# Technical Memorandum

# Crowley and First South Properties

## Potential for Slip 4 Sediment Recontamination via Groundwater Discharge

Prepared for

Toxics Cleanup Program
Northwest Regional Office
Washington State Department of Ecology
Bellevue, Washington

Prepared by

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October 2006

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## 1.0 Objective

The purpose of this memorandum is to assess the potential for recontamination of Slip 4 Early Action Area sediments—once sediment cleanup has been completed—by contaminants of concern (COCs) from two adjacent upland sites via groundwater discharge. The two upland sites are Crowley Marine Services (Crowley) and First South Properties (First South). Historically, these two sites consisted of three separate tax parcels: D, E, and F. The Crowley site consists of Parcels D and F; the First South Properties site consists of Parcel E (Figure 1). For purposes of this analysis, COCs for Slip 4 sediment recontamination have been identified by the Washington State Department of Ecology (Ecology) as polychlorinated biphenyls (PCBs), phthalates, and polynuclear aromatic hydrocarbons (PAHs) which have numeric screening criteria listed in Washington's Sediment Management Standards (SMS) (WAC 173-204).

## 2.0 Data Sources

Several environmental investigations and soil cleanups have been conducted at the site. These efforts, described below, provided the data for the present assessment of sediment recontamination potential.

- A Phase I environmental assessment that included both sites was conducted by Roy F. Weston, Inc. in 1988 in support of a possible sale of the property. Documentation of this assessment is not included in the files reviewed; however, it is reported to have included an evaluation of historical site uses, an agency file review, a summary of field reconnaissance, and recommendations for soil and groundwater sampling to be performed as part of a Phase II assessment (Landau 1990).

- In 1988, a Phase II environmental assessment encompassing both sites was conducted by Hart Crowser, Inc. on behalf of Evergreen Marine Leasing in support of a possible sale of the property. This assessment was documented in three separate reports (Hart Crowser 1989a, b, and c). This effort included installing a number of soil borings and monitoring wells and collecting and analyzing soil and groundwater samples. As part of this effort, two petroleum underground storage tanks (USTs) and adjacent contaminated soil were removed from the northern portion of the Crowley property (Parcel F).

- Landau Associates, Inc. was subsequently tasked by Boeing, a potential purchaser, to assess the adequacy of the Hart Crowser Phase II work. Landau concluded that the Phase II investigations did not adequately address some potential contaminant sources and that the overall number of samples and analyses performed were insufficient. Landau conducted additional investigation activities to address these data gaps. This work, which encompassed both sites, included further research into past site uses and potential contaminant sources, further interpretation of existing studies, and the installation of a number of additional soil borings and monitoring wells and collection and analysis of additional soil and groundwater samples. The results of this work are documented in Landau (1990).

- Subsequently, Hart Crowser performed additional sampling in the southern portion of the Crowley property (Parcel D) to better define the extent of soil contamination in this area (Hart Crowser 1990). Hart Crowser also excavated several underground storage tanks and associated contaminated soil on the First South property (Parcel E) (Hart Crowser 1991, 1996).

It should be noted that these upland investigations were undertaken in the late 1980s and early 1990s primarily to evaluate environmental liabilities associated with sale or redevelopment of all or parts of the sites. The studies were focused on comparison of soil and groundwater contaminant levels to human health-based criteria (e.g., direct contact/ingestion) or to waste management criteria (to support treatment/disposal cost estimates). None of these studies was designed specifically to assess sediment recontamination via the groundwater pathway.

## 3.0 Hydrogeology

The two sites are underlain by approximately 4 to 14 feet of sand to silty sand fill overlying native tide flat and river deposits. The native soils consist primarily of interbedded sands and silts. A shallow, water-table aquifer is developed in these materials and is thought (based on regional studies) to extend to a depth of 70 to 80 feet where the alluvial materials become significantly finer grained and less permeable.

The water table is tidally influenced and ranges in depth across the sites from about 6 to 10 feet at high tide to about 7 to 14 feet at low tide. Overall, groundwater flows radially from most of the adjacent upland areas toward Slip 4 at low tide (with gradients of 0.003 to 0.007) and away from Slip 4 at high tide (with gradients of 0.001 to 0.003) (Landau 1990). Groundwater from the extreme south and west margins of the Crowley property discharges directly to the Duwamish River. Water table elevation contours and flow directions at high tide and low tide are shown in Figures 1 and 2, respectively.

Net flow from both sites is toward Slip 4 (or, in the case of the extreme south and west margins of the Crowley property, toward the Duwamish River). However, given the influence of tidal changes on the groundwater gradients, the discontinuity and heterogeneity of the aquifer materials underlying the sites, the uneven topography of the fill/native material contact, and the complex recharge patterns that likely exist, the actual groundwater flow paths are likely to be variable and complex.

The water-table elevations at the site typically range between -1 ft and +1 ft (referenced to the National Geodetic Vertical Datum [NGVD]) at low tide and about +3 ft at high tide, and the surface water elevation in Slip 4 ranges from about -6 ft to +6 ft (NGVD) (Landau 1990), indicating that the water table intersects the Slip 4 shoreline in the intertidal zone.

# 4.0 Crowley Property

## 4.1 Contaminant Sources

Known historical uses of the sites and potential contaminant sources are presented by Hart Crowser (1989a, b, and c). Additional research into past site uses was performed by Landau (1990). Contaminant inputs to Slip 4 are summarized in Ecology (2006). Significant contaminant sources identified for the Crowley property include a former wood creosoting facility, an associated pole yard, and a pipe dipping vat (Parcel D) and petroleum USTs (Parcel F). Figures 3 and 4 identify known past site activities.

## 4.2 Soil and Groundwater Data

Table 1 lists all soil stations and groundwater monitoring wells that were sampled as part of one or more of the above-referenced investigations and indicates which, if any, of the COCs were analyzed. Sample locations are shown on Figure 5.

### 4.2.1 Comparison to Screening Levels

Soil and groundwater results from the site were compared to draft screening levels (SLs) designed to be protective of the groundwater-to-sediment pathway. These screening levels were developed to assist in the identification of upland properties which may pose a potential risk of recontamination of Slip 4 sediments (SAIC 2006). The screening levels incorporate a number of conservative assumptions, including the absence of contaminant dilution and ample time for contaminant concentrations in soil, sediment, and groundwater to achieve equilibrium. In addition, the screening levels do not address issues of contaminant mass flux from upland to sediments nor do they address the area or volume of sediment that might be affected by upland contaminants. Because of these assumptions and uncertainties, these screening levels are most appropriately used for one-sided comparisons. If contaminant concentrations in upland soil or groundwater are below these screening levels, then it is unlikely that they will lead to exceedance of marine sediment Cleanup Screening Levels (CSLs). However, upland concentrations that exceed these screening levels *may or may not* pose a threat to marine sediments; additional site-specific information must be considered in order to make such an assessment.

Tables 2 and 3 summarize chemical results for borings and wells, respectively, and show the corresponding SLs, described above. For soils, the SLs shown are those developed to be

protective of the soil-to-groundwater-to-sediment pathway. For groundwater, the SLs shown are those developed to be protective of the groundwater-to-sediment pathway.[1]

Samples where SLs are exceeded are summarized in Tables 4 and 5 for soil and groundwater, respectively. For clarity, Tables 4 and 5 show exceedance factors rather than concentrations (concentrations are shown in Tables 2 and 3). An exceedance factor is the ratio of the chemical concentration in a sample to its corresponding SL (e.g., an exceedance factor of 5 indicates that the sample concentration is five times higher than its SL). Exceedance factors for PAHs and PCBs in soil are shown on Figures 6 and 7 and for PAHs in groundwater on Figure 8.

#### 4.2.2 Detection Limits

In some cases, laboratory detection limits were not available or were inadequate to allow meaningful comparison to SLs.

Detection limits for COCs in soil were judged to be adequate to allow meaningful comparison to SLs for data from Parcel D. Numeric detection limits are not available for many PAH analyses from Parcel F samples; however, based on the analytical methodology used, it is judged that the actual DLs achieved for these analyses were probably also adequate for comparison.

Detection limits for COCs in groundwater were judged to be adequate to allow meaningful comparison to SLs for phthalates, PCBs, and some PAHs. However, DLs achieved for the PAHs benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and benzo(k)fluoranthene moderately exceeded SLs (e.g., by factors of ~2 to 4) and DLs achieved for benzo(g,h,i)perylene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene significantly exceeded SLs (e.g., by factors of ~10 to 70).

### 4.3 Contaminant Distribution

**PAHs.** PAHs exceeded SLs in soil samples in roughly half the borings in the southern portion of the Crowley property (Parcel D); these exceedances were distributed throughout most of the areas in Parcel D that were investigated. The highest exceedances were found in soil borings DB6, DB11, and HC-103. There were no PAH exceedances of SLs in soil samples in the northern portion of the Crowley property (Parcel F).

PAHs exceeded SLs in groundwater samples from roughly half the monitoring wells in the southern portion of the Crowley property (Parcel D); most of these wells were located in or near borings where soil also exceeded SLs. Exceedance factors of groundwater SLs in these wells ranged up to a maximum of 27. There were no PAH exceedances of SLs in monitoring wells in the northern portion of the Crowley property (Parcel F).

[1] SAIC (2006) includes several different sets of screening levels. Each set was developed using different chemical transport and endpoint scenarios. For the purposes of the current assessment, the screening levels used are those that assume vadose-zone conditions (for soil contamination) and SMS Cleanup Screening Levels (CSLs) as endpoint concentrations.

Soil samples where PAHs exceeded SLs ranged in depth from approximately 2 to 17 feet below ground surface; most such samples were from depths of less than 6 feet. Examination of individual boring logs and/or water-table elevation data indicates that most soils exceeding SLs are located above the high-tide water table. However, the highest PAH concentrations in groundwater are associated with areas of deeper soil contamination.

**PCBs.** PCBs exceeded SLs in soil samples from three soil borings in the southern portion of the Crowley property (Parcel D) with exceedance factors of two to four. There were no exceedances of screening levels in soil samples in the northern portion of the Crowley property (Parcel F). There were no exceedances of PCBs in groundwater samples from the Crowley property.

**Phthalates.** There were no exceedances of SLs for phthalates in any soil or groundwater sample from the Crowley property that were not attributed to possibly/probably blank or laboratory contamination (i.e., that were not "B-flagged").

### 4.4 Sediment Recontamination Potential

Based on existing data, the main potential for future sediment recontamination in Slip 4 appears to be associated with PAHs in the southern portion of the Crowley property (Parcel D). PAHs in this area are widespread, occur at high concentrations relative to SLs, and are present in both soil and groundwater. In addition, the downgradient extent of groundwater having significant exceedances of SLs, particularly in the vicinity of DMW-3 and DMW-6, is poorly defined.

Given that known source areas of PAHs are located 200 feet or more from the shore—and in light of the conservative (protective) nature of the SLs— it is quite possible that contaminants in groundwater do not discharge to Slip 4 at concentrations that would actually recontaminate sediments The spatial distribution of PAHs (and other COCs) in Slip 4 sediments tend to support this by suggesting that contaminant sources are near the head of the slip (e.g., surface water outfalls) rather than groundwater discharge from the southern portion of the Crowley property. However, there are no monitoring data that allow direct assessment of whether COCs are currently discharging to Slip 4 in this area and at what concentrations.

It should also be noted that large portions of the southern portion of the Crowley property were not investigated by previous studies (e.g., much of the eastern half to two-thirds of the parcel). Although these studies used historical records in a reasonable way to target sampling locations, the site history is complex, historical records are often incomplete, and it is possible that undiscovered source areas may exist.

Existing data suggest that COC recontamination potential from the northern portion of the Crowley property (Parcel F) is low.

### 4.5 Recommendations

In order to address uncertainty regarding the extent of PAH-contaminated groundwater in the southern portion of the Crowley property (Parcel D), and whether groundwater exceeding SLs discharges from this area to Slip 4, we recommend a series of groundwater monitoring wells be

installed along the Parcel D shoreline. All COCs would be tested for and analytical methods would be chosen to obtain appropriate detection limits. Wells would be sampled at low tide to minimize dilution by surface water. The wells would be surveyed (elevation) using the same datum as existing monitoring wells. Water table elevation measurements would be collected to refine groundwater flow directions and discharge locations. If COCs in these wells exceed SLs then additional evaluation would be performed to judge the significance of recontamination potential (e.g., refinement of SLs to take into account site-specific information, groundwater-discharge rates and contaminant flux estimates, intertidal sediment pore-water sampling, etc.).

# 5.0 First South Properties

## 5.1 Contaminant Sources

Known historical uses of the sites and potential contaminant sources are presented by Hart Crowser (1989a, b, and c). Additional research into past site uses was performed by Landau (1990). Contaminant inputs to Slip 4 are summarized in Ecology (2006). Significant contaminant sources identified at the First South property include an asphalt plant and petroleum USTs. Figures 3 and 4 identify known past site activities.

## 5.2 Soil and Groundwater Data

Table 1 lists all soil stations and groundwater monitoring wells that were sampled as part of one or more of the above-referenced investigations and indicates which, if any, of the COCs were analyzed. Sample locations are shown on Figure 5.

### 5.2.1 Comparison to Screening Levels

As discussed in section 4.2.1 above, soil and groundwater results from the site were compared to draft screening levels (SLs) designed to be protective of the groundwater-to-sediment pathway. If contaminant concentrations in upland soil or groundwater are below these screening levels, then it is unlikely that they will lead to exceedance of marine sediment CSLs. However, upland concentrations that exceed these screening levels *may or may not* pose a threat to marine sediments; additional site-specific information must be considered in order to make such an assessment.

Tables 2 and 3 summarize chemical results for borings and wells, respectively, and show the corresponding SLs, described above. For soils, the SLs shown are those developed to be protective of the soil-to-groundwater-to-sediment pathway. For groundwater, the SLs shown are those developed to be protective of the groundwater-to-sediment pathway.[2]

Samples where SLs are exceeded are summarized in Tables 4 and 5 for soil and groundwater, respectively. For clarity, Tables 4 and 5 show exceedance factors rather than concentrations

[2] SAIC (2006) includes several different sets of screening levels. Each set was developed using different chemical transport and endpoint scenarios. For the purposes of the current assessment, the screening levels used are those that assume vadose-zone conditions (for soil contamination) and SMS Cleanup Screening Levels (CSLs) as endpoint concentrations.

(concentrations are shown in Tables 2 and 3). An exceedance factor is ratio of the chemical concentration in a sample to its corresponding SL (e.g., an exceedance factor of 5 indicates that the sample concentration is five times higher than its SL). Exceedance factors for PAHs and PCBs in soil are shown on Figures 6 and 7 and for PAHs in groundwater on Figure 8.

#### 5.2.2 Detection Limits

In some cases, laboratory detection limits were not available or were inadequate to allow meaningful comparison to SLs.

Detection limits for COCs in soil were judged to be adequate to allow meaningful comparison to SLs for data from this site.

Detection limits for COCs in groundwater were judged to be adequate to allow meaningful comparison to SLs for phthalates, PCBs, and some PAHs. DLs were not available for many PAHs in most wells at this site; however, based on DLs achieved during concurrent investigations at the Crowley property, it is likely that DLs for the PAHs benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and benzo(k)fluoranthene moderately exceeded SLs and DLs achieved for benzo(g,h,i)perylene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene significantly exceeded SLs.

### 5.3 Contaminant Distribution

**PAHs.** PAHs exceeded SLs in only one soil boring, EB11, in Parcel E with a maximum exceedance factor of 3. PAHs exceeded SLs in only one Parcel E monitoring well, and only by a very small margin.

**PCBs.** There were no exceedances of SLs in soil or groundwater samples from the First South parcel.

**Phthalates.** There were no exceedances of SLs for phthalates in any soil or groundwater sample that were not attributed to possibly/probably blank or laboratory contamination (i.e., that were not "B-flagged") in the First South parcel.

In addition to soil boring and monitoring well samples, one seep sample was collected from the shore of the First South property in 2004 (Windward 2004). This sample, Seep10, was analyzed for PAHs, PCBs, and phthalates; none of these COCs was detected.

### 5.4 Sediment Recontamination Potential

Existing soil and groundwater data suggest that COC sediment recontamination potential from the First South property is low.

### 5.5 Recommendations

Based on the evaluation described above, no actions are recommended for this property.

## 6.0 References

Ecology. 2006. Lower Duwamish Waterway Source Control Action Plan for the Slip 4 Early Action Area. Washington State Department of Ecology Publication No. 06-09-046. July 2006.

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Windward. 2004. Data Report: Survey And Sampling Of Lower Duwamish Waterway Seeps. Windward Environmental, LLC. November 18, 2004.

