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Exponent

Draft

Remedial Investigation and Focused Feasibility Study for the Quendall Terminals Property

Prepared for

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Acronyms and Abbreviations

AET	apparent effects threshold
ARAR	applicable or relevant and appropriate requirement
AWQC	ambient water quality criteria
CAP	Cleanup Action Plan
City	City of Renton
CoC	constituent of concern
cPAH	carcinogenic PAH
CSL	cleanup screening level
DMMP	Dredged Materials Management Program
DNAPL	dense, nonaqueous-phase liquid
DNR	Washington State Department of Natural Resources
Ecology	Washington State Department of Ecology
EEC	extreme effects concentration
EIS	environmental impact statement
EPA	U.S. Environmental Protection Agency
GAC	granular activated carbon
HPAH	high molecular weight PAH
LAET	lowest AET
LPAH	low molecular weight PAH
MEC	median effects concentration
MTCA	Model Toxics Control Act
NAPL	nonaqueous-phase liquid
PAET	probable AET
PAH	polycyclic aromatic hydrocarbon
PCP	pentachlorophenol
PPA	Prospective Purchaser Agreement
PQL	practical quantification limit
RAO	remedial action objective
RCRA	Resource Conservation and Recovery Act
RETEC	Remediation Technologies, Inc.
RI/FFS	remedial investigation and focused feasibility study
RPD	redox potential discontinuity
SEPA	State Environmental Policy Act
SMS	Sediment Management Standards
SQS	sediment quality standards
SVE	soil vapor extraction
TEC	threshold effects concentration
WCC	Woodward-Clyde Consultants, Inc.

Executive Summary

This document presents the Remedial Investigation and Focused Feasibility Study (RI/FFS) for the Quendall Terminals property, a 23-acre parcel located on the eastern shore of Lake Washington in Renton, Washington. The property has had various industrial uses since the early 1900s and has been the subject of an extensive series of environmental investigations starting in 1971. These investigations have indicated that the property is heavily contaminated from coal tar refining activities that occurred there between 1917 and 1969. The contaminated areas include onsite soil and groundwater, areas of dense nonaqueous-phase liquid (DNAPL), and the Lake Washington shoreline and sediments. Primary contaminants found at the site are PAHs, benzene, DNAPL, and wood waste. The Washington State Department of Ecology (Ecology) has assigned the site a hazard ranking of 1.

Since the early 1970s, various parties have attempted to purchase, clean up, and redevelop the Quendall Terminals property; however, each of these efforts has proved unsuccessful because of the extensive contamination at the site, difficulties in addressing the environmental liabilities posed by the site, and the extensive infrastructure and geotechnical improvements required for site redevelopment. In light of certain unique opportunities offered by the location, size, and nature of the site, the City of Renton (City) recognized that the Quendall Terminals property could become an important and valuable asset to the citizens and a major revenue source to the City if cleaned up and redeveloped. As a result, the City has continued to work to develop an effective plan to restore the Quendall Terminals property to beneficial use for the community.

First, the Quendall Terminals property serves as a cornerstone for redevelopment of a much larger area that could include three other adjacent parcels offering redevelopment opportunities (i.e., the J.H. Baxter and Company property located to the north, the Barbee Mills property located to the south, and the Pan Abode property located to the southeast). In addition, the Quendall Terminals property and adjacent properties include unique

shoreline and nearshore habitat that contrasts sharply with the otherwise heavily developed nature of Lake Washington. This relatively undeveloped shoreline offers opportunities for enhancing natural habitat and permanent public shoreline access.

To take advantage of these opportunities, the City intends to enter into the Prospective Purchaser Agreement (PPA) process with Ecology to facilitate the remediation and redevelopment of the Quendall Terminals property. Under the proposed plan, the City would purchase the site from the current owners and remediate the site using funding from city, state, federal, and private sources. If the City is successful in managing the environmental risk at Quendall Terminals, future plans include providing permanent shoreline access through a waterfront park and selling the remaining upland portions of Quendall Terminals to a private developer for a mixed-use development.

The successful cleanup and redevelopment of the Quendall Terminals property will provide benefits to the citizens of the State of Washington and the City. These benefits include management of environmental risk at a site situated on a shoreline of statewide significance that has a hazard ranking of 1 on Ecology's Hazardous Sites List; creation of approximately 0.25 mile of permanent shoreline access for the public, with additional adjoining shoreline access possible at the adjacent sites; shoreline and lake-bottom habitat restoration that will benefit salmonids and other wildlife (including endangered species); and both direct and indirect economic benefits to the City and State.

