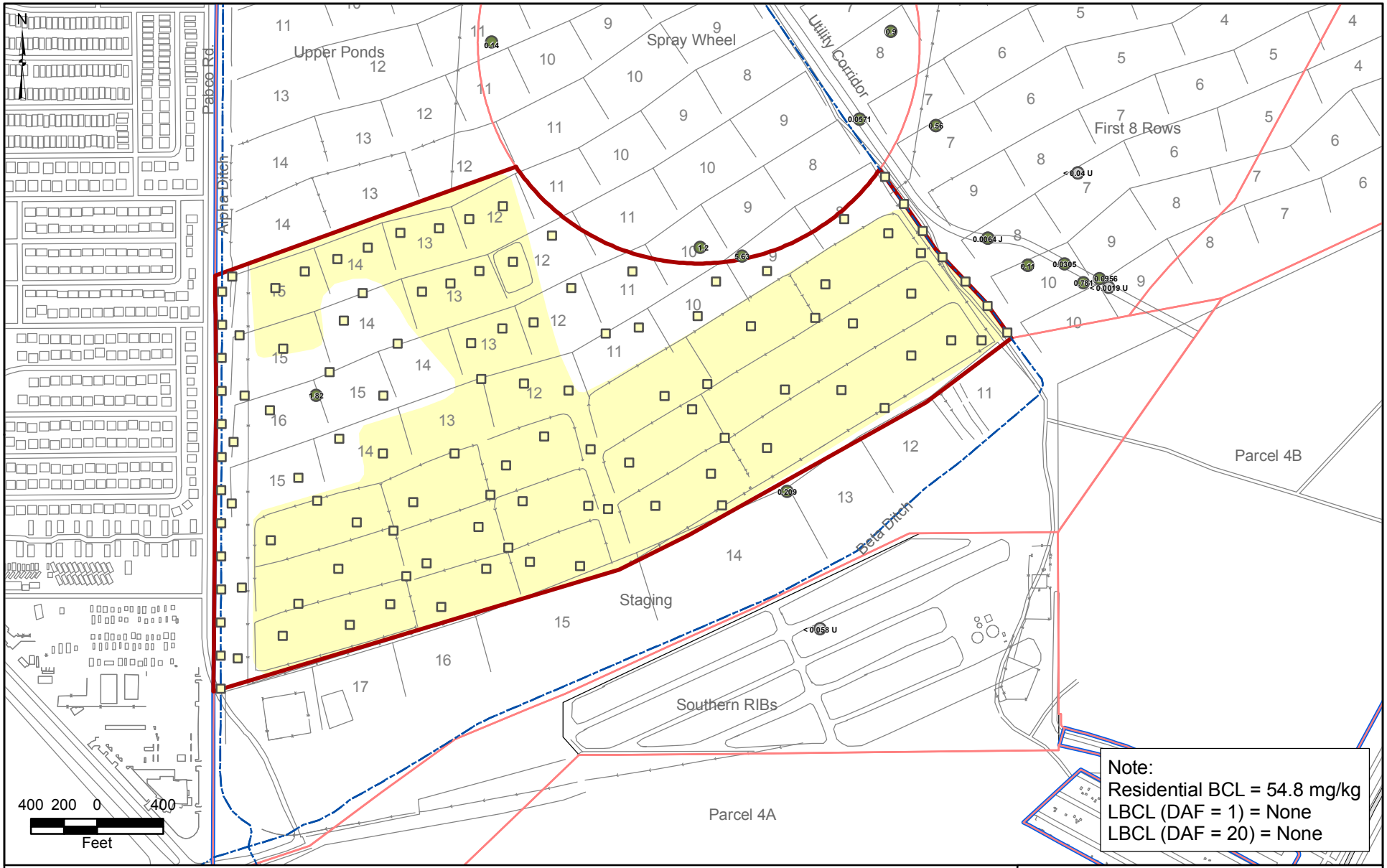
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-17

PERCHLORATE RESULTS IN TIMET PONDS SUB-AREA AND ADJACENT 1,000 FT 0 to 2 FT BGS

Basic Remediation COMPANY

Prepared by MKJ (ERM) | Date 12/21/09 | JOB No. 0064276
FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



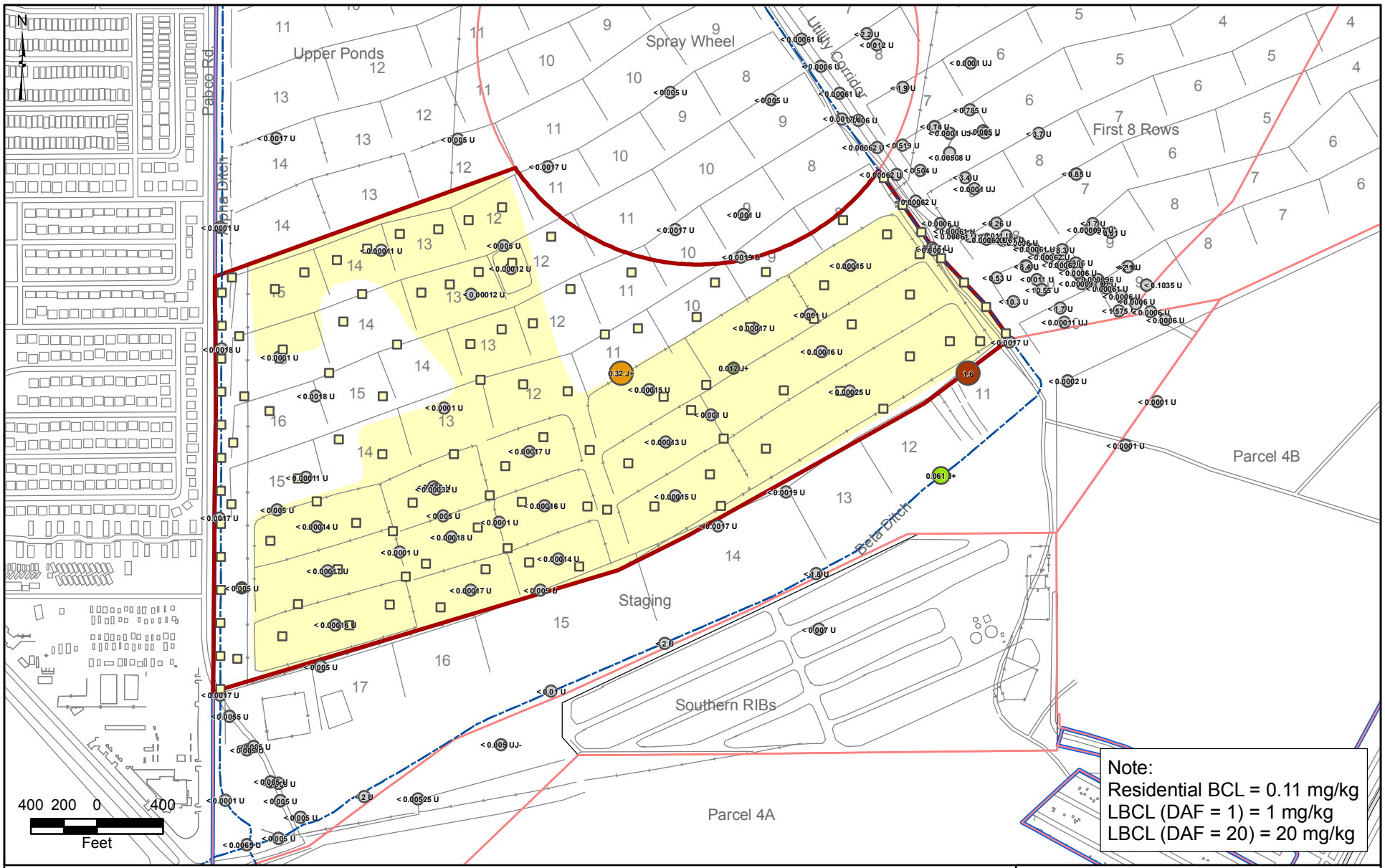
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-18

PERCHLORATE RESULTS IN TIMET PONDS SUB-AREA AND ADJACENT 1,000 FT 3 to 10 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



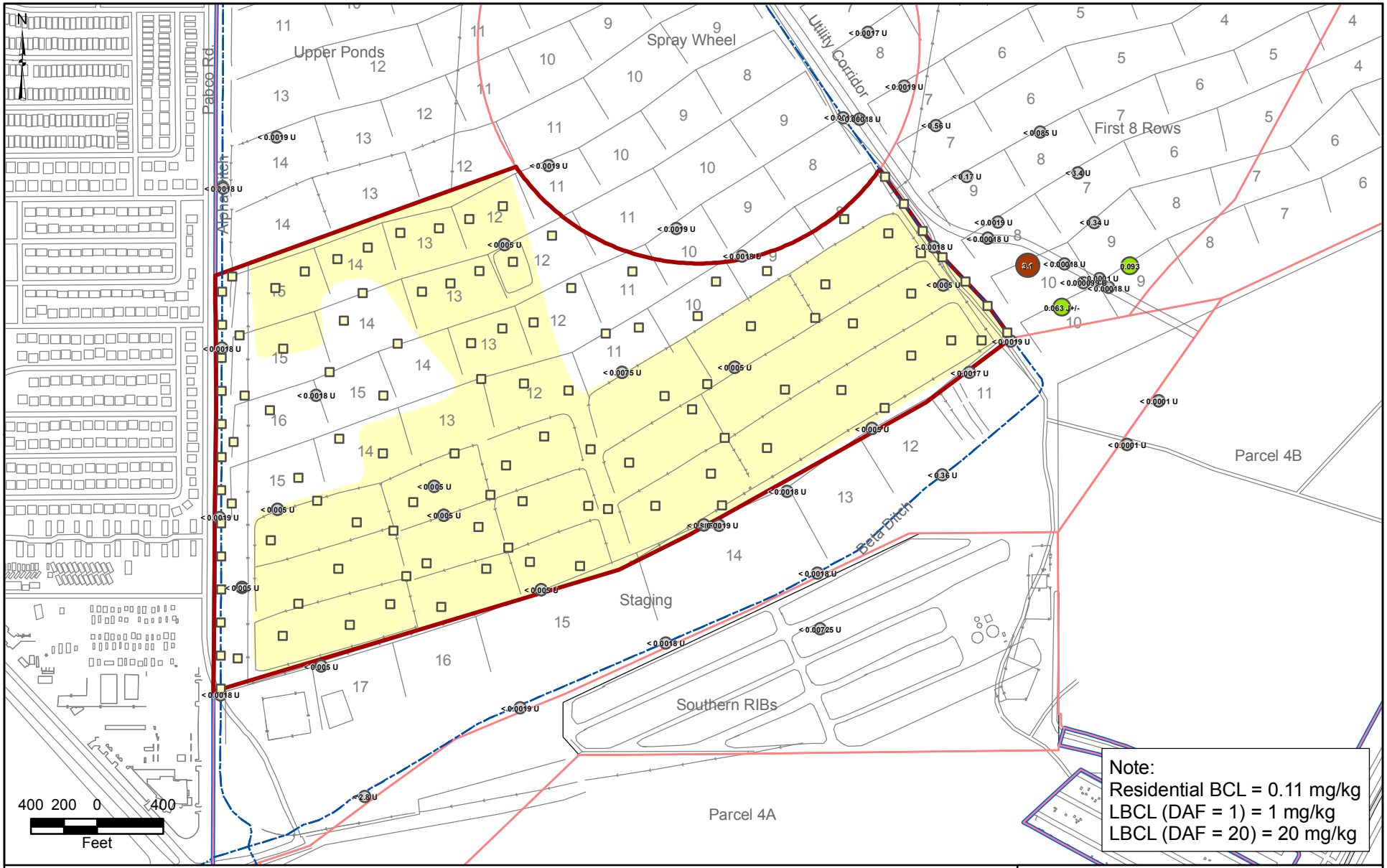
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-19