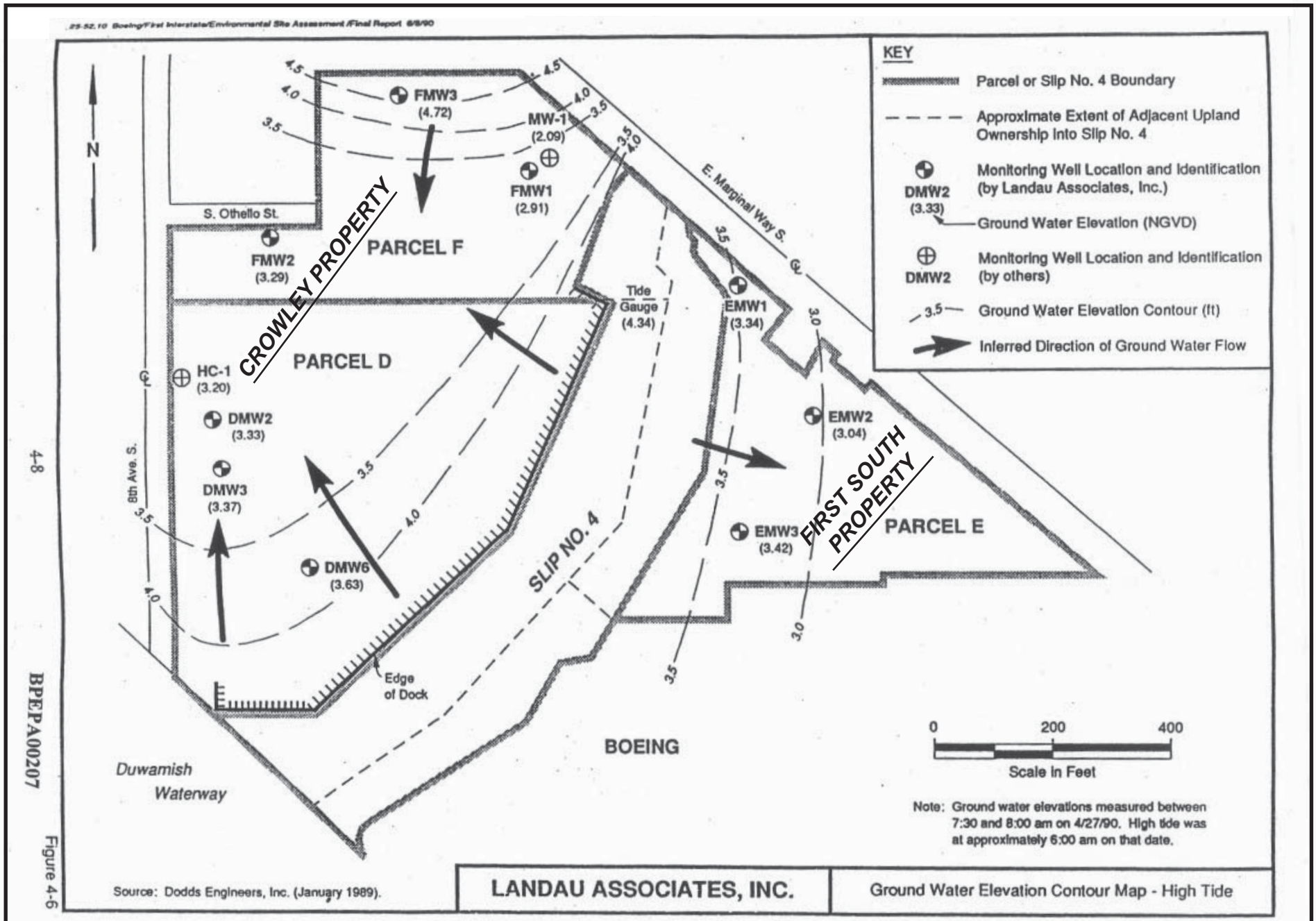


**Figure 1. Groundwater Elevation Contour Map — High Tide**

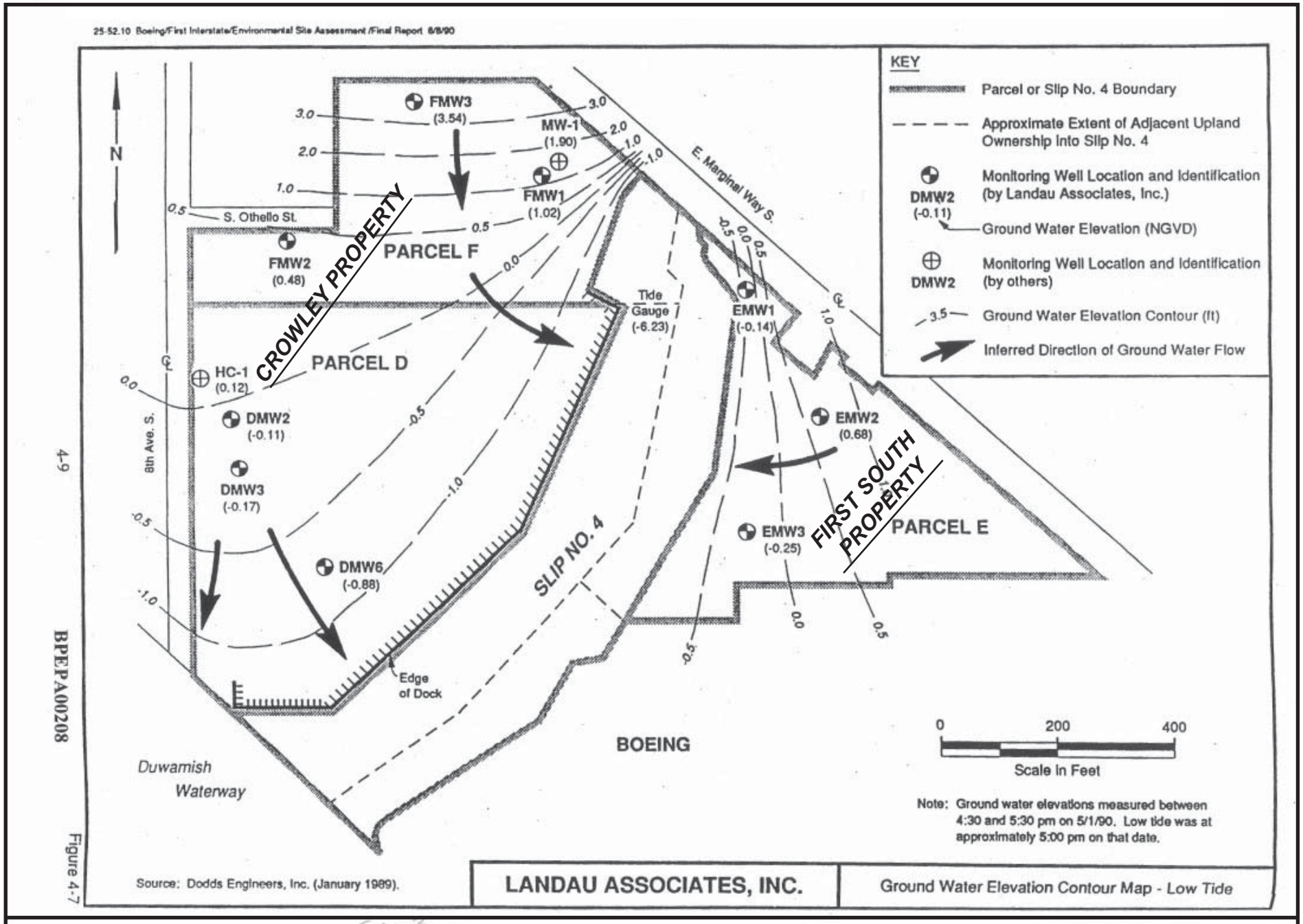


**Figure 2. Groundwater Elevation Contour Map — Low Tide**



BPEPA00208

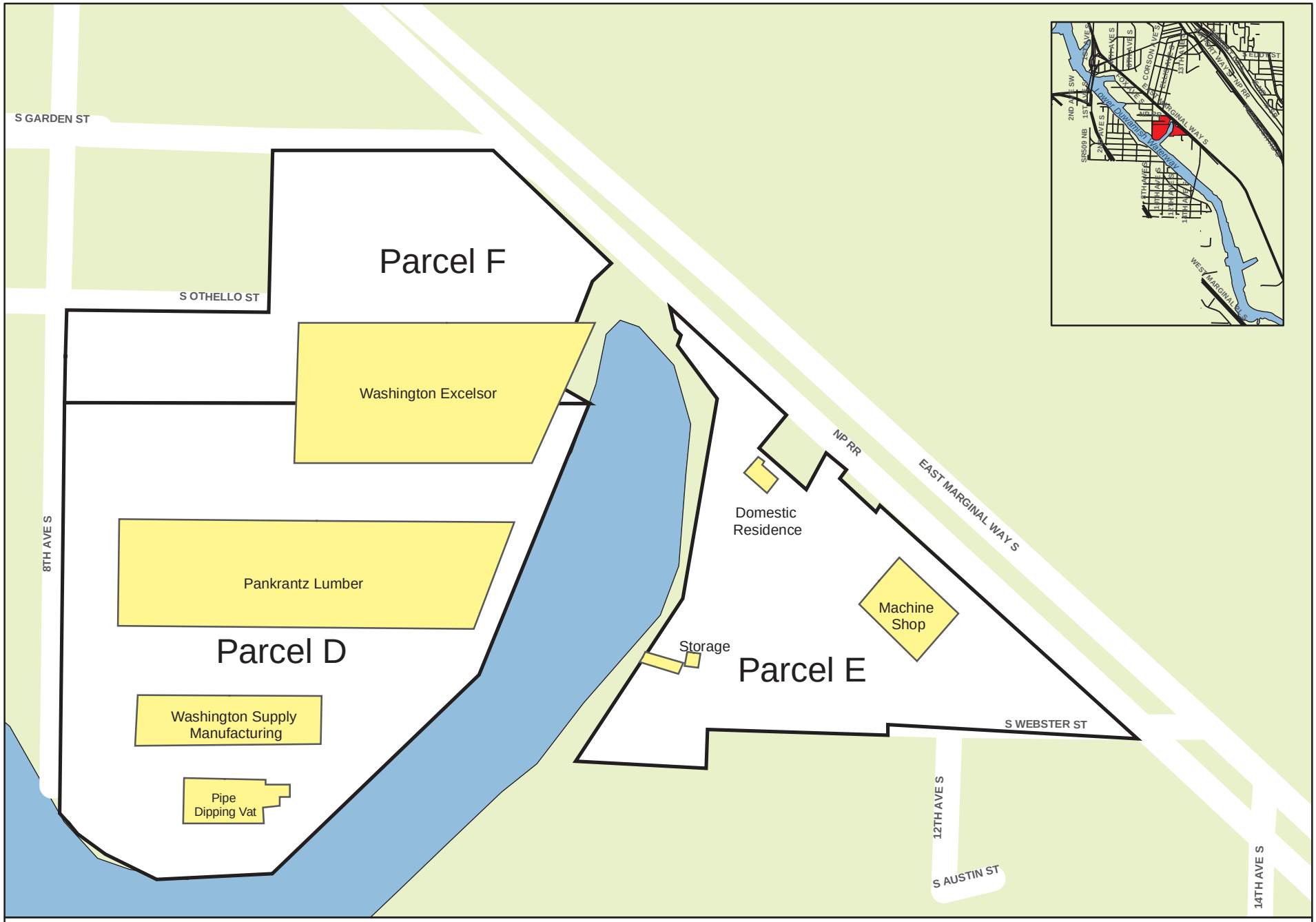


**Figure 3. Slip 4 Adjacent Properties: 1929 Features**

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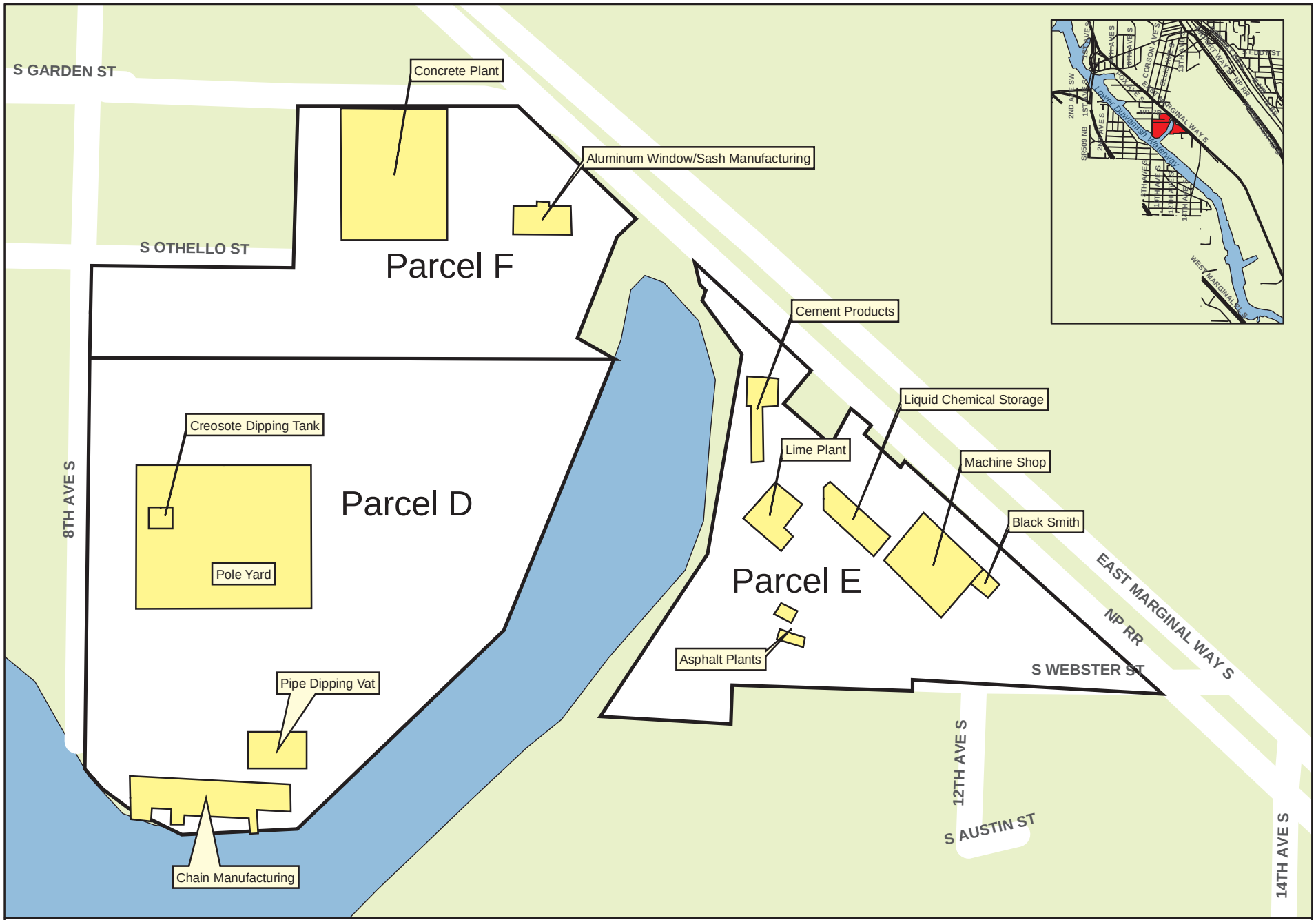


**Figure 4. Slip 4 Adjacent Properties: 1950 Features**

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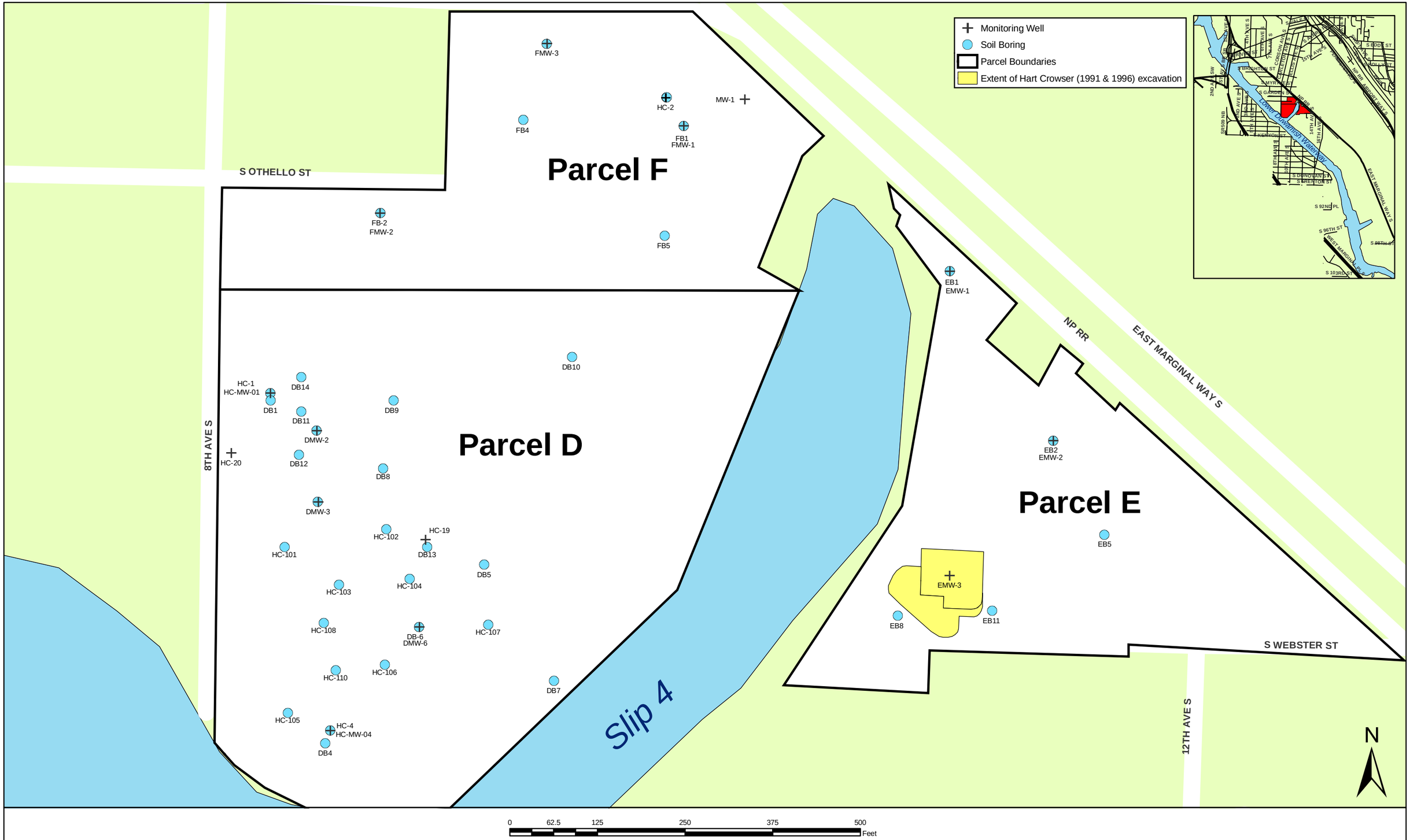