This RI/FFS provides necessary documentation to support the PPA. It summarizes existing information regarding site uses, characteristics, and conditions as derived from the extensive previous site investigations. It also reviews the potential human health and environmental risks posed by the site, the qualitative and numerical remedial action objectives used to determine site cleanup requirements, and the remedial technologies identified to implement the cleanup goals.

Based on the information compiled and analyzed in the RI/FFS, the following remedial actions were selected to address contamination at the site:

- To address contaminants in soil, the entire surface of the site will be covered by a 3-ft-thick clean soil cap or pavement, buildings, or other structures placed on the soil surface that would similarly prevent exposure to residual contaminants in soil. DNAPL-affected soil will also be excavated from selected areas of the site. This soil will be treated and returned to the excavations.

- To address contaminants in groundwater, two DNAPL recovery trenches will be installed and used to collect DNAPL for treatment if the need for such trenches is indicated based on observations made during soil excavation. Institutional controls will also be established to prevent direct use of groundwater. Biosparging has also been selected as a contingent remedy if needed to achieve remedial action objectives for groundwater.

- To address contaminants in sediments, the sediments and nearshore soil from several areas will be dredged and treated. These excavated areas will be backfilled with treated or clean materials. These areas include the vicinity of the T-dock where sediments are affected by PAH compounds and the nearshore area affected by a DNAPL seep. In addition, sediments containing more than 50 percent wood waste will be dredged. Because this action will restore the lake bottom to its approximate original contours, these areas will not be backfilled. Certain other sediments containing less than 50 percent wood waste may be covered with a cap of 1-ft maximum thickness, consisting of imported clean fill and/or treated sediments and soils. The extent of this cap will be determined based on toxicity testing that is currently scheduled for summer 2000.

Requirements for compliance sampling and ongoing monitoring and maintenance activities are also specified in the preferred remedial alternative described here.

1. Introduction

1.1 Site History

The 23-acre Quendall Terminals property is located on the southeastern shore of Lake Washington in Renton, Washington, as shown in Figure 2-1. The site is heavily contaminated from the coal tar refining that occurred there from 1917 to 1969. The contaminated areas include onsite soils, onsite groundwater, areas of dense nonaqueous-phase liquid (DNAPL), the Lake Washington shoreline, and Lake Washington sediments. Contaminants found onsite primarily consist of polycyclic aromatic hydrocarbons (PAH) compounds, benzene, DNAPL, and wood waste, and the site has a Washington State Department of Ecology (Ecology) hazard ranking of 1. The site is currently being used as a log sorting yard by a local lumber company.

1.2 Project Background

Since the early 1970s, various parties have attempted to purchase, clean up, and redevelop the Quendall Terminals property; however, each of these efforts has proved unsuccessful for at least the following three reasons:

- The extensive contamination at the site,
- An inability of the parties to reach agreement given the undefined liabilities posed by environmental remediation, and
- The need for extensive transportation infrastructure and geotechnical improvements in connection with redevelopment.

In light of certain unique opportunities offered by the location, size, and nature of the site, the City of Renton (City) recognized that the Quendall Terminals property could become an important and valuable asset to the citizens and a major revenue source to the City if cleaned up and redeveloped. As a result, the City has continued to work to develop an effective plan to restore the Quendall Terminals property to beneficial use for the community.

First, the Quendall Terminals property is located at the center of three other adjacent parcels offering redevelopment opportunities (i.e., the J.H. Baxter and Company property located to the north, the Barbee Mills property located to the south, and the Pan Abode property located to the southeast). Thus, the Quendall Terminals property serves as a cornerstone for redevelopment of a much larger area. In addition, the Quendall Terminals property and adjacent properties include unique shoreline and nearshore habitat that contrast sharply with the otherwise heavily developed nature of Lake Washington. This relatively undeveloped shoreline offers opportunities for enhancing natural habitat and permanent public shoreline access.

To take advantage of these opportunities, the City intends to enter into the Prospective Purchaser Agreement (PPA) process with Ecology to facilitate the remediation and redevelopment of the Quendall Terminals property. Under the proposed plan, the City would purchase the site from the current owners and remediate the site using funding from city, state, federal, and private sources. If the City is successful in managing the environmental risk at Quendall Terminals, future plans include providing permanent shoreline access through a waterfront park along the entire adjacent shoreline area and selling the remaining upland portions of Quendall Terminals to a private developer for a mixed-use development.