HEPTACHLOR RESULTS IN TIMET PONDS SUB-AREA AND ADJACENT 1,000 FT 0 to 2 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



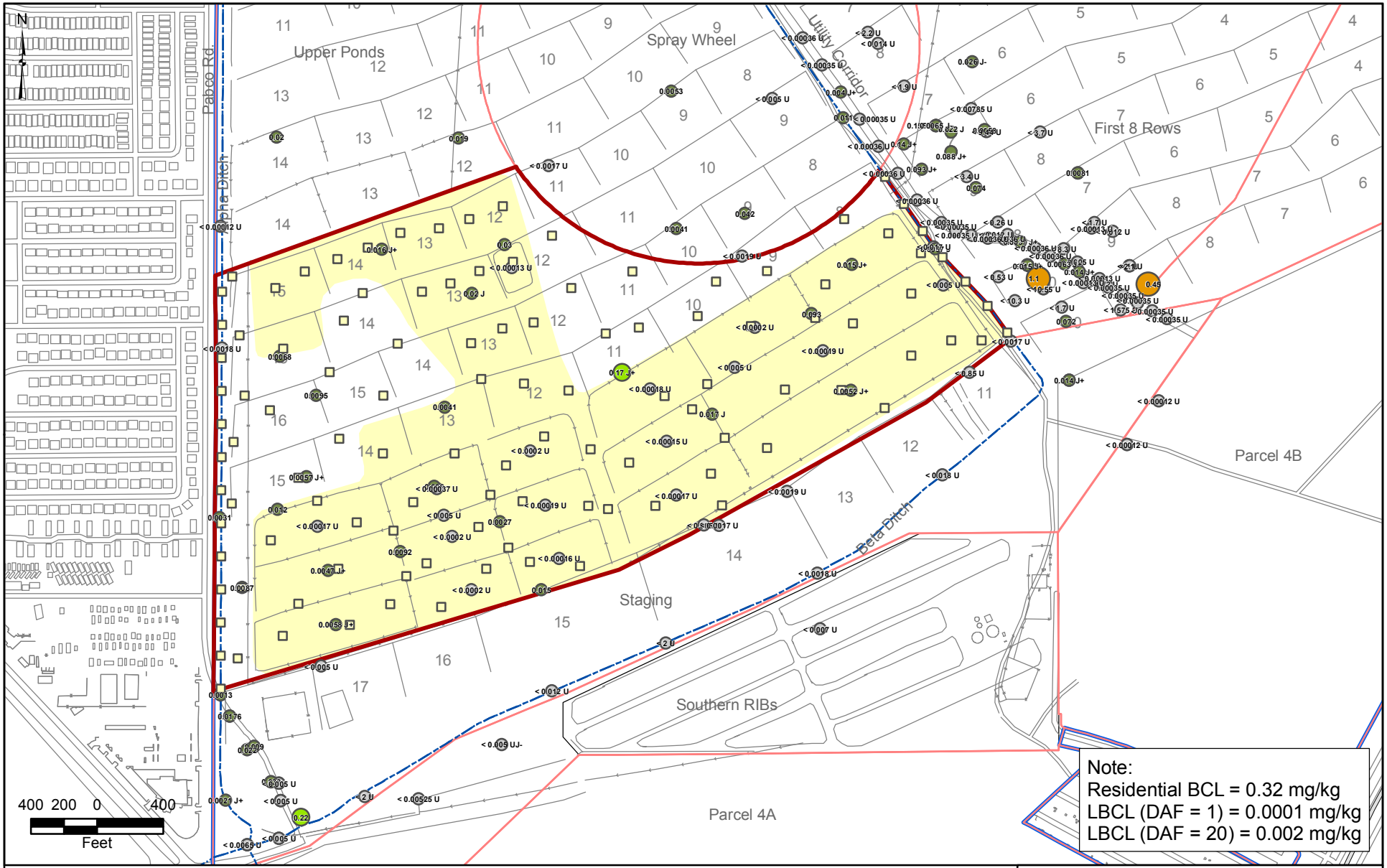
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-20

HEPTACHLOR RESULTS IN TIMET PONDS SUB-AREA AND ADJACENT 1,000 FT 3 to 10 FT BGS

Basic Remediation Company

Prepared by		Date	JOB No. 0064276
MKJ (ERM)	ERM	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



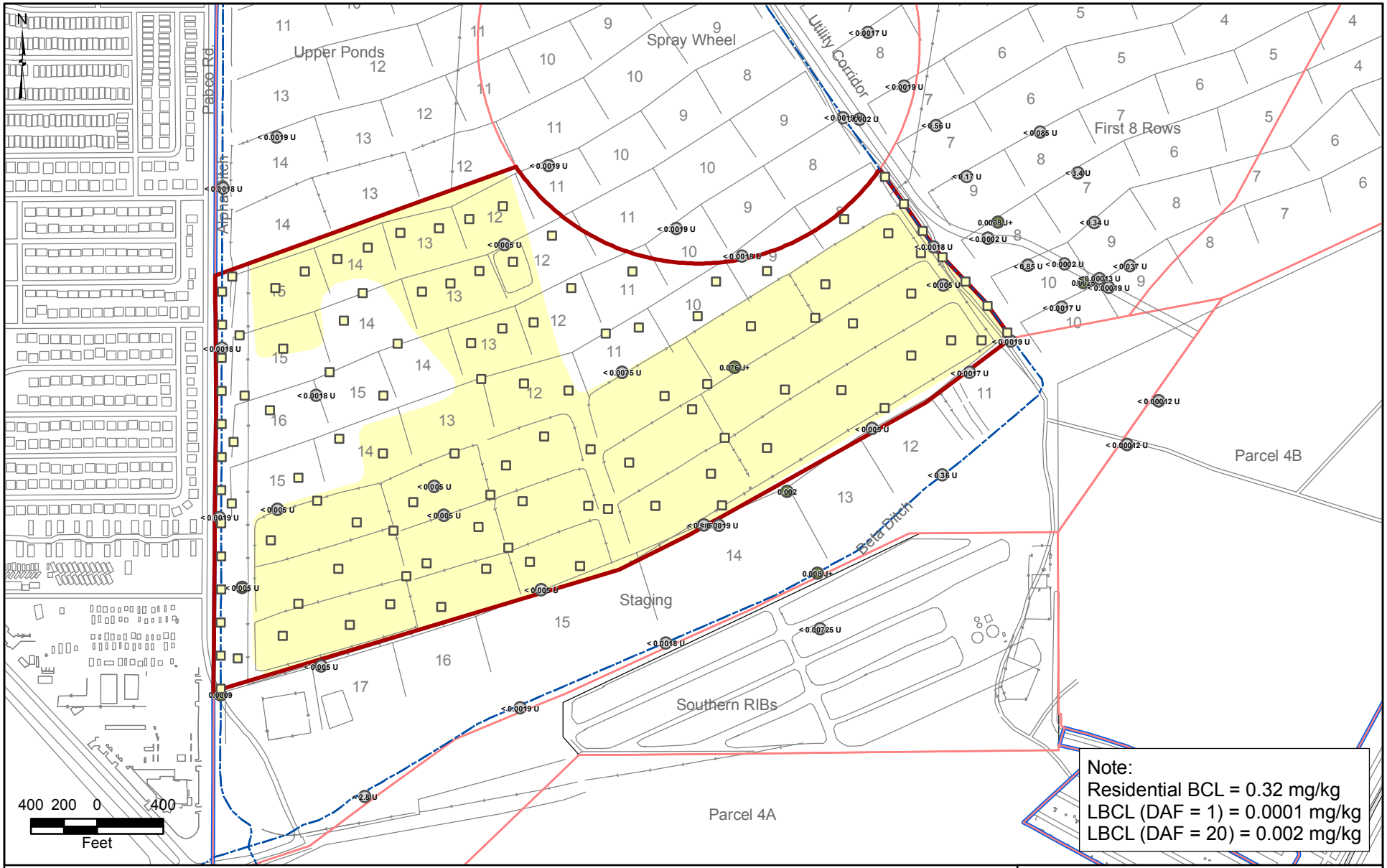
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-21

beta-BHC RESULTS IN TIMET PONDS SUB-AREA AND ADJACENT 1,000 FT 0 to 2 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