**Figure 5. Slip 4 Adjacent Properties: Sample Locations**

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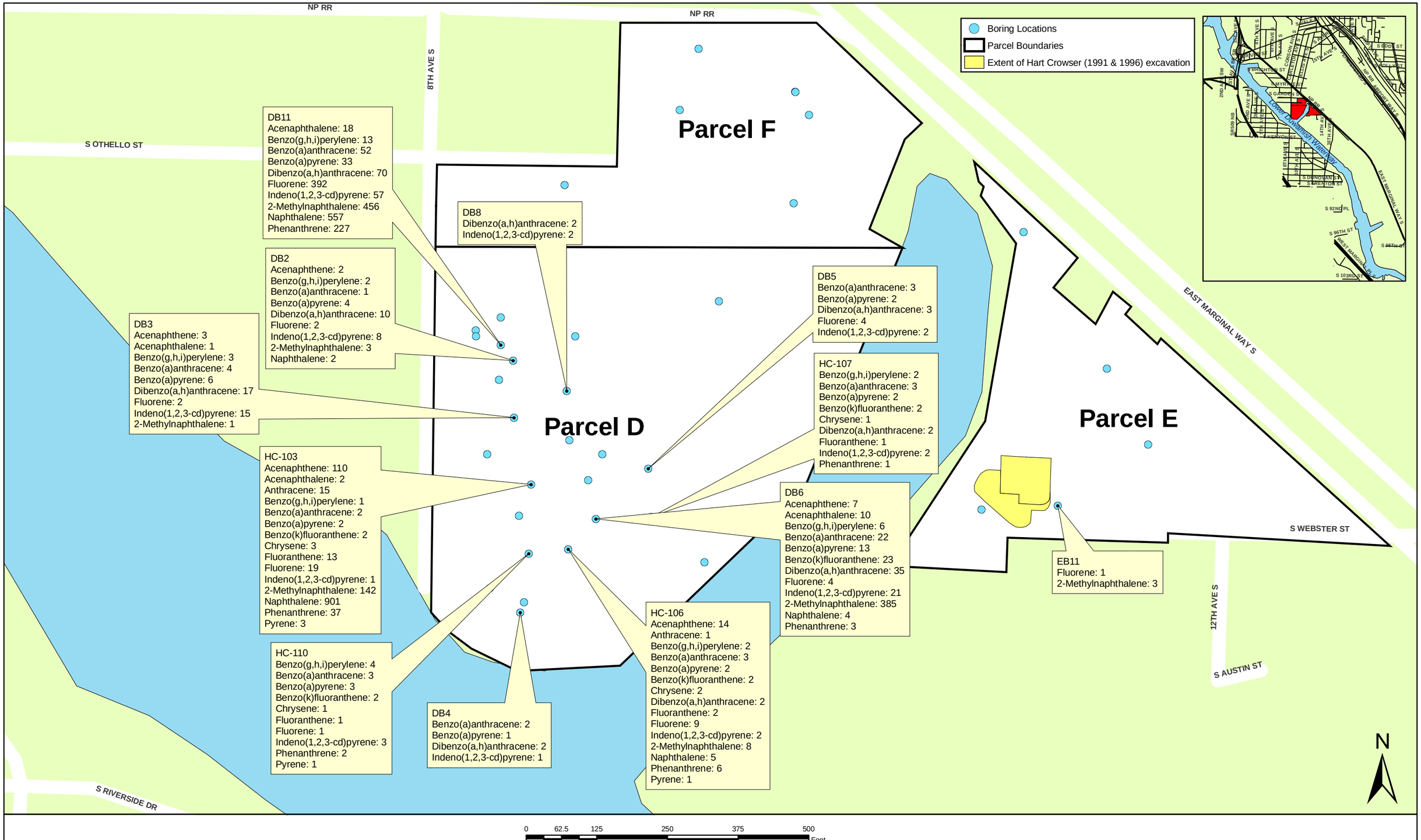


**Figure 6. Slip 4 Adjacent Properties: PAH Soil Exceedance Factors**

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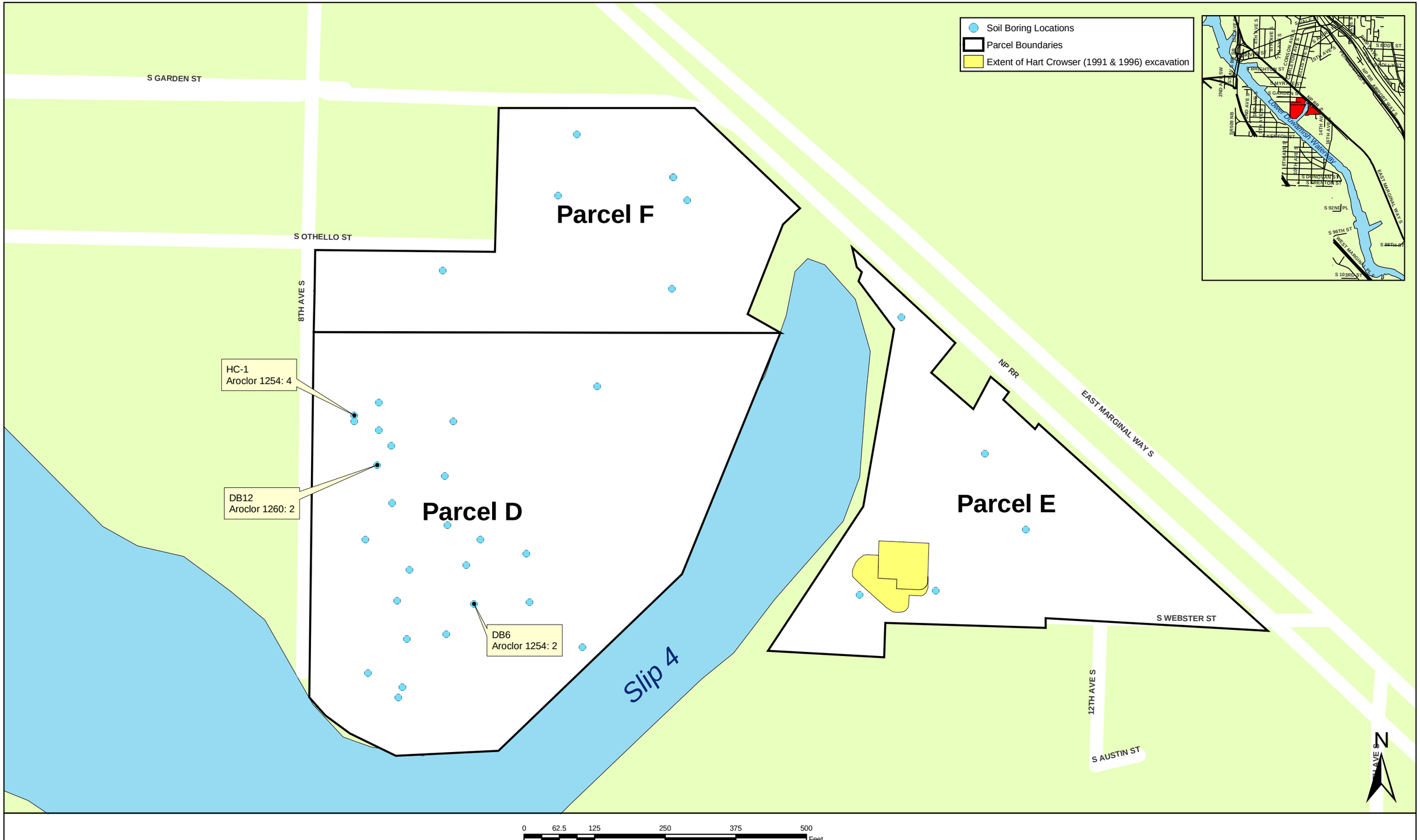


**Figure 7. Slip 4 Adjacent Properties: PCB Soil Exceedance Factors**

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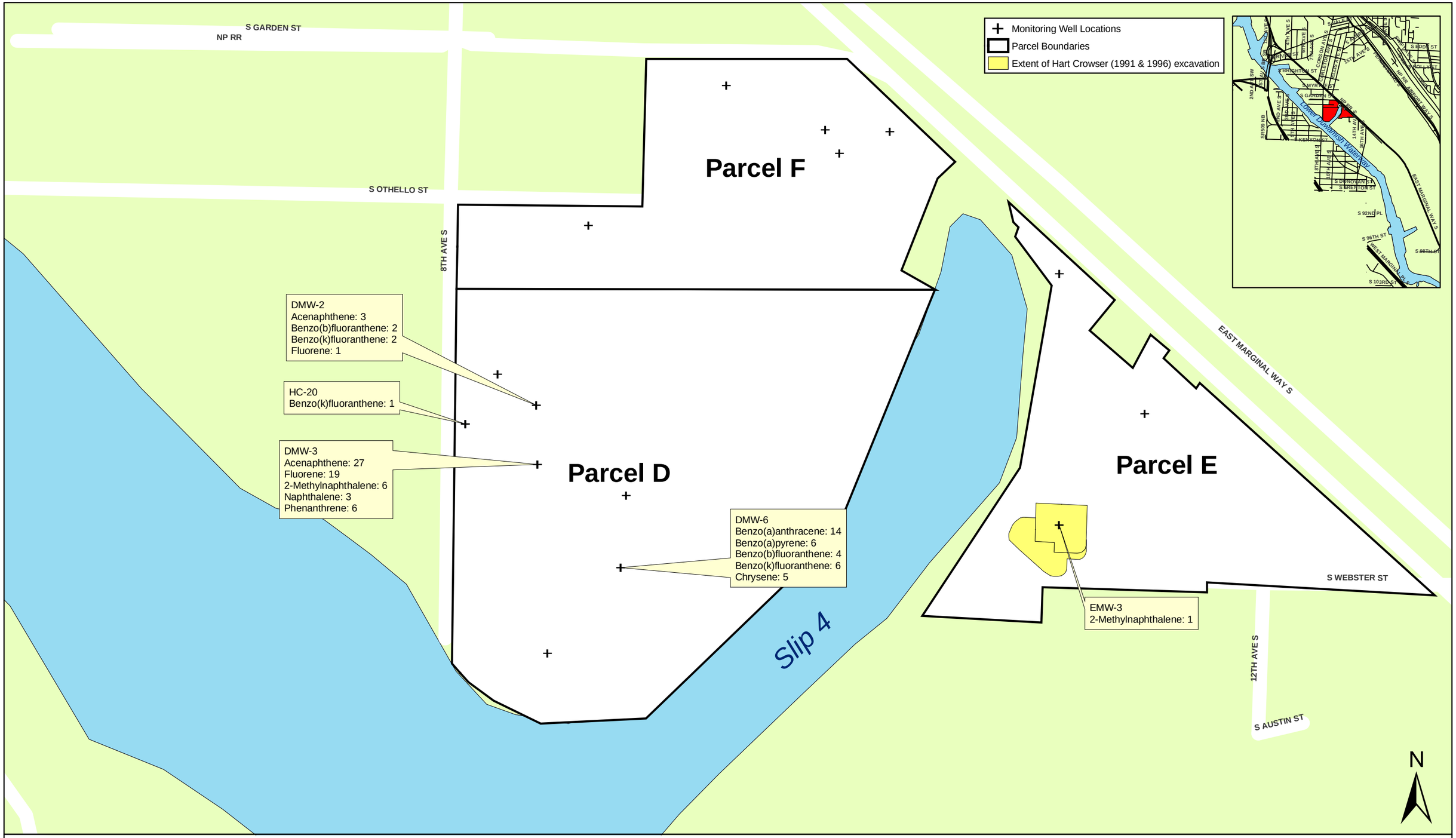


**Figure 8. Slip 4 Adjacent Properties: PAH Groundwater Exceedance Factors**

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## Table 1: Summary of Sample Stations and COC Analyses

| Parcel | Matrix | Station | PCBs | Phthalates | PAHs | Reference | Notes |
|---|---|---|---|---|---|---|---|
| D | Soil | HC-1 | x | | | 1 | |
| D | Soil | HC-3 | | | | 1 | Not analyzed for COCs |
| D | Soil | HC-4 | x | | | 1 | |
| D | Soil | HC-5 | | | | 1 | Not analyzed for COCs |
| D | Soil | HC-6 | | | | 1 | Not analyzed for COCs |
| D | Soil | HC-7 | | | | 1 | Not analyzed for COCs |
| D | Soil | HC-8 | | | | 1 | Not analyzed for COCs |
| D | Soil | HC-9 | | | | 1 | Not analyzed for COCs |
| D | Soil | HC-10 | | | | 1 | Not analyzed for COCs |
| D | Soil | HC-11 | | | | 1 | Not analyzed for COCs |
| D | Soil | HC-12 | | | | 1 | Not analyzed for COCs |
| D | Soil | HC-13 | | | | 1 | Not analyzed for COCs |
| D | Soil | HC-14 | | | | 1 | Not analyzed for COCs |
| D | Soil | HC-15 | | | | 1 | Not analyzed for COCs |
| D | Soil | HC-16 | | | | 1 | Not analyzed for COCs |
| D | Soil | HC-17 | | | | 1 | Not analyzed for COCs |
| D | Soil | HC-18 | | | | 1 | Not analyzed for COCs |
| D | Soil | HC-19 | | | | 1 | Not analyzed for COCs |
| D | Soil | HC-20 | | | | 1 | Not analyzed for COCs |
| D | Soil | DB1 | x | x | x | 2 | |
| D | Soil | DB2 | x | x | x | 2 | |
| D | Soil | DB3 | x | x | x | 2 | |
| D | Soil | DB4 | x | x | x | 2 | |
| D | Soil | DB5 | x | x | x | 2 | |
| D | Soil | DB6 | x | x | x | 2 | |
| D | Soil | DB7 | x | x | x | 2 | |
| D | Soil | DB8 | x | x | x | 2 | |
| D | Soil | DB9 | x | x | x | 2 | |
| D | Soil | DB10 | x | x | x | 2 | |
| D | Soil | DB11 | x | x | x | 2 | |
| D | Soil | DB12 | x | x | x | 2 | |
| D | Soil | DB13 | x | x | x | 2 | |
| D | Soil | DB14 | x | x | x | 2 | |
| D | Soil | HC-101 | | | x | 3 | |
| D | Soil | HC-102 | | | x | 3 | |
| D | Soil | HC-103 | | | x | 3 | |
| D | Soil | HC-104 | | | x | 3 | |
| D | Soil | HC-105 | | | x | 3 | |
| D | Soil | HC-106 | | | x | 3 | |
| D | Soil | HC-107 | | | x | 3 | |
| D | Soil | HC-108 | | | x | 3 | |
| D | Soil | HC-109 | | | x | 3 | Location of sample unkown |
| D | Soil | HC-110 | | | x | 3 | |
| E | Soil | EB1 | x | x | x | 2 | |
| E | Soil | EB2 | x | x | x | 2 | |
| E | Soil | EB3 | x | x | x | 2 | This soil has been excavated |
| E | Soil | EB4 | x | x | x | 2 | This soil has been excavated |
| E | Soil | EB5 | x | x | x | 2 | |
| E | Soil | EB6 | x | x | x | 2 | This soil has been excavated |
| E | Soil | EB7 | x | x | x | 2 | This soil has been excavated |
| E | Soil | EB8 | x | x | x | 2 | |
| E | Soil | EB9 | | | | 2 | Not sampled |
| E | Soil | EB10 | | | | 2 | Not sampled |
| E | Soil | EB11 | x | x | x | 2 | |
| E | Soil | EB12 | | | | 2 | Not sampled |

# Table 1: Summary of Sample Stations and COC Analyses

| Parcel | Matrix | Station | PCBs | Phthalates | PAHs | Reference | Notes |
|---|---|---|---|---|---|---|---|
| E | Soil | EB13 | x | x | x | 2 | This soil has been excavated |
| F | Soil | FB1 | x | x | x | 2 | |
| F | Soil | FB2 | x | x | x | 2 | |
| F | Soil | FB3 | x | x | x | 2 | |
| F | Soil | FB4 | x | x | x | 2 | |
| F | Soil | FB5 | x | x | x | 2 | |
| F | Soil | FSS2 | x | x | x | 2 | Surface soil sample |
| F | Soil | FSS3 | x | x | x | 2 | Surface soil sample |
| F | Soil | SS-1 | x | | | 5 | Surface soil composite sample |
| F | Soil | SS-2 | x | | | 5 | Surface soil composite sample |
| F | Soil | SS-3 | x | | | 5 | Surface soil composite sample |
| F | Soil | SS-4 | x | | | 5 | Surface soil composite sample |
| F | Soil | SS-5 | x | | | 5 | Surface soil composite sample |
| F | Soil | HC-2 | x | | | 5 | |
| D | Groundwater | HC-MW-01 | x | x | x | 1, 3 | |
| D | Groundwater | HC-MW-04 | x | x | x | 1, 3 | |
| D | Groundwater | HC-19 | | | x | 3 | |
| D | Groundwater | HC-20 | | | x | 3 | |
| D | Groundwater | DMW-2 | x | x | x | 2, 3 | |
| D | Groundwater | DMW-3 | x | x | x | 2, 3 | |
| D | Groundwater | DMW-6 | x | x | x | 2, 3 | |
| E | Groundwater | EMW-1 | x | x | x | 2 | |
| E | Groundwater | EMW-2 | x | x | x | 2 | |
| E | Groundwater | EMW-3 | x | x | x | 2 | |
| E | Groundwater | MW-101 | | | | 4 | Not analyzed for COCs |
| E | Groundwater | MW-102 | | | x | 4 | |
| E | Groundwater | MW-103 | | | | 4 | Not analyzed for COCs |
| E | Groundwater | MW-104 | | | | 4 | Not analyzed for COCs |
| E | Groundwater | MW-102A | | | | 4 | Not analyzed for COCs |
| F | Groundwater | HC-2 | x | x | x | 5 | |
| F | Groundwater | MW-1 | x | x | x | 5 | |
| F | Groundwater | FMW-1 | x | x | x | 2 | |
| F | Groundwater | FMW-2 | x | x | x | 2 | |
| F | Groundwater | FMW-3 | x | x | x | 2 | |