The successful cleanup and redevelopment of the Quendall Terminals property will provide benefits to the citizens of the State of Washington and the City. Foremost, the cleanup would yield management of environmental risk at a site that has a hazard ranking of 1 on Ecology's Hazardous Sites List and is situated on a shoreline of statewide significance. Second, the cleanup and redevelopment would lead to the creation of approximately 0.25 miles of permanent shoreline access for the public, with additional adjoining shoreline access possible at the adjacent sites. This access would yield benefits to the region for the indefinite future. In addition, shoreline and lake-bottom habitat restoration will benefit salmonids and other wildlife and will contribute to the recovery of endangered species.

The economic benefits to the City and State governments include additional revenue from property taxes on any improvements, sales tax revenue from retail sales and hotels, and transportation taxes based on the number of full-time workers. In addition to the direct tax benefits, creation of a mixed-use development will provide economic benefit to the citizens through increased employment opportunities, increased business to local restaurants and shops, and increased property value of local residences resulting from improvements in the area.

The City has entered into a purchase and sale agreement with the current owners of Quendall Terminals. The agreement calls for the Quendall Terminals purchase to close

after completion of a PPA between the City and Ecology. After the property is purchased, the City will perform the cleanup and will comply with the Washington State Model Toxics Control Act (MTCA) by performing the actions described in the attachments to the PPA, which will include the Cleanup Action Plan (CAP) derived based on information presented in this Remedial Investigation and Focused Feasibility Study (RI/FFS).

1.3 Documentation Process

This RI/FFS was prepared by Exponent on behalf of the City in support of the PPA. There has been extensive interaction with the resource agencies, including Ecology, U.S. Environmental Protection Agency (EPA), Department of Natural Resources (DNR), and the U.S. Army Corps of Engineers, during preparation of this document. This submittal to Ecology and the other agencies addresses several required elements for the initial and detailed PPA submittals pursuant to Ecology's *Prospective Purchaser Agreement Interim Policy.*

The remedial investigation portion of this report summarizes existing information on the site. This information was submitted to Ecology previously, and details of the previous investigations can be found in those original documents. The FFS portion of this document includes a human health and environmental hazard evaluation, development of remedial action objectives (RAOs) based on the hazard evaluation, determination of numerical levels to define cleanup requirements, and remediation technology identification and screening. This document addresses the requirements of WAC 173-340-350 for the preparation of remedial investigations and feasibility studies.

The CAP for the Quendall Terminals property (Exponent 1999) is being submitted with the RI/FFS. The CAP addresses the requirements of WAC 173-340-400 and includes a summary of site conditions, cleanup levels, and selected cleanup actions, as well as the basis for the selected alternative. The CAP will be included as a legally binding attachment to the PPA.

Any work or work product addressed in this document or cross-referenced herein and performed or to be performed by the City in the identified Quendall Terminals area has been or will be undertaken only for the purpose of determining the feasibility of the redevelopment project. This analysis is only applicable for the developments currently under consideration.

The City is submitting this document with the understanding that no independent liabilities shall be assumed by the City under MTCA or any comparable federal or state environmental laws should the City elect not to complete the Quendall Terminals property purchase. The current owners of the Quendall Terminals property have authorized this submittal without being committed to, or bound by, the content of this RI/FFS.

2. Remedial Investigation

2.1 Introduction

This section presents the remedial investigation for the Quendall Terminals site. This remedial investigation complies with WAC 173-340-360, and is divided into the following subsections: Section 2.2, *Site Background and History*, which discusses the site use history and summarizes previous investigations of the site; Section 2.3, *Site Physical Setting*, which discusses the topography, geology, and hydrology of the site; Section 2.4, *Nature and Extent of Contamination*, which describes the nature and extent of contamination at the site, and is organized by environmental medium.

2.2 Site Background and History

The Quendall Terminals property is an approximately 23-acre parcel on the eastern shore of Lake Washington, west of Interstate Highway 405, at 4503 Lake Washington Boulevard in Renton, Washington (Figure 2-1). The site is relatively flat and occupies the middle of a roughly 70-acre alluvial plain that borders approximately 4,000 ft of Lake Washington shoreline. The property to the south is occupied by the Barbee Mill, while the property to the north is owned by J.H. Baxter and Company (Figure 2-2).

2.2.1 Site Use History

The Quendall Terminals property began as a homestead patented to Jeremiah Sullivan in 1873. It was conveyed to James Colman in 1875 and then to Peter Reilly by deed in 1916. Prior to the lowering of Lake Washington in 1916 to build the Lake Washington Ship Canal, the site consisted of a headland and the swampy May Creek delta (RETEC 1996a).

The site has historically been used for industrial purposes. When the lake was lowered approximately 8 ft, the May Creek delta was exposed and the land area of the waterfront parcel increased. In 1917, the Reilly family established the Republic Creosoting Company, which became Reilly Tar and Chemical Corporation in 1956. Creosote was manufactured onsite until 1969 (RETEC 1996a).