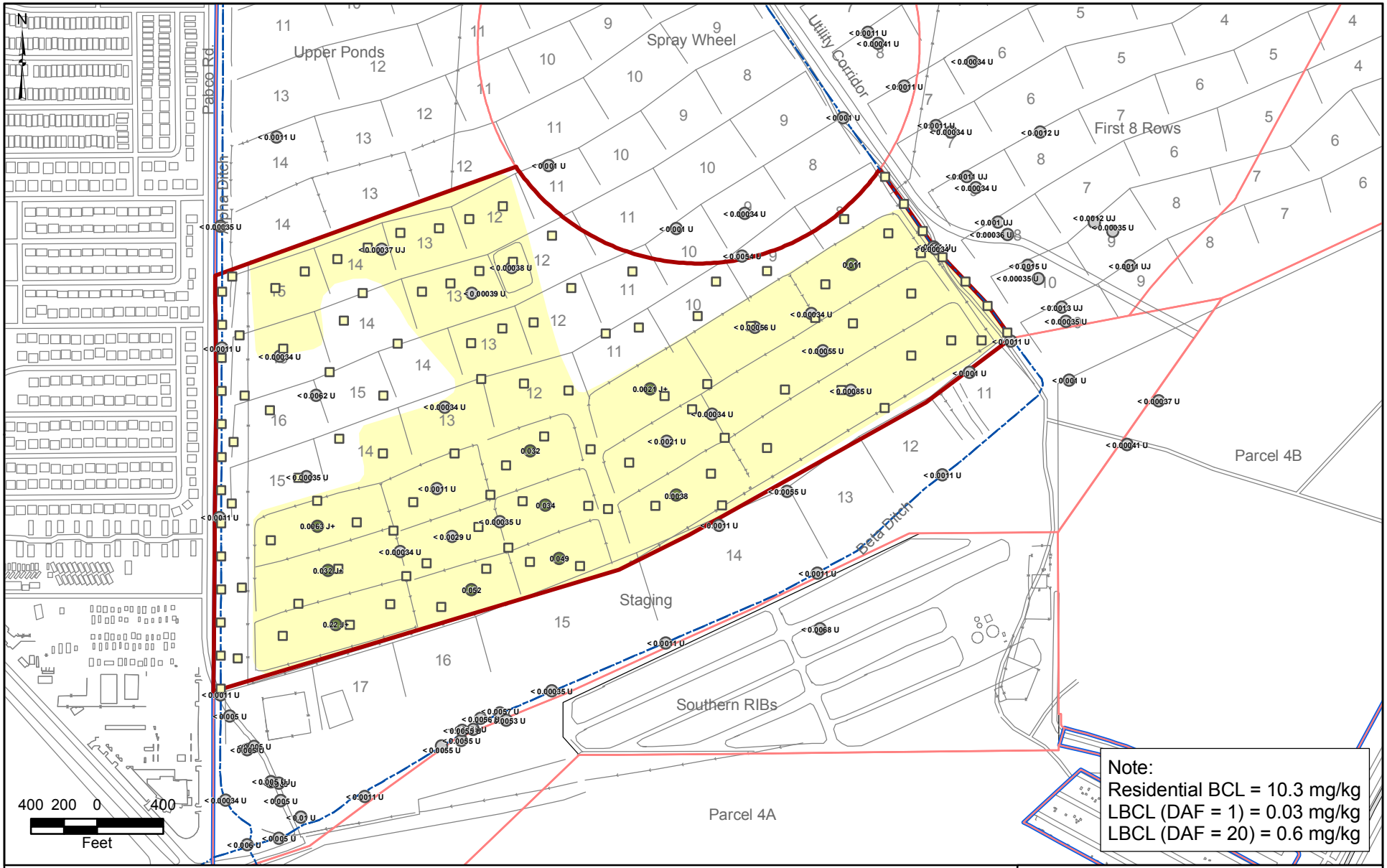
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-22

beta-BHC RESULTS IN TIMET PONDS SUB-AREA AND ADJACENT 1,000 FT 3 to 10 FT BGS

Basic Remediation COMPANY

Prepared by		Date	JOB No. 0064276
MKJ (ERM)	ERM	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



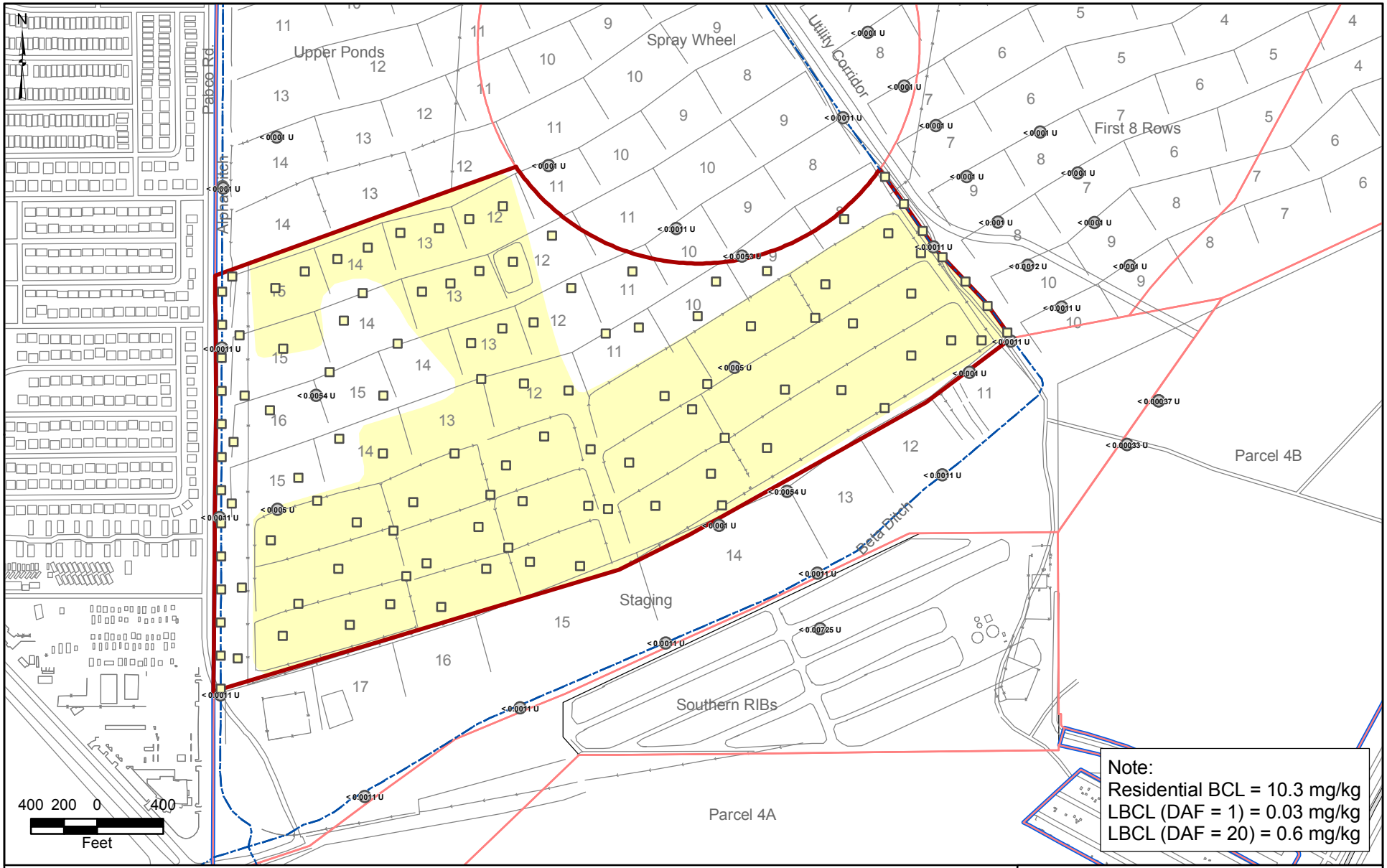
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-23

BROMODICHLOROMETHANE RESULTS IN TIMET PONDS SUB-AREA AND ADJACENT 1,000 FT - 0 to 2 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



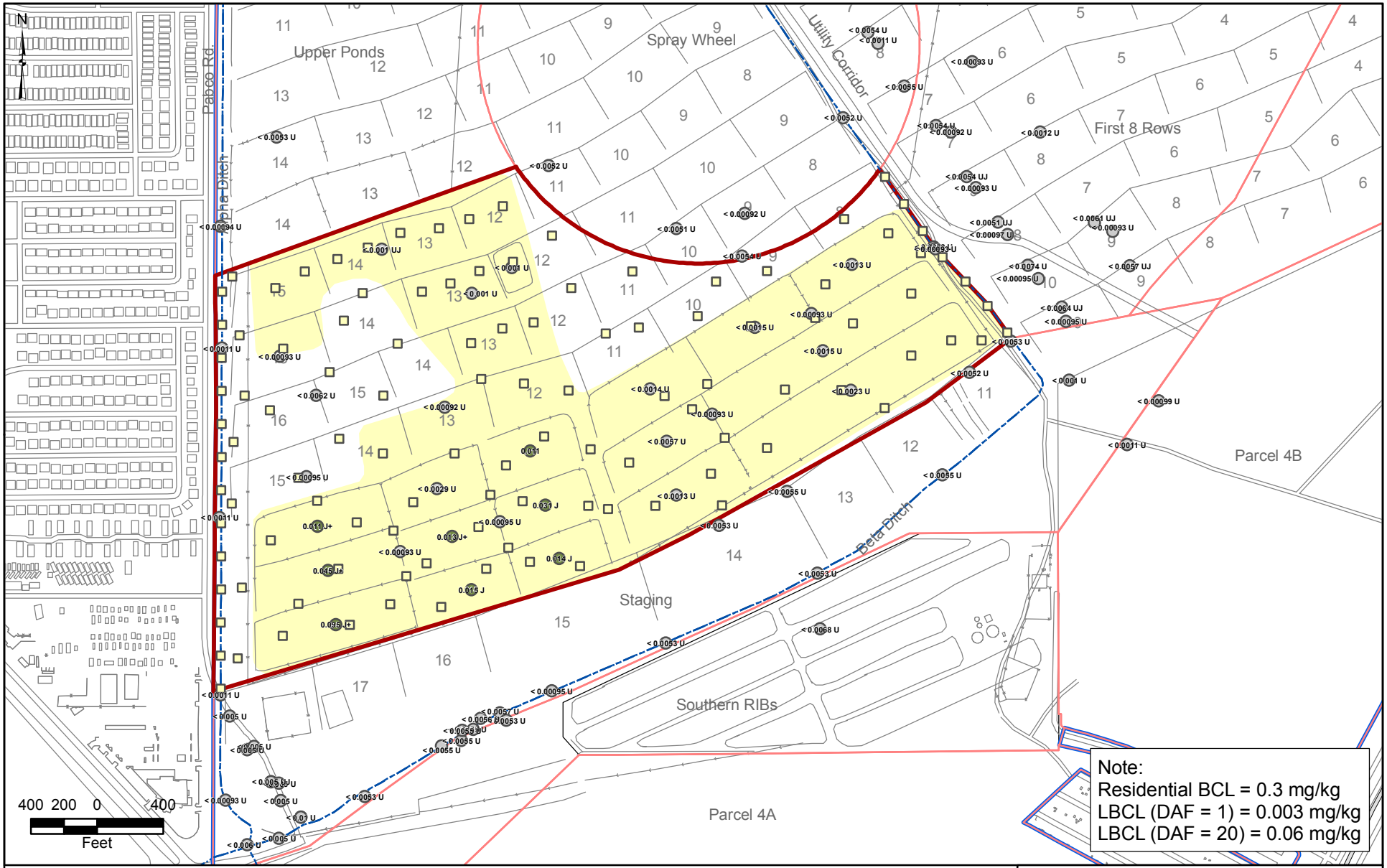
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-24