**References:**

1. Hart Crowser (1989c)
2. Landau (1990)
3. Hart Crowser (1990)
4. Hart Crowser (1989a)
5. Hart Crowser (1989b)

## Table 2: Concentrations of COCs in Subsurface Soils (mg/kg)

| Station | Sample | Parcel | PAHs | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | acenaphthene | acenaphthylene | anthracene | benzo(g,h,i)perylene | benzo[a]anthracene | benzo[a]pyrene | benzo[b]fluoranthene | benzo[k]fluoranthene | chrysene | dibenz[a,h]anthracene | fluoranthene | fluorene | indeno[1,2,3-cd]pyrene | methylnaphthalene, 2- |
| HC-1 | HC-1/S-1 | D | | | | | | | | | | | | | | |
| HC-4 | HC-4/S-2 | D | | | | | | | | | | | | | | |
| DB1 | DB1-5 | D | 0.05 U | 0.059 U | 0.059 U | 0.059 U | 0.059 U | 0.059 U | ND U | ND U | 0.12 | 0.059 U | 0.14 | 0.059 U | 0.059 U | 0.059 |
| DB1 | DB1-6.5 | D | 0.06 U | 60 U | 0.06 U | 0.06 U | 0.06 U | 0.06 U | ND U | ND U | 0.081 | 0.06 U | 0.1 | 0.06 U | 0.06 U | 0.06 |
| DB1 | DB1-9.5 | D | 0.062 U | 62 U | 0.062 U | 0.062 U | 0.062 U | 0.062 U | ND U | ND U | 0.062 U | 0.062 U | 0.062 U | 0.062 U | 0.062 U | 0.062 |
| DB2 | DB2-3.5 | D | 0.058 U | 58 U | 0.039 | 0.054 | 0.027 | 0.038 | ND U | ND U | 0.038 | 0.058 U | 0.041 | 0.058 U | 0.048 | 0.058 |
| DB2 | DB2-4.5 | D | 0.2 B | 0.52 | 3.7 B | 2.8 | 7.3 | 18 | ND U | ND U | 19 B | 6.8 | 4.5 B | 0.31 U | 14 | 0.1 |
| DB2 | DB2-7 | D | 4 B | 0.25 | 6.2 B | 0.88 | 2.8 | 4.6 | ND U | ND U | 7.3 B | 1.8 | 3.2 B | 2.6 | 4.3 | 4.6 |
| DB2 | DB2-9.5 | D | 2.7 | 0.075 U | 0.87 U | 0.25 | 0.92 | 0.74 | ND U | ND U | 0.75 | 0.075 U | 3.3 | 1.7 | 0.26 | 1.4 |
| DB2 | DB2-12 | D | 0.073 U | 0.075 U | 0.073 U | 0.073 U | 0.073 U | 0.073 U | ND U | ND U | 0.073 U | 0.073 U | 0.074 | 0.073 U | 0.073 U | 0.073 |
| DB2 | DB2-18 | D | 0.07 U | 0.07 U | 0.07 U | 0.07 U | 0.07 U | 0.07 U | ND U | ND U | 0.07 U | 0.07 U | 0.076 | 0.07 U | 0.07 U | 0.07 |
| DB3 | DB3-2 | D | 0.082 U | 0.082 U | 0.082 U | 0.082 U | 0.082 U | 0.082 U | ND U | ND U | 0.082 U | 0.082 U | 0.082 U | 0.082 U | 0.082 U | 0.082 |
| DB3 | DB3-3.5 | D | 0.42 B | 1.4 | 8.1 B | 4.1 | 19 | 25 | ND U | ND U | 37 B | 11 | 14 B | 0.64 | 26 | 0.17 |
| DB3 | DB3-6 | D | 0.063 U | 0.063 U | 0.063 U | 0.063 U | 0.063 U | 0.063 U | ND U | ND U | 0.063 U | 0.063 U | 0.063 U | 0.063 U | 0.063 U | 0.063 |
| DB3 | DB3-7.5 | D | 0.073 U | 0.073 U | 0.073 U | 0.073 U | 0.073 U | 0.073 U | ND U | ND U | 0.073 U | 0.073 U | 0.073 U | 0.073 U | 0.073 U | 0.073 |
| DB3 | DB3-9 | D | 0.086 U | 0.086 U | 0.086 U | 0.086 U | 0.086 U | 0.086 U | ND U | ND U | 0.086 U | 0.086 U | 0.086 U | 0.086 U | 0.086 U | 0.086 |
| DB3 | DB3-13.5 | D | 1.3 | 0.066 U | 0.066 U | 0.066 U | 0.066 U | 0.066 U | ND U | ND U | 0.066 U | 0.066 U | 0.052 | 0.53 | 0.066 U | 0.67 |
| DB3 | DB3-17 | D | 3.5 | 0.078 U | 1.2 | 0.078 U | 0.078 U | 0.078 U | ND U | ND U | 0.078 U | 0.078 U | 2.1 | 2.9 | 0.078 U | 1.5 |
| DB4 | DB4-6 | D | 1.4 B | 0.35 U | 5.1 B | 0.15 | 13 | 5.2 | ND U | ND U | 13 B | 1.3 | 22 B | 1.4 B | 2.3 | 0.35 |
| DB4 | DB4-8.5 | D | 0.29 B | 0.13 U | 0.93 B | 0.076 | 2.6 | 1.1 | ND U | ND U | 2.6 B | 0.33 | 5 B | 0.27 B | 0.53 | 0.13 |
| DB4 | DB4-11 | D | 0.085 U | 0.085 U | 0.085 U | 0.085 U | 0.085 U | 0.085 U | ND U | ND U | 0.085 U | 0.085 U | 0.085 U | 0.085 U | 0.085 U | 0.085 |
| DB5 | DB5-2 | D | 8.6 B | 0.37 U | 13 B | 0.26 | 18 | 7.7 | ND U | ND U | 20 B | 1.8 | 35 B | 5.9 | 3.4 | 0.93 |
| DB5 | DB5-8 | D | 0.062 U | 0.062 U | 0.062 U | 0.062 U | 0.062 U | 0.062 U | ND U | ND U | 0.062 U | 0.062 U | 0.062 U | 0.062 U | 0.062 U | 0.062 |
| DB5 | DB5-11 | D | 0.068 U | 0.068 U | 0.068 U | 0.068 U | 0.068 U | 0.068 U | ND U | ND U | 0.068 U | 0.068 U | 0.059 | 0.068 U | 0.068 U | 0.068 |
| DB6 | DB6-2 | D | 4.9 B | 0.3 U | 16 B | 0.44 | 4.8 | 2.6 | 6.9 | 6.9 | 9.9 B | 0.92 | 14 B | 4 B | 1.6 | 3 |
| DB6 | DB6-4.5 | D | 570 B | 13 | 910 B | 9.2 | 120 | 53 | 210 | 210 | 380 B | 23 | 640 B | 420 B | 37 | 540 |
| DB6 | DB6-7 | D | 43 B | 1.3 | 110 B | 6.3 | 25 | 13 | 35 | 35 | 40 B | 3.5 | 56 B | 32 B | 7.2 | 51 |
| DB6 | DB6-10 | D | 0.23 | 0.078 U | 0.67 | 0.078 U | 0.1 | 0.078 U | 0.078 U | 0.078 U | 0.26 | 0.078 U | 0.35 | 0.19 | 0.078 U | 0.16 |
| DB6 | DB6-13 | D | 8.5 | 0.19 | 11 | 0.59 | 3.1 | 1.8 | 4 | 4 | 6.7 | 0.36 | 9.3 | 6.3 | 0.82 | 6.4 |
| DB6 | DB6-16 | D | 1.2 | 0.084 U | 2.5 | 0.084 U | 0.39 | 0.2 | 0.4 | 0.4 | 0.92 | 0.084 U | 1.5 | 0.92 | 0.084 U | 1 |
| DB6 | DB6-18.5 | D | 0.11 | 0.093 U | 0.63 | 0.093 U | 0.08 | 0.093 U | 0.093 U | 0.093 U | 0.23 | 0.093 U | 0.27 | 0.1 | 0.093 U | 0.093 |
| DB7 | DB7-6 | D | 0.06 U | 0.06 U | 0.06 U | 0.06 U | 0.06 U | 0.06 U | ND U | ND U | 0.06 U | 0.06 U | 0.052 | 0.06 U | 0.06 U | 0.06 |
| DB7 | DB7-8.5 | D | 0.31 B | 0.027 B | 0.57 B | 0.76 | 0.5 | 1.2 | ND U | ND U | 0.85 B | 0.13 | 1.3 B | 0.27 | 0.88 | 0.25 |
| DB7 | DB7-11.5 | D | 0.96 B | 0.14 U | 2.1 B | 0.14 U | 1.3 | 0.71 | ND U | ND U | 1.9 B | 0.17 | 3.8 B | 0.88 | 0.55 | 0.73 |
| DB8 | DB8-5 | D | 0.061 B | 0.1 | 0.7 B | 0.57 | 1.6 | 3.2 | ND U | ND U | 3.6 B | 1.3 | 1.2 B | 0.082 B | 2.9 | 0.057 |
| DB8 | DB8-8 | D | 0.074 U | 0.074 U | 0.074 U | 0.074 U | 0.074 U | 0.074 U | ND U | ND U | 0.074 U | 0.074 U | 0.074 U | 0.074 U | 0.074 U | 0.074 |
| DB8 | DB8-11 | D | 0.078 U | 0.078 U | 0.078 U | 0.078 U | 0.078 U | 0.078 U | ND U | ND U | 0.078 U | 0.078 U | 0.078 U | 0.078 U | 0.078 U | 0.078 |
| DB9 | DB9-5 | D | 0.053 | 0.033 | 0.2 | 0.86 | 0.5 | 0.99 | ND U | ND U | 1.5 | 0.33 | 0.77 | 0.041 | 0.98 | 0.062 |
| DB9 | DB9-8 | D | 0.069 U | 0.069 U | 0.069 U | 0.069 U | 0.069 U | 0.069 U | ND U | ND U | 0.069 U | 0.069 U | 0.069 | 0.069 | 0.069 U | 0.069 |
| DB9 | DB9-11 | D | 0.091 U | 0.091 U | 0.091 U | 0.091 U | 0.091 U | 0.091 U | ND U | ND U | 0.091 U | 0.091 U | 0.091 U | 0.091 U | 0.091 U | 0.091 |
| DB10 | DB10-5 | D | 0.058 | 0.083 U | 0.13 | 0.25 | 0.8 | 1.2 | ND U | ND U | 1.1 | 0.37 | 0.92 | 0.038 | 1.1 | 0.083 |
| DB10 | DB10-8 | D | 0.08 U | 0.08 U | 0.08 U | 0.08 U | 0.08 U | 0.08 U | ND U | ND U | 0.08 U | 0.08 U | 0.08 U | 0.08 U | 0.08 U | 0.08 |

## Table 2: Concentrations of COCs in Subsurface Soils (mg/kg)

| Station | Sample | Parcel | PAHs | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | acenaphthene | acenaphthylene | anthracene | benzo(g,h,i)perylene | benzo[a]anthracene | benzo[a]pyrene | benzo[b]fluoranthene | benzo[k]fluoranthene | chrysene | dibenz[a,h]anthracene | fluoranthene | fluorene | indeno[1,2,3-cd]pyrene | methylnaphthalene, 2- |
| DB10 | DB10-11 | D | 0.083 U | 0.083 U | 0.083 U | 0.083 U | 0.083 U | 0.083 U | ND U | ND U | 0.083 U | 0.083 U | 0.083 U | 0.083 U | 0.083 U | 0.083 |
| DB11 | DB11-6.5 | D | 0.082 U | 0.082 U | 0.084 U | 0.23 | 0.12 | 0.17 | ND U | ND U | 0.47 | 0.054 | 0.13 | 0.082 U | 0.18 | 0.082 |
| DB11 | DB11-8 | D | 860 B | 24 | 420 B | 20 | 280 | 140 | ND U | ND U | 320 B | 46 | 1200 B | 630 | 100 | 640 |
| DB11 | DB11-9.5 | D | 190 B | 2.6 | 97 B | 5.3 | 86 | 26 | ND U | ND U | 97 B | 8 | 280 B | 140 | 20 | 120 |
| DB12 | DB12-5 | D | 0.39 | 0.089 U | 1 | 0.089 U | 1.2 | 0.54 | ND U | ND U | 1.4 | 0.18 | 3 | 0.45 | 0.38 | 0.055 |
| DB12 | DB12-11.5 | D | 1.5 U | 1.5 U | 1.5 U | 1.5 U | 1.5 U | 1.5 U | ND U | ND U | 0.53 | 1.5 U | 1.5 U | 1.5 U | 1.5 U | 1.2 |
| DB13 | DB13-11 | D | 0.041 | 0.076 U | 0.087 U | 0.076 U | 0.041 | 0.076 U | 0.061 | 0.061 | 0.076 | 0.076 U | 0.13 | 0.033 | 0.076 U | 0.024 |
| DB14 | DB14-9.5 | D | 0.071 U | 0.071 U | 0.071 U | 0.071 U | 0.071 U | 0.071 U | ND U | ND U | 0.071 U | 0.071 U | 0.071 U | 0.071 U | 0.071 U | 0.071 |
| HC-101 | HC-101-S1 | D | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 |
| HC-101 | HC-101-S3 | D | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 |
| HC-101 | HC-101-S4 | D | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 |
| HC-102 | HC-102-S1 | D | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 |
| HC-102 | HC-102-S3 | D | 0.2 U | 0.2 U | 0.33 | 0.59 | 1.7 | 1.1 | 2 | 2.5 | 1.7 | 0.2 U | 3.1 | 0.2 U | 0.58 | 0.2 |
| HC-102 | HC-102-S4 | D | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 |
| HC-103 | HC-103-S3 | D | 0.1 U | 0.1 U | 0.06 | 0.15 | 0.23 | 0.22 | 0.43 | 0.53 | 0.28 | 0.1 U | 0.11 | 0.1 U | 0.14 | 0.1 |
| HC-103 | HC-103-S4 | D | 30 | 0.5 | 28 | 0.51 | 11 | 2.5 | 5.2 | 6.5 | 11 | 0.23 | 55 | 31 | 0.64 | 19 |
| HC-103 | HC-103-S5 | D | | | | | | | | | | | | | | |
| HC-103 | HC-103-S5D | D | 130 | 2.2 | 360 | 1.8 | 9.9 | 7.2 | 14 | 17 | 25 | 0.52 | 310 | 0.4 U | 2 | 200 |
| HC-103 | HC-103-S6 | D | 1.5 | 0.1 U | 1.4 | 0.1 U | 0.24 | 0.065 | 0.13 | 0.13 | 0.23 | 0.1 | 1.5 | 1.8 | 0.1 U | 1.9 |
| HC-103 | HC-103-S7 | D | | | | | | | | | | | | | | |
| HC-104 | HC-104-S2 | D | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 |
| HC-104 | HC-104-S3 | D | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 |
| HC-104 | HC-104-S4 | D | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 |
| HC-104 | HC-104-S5 | D | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 |
| HC-105 | HC-105-S2 | D | 0.13 | 0.1 U | 0.13 | 0.097 | 0.53 | 0.26 | 0.63 | 0.65 | 0.5 | 0.1 U | 0.81 | 0.1 U | 0.12 | 0.1 |
| HC-105 | HC-105-S3 | D | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 |
| HC-105 | HC-105-S4 | D | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 |
| HC-105 | HC-105-S5 | D | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 |
| HC-106 | HC-106-Sl | D | 0.17 | 0.1 U | 0.46 | 0.62 | 1.4 | 1.1 | 2.3 | 2.3 | 1.3 | 0.15 | 2.9 | 2.3 | 0.63 | 0.1 |
| HC-106 | HC-106-S2 | D | 17 | 0.32 | 33 | 3.4 | 18 | 8.6 | 16 | 16 | 20 | 1.1 | 38 | 15 | 3.8 | 11 |
| HC-106 | HC-106-S3 | D | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.53 | 0.1 U | 0.1 U | 0.1 U | 0.51 | 0.1 U | 1 | 0.1 U | 0.1 U | 0.1 |
| HC-106 | HC-106-S4 | D | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 |
| HC-106 | HC-106-S5 | D | | | | | | | | | | | | | | |
| HC-107 | HC-107-S1 | D | 0.67 | 0.1 U | 4.5 | 3.5 | 14 | 8.6 | 17 | 18 | 12 | 1 | 29 | 0.97 | 3.8 | 0.1 |
| HC-107 | HC-107-S2 | D | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 |
| HC-107 | HC-107-S3 | D | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 |
| HC-107 | HC-107-S4 | D | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 |
| HC-107 | HC-107-S5 | D | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 |
| HC-108 | HC-108-S3 | D | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 |
| HC-108 | HC-108-53 | D | | | | | | | | | | | | | | |
| HC-108 | HC-108-S4 | D | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 |
| HC-108 | HC-108-S5 | D | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 |