BROMODICHLOROMETHANE RESULTS IN TIMET PONDS SUB-AREA AND ADJACENT 1,000 FT - 3 to 10 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



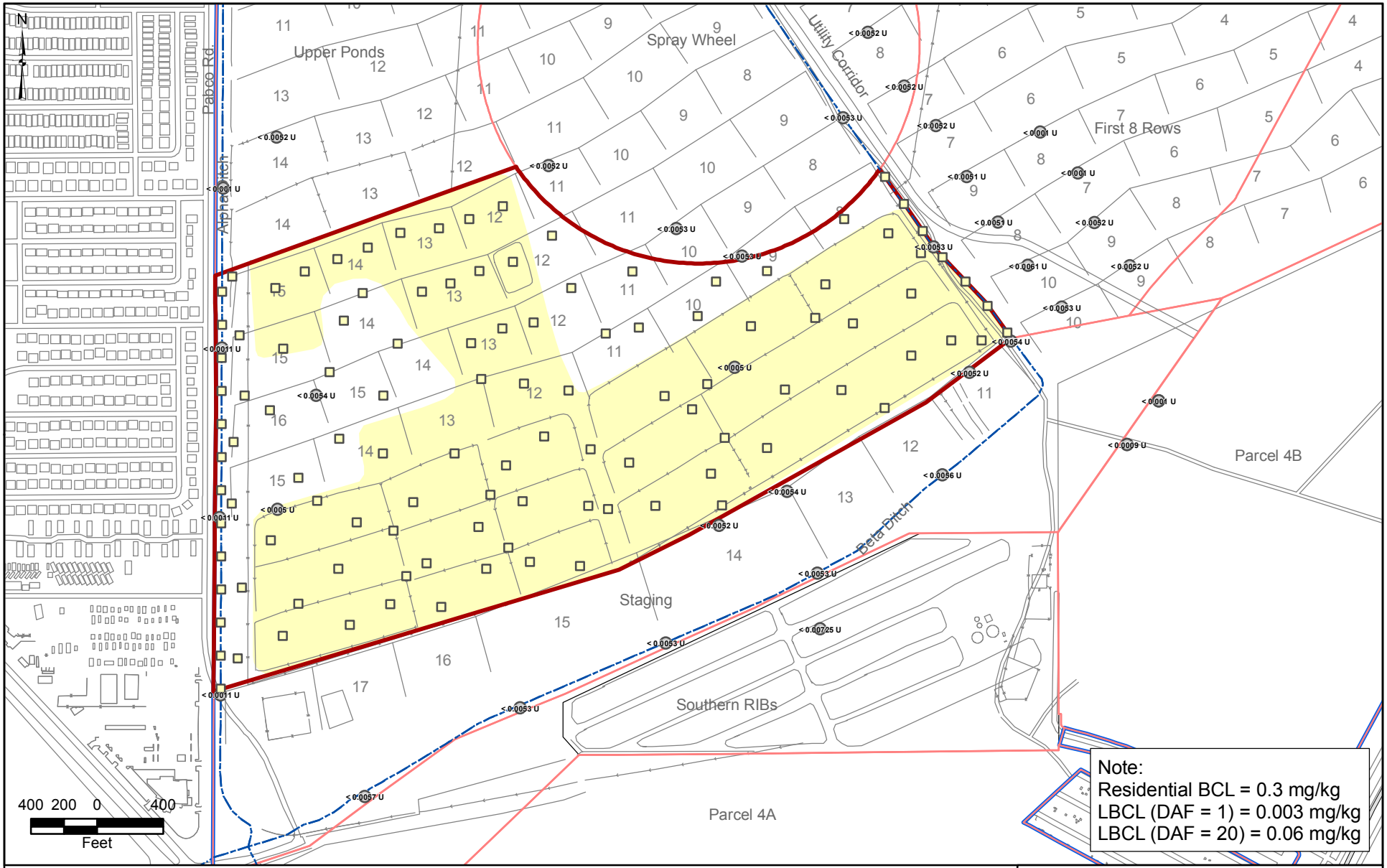
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-25

CARBON TETRACHLORIDE RESULTS IN TIMET PONDS SUB-AREA AND ADJACENT 1,000 FT - 0 to 2 FT BGS

Basic Remediation COMPANY

Prepared by MKJ (ERM) | ERM | Date 12/21/09 | JOB No. 0064276 | FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



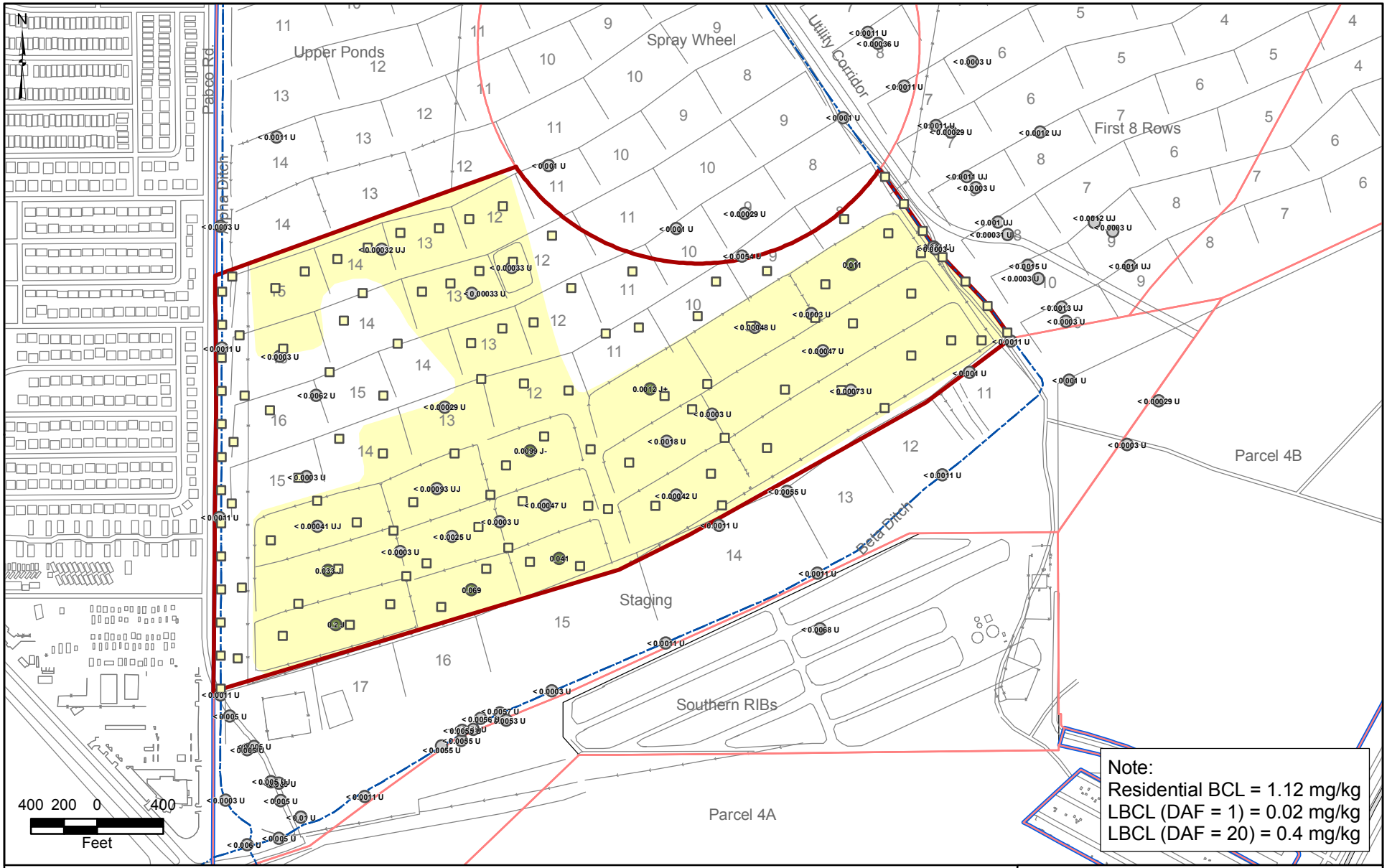
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-26

CARBON TETRACHLORIDE RESULTS IN TIMET PONDS SUB-AREA AND ADJACENT 1,000 FT - 3 to 10 FT BGS

Basic Remediation COMPANY

Prepared by MKJ (ERM) | ERM | Date 12/21/09 | JOB No. 0064276 | FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



TIMET Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas
Approximate Extent of Recent Mass Grading
SAP Proposed Soil Sample Location

Non-Detect
Detect < 1/2-Residential BCL
>= 1/2-BCL and < BCL
>= BCL and < 10x BCL
>= 10x BCL

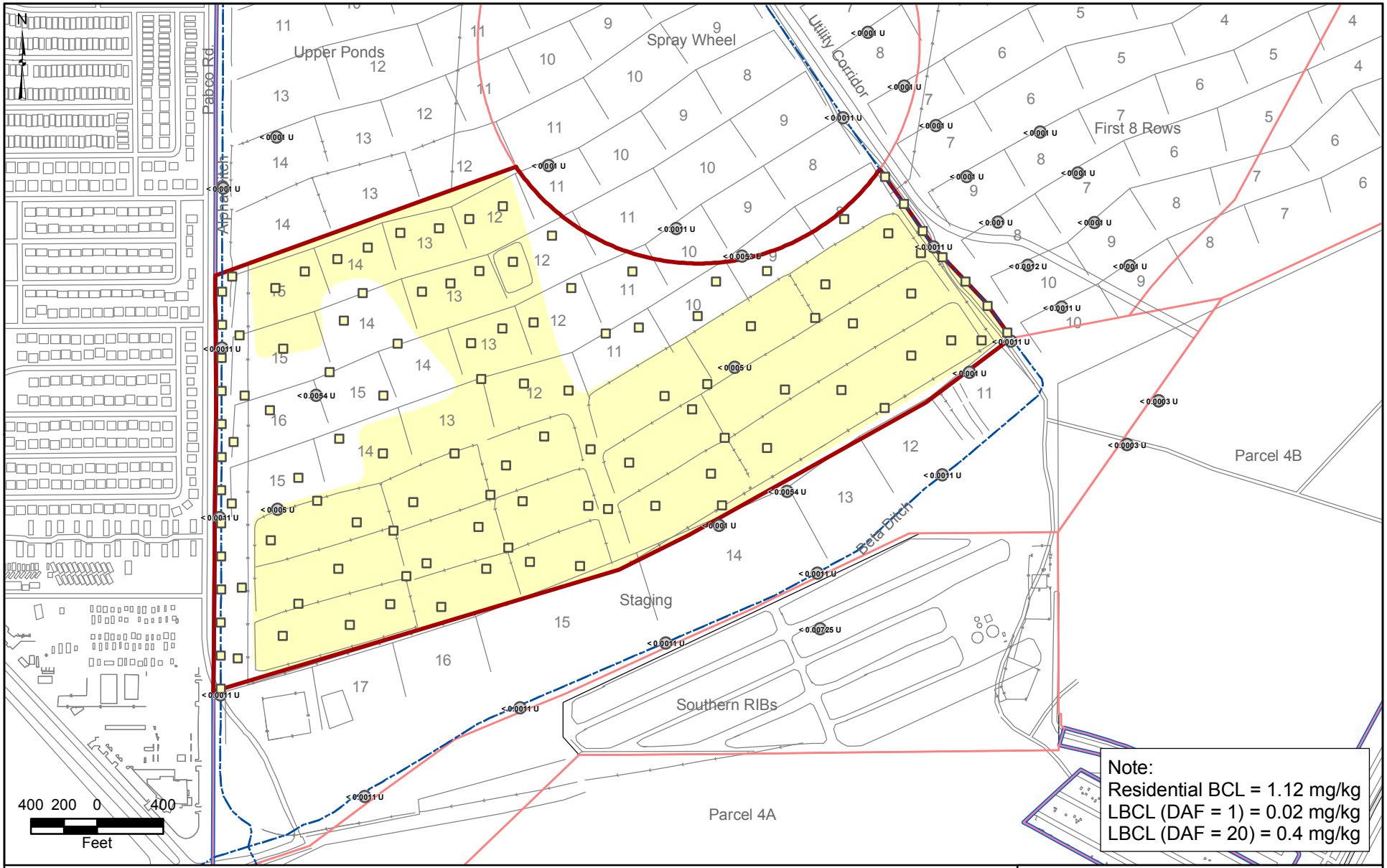
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-27

CHLORODIBROMOMETHANE RESULTS IN TIMET PONDS SUB-AREA AND ADJACENT 1,000 FT - 0 to 2 FT BGS

Basic Remediation COMPANY

Prepared by MKJ (ERM) | ERM | Date 12/21/09 | JOB No. 0064276 | FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



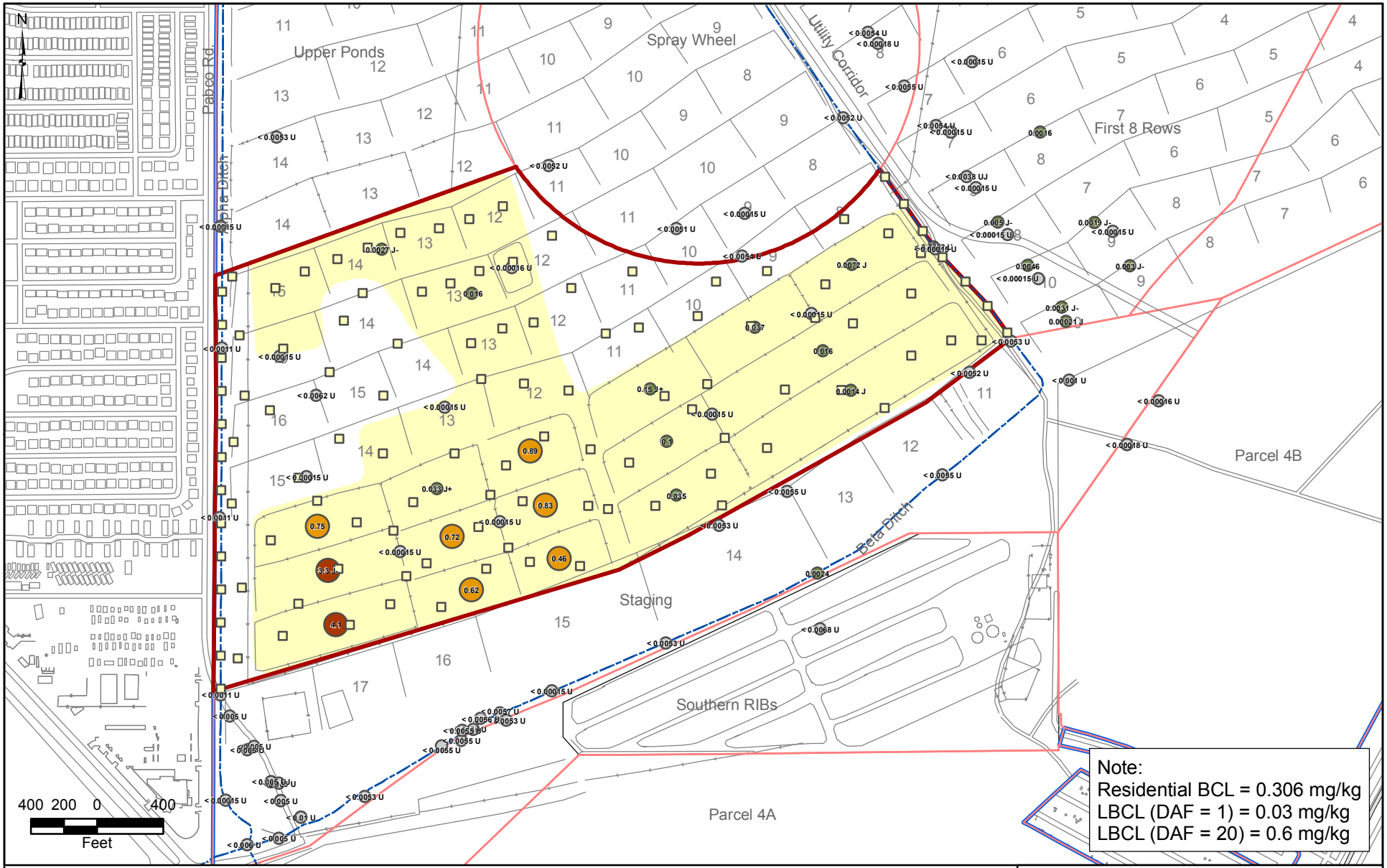
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-28

CHLORODIBROMOMETHANE RESULTS IN TIMET PONDS SUB-AREA AND ADJACENT 1,000 FT - 3 to 10 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



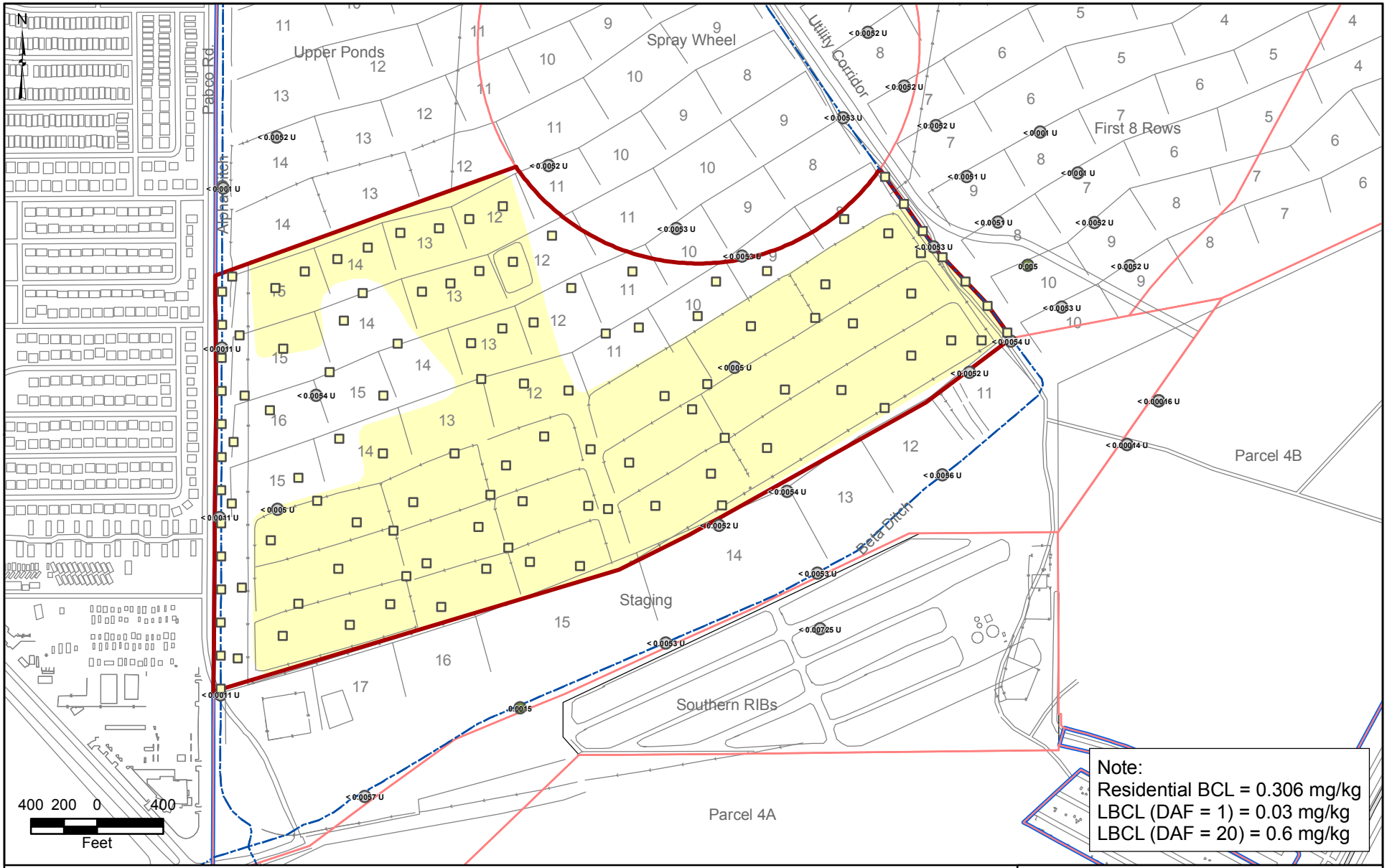
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-29