## Table 2: Concentrations of COCs in Subsurface Soils (mg/kg)

| Station | Sample | Parcel | PAHs | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | acenaphthene | acenaphthylene | anthracene | benzo(g,h,i)perylene | benzo[a]anthracene | benzo[a]pyrene | benzo[b]fluoranthene | benzo[k]fluoranthene | chrysene | dibenz[a,h]anthracene | fluoranthene | fluorene | indeno[1,2,3-cd]pyrene | methylnaphthalene, 2- |
| HC-108 | HC-108-S6 | D | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 |
| HC-109 | HC-109-S2 | D | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.077 | 0.1 U | 0.1 |
| HC-109 | HC-109-S3 | D | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 |
| HC-109 | HC-109-S5 | D | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 |
| HC-110 | HC-110-S1 | D | 0.1 U | 0.1 U | 0.082 | 0.083 | 0.25 | 0.16 | 0.34 | 0.34 | 0.24 | 0.1 U | 0.55 | 0.1 U | 0.081 | 0.1 |
| HC-110 | HC-110-S3 | D | 0.1 U | 0.1 U | 0.065 | 0.18 | 0.38 | 0.32 | 0.58 | 0.6 | 0.41 | 0.1 U | 0.57 | 0.1 U | 0.16 | 0.1 |
| HC-110 | HC-110-S4 | D | 1.1 | 0.87 | 4.8 | 6.5 | 14 | 12 | 17 | 18 | 12 | 0.46 | 27 | 2.2 | 6 | 0.15 |
| HC-110 | HC-110-S5 | D | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 |
| HC-110 | HC-110-S6 | D | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 |
| EB1 | EB1-2 | E | 0.21 U | ND U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | ND U | ND U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 |
| EB1 | EB1-4.5 | E | 0.076 U | ND U | 0.076 U | 0.076 U | 0.045 | 0.076 U | ND U | ND U | 0.067 | 0.076 U | 0.083 | 0.076 U | 0.076 U | 0.076 |
| EB1 | EB1-11 | E | 0.08 U | ND U | 0.08 U | 0.08 U | 0.08 U | 0.08 U | ND U | ND U | 0.08 U | 0.08 U | 0.08 U | 0.08 U | 0.08 U | 0.08 |
| EB1 | EB1-15.5 | E | 0.087 U | ND U | 0.087 U | 0.087 U | 0.087 U | 0.087 U | ND U | ND U | 0.087 U | 0.087 U | 0.087 U | 0.087 U | 0.087 U | 0.087 |
| EB2 | EB2-2 | E | 0.06 U | ND U | 0.06 U | 0.06 U | 0.06 U | 0.06 U | ND U | ND U | 0.06 U | 0.06 U | 0.06 U | 0.06 U | 0.06 U | 0.06 |
| EB2 | EB2-4.5 | E | 0.085 U | ND U | 0.085 U | 0.085 U | 0.085 U | 0.085 U | ND U | ND U | 0.085 U | 0.085 U | 0.085 U | 0.085 U | 0.085 U | 0.085 |
| EB2 | EB2-7 | E | 0.081 U | ND U | 0.081 U | 0.081 U | 0.081 U | 0.081 U | ND U | ND U | 0.081 U | 0.081 U | 0.081 U | 0.081 U | 0.081 U | 0.081 |
| EB2 | EB2-10 | E | 0.062 U | ND U | 0.062 U | 0.062 U | 0.062 U | 0.062 U | ND U | ND U | 0.062 U | 0.062 U | 0.062 U | 0.062 U | 0.062 U | 0.062 |
| EB2 | EB2-13 | E | 0.071 U | ND U | 0.071 U | 0.071 U | 0.071 U | 0.071 U | ND U | ND U | 0.071 U | 0.071 U | 0.071 U | 0.071 U | 0.071 U | 0.071 |
| EB3 | EB3-2 | E | 0.059 U | ND U | 0.059 U | 0.059 U | 0.059 U | 0.029 | ND U | ND U | 0.059 U | 0.059 U | 0.059 U | 0.059 U | 0.059 U | 0.038 |
| EB3 | EB3-4.5 | E | 9.5 | ND U | 9.5 | 1.3 U | 4.6 | 2 | ND U | ND U | 12 | 1.3 U | 3.5 | 15 | 1.3 U | 77 |
| EB3 | EB3-7 | E | 0.043 | ND U | 0.021 | 0.08 U | 0.08 U | 0.042 U | ND U | ND U | 0.026 | 0.08 U | 0.011 | 0.081 | 0.08 U | 0.6 |
| EB3 | EB3-10 | E | 0.076 U | ND U | 0.076 U | 0.076 U | 0.076 U | 0.076 U | ND U | ND U | 0.076 U | 0.076 U | 0.076 U | 0.076 U | 0.076 U | 0.076 |
| EB3 | EB3-13 | E | 0.072 U | ND U | 0.072 U | 0.072 U | 0.072 U | 0.072 U | ND U | ND U | 0.072 U | 0.072 U | 0.072 U | 0.072 U | 0.072 U | 0.072 |
| EB4 | EB4-2 | E | 0.3 | ND U | 0.64 | 0.087 | 0.62 | 0.76 | ND U | ND U | 1 | 0.1 | 2 | 0.18 | 0.47 | 0.031 |
| EB4 | EB4-5 | E | 0.087 U | ND U | 0.087 U | 0.087 U | 0.087 U | 0.087 U | ND U | ND U | 0.087 U | 0.087 U | 0.087 U | 0.087 U | 0.087 U | 0.087 |
| EB4 | EB4-7.5 | E | 0.078 U | ND U | 0.078 U | 0.078 U | 0.078 U | 0.078 U | ND U | ND U | 0.078 U | 0.078 U | 0.078 U | 0.078 U | 0.078 U | 0.078 |
| EB5 | EB5-2 | E | 0.07 U | ND U | 0.07 U | 0.07 U | 0.07 U | 0.07 U | ND U | ND U | 0.032 | 0.07 U | 0.07 U | 0.07 U | 0.07 U | 0.07 |
| EB5 | EB5-10 | E | 0.076 U | ND U | 0.076 U | 0.076 U | 0.076 U | 0.076 U | ND U | ND U | 0.076 U | 0.076 U | 0.076 U | 0.076 U | 0.076 U | 0.076 |
| EB6 | EB6-1 | E | 0.71 | ND U | 0.37 | 0.61 U | 0.48 | 0.29 | ND U | ND U | 1.1 | 0.61 U | 1.1 | 1.8 | 0.61 U | 1.1 |
| EB6 | EB6-4 | E | 0.14 | ND U | 0.048 | 0.07 U | 0.07 U | 0.029 | ND U | ND U | 0.023 | 0.07 U | 0.031 | 0.37 | 0.07 U | 0.13 |
| EB6 | EB6-6.5 | E | 0.5 | ND U | 0.067 | 0.079 U | 0.079 U | 0.079 U | ND U | ND U | 0.042 | 0.079 U | 0.086 | 1.2 | 0.079 U | 3 |
| EB6 | EB6-9 | E | 0.071 U | ND U | 0.071 U | 0.071 U | 0.071 U | 0.071 U | ND U | ND U | 0.071 U | 0.071 U | 0.071 U | 0.071 U | 0.071 U | 0.043 |
| EB7 | EB7-2 | E | 4.1 | ND U | 0.88 | 0.49 U | 0.17 | 0.49 U | ND U | ND U | 0.68 | 0.49 U | 0.99 | 11 | 0.49 U | 14 |
| EB7 | EB7-4.5 | E | 0.71 | ND U | 0.17 | 0.13 U | 0.13 U | 0.13 U | ND U | ND U | 0.076 | 0.13 U | 0.13 | 2 | 0.13 U | 0.17 |
| EB7 | EB7-10 | E | 0.069 U | ND U | 0.069 U | 0.069 U | 0.069 U | 0.069 U | ND U | ND U | 0.069 U | 0.069 U | 0.069 U | 0.069 U | 0.069 U | 0.069 |
| EB8 | EB8-2 | E | 0.063 U | ND U | 0.063 U | 0.063 U | 0.063 U | 0.063 U | ND U | ND U | 0.063 U | 0.063 U | 0.063 U | 0.063 U | 0.063 U | 0.063 |
| EB8 | EB8-10 | E | 0.081 U | ND U | 0.081 U | 0.081 U | 0.081 U | 0.081 U | ND U | ND U | 0.081 U | 0.081 U | 0.081 U | 0.081 U | 0.081 U | 0.081 |
| EB11 | EB11-2 | E | 0.54 U | ND U | 0.54 U | 0.54 U | 0.54 U | 0.54 U | ND U | ND U | 0.54 U | 0.54 U | 0.54 U | 0.54 U | 0.54 U | 0.91 |
| EB11 | EB11-4.5 | E | 0.56 U | ND U | 0.53 U | 0.53 U | 0.53 U | 0.53 U | ND U | ND U | 0.53 U | 0.53 U | 0.53 U | 1.9 | 0.53 U | 3.9 |
| EB11 | EB11-8.5 | E | 0.18 | ND U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | ND U | ND U | 0.1 U | 0.1 U | 0.1 U | 0.72 | 0.1 U | 1.5 |
| EB13 | EB13-4.5 | E | 1.2 | ND U | 0.8 | 0.22 U | 0.41 | 0.18 | ND U | ND U | 1 | 0.22 U | 0.3 | 8.1 | 3.9 U | 2.7 |
| EB13 | EB13-8.5 | E | 2.3 | ND U | 1.6 | 0.23 U | 0.56 | 0.21 | ND U | ND U | 1.4 | 0.23 U | 0.58 | 8.1 | 0.23 U | 27 |

## Table 2: Concentrations of COCs in Subsurface Soils (mg/kg)

| Station | Sample | Parcel | PAHs | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | acenaphthene | acenaphthylene | anthracene | benzo(g,h,i)perylene | benzo[a]anthracene | benzo[a]pyrene | benzo[b]fluoranthene | benzo[k]fluoranthene | chrysene | dibenz[a,h]anthracene | fluoranthene | fluorene | indeno[1,2,3-cd]pyrene | methylnaphthalene, 2- |
| HC-2 | HC-2/S-2 | F | | | | | | | | | | | | | | |
| FB1 | FB1-2 | F | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | 0.07 U | | 0.07 U | 0.07 U | ND U | ND |
| FB1 | FB1-7 | F | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | 0.077 U | | 0.077 U | 0.077 U | ND U | ND |
| FB1 | FB1-13 | F | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | 0.087 U | | 0.087 U | 0.087 U | ND U | ND |
| FB2 | FB2-2 | F | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | 0.11 | | 0.099 | 0.1 U | ND U | ND |
| FB2 | FB2-5.5 | F | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | 0.072 U | | 0.072 U | 0.072 U | ND U | ND |
| FB2 | FB2-8 | F | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | 0.079 U | | 0.079 U | 0.079 U | ND U | ND |
| FB2 | FB2-18.5 | F | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | 0.071 U | | 0.071 U | 0.071 U | ND U | ND |
| FB3 | FB3-3 | F | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | 0.063 U | | 0.063 U | 0.063 U | ND U | ND |
| FB3 | FB3-3.5 | F | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | 0.081 U | | 0.081 U | 0.081 U | ND U | ND |
| FB3 | FB3-13.5 | F | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | 0.08 U | | 0.08 U | 0.08 U | ND U | ND |
| FB4 | FB4-2 | F | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | 0.06 U | | 0.06 U | 0.06 U | ND U | ND |
| FB4 | FB4-8 | F | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | 0.072 U | | 0.072 U | 0.072 U | ND U | ND |
| FB4 | FB4-11 | F | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | 0.078 U | | 0.078 U | 0.78 U | ND U | ND |
| FB5 | FB5-2 | F | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | 0.071 U | | 0.071 U | 0.071 U | ND U | ND |
| FB5 | FB5-8 | F | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | 0.078 U | | 0.078 U | 0.078 U | ND U | ND |
| FB5 | FB5-11 | F | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | 0.085 U | | 0.085 U | 0.085 U | ND U | ND |
| FSS2 | FSS2 | F | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | 1.8 U | | 1.8 U | 4 | ND U | ND |
| FSS3 | FSS3 | F | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | 1.7 U | | 1.7 U | 1.7 U | ND U | ND |
| SS-1 | SS-1 | F | | | | | | | | | | | | | | |
| SS-2 | SS-2 | F | | | | | | | | | | | | | | |
| SS-3 | SS-3 | F | | | | | | | | | | | | | | |
| SS-4 | SS-4 | F | | | | | | | | | | | | | | |
| SS-5 | SS-5 | F | | | | | | | | | | | | | | |
| Soil screening level (soil-to-groundwater-to-sediment pathway) | | | 1.2 | 1.4 | 24 | 1.6 | 5.4 | 4.2 | 9.0 | 9.0 | 9.2 | 0.66 | 24 | 1.6 | 1.8 | 1.4 |

Notes:
Results from subsurface soil samples that have been excavated are not tablulated
Results from surface soils are not tablulated; potential recontamination from surface soils will be addressed via erosion controls
"U" = chemical not detected at detection limit shown
"B" = report indicated chemical detected in associated blank; presence in sample may be attributed to field/lab contamination
"ND" = chemical not detected; detection limit not available in file data

## Table 2: Concentrations of COCs in Subsurface Soils (mg/kg)

| | | | | | | Phthalates | | | | | | PCBs | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Station | Sample | Parcel | naphthalene | phenanthrene | pyrene | bis(2-ethylhexyl) phthala | butyl benzyl phthalate | di-butyl phthalate | diethyl phthalate | dimethyl phthalate | di-n-octyl phthalate | Aroclor 1016 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 |
| HC-1 | HC-1/S-1 | D | | | | | | | | | | 0.036 U | 0.036 | 5 | 0.073 U |
| HC-4 | HC-4/S-2 | D | | | | | | | | | | 0.037 U | 0.037 U | 0.22 | 0.076 U |
| DB1 | DB1-5 | D U | 0.059 U | 0.073 | 0.14 | 0.99 B | ND U | 0.059 U | ND U | ND U | ND U | 50 U | 50 U | 0.05 U | 0.05 U |
| DB1 | DB1-6.5 | D U | 0.06 U | 0.076 | 0.1 | 1 B | ND U | 0.06 U | ND U | ND U | ND U | 50 U | 50 U | 0.05 U | 0.05 U |
| DB1 | DB1-9.5 | D U | 0.062 U | 0.062 U | 0.062 U | 0.49 B | ND U | 0.062 U | ND U | ND U | ND U | 50 U | 50 U | 0.05 U | 0.05 U |
| DB2 | DB2-3.5 | D U | 0.058 U | 0.043 | 0.046 | 0.34 B | ND U | 0.058 U | ND U | ND U | ND U | 50 U | 50 U | 0.05 U | 0.05 U |
| DB2 | DB2-4.5 | D | 0.22 | 1.3 B | 12 B | 0.76 B | ND U | 0.31 U | ND U | ND U | ND U | 60 U | 60 U | 0.12 U | 0.4 U |
| DB2 | DB2-7 | D | 9 | 6.5 B | 4.8 B | 0.059 U | ND U | 0.059 U | ND U | ND U | ND U | 50 U | 50 U | 0.09 U | 0.13 U |
| DB2 | DB2-9.5 | D | 4.2 | 5.6 | 3.4 | 0.37 B | ND U | 0.075 U | ND U | ND U | ND U | 50 U | 50 U | 0.05 U | 0.05 U |
| DB2 | DB2-12 | D U | 0.073 U | 0.17 | 0.11 | 0.27 B | ND U | 0.073 U | ND U | ND U | ND U | 50 U | 50 U | 0.05 U | 0.05 U |
| DB2 | DB2-18 | D U | 0.098 | 0.17 | 0.11 | 0.45 | ND U | 0.07 U | ND U | ND U | ND U | ND U | ND U | 0.05 U | 0.05 U |
| DB3 | DB3-2 | D U | 0.082 U | 0.082 U | 0.082 U | 0.62 B | ND U | 0.082 U | ND U | ND U | ND U | 0.05 U | 0.05 U | 0.05 U | 0.05 U |
| DB3 | DB3-3.5 | D | 0.68 | 3 B | 24 B | 0.85 B | ND U | 0.37 U | ND U | ND U | ND U | 0.05 U | 0.05 U | 0.4 U | 0.4 U |
| DB3 | DB3-6 | D U | 0.063 U | 0.063 U | 0.063 U | 0.16 B | ND U | 0.063 U | ND U | ND U | ND U | 0.05 U | 0.05 U | 0.05 U | 0.05 U |
| DB3 | DB3-7.5 | D U | 0.073 U | 0.073 U | 0.073 U | 0.51 B | ND U | 0.073 U | ND U | ND U | ND U | 0.05 U | 0.05 U | 0.05 U | 0.05 U |
| DB3 | DB3-9 | D U | 0.086 U | 0.086 U | 0.086 U | 0.38 B | ND U | 0.086 U | ND U | ND U | ND U | 0.05 U | 0.05 U | 0.05 U | 0.05 U |
| DB3 | DB3-13.5 | D | 2.7 | 0.86 | 0.044 | 0.41 B | ND U | 0.066 U | ND U | ND U | ND U | 0.05 U | 0.05 U | 0.05 U | 0.05 U |
| DB3 | DB3-17 | D | 2 | 7.6 | 1.8 | 0.37 B | ND U | 0.078 U | ND U | ND U | ND U | 0.05 U | 0.05 U | 0.05 U | 0.05 U |
| DB4 | DB4-6 | D U | 0.23 B | 16 B | 17 B | 0.35 U | ND U | 0.35 U | ND U | ND U | ND U | 0.05 U | 0.05 U | 0.13 U | 0.1 U |
| DB4 | DB4-8.5 | D U | 0.18 B | 3.5 B | 4.1 B | 0.13 U | ND U | 0.13 U | ND U | ND U | ND U | 0.05 U | 0.05 U | 0.05 U | 0.05 U |
| DB4 | DB4-11 | D U | 0.085 U | 0.085 U | 0.085 U | 0.085 U | ND U | 0.085 U | ND U | ND U | ND U | 0.05 U | 0.05 U | 0.05 U | 0.05 U |
| DB5 | DB5-2 | D | 2.4 | 33 B | 32 B | 0.45 B | ND U | 0.37 U | ND U | ND U | ND U | 0.05 U | 0.05 U | 0.2 U | 0.2 U |
| DB5 | DB5-8 | D U | 0.062 U | 0.062 U | 0.062 U | 0.28 B | ND U | 0.062 U | ND U | ND U | ND U | 0.05 U | 0.05 U | 0.05 U | 0.05 U |
| DB5 | DB5-11 | D U | 0.068 U | 0.092 | 0.053 | 0.11 B | ND U | 0.068 U | ND U | ND U | ND U | 0.05 U | 0.05 U | 0.05 U | 0.05 U |
| DB6 | DB6-2 | D | 7.4 B | 17 B | 14 B | 0.39 B | 0.3 U | 0.3 U | 0.3 U | 0.3 U | 0.3 U | 0.05 U | 0.05 U | 0.32 | 0.17 U |
| DB6 | DB6-4.5 | D | 1,600 B | 1400 B | 470 B | 3.2 B | 0.57 U | 0.57 U | 0.57 U | 0.57 U | 0.57 U | 0.001 U | 0.001 U | 2.5 | 2.5 U |
| DB6 | DB6-7 | D | 130 B | 160 B | 63 B | 0.35 U | 0.35 U | 0.35 U | 0.35 U | 0.35 U | 0.35 U | 0.07 U | 0.07 U | 0.5 U | 0.3 U |
| DB6 | DB6-10 | D | 0.49 | 0.91 | 0.32 | 0.078 U | 0.078 U | 0.078 U | 0.078 U | 0.078 U | 0.078 U | 0.05 U | 0.05 U | 0.05 U | 0.05 U |
| DB6 | DB6-13 | D | 14 | 27 | 8.7 | 0.09 U | 0.009 U | 0.09 U | 0.009 U | 0.009 U | 0.009 U | 0.05 U | 0.05 U | 0.05 U | 0.05 U |
| DB6 | DB6-16 | D | 3.2 | 3.3 | 1.8 | 0.084 U | 0.084 U | 0.084 U | 0.084 U | 0.084 U | 0.084 U | 0.05 U | 0.05 U | 0.05 U | 0.05 U |
| DB6 | DB6-18.5 | D U | 0.14 | 0.59 | 0.27 | 0.093 U | 0.093 U | 0.093 U | 0.093 U | 0.093 U | 0.093 U | 0.05 U | 0.05 U | 0.05 U | 0.05 U |
| DB7 | DB7-6 | D U | 0.06 U | 0.058 | 0.054 | 0.13 B | ND U | 0.08 | ND U | ND U | ND U | 0.05 U | 0.05 U | 0.05 U | 0.05 U |
| DB7 | DB7-8.5 | D | 0.18 | 1.6 B | 1.5 B | 0.49 B | ND U | 0.054 | ND U | ND U | ND U | 0.05 U | 0.05 U | 0.076 | 0.05 U |
| DB7 | DB7-11.5 | D | 1.8 | 4.4 B | 3.2 B | 0.62 B | ND U | 0.14 U | ND U | ND U | ND U | 0.05 U | 0.05 U | 0.21 | 0.14 U |
| DB8 | DB8-5 | D | 0.18 B | 0.5 B | 2.6 B | 0.043 B | ND U | 0.063 U | ND U | ND U | ND U | 0.05 U | 0.05 U | 0.05 U | 0.05 U |
| DB8 | DB8-8 | D U | 0.074 U | 0.074 U | 0.074 U | 0.074 U | ND U | 0.074 U | ND U | ND U | ND U | 0.05 U | 0.05 U | 0.05 U | 0.05 U |
| DB8 | DB8-11 | D U | 0.078 U | 0.078 U | 0.078 U | 0.078 U | ND U | 0.078 U | ND U | ND U | ND U | 0.05 U | 0.05 U | 0.05 U | 0.05 U |
| DB9 | DB9-5 | D | 0.092 | 0.53 | 0.72 | 0.06 | ND U | 0.066 | ND U | ND U | ND U | 0.05 U | 0.05 U | 0.07 | 0.05 U |
| DB9 | DB9-8 | D U | 0.069 U | 0.069 U | 0.069 U | 0.069 U | ND U | 0.069 U | ND U | ND U | ND U | 0.05 U | 0.05 U | 0.05 U | 0.05 U |
| DB9 | DB9-11 | D U | 0.091 U | 0.091 U | 0.091 U | 0.091 U | ND U | 0.091 U | ND U | ND U | ND U | 0.05 U | 0.05 U | 0.05 U | 0.05 U |
| DB10 | DB10-5 | D U | 0.077 | 0.44 | 1.4 | 0.083 U | ND U | 0.083 U | ND U | ND U | ND U | 0.05 U | 0.05 U | 0.05 U | 0.13 |
| DB10 | DB10-8 | D U | 0.08 U | 0.08 U | 0.08 U | 0.08 U | ND U | 0.08 U | ND U | ND U | ND U | 0.05 U | 0.05 U | 0.05 U | 0.05 U |