CHLOROFORM RESULTS
IN TIMET PONDS SUB-AREA
AND ADJACENT 1,000 FT
0 to 2 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



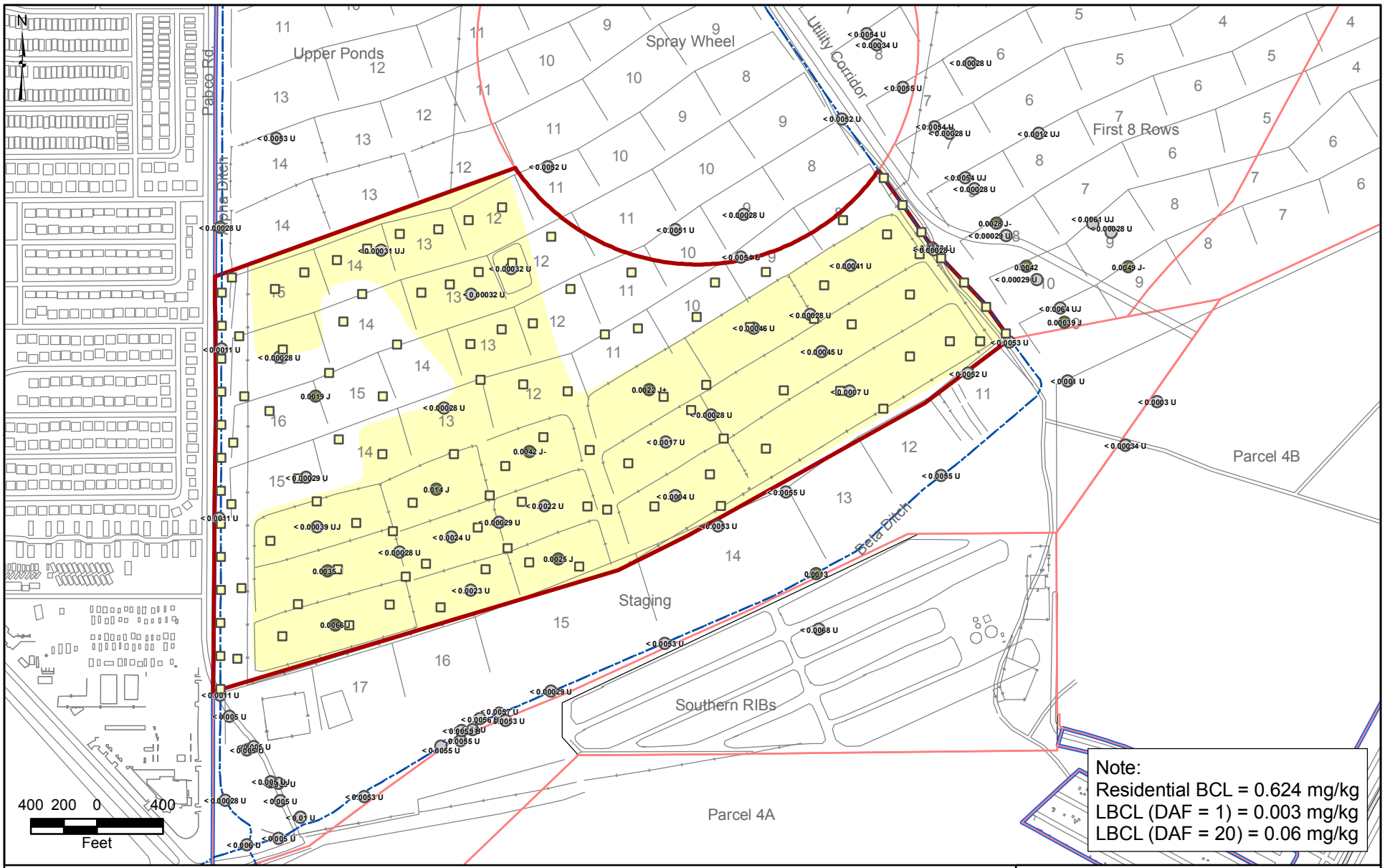
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-30

CHLOROFORM RESULTS
IN TIMET PONDS SUB-AREA
AND ADJACENT 1,000 FT
3 to 10 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



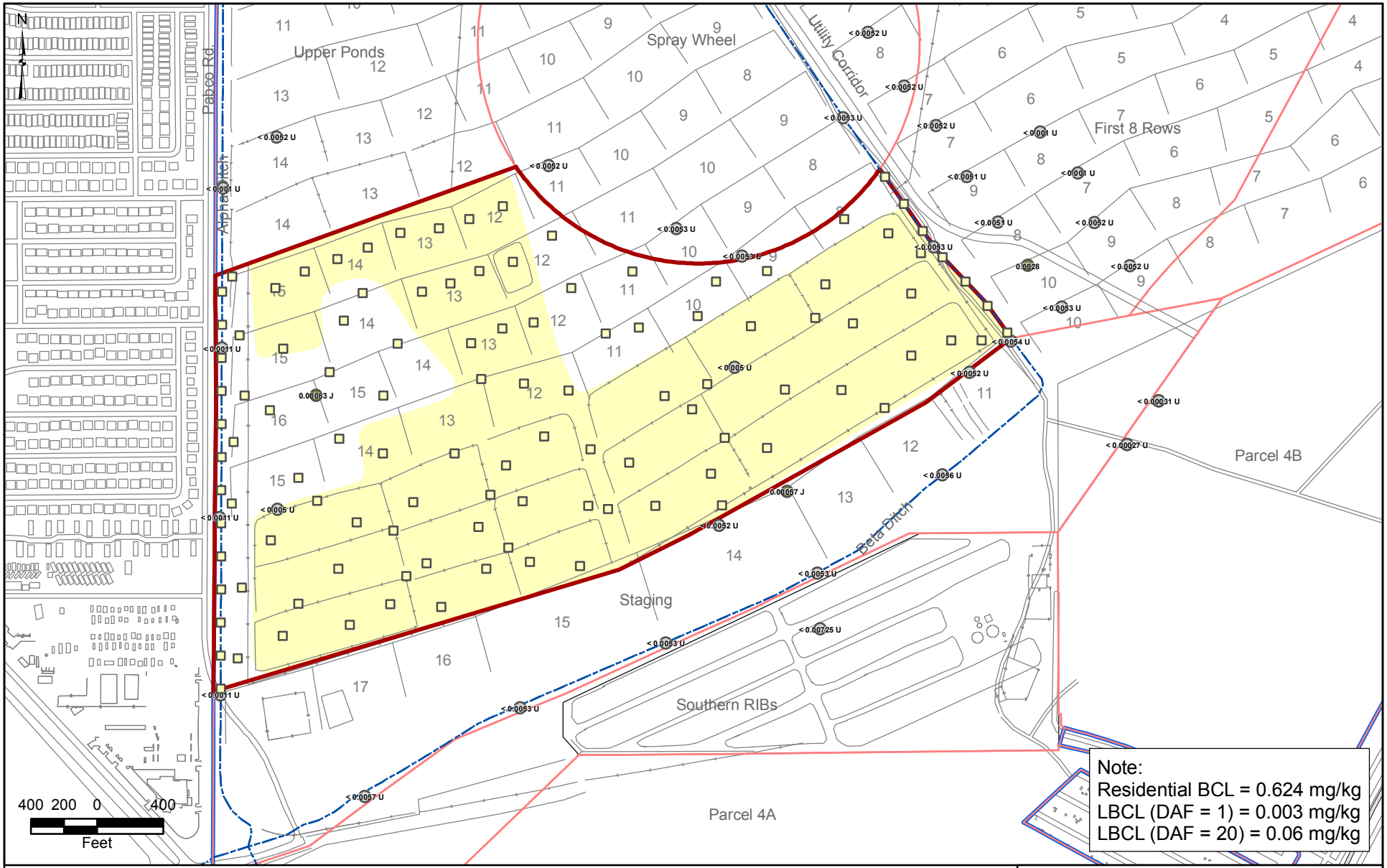
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-31

TETRACHLOROETHYLENE RESULTS IN TIMET PONDS SUB-AREA AND ADJACENT 1,000 FT - 0 to 2 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