## Table 2: Concentrations of COCs in Subsurface Soils (mg/kg)

| | | | | | | Phthalates | | | | | | PCBs | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Station | Sample | Parcel | naphthalene | phenanthrene | pyrene | bis(2-ethylhexyl) phthala | butyl benzyl phthalate | di-butyl phthalate | diethyl phthalate | dimethyl phthalate | di-n-octyl phthalate | Aroclor 1016 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 |
| DB10 | DB10-11 | D U | 0.083 U | 0.083 U | 0.083 U | 0.083 U | ND U | 0.083 U | ND U | ND U | ND U | 0.05 U | 0.05 U | 0.05 U | 0.05 U |
| DB11 | DB11-6.5 | D U | 0.032 | 0.073 | 0.12 | 0.79 B | ND U | 0.082 U | ND U | ND U | ND U | 0.05 U | 0.05 U | 0.13 | 0.05 U |
| DB11 | DB11-8 | D | 2,100 | 2200 | 840 B | 2.6 B | ND U | 21 U | ND U | ND U | ND U | 0.5 U | 0.5 U | 0.5 U | 1 U |
| DB11 | DB11-9.5 | D | 450 | 460 B | 250 B | 0.87 B | ND U | 5.1 U | ND U | ND U | ND U | 0.05 U | 0.05 U | 0.1 U | 0.1 U |
| DB12 | DB12-5 | D | 0.11 | 3.5 | 2.2 | 0.089 U | ND U | 0.089 U | ND U | ND U | ND U | 0.1 U | 0.1 U | 0.1 U | 0.11 |
| DB12 | DB12-11.5 | D | 1.5 U | 4.8 | 1.5 U | 1.5 U | ND U | 1.5 U | ND U | ND U | ND U | 0.1 U | 0.1 U | 0.1 U | 2.1 |
| DB13 | DB13-11 | D | 0.13 | 0.19 | 0.12 | 0.076 U | 0.076 U | 0.076 U | 0.076 U | 0.076 U | 0.076 U | 0.05 U | 0.05 U | 0.05 U | 0.05 U |
| DB14 | DB14-9.5 | D U | 0.071 U | 0.071 U | 0.071 U | 0.071 U | ND U | 0.071 U | ND U | ND U | ND U | 0.05 U | 0.05 U | 0.05 U | 0.05 U |
| HC-101 | HC-101-S1 | D U | 0.1 U | 0.1 U | 0.1 U | | | | | | | | | | |
| HC-101 | HC-101-S3 | D U | 0.1 U | 0.1 U | 0.1 U | | | | | | | | | | |
| HC-101 | HC-101-S4 | D U | 0.1 U | 0.1 U | 0.1 U | | | | | | | | | | |
| HC-102 | HC-102-S1 | D U | 0.1 U | 0.1 U | 0.1 U | | | | | | | | | | |
| HC-102 | HC-102-S3 | D U | 0.2 U | 1.1 | 2.9 | | | | | | | | | | |
| HC-102 | HC-102-S4 | D U | 0.1 U | 0.1 U | 0.1 U | | | | | | | | | | |
| HC-103 | HC-103-S3 | D U | 0.1 U | 0.1 U | 0.37 | | | | | | | | | | |
| HC-103 | HC-103-S4 | D | 25 | 88 | 44 | | | | | | | | | | |
| HC-103 | HC-103-S5 | D | 3400 | | | | | | | | | | | | |
| HC-103 | HC-103-S5D | D | 210 | 360 | 86 | | | | | | | | | | |
| HC-103 | HC-103-S6 | D | 5.1 | 4.9 | 1.1 | | | | | | | | | | |
| HC-103 | HC-103-S7 | D | 0.1 | | | | | | | | | | | | |
| HC-104 | HC-104-S2 | D U | 0.3 | 0.44 | 0.5 U | | | | | | | | | | |
| HC-104 | HC-104-S3 | D U | 0.1 U | 0.1 U | 0.1 U | | | | | | | | | | |
| HC-104 | HC-104-S4 | D U | 0.4 U | 0.4 U | 0.4 U | | | | | | | | | | |
| HC-104 | HC-104-S5 | D U | 0.1 U | 0.1 U | 0.1 U | | | | | | | | | | |
| HC-105 | HC-105-S2 | D U | 0.1 U | 0.47 | 0.7 | | | | | | | | | | |
| HC-105 | HC-105-S3 | D U | 0.1 U | 0.1 U | 0.1 U | | | | | | | | | | |
| HC-105 | HC-105-S4 | D U | 0.1 U | 0.1 U | 0.1 U | | | | | | | | | | |
| HC-105 | HC-105-S5 | D U | 0.1 U | 0.1 U | 0.1 U | | | | | | | | | | |
| HC-106 | HC-106-Sl | D U | 0.1 U | 1.7 | 3.2 | | | | | | | | | | |
| HC-106 | HC-106-S2 | D | 20 | 61 | 41 | | | | | | | | | | |
| HC-106 | HC-106-S3 | D U | 0.1 U | 1.2 | 0.95 | | | | | | | | | | |
| HC-106 | HC-106-S4 | D U | 0.1 U | 0.1 U | 0.1 U | | | | | | | | | | |
| HC-106 | HC-106-S5 | D | | | | | | | | | | | | | |
| HC-107 | HC-107-S1 | D U | 0.1 U | 14 | 23 | | | | | | | | | | |
| HC-107 | HC-107-S2 | D U | 0.1 U | 0.1 U | 0.1 U | | | | | | | | | | |
| HC-107 | HC-107-S3 | D U | 0.1 U | 0.1 U | 0.1 U | | | | | | | | | | |
| HC-107 | HC-107-S4 | D U | 0.1 U | 0.1 U | 0.1 U | | | | | | | | | | |
| HC-107 | HC-107-S5 | D U | 0.1 U | 0.1 U | 0.1 U | | | | | | | | | | |
| HC-108 | HC-108-S3 | D U | 0.1 U | 0.054 | 0.1 U | | | | | | | | | | |
| HC-108 | HC-108-53 | D | 0.1 U | | | | | | | | | | | | |
| HC-108 | HC-108-S4 | D U | 0.1 U | 0.1 U | 0.1 U | | | | | | | | | | |
| HC-108 | HC-108-S5 | D U | 0.1 U | 0.1 U | 0.1 U | | | | | | | | | | |

## Table 2: Concentrations of COCs in Subsurface Soils (mg/kg)

| | | | | | | | Phthalates | | | | | | PCBs | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Station | Sample | Parcel | | naphthalene | phenanthrene | pyrene | bis(2-ethylhexyl) phthala | butyl benzyl phthalate | di-butyl phthalate | diethyl phthalate | dimethyl phthalate | di-n-octyl phthalate | Aroclor 1016 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 |
| HC-108 | HC-108-S6 | D | U | 0.1 U | 0.1 U | 0.1 U | | | | | | | | | | |
| HC-109 | HC-109-S2 | D | U | 0.1 U | 0.1 U | 0.1 U | | | | | | | | | | |
| HC-109 | HC-109-S3 | D | U | 0.1 U | 0.1 U | 0.1 U | | | | | | | | | | |
| HC-109 | HC-109-S5 | D | U | 0.1 U | 0.1 U | 0.1 U | | | | | | | | | | |
| HC-110 | HC-110-S1 | D | U | 0.1 U | 0.33 | 0.47 | | | | | | | | | | |
| HC-110 | HC-110-S3 | D | U | 0.1 U | 0.25 | 0.69 | | | | | | | | | | |
| HC-110 | HC-110-S4 | D | | 0.11 | 23 | 34 | | | | | | | | | | |
| HC-110 | HC-110-S5 | D | U | 0.1 U | 0.1 U | 0.1 U | | | | | | | | | | |
| HC-110 | HC-110-S6 | D | U | 0.1 U | 0.1 U | 0.1 U | | | | | | | | | | |
| EB1 | EB1-2 | E | U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB1 | EB1-4.5 | E | U | 0.076 U | 0.067 | 0.11 | 0.076 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB1 | EB1-11 | E | U | 0.08 U | 0.08 U | 0.08 U | 0.08 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB1 | EB1-15.5 | E | U | 0.087 U | 0.087 U | 0.087 U | 0.087 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB2 | EB2-2 | E | U | 0.06 U | 0.06 U | 0.06 U | 0.06 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB2 | EB2-4.5 | E | U | 0.085 U | 0.085 U | 0.085 U | 0.085 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB2 | EB2-7 | E | U | 0.081 U | 0.081 U | 0.081 U | 0.081 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB2 | EB2-10 | E | U | 0.062 U | 0.062 U | 0.062 U | 0.062 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB2 | EB2-13 | E | U | 0.071 U | 0.071 U | 0.071 U | 0.071 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB3 | EB3-2 | E | | 0.021 | 0.059 U | 0.029 | 0.059 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB3 | EB3-4.5 | E | | 36 | 59 | 10 | 1.3 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB3 | EB3-7 | E | | 0.2 | 0.17 | 0.1 | 0.08 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB3 | EB3-10 | E | U | 0.076 U | 0.076 U | 0.076 U | 0.076 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB3 | EB3-13 | E | U | 0.072 U | 0.072 U | 0.072 U | 0.072 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB4 | EB4-2 | E | | 0.066 | 2.4 | 1.6 | 0.068 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB4 | EB4-5 | E | U | 0.087 U | 0.087 U | 0.087 U | 0.087 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB4 | EB4-7.5 | E | U | 0.078 U | 0.078 U | 0.078 U | 0.078 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB5 | EB5-2 | E | U | 0.07 U | 0.07 U | 0.07 U | 0.07 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB5 | EB5-10 | E | U | 0.076 U | 0.076 U | 0.076 U | 0.076 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB6 | EB6-1 | E | | 0.32 | 3.3 | 1.1 | 0.61 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB6 | EB6-4 | E | | 0.043 | 0.75 | 0.04 | 0.022 | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB6 | EB6-6.5 | E | | 1 | 2.6 | 63 | 0.079 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB6 | EB6-9 | E | | 0.071 U | 0.071 U | 0.071 U | 0.071 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB7 | EB7-2 | E | | 1.8 | 23 | 0.75 | 0.49 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB7 | EB7-4.5 | E | | 0.072 | 5.1 | 0.11 | 0.13 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB7 | EB7-10 | E | U | 0.069 U | 0.035 | 0.069 U | 0.069 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB8 | EB8-2 | E | U | 0.063 U | 0.063 U | 0.063 U | 0.063 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB8 | EB8-10 | E | U | 0.081 U | 0.081 U | 0.081 U | 0.081 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB11 | EB11-2 | E | | 0.54 U | 0.54 U | 0.34 | 0.54 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB11 | EB11-4.5 | E | | 0.53 U | 3.5 | 0.58 | 0.53 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB11 | EB11-8.5 | E | | 0.1 U | 1.4 | 1.3 | 0.1 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB13 | EB13-4.5 | E | | 1.2 | 8.2 | 1.4 | 0.57 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| EB13 | EB13-8.5 | E | | 1.9 | 19 | 1.8 | 0.23 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |

## Table 2: Concentrations of COCs in Subsurface Soils (mg/kg)

| | | | | | | Phthalates | | | | | | PCBs | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Station | Sample | Parcel | naphthalene | phenanthrene | pyrene | bis(2-ethylhexyl) phthala | butyl benzyl phthalate | di-butyl phthalate | diethyl phthalate | dimethyl phthalate | di-n-octyl phthalate | Aroclor 1016 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 |
| HC-2 | HC-2/S-2 | F | | | | | | | | | | 0.049 U | 0.049 U | 0.099 U | 0.099 U |
| FB1 | FB1-2 | F U | ND U | 0.07 U | 0.07 U | 0.07 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| FB1 | FB1-7 | F U | ND U | 0.077 U | 0.077 U | 0.077 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| FB1 | FB1-13 | F U | ND U | 0.087 U | 0.087 U | 0.087 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| FB2 | FB2-2 | F U | ND U | 0.075 | 0.075 | 0.1 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| FB2 | FB2-5.5 | F U | ND U | 0.072 U | 0.072 U | 0.072 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| FB2 | FB2-8 | F U | ND U | 0.079 U | 0.079 U | 0.079 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| FB2 | FB2-18.5 | F U | ND U | 0.071 U | 0.071 U | 0.071 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| FB3 | FB3-3 | F U | ND U | 0.063 U | 0.063 U | 0.063 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| FB3 | FB3-3.5 | F U | ND U | 0.081 U | 0.081 U | 0.081 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| FB3 | FB3-13.5 | F U | ND U | 0.08 | 0.08 U | 0.08 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| FB4 | FB4-2 | F U | ND U | 0.06 U | 0.06 | 0.06 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| FB4 | FB4-8 | F U | ND U | 0.072 U | 0.072 U | 0.072 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| FB4 | FB4-11 | F U | ND U | 0.078 U | 0.078 U | 0.15 | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| FB5 | FB5-2 | F U | ND U | 0.071 U | 0.071 U | 0.071 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| FB5 | FB5-8 | F U | ND U | 0.078 U | 0.078 U | 0.078 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| FB5 | FB5-11 | F U | ND U | 0.085 U | 0.085 U | 0.085 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| FSS2 | FSS2 | F U | ND U | 17 | 3 | 1.8 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| FSS3 | FSS3 | F U | ND U | 1.7 U | 1.7 U | 1.7 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U |
| SS-1 | SS-1 | F | | | | | | | | | | 0.049 U | 0.049 U | 0.099 U | 0.099 U |
| SS-2 | SS-2 | F | | | | | | | | | | 0.043 U | 0.043 U | 0.088 U | 0.088 U |
| SS-3 | SS-3 | F | | | | | | | | | | 0.037 U | 0.037 U | 0.075 U | 0.075 U |
| SS-4 | SS-4 | F | | | | | | | | | | 0.039 U | 0.039 U | 0.12 U | 0.079 U |
| SS-5 | SS-5 | F | | | | | | | | | | 0.039 U | 0.89 U | 0.079 U | 0.079 U |
| Soil screening level (soil-to-groundwater-to-sediment pathway) | | | 3.8 | 9.7 | 28.1 | 1.6 | 1.3 | 39 | 5.7 | 1.6 | 90 | 1.3 | 1.3 | 1.3 | 1.3 |