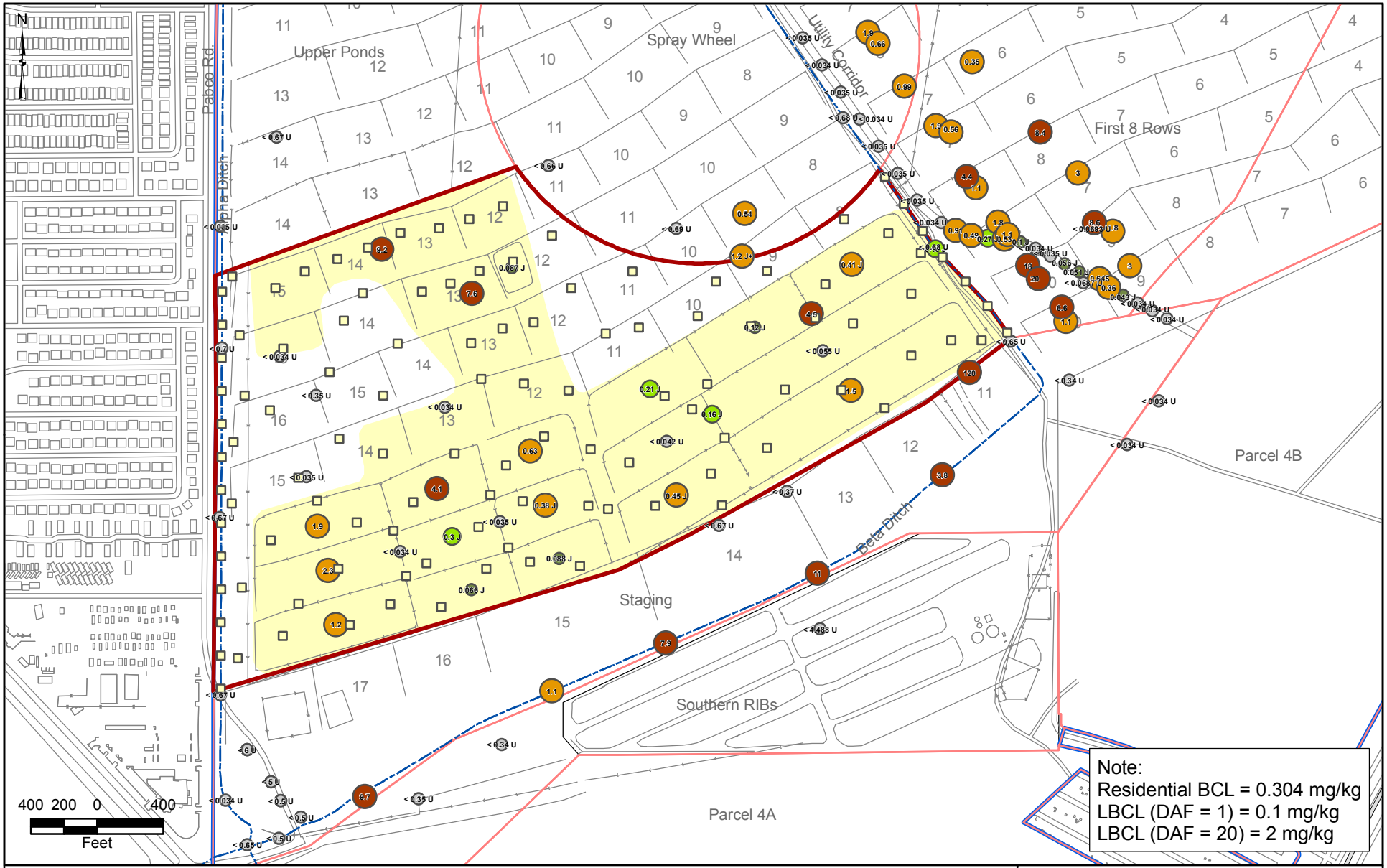
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-32

TETRACHLOROETHYLENE RESULTS IN TIMET PONDS SUB-AREA AND ADJACENT 1,000 FT - 3 to 10 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



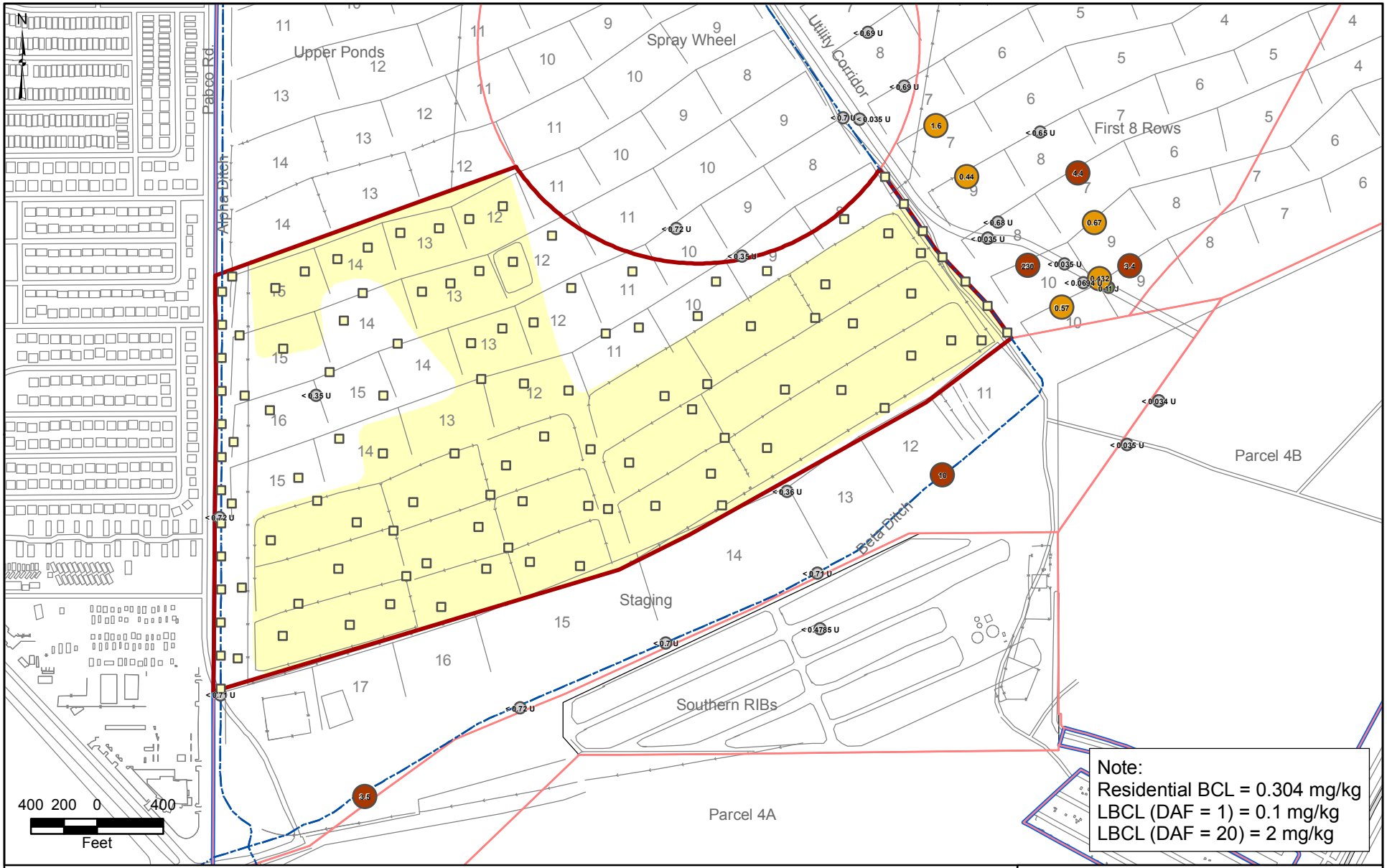
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-33

HEXACHLOROBENZENE RESULTS IN TIMET PONDS SUB-AREA AND ADJACENT 1,000 FT - 0 to 2 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



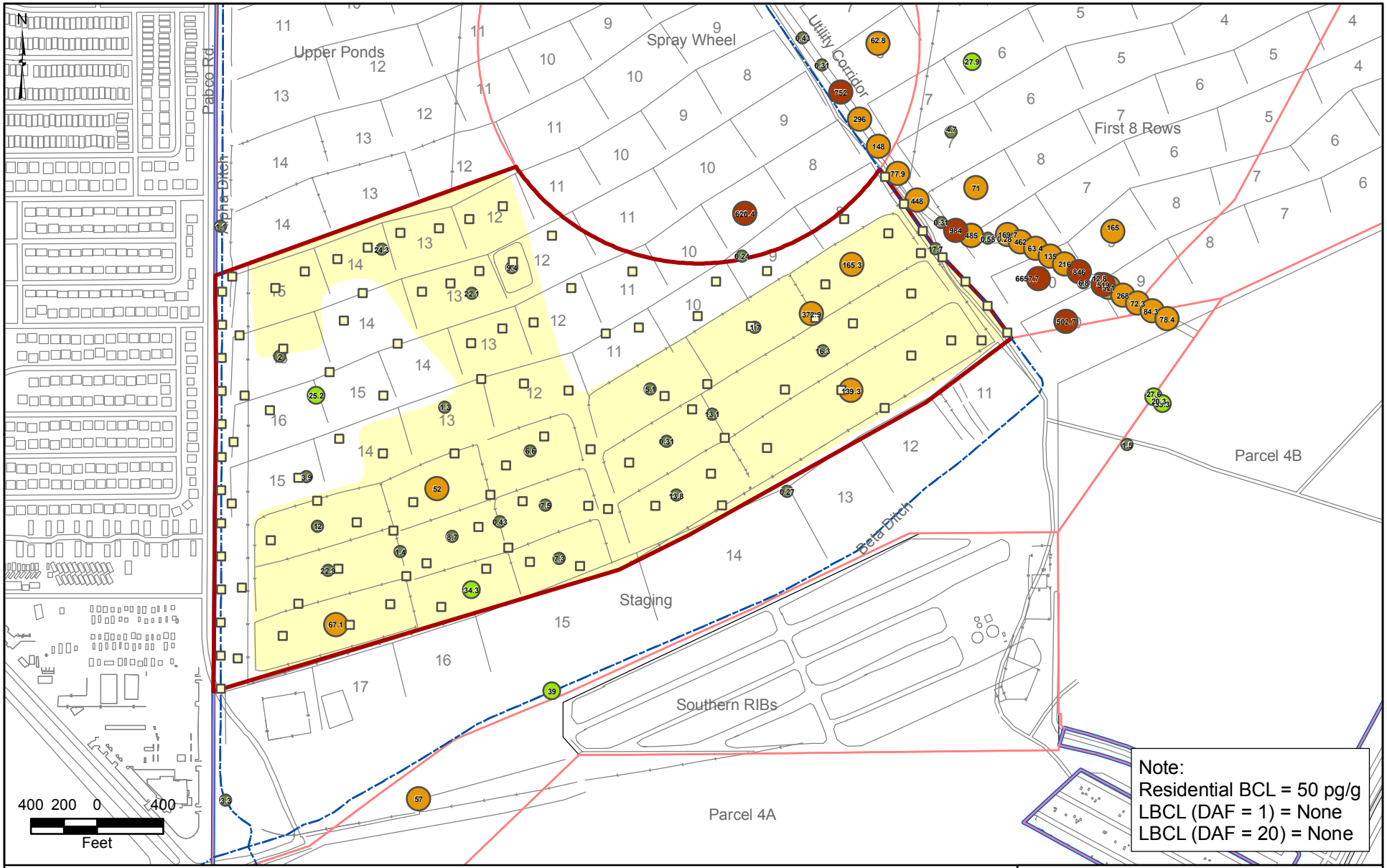
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-34