## Table 3: Concentrations of COCs in Groundwater (ug/L)

| Station | Sample | Parcel | PAHs | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | acenaphthene | acenaphthylene | anthracene | benzo(g,h,i)perylene | benzo[a]anthracene | benzo[a]pyrene | benzo[b]fluoranthene | benzo[k]fluoranthene | chrysene | dibenz[a,h]anthracene | fluoranthene | fluorene | indeno[1,2,3-cd]pyrene | methylnaphthalene, 2- |
| HC-MW-1A | HC-MW-1A | D | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 |
| HC-MW-4 | HC-MW-4 | D | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 |
| HC-MW-19 | HC-MW-19 | D | 3.1 | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 |
| HC-MW-20 | HC-MW-20 | D | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 0.7 | 1 U | 1 U | 1 U | 1 U | 1 U | 1 |
| D-MW2 | D-MW2 | D | 24 | 0.8 | 2.9 | 1 U | 1 U | 1 U | 0.9 | 1.1 | 1 U | 1 U | 5.2 | 10 | 1 U | 3.7 |
| D-MW3 | D-MW3 | D | 250 | 8.5 | 16 | 1 U | 0.5 | 1 U | 1 U | 1 U | 0.5 | 1 U | 9.6 | 130 | 1 U | 170 |
| D-MW6 | D-MW6 | D | 7.7 | 1 U | 3.4 | 1 U | 8.6 | 1.6 | 2.4 | 3.2 | 8.8 | 1 U | 11 | 2.7 | 1 U | 1 |
| MW-102 | MW-102 | E | 0.12 | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.78 |
| EMW-1 | EMW-1 | E | 1 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | 1 U | ND U | 1 |
| EMW-2 | EMW-2 | E | 1 U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | 1 U | ND U | 1 |
| EMW-3 | EMW-3 | E | 1.8 | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | 2.6 | ND U | 31 |
| HC-2 | HC-2 | F | 2 U | 2 U | 2 U | 4 U | 2 U | 4 U | 4 U | 4 U | 2 U | 4 U | 2 U | 2 U | 4 U | 2 |
| MW-1 | MW-1 | F | 0.002 U | 0.002 U | 0.002 U | 0.004 U | 0.002 U | 0.004 U | 0.004 U | 0.004 U | 0.002 U | 0.004 U | 0.002 U | 0.002 U | 0.004 U | 0.002 |
| FMW-1 | FMW-1 | F | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND |
| FMW-2 | FMW-2 | F | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND |
| FMW-3 | FMW-3 | F | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND U | ND |
| Groundwater screening level (groundwater-to-sediment pathway) | | | 9.3 | 10.8 | 59 | 0.029 | 0.63 | 0.27 | 0.56 | 0.57 | 1.9 | 0.013 | 17 | 7.0 | 0.033 | 31 |

Notes:
"U" = chemical not detected at detection limit shown
"B" = report indicated chemical detected in associated blank; presence in sample may be attributed to field/lab contamination
ND = chemical not detected; detection limit not available in file data

## Table 3: Concentrations of COCs in Groundwater (ug/L)

| Station | Sample | Parcel | | | | | | | | | | Phthalates | | | | | | | | | | PCBs | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | naphthalene | | phenanthrene | | pyrene | | bis(2-ethylhexyl) phthalate | | butyl benzyl phthalate | | di-butyl phthalate | | diethyl phthalate | | dimethyl phthalate | | di-n-octyl phthalate | | Aroclor 1016 | | Aroclor 1248 | | Aroclor 1254 | | Aroclor 1260 | |
| HC-MW-1A | HC-MW-1A | D | U | 1 | U | 1 | U | 1 | U | 4 | B | 2 | U | 4 | U | 2 | U | 2 | U | 2 | U | 0.5 | U | 0.5 | U | 1 | U | 1 | U |
| HC-MW-4 | HC-MW-4 | D | U | 1 | U | 1 | U | 1 | U | 6 | B | 2 | U | 4 | U | 2 | U | 2 | U | 2 | U | 0.5 | U | 0.5 | U | 1 | U | 1 | U |
| HC-MW-19 | HC-MW-19 | D | U | 1 | U | 1 | U | 1 | U | | | | | | | | | | | | | | | | | | | | |
| HC-MW-20 | HC-MW-20 | D | U | 1 | U | 1 | U | 1 | U | | | | | | | | | | | | | | | | | | | | |
| D-MW2 | D-MW2 | D | | 27 | | 5.1 | | 4.3 | | 12 | B | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U |
| D-MW3 | D-MW3 | D | | 250 | | 130 | | 11 | | 20 | B | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U |
| D-MW6 | D-MW6 | D | U | 1 | U | 1.2 | | 9.9 | | 19 | B | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U |
| MW-102 | MW-102 | E | | 0.41 | | 0.12 | | 0.78 | | | | | | | | | | | | | | | | | | | | | |
| EMW-1 | EMW-1 | E | U | 1 | U | 1 | U | ND | U | 25 | B | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U |
| EMW-2 | EMW-2 | E | U | 1 | U | 1 | U | ND | U | 8.5 | B | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U |
| EMW-3 | EMW-3 | E | | 40 | | 2.6 | | ND | U | 31 | B | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U |
| HC-2 | HC-2 | F | U | 4 | U | 2 | U | 2 | U | 5 | B | 2 | U | 4 | U | 2 | U | 2 | U | 2 | U | 0.5 | U | 0.5 | U | 1 | U | 1 | U |
| MW-1 | MW-1 | F | U | 0.004 | U | 0.002 | U | 0.002 | U | 0.047 | B | 0.002 | U | 0.004 | U | 0.002 | U | 0.002 | U | 0.002 | U | 0.5 | U | 0.5 | U | 1 | U | 1 | U |
| FMW-1 | FMW-1 | F | U | ND | U | ND | U | ND | U | 29 | B | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U |
| FMW-2 | FMW-2 | F | U | ND | U | ND | U | ND | U | 6.7 | B | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U |
| FMW-3 | FMW-3 | F | U | ND | U | ND | U | ND | U | 17 | B | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U | ND | U |
| Groundwater screening level (groundwater-to-sediment pathway) | | | | 92 | | 23 | | 20 | | 0.47 | | 6.8 | | 1164 | | 873 | | 143 | | 23 | | 2.4 | | 1.5 | | 0.86 | | 0.31 | |

# Table 4: Comparison of COCs in Soil to Screening Levels

| | | | PAHs | | | | | | | | | | | | | | | | | Phthalates | | | | | | PCBs | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Station | Sample | Parcel | acenaphthene | acenaphthylene | anthracene | benzo(g,h,i)perylene | benzo[a]anthracene | benzo[a]pyrene | benzo[b]fluoranthene | benzo[k]fluoranthene | chrysene | dibenz[a,h]anthracene | fluoranthene | fluorene | indeno[1,2,3-cd]pyrene | methylnaphthalene, 2- | naphthalene | phenanthrene | pyrene | bis(2-ethylhexyl) phthalate | butyl benzyl phthalate | di-butyl phthalate | diethyl phthalate | dimethyl phthalate | di-n-octyl phthalate | Aroclor 1016 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 |
| HC-1 | HC-1/S-1 | D | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ND | 0 | **4** | ND |
| HC-4 | HC-4/S-2 | D | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ND | ND | 0 | ND |
| DB1 | DB1-5 | D | ND | ND | ND | ND | ND | ND | DL | DL | 0 | ND | 0 | ND | ND | ND | ND | 0 | | 1 B | DL | ND | DL | DL | DL | DL | DL | ND | ND |
| DB1 | DB1-6.5 | D | ND | DL | ND | ND | ND | ND | DL | DL | 0 | ND | | ND | ND | ND | ND | 0 | | 1 B | DL | ND | DL | DL | DL | DL | DL | ND | ND |
| DB1 | DB1-9.5 | D | ND | DL | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 B | DL | ND | DL | DL | DL | DL | DL | ND | ND |
| DB2 | DB2-3.5 | D | ND | DL | | 0 | | 0 | DL | DL | | ND | | ND | 0 | ND | ND | | | 0 B | DL | ND | DL | DL | DL | DL | DL | ND | ND |
| DB2 | DB2-4.5 | D | 0 B | 0 | 0 B | **2** | **1** | **4** | DL | DL | 2 B | **10** | 0 B | ND | **8** | 0 | 0 | 0 B | 0 B | 0 B | DL | ND | DL | DL | DL | DL | DL | ND | ND |
| DB2 | DB2-7 | D | 3 B | 0 | 0 B | 1 | 1 | **1** | DL | DL | 1 B | **3** | 0 B | **2** | **2** | **3** | **2** | 1 B | 0 B | ND | DL | ND | DL | DL | DL | DL | DL | ND | ND |
| DB2 | DB2-9.5 | D | **2** | ND | ND | 0 | 0 | 0 | DL | DL | 0 | ND | 0 | **1** | 0 | 1 | **1** | 1 | 0 | 0 B | DL | ND | DL | DL | DL | DL | DL | ND | ND |
| DB2 | DB2-12 | D | ND | ND | ND | ND | ND | ND | DL | DL | ND | ND | | ND | ND | ND | ND | 0 | | 0 B | DL | ND | DL | DL | DL | DL | DL | ND | ND |
| DB2 | DB2-18 | D | ND | ND | ND | ND | ND | ND | DL | DL | ND | ND | | ND | ND | ND | 0 | 0 | | 0 | DL | ND | DL | DL | DL | DL | DL | ND | ND |
| DB3 | DB3-2 | D | ND | ND | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 B | DL | ND | DL | DL | DL | ND | ND | ND | ND |
| DB3 | DB3-3.5 | D | 0 B | **1** | 0 B | **3** | **4** | **6** | DL | DL | 4 B | **17** | 1 B | 0 | **15** | 0 | 0 | 0 B | 1 B | 1 B | DL | ND | DL | DL | DL | ND | ND | ND | ND |
| DB3 | DB3-6 | D | ND | ND | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 B | DL | ND | DL | DL | DL | ND | ND | ND | ND |
| DB3 | DB3-7.5 | D | ND | ND | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 B | DL | ND | DL | DL | DL | ND | ND | ND | ND |
| DB3 | DB3-9 | D | ND | ND | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 B | DL | ND | DL | DL | DL | ND | ND | ND | ND |
| DB3 | DB3-13.5 | D | **1** | ND | ND | ND | ND | ND | DL | DL | ND | ND | | 0 | ND | 0 | 1 | 0 | | 0 B | DL | ND | DL | DL | DL | ND | ND | ND | ND |
| DB3 | DB3-17 | D | **3** | ND | 0 | ND | ND | ND | DL | DL | ND | ND | 0 | **2** | ND | **1** | 1 | 1 | 0 | 0 B | DL | ND | DL | DL | DL | ND | ND | ND | ND |
| DB4 | DB4-6 | D | 1 B | ND | 0 B | 0 | **2** | **1** | DL | DL | 1 B | **2** | 1 B | 1 B | **1** | ND | 0 B | 2 B | 1 B | ND | DL | ND | DL | DL | DL | ND | ND | ND | ND |
| DB4 | DB4-8.5 | D | 0 B | ND | 0 B | 0 | 0 | 0 | DL | DL | 0 B | 1 | 0 B | 0 B | 0 | ND | 0 B | 0 B | 0 B | ND | DL | ND | DL | DL | DL | ND | ND | ND | ND |
| DB4 | DB4-11 | D | ND | ND | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | DL | ND | DL | DL | DL | ND | ND | ND | ND |
| DB5 | DB5-2 | D | 7 B | ND | 1 B | 0 | **3** | **2** | DL | DL | 2 B | **3** | 1 B | **4** | **2** | 1 | 1 | 3 B | 1 B | 0 B | DL | ND | DL | DL | DL | ND | ND | ND | ND |
| DB5 | DB5-8 | D | ND | ND | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 B | DL | ND | DL | DL | DL | ND | ND | ND | ND |
| DB5 | DB5-11 | D | ND | ND | ND | ND | ND | ND | DL | DL | ND | ND | | ND | ND | ND | ND | 0 | | 0 B | DL | ND | DL | DL | DL | ND | ND | ND | ND |
| DB6 | DB6-2 | D | 4 B | ND | 1 B | 0 | 1 | 1 | 1 | 1 | 1 B | **1** | 1 B | 2 B | 1 | **2** | 2 B | 2 B | 0 B | 0 B | ND | ND | ND | ND | ND | ND | ND | 0 | ND |
| DB6 | DB6-4.5 | D | 484 B | **10** | 38 B | **6** | **22** | **13** | **23** | **23** | 41 B | **35** | 27 B | 261 B | **21** | **385** | 424 B | 144 B | 17 B | 2 B | ND | ND | ND | ND | ND | ND | ND | **2** | DL |
| DB6 | DB6-7 | D | 37 B | 1 | 5 B | **4** | **5** | **3** | **4** | **4** | 4 B | **5** | 2 B | 20 B | **4** | **36** | 34 B | 17 B | 2 B | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| DB6 | DB6-10 | D | 0 | ND | 0 | ND | 0 | ND | ND | ND | 0 | ND | 0 | 0 | ND | 0 | 0 | 0 | 0 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| DB6 | DB6-13 | D | **7** | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | **4** | 0 | **5** | **4** | **3** | 0 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| DB6 | DB6-16 | D | **1** | ND | 0 | ND | 0 | 0 | 0 | 0 | 0 | ND | 0 | 1 | ND | 1 | 1 | 0 | 0 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| DB6 | DB6-18.5 | D | 0 | ND | 0 | ND | 0 | ND | ND | ND | 0 | ND | 0 | 0 | ND | ND | 0 | 0 | 0 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| DB7 | DB7-6 | D | ND | ND | ND | ND | ND | ND | DL | DL | ND | ND | | ND | ND | ND | ND | 0 | | 0 B | DL | | DL | DL | DL | ND | ND | ND | ND |
| DB7 | DB7-8.5 | D | 0 B | 0 B | 0 B | 0 | 0 | 0 | DL | DL | 0 B | 0 | 0 B | 0 | 1 | 0 | 0 | 0 B | 0 B | 0 B | DL | | DL | DL | DL | ND | ND | 0 | ND |
| DB7 | DB7-11.5 | D | 1 B | ND | 0 B | ND | 0 | 0 | DL | DL | 0 B | 0 | 0 B | 1 | 0 | 1 | 0 | 0 B | 0 B | 0 B | DL | ND | DL | DL | DL | ND | ND | 0 | ND |
| DB8 | DB8-5 | D | 0 B | 0 | 0 B | 0 | 0 | 1 | DL | DL | 0 B | **2** | 0 B | 0 B | **2** | 0 | 0 B | 0 B | 0 B | 0 B | DL | ND | DL | DL | DL | ND | ND | ND | ND |
| DB8 | DB8-8 | D | ND | ND | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | DL | ND | DL | DL | DL | ND | ND | ND | ND |
| DB8 | DB8-11 | D | ND | ND | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | DL | ND | DL | DL | DL | ND | ND | ND | ND |
| DB9 | DB9-5 | D | 0 | 0 | 0 | 1 | 0 | 0 | DL | DL | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | DL | | DL | DL | DL | ND | ND | 0 | ND |
| DB9 | DB9-8 | D | ND | ND | ND | ND | ND | ND | DL | DL | ND | ND | | 0 | ND | ND | ND | ND | ND | ND | DL | ND | DL | DL | DL | ND | ND | ND | ND |
| DB9 | DB9-11 | D | ND | ND | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | DL | ND | DL | DL | DL | ND | ND | ND | ND |
| DB10 | DB10-5 | D | 0 | ND | 0 | 0 | 0 | 0 | DL | DL | 0 | 1 | 0 | 0 | 1 | ND | 0 | 0 | 0 | ND | DL | ND | DL | DL | DL | ND | ND | ND | 0 |