HEXACHLOROBENZENE RESULTS IN TIMET PONDS SUB-AREA AND ADJACENT 1,000 FT - 3 to 10 FT BGS

Basic Remediation COMPANY

Prepared by MKJ (ERM) | ERM | Date 12/21/09 | JOB No. 0064276 | FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



TIMET Ponds Sub-Area
Site AOC3 Boundary
Eastside Soil Sub-Areas
Approximate Extent of Recent Mass Grading
SAP Proposed Soil Sample Location

Non-Detect
Detect < 1/2-Residential BCL
>= 1/2-BCL and < BCL
>= BCL and < 10x BCL
>= 10x BCL

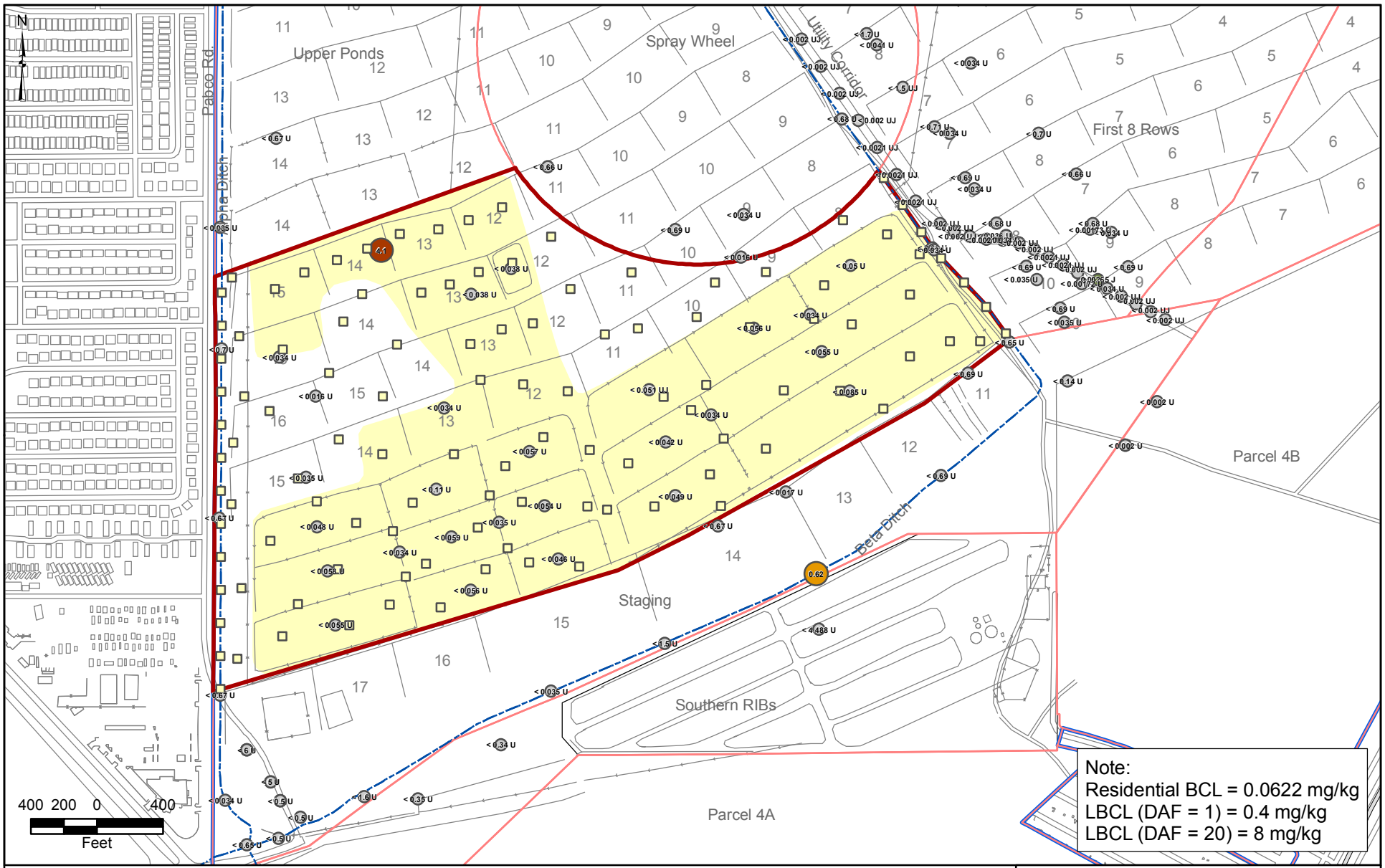
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-35

TCDD TEQ RESULTS
IN TIMET PONDS SUB-AREA
AND ADJACENT 1,000 FT
0 to 2 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



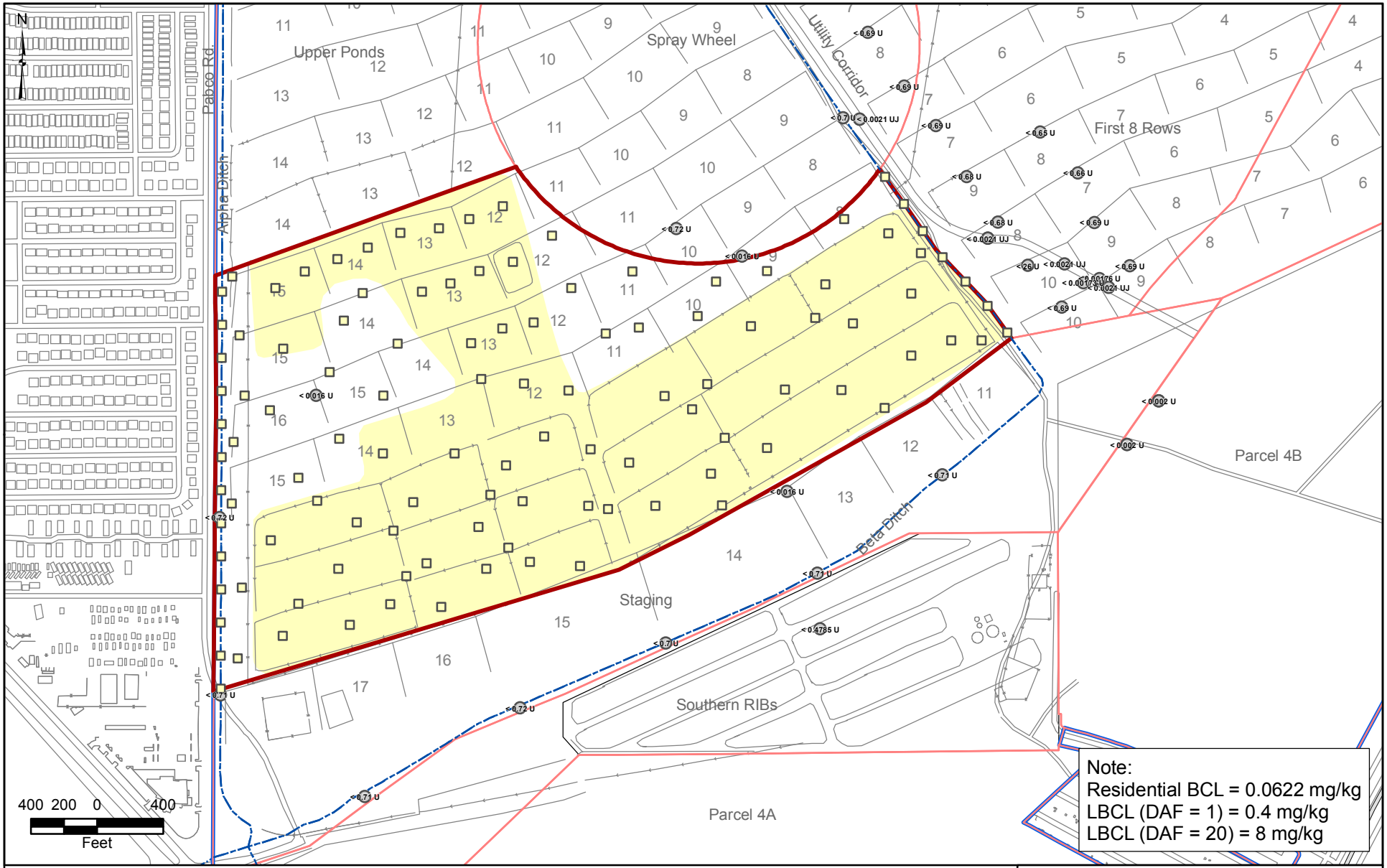
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-36

BENZO(a)PYRENE RESULTS IN TIMET PONDS SUB-AREA AND ADJACENT 1,000 FT - 0 to 2 FT BGS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0064276
MKJ (ERM)	12/21/09	FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD



BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE C-37

BENZO(a)PYRENE RESULTS IN TIMET PONDS SUB-AREA AND ADJACENT 1,000 FT - 3 to 10 FT BGS

Basic Remediation COMPANY

Prepared by MKJ (ERM) | Date 12/21/09 | JOB No. 0064276
FILE: GIS/BRC/TIMET PONDS_SAP/APPENDIX_C.MXD