# Table 4: Comparison of COCs in Soil to Screening Levels

| Station | Sample | Parcel | PAHs | | | | | | | | | | | | | | | | | Phthalates | | | | | | PCBs | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | acenaphthene | acenaphthylene | anthracene | benzo(g,h,i)perylene | benzo[a]anthracene | benzo[a]pyrene | benzo[b]fluoranthene | benzo[k]fluoranthene | chrysene | dibenz[a,h]anthracene | fluoranthene | fluorene | indeno[1,2,3-cd]pyrene | methylnaphthalene, 2- | naphthalene | phenanthrene | pyrene | bis(2-ethylhexyl) phthalate | butyl benzyl phthalate | di-butyl phthalate | diethyl phthalate | dimethyl phthalate | di-n-octyl phthalate | Aroclor 1016 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 |
| DB10 | DB10-8 | D | ND | ND | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | DL | ND | DL | DL | DL | ND | ND | ND | ND |
| DB10 | DB10-11 | D | ND | ND | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | DL | ND | DL | DL | DL | ND | ND | ND | ND |
| DB11 | DB11-6.5 | D | ND | ND | ND | 0 | 0 | 0 | DL | DL | 0 | 0 | 0 | ND | 0 | ND | 0 | 0 | | 1 B | DL | ND | DL | DL | DL | ND | ND | 0 | ND |
| DB11 | DB11-8 | D | 730 B | **18** | 17 B | **13** | **52** | **33** | DL | DL | 35 B | **70** | 50 B | **392** | **57** | **456** | **557** | **227** | 30 B | 2 B | DL | ND | DL | DL | DL | ND | ND | ND | ND |
| DB11 | DB11-9.5 | D | 161 B | **2** | 4 B | **3** | **16** | **6** | DL | DL | 11 B | **12** | 12 B | **87** | **11** | **85** | **119** | 47 B | 9 B | 1 B | DL | ND | DL | DL | DL | ND | ND | ND | ND |
| DB12 | DB12-5 | D | 0 | ND | 0 | ND | 0 | 0 | DL | DL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ND | DL | ND | DL | DL | DL | ND | ND | ND | 0 |
| DB12 | DB12-11.5 | D | DL | DL | ND | ND | ND | ND | DL | DL | 0 | DL | ND | ND | ND | 1 | ND | 1 | ND | ND | DL | ND | DL | DL | DL | ND | ND | ND | **2** |
| DB13 | DB13-11 | D | 0 | ND | ND | ND | 0 | ND | 0 | 0 | 0 | ND | 0 | 0 | ND | 0 | 0 | 0 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| DB14 | DB14-9.5 | D | ND | ND | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | DL | ND | DL | DL | DL | ND | ND | ND | ND |
| HC-101 | HC-101-S1 | D | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - |
| HC-101 | HC-101-S3 | D | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - |
| HC-101 | HC-101-S4 | D | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - |
| HC-102 | HC-102-S1 | D | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - |
| HC-102 | HC-102-S3 | D | ND | ND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ND | 0 | ND | 0 | ND | ND | 0 | 0 | - | - | - | - | - | - | - | - | - | - |
| HC-102 | HC-102-S4 | D | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - |
| HC-103 | HC-103-S3 | D | ND | ND | | 0 | 0 | 0 | 0 | 0 | 0 | ND | | ND | 0 | ND | ND | ND | 0 | - | - | - | - | - | - | - | - | - | - |
| HC-103 | HC-103-S4 | D | **25** | 0 | **1** | 0 | **2** | 1 | 1 | 1 | **1** | 0 | **2** | **19** | 0 | **14** | **7** | **9** | **2** | - | - | - | - | - | - | - | - | - | - |
| HC-103 | HC-103-S5 | D | - | - | - | - | - | - | - | - | - | - | - | - | - | - | **901** | - | - | - | - | - | - | - | - | - | - | - | - |
| HC-103 | HC-103-S5D | D | **110** | **2** | **15** | **1** | **2** | **2** | **2** | **2** | **3** | 1 | **13** | ND | **1** | **142** | **56** | **37** | **3** | - | - | - | - | - | - | - | - | - | - |
| HC-103 | HC-103-S6 | D | **1** | ND | 0 | ND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | ND | **1** | **1** | 1 | 0 | - | - | - | - | - | - | - | - | - | - |
| HC-103 | HC-103-S7 | D | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | - | - | - | - | - | - | - | - | - | - | - | - |
| HC-104 | HC-104-S2 | D | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 | 0 | ND | - | - | - | - | - | - | - | - | - | - |
| HC-104 | HC-104-S3 | D | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - |
| HC-104 | HC-104-S4 | D | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - |
| HC-104 | HC-104-S5 | D | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - |
| HC-105 | HC-105-S2 | D | 0 | ND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ND | 0 | ND | 0 | ND | ND | 0 | 0 | - | - | - | - | - | - | - | - | - | - |
| HC-105 | HC-105-S3 | D | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - |
| HC-105 | HC-105-S4 | D | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - |
| HC-105 | HC-105-S5 | D | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - |
| HC-106 | HC-106-Sl | D | 0 | ND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | ND | ND | 0 | 0 | - | - | - | - | - | - | - | - | - | - |
| HC-106 | HC-106-S2 | D | **14** | 0 | **1** | **2** | **3** | **2** | **2** | **2** | **2** | **2** | **2** | **9** | **2** | **8** | **5** | **6** | **1** | - | - | - | - | - | - | - | - | - | - |
| HC-106 | HC-106-S3 | D | ND | ND | ND | ND | 0 | ND | ND | ND | 0 | ND | 0 | ND | ND | ND | ND | 0 | 0 | - | - | - | - | - | - | - | - | - | - |
| HC-106 | HC-106-S4 | D | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - |
| HC-106 | HC-106-S5 | D | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HC-107 | HC-107-S1 | D | 1 | ND | 0 | **2** | **3** | **2** | **2** | **2** | **1** | **2** | **1** | 1 | **2** | ND | ND | **1** | 1 | - | - | - | - | - | - | - | - | - | - |
| HC-107 | HC-107-S2 | D | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - |
| HC-107 | HC-107-S3 | D | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - |
| HC-107 | HC-107-S4 | D | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - |
| HC-107 | HC-107-S5 | D | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - |
| HC-108 | HC-108-S3 | D | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 | ND | - | - | - | - | - | - | - | - | - | - |
| HC-108 | HC-108-53 | D | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ND | - | - | - | - | - | - | - | - | - | - | - | - |

# Table 4: Comparison of COCs in Soil to Screening Levels

| | | | PAHs | | | | | | | | | | | | | | | | | Phthalates | | | | | | PCBs | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Station | Sample | Parcel | acenaphthene | acenaphthylene | anthracene | benzo(g,h,i)perylene | benzo[a]anthracene | benzo[a]pyrene | benzo[b]fluoranthene | benzo[k]fluoranthene | chrysene | dibenz[a,h]anthracene | fluoranthene | fluorene | indeno[1,2,3-cd]pyrene | methylnaphthalene, 2- | naphthalene | phenanthrene | pyrene | bis(2-ethylhexyl) phthalate | butyl benzyl phthalate | di-butyl phthalate | diethyl phthalate | dimethyl phthalate | di-n-octyl phthalate | Aroclor 1016 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 |
| HC-108 | HC-108-S4 | D | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - |
| HC-108 | HC-108-S5 | D | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - |
| HC-108 | HC-108-S6 | D | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - |
| HC-109 | HC-109-S2 | D | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 | ND | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - |
| HC-109 | HC-109-S3 | D | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - |
| HC-109 | HC-109-S5 | D | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - |
| HC-110 | HC-110-S1 | D | ND | ND | | 0 | 0 | 0 | 0 | 0 | 0 | ND | 0 | ND | 0 | ND | ND | 0 | 0 | - | - | - | - | - | - | - | - | - | - |
| HC-110 | HC-110-S3 | D | ND | ND | | 0 | 0 | 0 | 0 | 0 | 0 | ND | 0 | ND | 0 | ND | ND | 0 | 0 | - | - | - | - | - | - | - | - | - | - |
| HC-110 | HC-110-S4 | D | 1 | 1 | 0 | **4** | **3** | **3** | **2** | **2** | **1** | 1 | **1** | **1** | **3** | 0 | 0 | **2** | **1** | - | - | - | - | - | - | - | - | - | - |
| HC-110 | HC-110-S5 | D | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - |
| HC-110 | HC-110-S6 | D | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - |
| EB1 | EB1-2 | E | ND | DL | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB1 | EB1-4.5 | E | ND | DL | ND | ND | 0 | ND | DL | DL | 0 | ND | | ND | ND | ND | ND | 0 | | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB1 | EB1-11 | E | ND | DL | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB1 | EB1-15.5 | E | ND | DL | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB2 | EB2-2 | E | ND | DL | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB2 | EB2-4.5 | E | ND | DL | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB2 | EB2-7 | E | ND | DL | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB2 | EB2-10 | E | ND | DL | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB2 | EB2-13 | E | ND | DL | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB3 | EB3-2 | E | ND | DL | ND | ND | ND | 0 | DL | DL | ND | ND | ND | ND | ND | 0 | 0 | ND | | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB3 | EB3-4.5 | E | **8** | DL | 0 | ND | 1 | 0 | DL | DL | **1** | DL | 0 | **9** | ND | **55** | **10** | **6** | 0 | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB3 | EB3-7 | E | 0 | DL | | ND | ND | ND | DL | DL | | ND | | 0 | ND | 0 | 0 | 0 | | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB3 | EB3-10 | E | ND | DL | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB3 | EB3-13 | E | ND | DL | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB4 | EB4-2 | E | 0 | DL | 0 | 0 | 0 | 0 | DL | DL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB4 | EB4-5 | E | ND | DL | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB4 | EB4-7.5 | E | ND | DL | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB5 | EB5-2 | E | ND | DL | ND | ND | ND | ND | DL | DL | | ND | ND | ND | ND | ND | ND | ND | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB5 | EB5-10 | E | ND | DL | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB6 | EB6-1 | E | 1 | DL | 0 | ND | 0 | 0 | DL | DL | 0 | ND | 0 | **1** | ND | 1 | 0 | 0 | 0 | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB6 | EB6-4 | E | 0 | DL | | ND | ND | 0 | DL | DL | | ND | | 0 | ND | 0 | 0 | 0 | | 0 | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB6 | EB6-6.5 | E | 0 | DL | | ND | ND | ND | DL | DL | | ND | | 1 | ND | **2** | 0 | 0 | **2** | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB6 | EB6-9 | E | ND | DL | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | 0 | ND | ND | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB7 | EB7-2 | E | **3** | DL | 0 | ND | 0 | ND | DL | DL | 0 | ND | 0 | **7** | ND | **10** | 0 | **2** | 0 | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB7 | EB7-4.5 | E | 1 | DL | 0 | ND | ND | ND | DL | DL | 0 | ND | 0 | **1** | ND | 0 | 0 | 1 | | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB7 | EB7-10 | E | ND | DL | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | ND | ND | | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB8 | EB8-2 | E | ND | DL | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB8 | EB8-10 | E | ND | DL | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB11 | EB11-2 | E | ND | DL | ND | ND | ND | ND | DL | DL | ND | ND | ND | ND | ND | 1 | ND | ND | 0 | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB11 | EB11-4.5 | E | ND | DL | ND | ND | ND | ND | DL | DL | ND | ND | ND | **1** | ND | **3** | ND | 0 | 0 | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |

## Table 4: Comparison of COCs in Soil to Screening Levels

| | | | PAHs | | | | | | | | | | | | | | | | | Phthalates | | | | | | PCBs | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Station | Sample | Parcel | acenaphthene | acenaphthylene | anthracene | benzo(g,h,i)perylene | benzo[a]anthracene | benzo[a]pyrene | benzo[b]fluoranthene | benzo[k]fluoranthene | chrysene | dibenz[a,h]anthracene | fluoranthene | fluorene | indeno[1,2,3-cd]pyrene | methylnaphthalene, 2- | naphthalene | phenanthrene | pyrene | bis(2-ethylhexyl) phthalate | butyl benzyl phthalate | di-butyl phthalate | diethyl phthalate | dimethyl phthalate | di-n-octyl phthalate | Aroclor 1016 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 |
| EB11 | EB11-8.5 | E | 0 | DL | ND | ND | ND | ND | DL | DL | ND | ND | ND | 0 | ND | **1** | ND | 0 | 0 | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB13 | EB13-4.5 | E | **1** | DL | 0 | ND | 0 | 0 | DL | DL | 0 | ND | 0 | **5** | DL | **2** | 0 | 1 | 0 | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EB13 | EB13-8.5 | E | **2** | DL | 0 | ND | 0 | 0 | DL | DL | 0 | ND | 0 | **5** | ND | **19** | 1 | **2** | 0 | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| HC-2 | HC-2/S-2 | F | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ND | ND | ND | ND |
| FB1 | FB1-2 | F | DL | DL | DL | DL | DL | DL | DL | DL | ND | - | ND | ND | DL | DL | DL | ND | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| FB1 | FB1-7 | F | DL | DL | DL | DL | DL | DL | DL | DL | ND | - | ND | ND | DL | DL | DL | ND | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| FB1 | FB1-13 | F | DL | DL | DL | DL | DL | DL | DL | DL | ND | - | ND | ND | DL | DL | DL | ND | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| FB2 | FB2-2 | F | DL | DL | DL | DL | DL | DL | DL | DL | 0 | - | | ND | DL | DL | DL | 0 | | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| FB2 | FB2-5.5 | F | DL | DL | DL | DL | DL | DL | DL | DL | ND | - | ND | ND | DL | DL | DL | ND | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| FB2 | FB2-8 | F | DL | DL | DL | DL | DL | DL | DL | DL | ND | - | ND | ND | DL | DL | DL | ND | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| FB2 | FB2-18.5 | F | DL | DL | DL | DL | DL | DL | DL | DL | ND | - | ND | ND | DL | DL | DL | ND | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| FB3 | FB3-3 | F | DL | DL | DL | DL | DL | DL | DL | DL | ND | - | ND | ND | DL | DL | DL | ND | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| FB3 | FB3-3.5 | F | DL | DL | DL | DL | DL | DL | DL | DL | ND | - | ND | ND | DL | DL | DL | ND | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| FB3 | FB3-13.5 | F | DL | DL | DL | DL | DL | DL | DL | DL | ND | - | ND | ND | DL | DL | DL | 0 | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| FB4 | FB4-2 | F | DL | DL | DL | DL | DL | DL | DL | DL | ND | - | ND | ND | DL | DL | DL | ND | | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| FB4 | FB4-8 | F | DL | DL | DL | DL | DL | DL | DL | DL | ND | - | ND | ND | DL | DL | DL | ND | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| FB4 | FB4-11 | F | DL | DL | DL | DL | DL | DL | DL | DL | ND | - | ND | ND | DL | DL | DL | ND | ND | 0 | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| FB5 | FB5-2 | F | DL | DL | DL | DL | DL | DL | DL | DL | ND | - | ND | ND | DL | DL | DL | ND | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| FB5 | FB5-8 | F | DL | DL | DL | DL | DL | DL | DL | DL | ND | - | ND | ND | DL | DL | DL | ND | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| FB5 | FB5-11 | F | DL | DL | DL | DL | DL | DL | DL | DL | ND | - | ND | ND | DL | DL | DL | ND | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| FSS2 | FSS2 | F | DL | DL | DL | DL | DL | DL | DL | DL | ND | - | ND | **2** | DL | DL | DL | **2** | 0 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| FSS3 | FSS3 | F | DL | DL | DL | DL | DL | DL | DL | DL | ND | - | ND | DL | DL | DL | DL | ND | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| SS-1 | SS-1 | F | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ND | ND | ND | ND |
| SS-2 | SS-2 | F | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ND | ND | ND | ND |
| SS-3 | SS-3 | F | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ND | ND | ND | ND |
| SS-4 | SS-4 | F | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ND | ND | ND | ND |
| SS-5 | SS-5 | F | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ND | ND | ND | ND |

Notes:
Values in table indicate factor by which chemical concentration exceeds its corresponding screening level.
Values >1 are highlighted.
B = report indicated chemical detected in associated blank; presence in sample may be attributed to field/lab contamination
ND = chemical not detected; detection limit less than screening level
DL = chemical not detected; detection limit exceeds screening level or detection limit unknown

## Table 5: Comparison of COCs in Groundwater to Screening Levels

| | | | PAHs | | | | | | | | | | | | | | | | | Phthalates | | | | | | PCBs | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Station | Sample | Parcel | acenaphthene | acenaphthylene | anthracene | benzo(g,h,i)perylene | benzo[a]anthracene | benzo[a]pyrene | benzo[b]fluoranthene | benzo[k]fluoranthene | chrysene | dibenz[a,h]anthracene | fluoranthene | fluorene | indeno[1,2,3-cd]pyrene | methylnaphthalene, 2- | naphthalene | phenanthrene | pyrene | bis(2-ethylhexyl) phthalate | butyl benzyl phthalate | di-butyl phthalate | diethyl phthalate | dimethyl phthalate | di-n-octyl phthalate | Aroclor 1016 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 |
| HC-MW-1A | HC-MW-1A | D | ND | ND | ND | DL | DL | DL | DL | DL | ND | DL | ND | ND | DL | ND | ND | ND | ND | 8 B | ND | ND | ND | ND | ND | ND | ND | DL | DL |
| HC-MW-4 | HC-MW-4 | D | ND | ND | ND | DL | DL | DL | DL | DL | ND | DL | ND | ND | DL | ND | ND | ND | ND | 13 B | ND | ND | ND | ND | ND | ND | ND | DL | DL |
| HC-MW-19 | HC-MW-19 | D | 0 | ND | ND | DL | DL | DL | DL | DL | ND | DL | ND | ND | DL | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - |
| HC-MW-20 | HC-MW-20 | D | ND | ND | ND | DL | DL | DL | DL | **1** | ND | DL | ND | ND | DL | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - |
| D-MW2 | D-MW2 | D | **3** | 0 | 0 | DL | DL | DL | **2** | **2** | ND | DL | 0 | **1** | DL | 0 | 0 | 0 | 0 | 25 B | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| D-MW3 | D-MW3 | D | **27** | 1 | 0 | DL | 1 | DL | DL | DL | 0 | DL | 1 | **19** | DL | **6** | **3** | **6** | 1 | 42 B | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| D-MW6 | D-MW6 | D | 1 | ND | 0 | DL | **14** | **6** | **4** | **6** | **5** | DL | 1 | 0 | DL | ND | ND | 0 | 0 | 40 B | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| MW-102 | MW-102 | E | 0 | ND | ND | DL | ND | ND | ND | ND | ND | DL | ND | ND | DL | 0 | | 0 | 0 | - | - | - | - | - | - | - | - | - | - |
| EMW-1 | EMW-1 | E | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | ND | DL | ND | ND | ND | DL | 53 B | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EMW-2 | EMW-2 | E | ND | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | ND | DL | ND | ND | ND | DL | 18 B | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| EMW-3 | EMW-3 | E | 0 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | DL | **1** | 0 | 0 | DL | 66 B | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| HC-2 | HC-2 | F | ND | ND | ND | DL | DL | DL | DL | DL | DL | DL | ND | ND | DL | ND | ND | ND | ND | 11 B | ND | ND | ND | ND | ND | ND | ND | DL | DL |
| MW-1 | MW-1 | F | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 B | ND | ND | ND | ND | ND | ND | ND | DL | DL |
| FMW-1 | FMW-1 | F | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 61 B | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| FMW-2 | FMW-2 | F | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 14 B | DL | DL | DL | DL | DL | DL | DL | DL | DL |
| FMW-3 | FMW-3 | F | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 36 B | DL | DL | DL | DL | DL | DL | DL | DL | DL |

Notes:
Values in table indicate factor by which chemical concentration exceeds its corresponding screening level. Values >1 are highlighted.
"B" = report indicated chemical detected in associated blank; presence in sample may be attributed to field/lab contamination
"ND" = chemical not detected; detection limit less than screening level
"DL" = chemical not detected; detection limit exceeds screening level or detection limit unknown
In cases of multiple sampling rounds/analyses, the highest detected and lowest non-detect values are shown