The original bed of May Creek ran east-west across the Quendall Terminals property. Between 1920 and 1936, the original channel was partially filled, and the creek was rerouted to a location roughly at the midpoint of the Barbee Mill property. Between 1936 and 1956, the creek was moved farther to the south a number of times.

2.2.1.1 Coal Tar Refining Activities

The creosote manufacturing facility refined and processed coal tar and oil-gas tar residues. The tars consisted of PAH compounds, phenolic compounds, light aromatic compounds (including benzene, toluene, and xylenes), and other organic compounds. The tar was purchased from the Seattle Gas Company on Lake Union, and was shipped or barged to the site and pumped through transfer lines that ran along a former wharf and pipe trestle. The docks included the southern pier dock and the longer T-dock, which were used for offloading tankers and barges (RETEC 1996a). From the docks, the transfer lines ran to two 2-million-gallon storage tanks (tanks 23 and 26) located in the west central tank farm area, as shown on Figure 2-3. The tanks contained heating elements to keep the liquid warm, thus allowing it to be transferred to the still house, where the tars were refined to produce creosote and distillates (Hart Crowser 1997). Tar distillates were further refined to produce naphthalenes, xylenes, benzene, toluene mix, and other organic products. The products were then stored in onsite tanks until shipment (Roberts 1981).

Tanks 1 through 5, located just south of the still, were installed in 1916 to store creosote-related products. The two largest storage tanks, tanks 23 and 26, were installed in 1928 primarily to store the raw coal tar materials. Tanks 35, 36, 37, and 38 were constructed in 1956 and are located in the west-central area of the site. These tanks were also used to store creosote-related products.

Historical facility features were identified to locate areas of potential environmental impact caused by creosote operations. Potential onsite sources of soil and groundwater contamination are listed below; these locations, with the exception of the "Saturday coke" disposal area, are shown on Figure 2-3 (RETEC 1996a).

- The still house
- The underground pipes in the still house

- Onsite disposal areas for waste pitches and "Saturday coke"
- The ends of the docks, where spills occurred, including a release in 1937 in which approximately 30,000–40,000 gallons of tar spilled into the lake off the end of the T-dock
- The flush box and sanitary sewer outfall
- Pitch bays (40 ft × 150 ft × 4 ft) constructed with concrete bottoms and wooden sides, used for cooling of pitches
- The old bed of May Creek, where tank cleaning residues were dumped
- Former sumps that received effluent from cooling lines and were sometimes contaminated with creosotes and tars
- Tanks 23, 26, 35, 36, 37, and 38, where bunker crude oil and other petroleum products were stored.

Lease records for the Quendall Terminals property indicate that from 1946 to 1951, DNR-owned aquatic lands in front of the property were subleased to Kennydale Shipyards. An aerial photograph from this period shows approximately 50 barges stored in this area. This area has been used for log rafting operations since 1936.

2.2.1.2 Subsequent Site Uses

The site was used intermittently as a crude oil, waste oil, and diesel storage facility from 1969 until 1978. Tanks 35, 36, 37, and 38 were used regularly for this purpose during this period; Tanks 23 and 26 were used only once to store these products (Figure 2-3; Hart Crowser 1997). After 1983, the site was graded and raised with approximately 3 ft of fill material, including a soil and wood mixture (RETEC 1997a). Since 1977, the site has been used as a log sorting and storage yard, for firewood cutting, and for storage of in-water construction equipment. After 1977, no chemicals or petroleum products, other

than what is used for operation of heavy equipment, are know to have been stored onsite. All structures associated with the refinery operations, except for the office building, have been removed from the property. Wood chips and bark are scattered across the property as a result of the logging operations (Hart Crowser 1997).

2.2.1.3 Adjacent and Surrounding Properties

J.H. Baxter—The J.H. Baxter property lies to the north of the Quendall Terminals property (Figure 2-2). The property was residential until 1955, when J.H. Baxter and Company constructed a wood treatment facility on the southern end of the property. The wood treatment facility operated on the site from 1955 to 1981. Pentachlorophenol (PCP) and creosote were used to treat poles, pilings, and railroad ties. A map of then-existing conditions at the Quendall Terminals property, drawn by J. Carson Bowler Architects in February 1972, shows a pipeline connecting the Reilly Tar and Chemical tank farm with the storage tanks located on the J.H. Baxter site. J.H. Baxter's 1970 and 1971 waste discharge permit documents indicate that creosote was purchased from Reilly Tar and Chemical. This suggests that the pipeline was used to transfer creosote or oils to the J.H. Baxter property for use in wood treating operations there. Since 1981, the J.H. Baxter property has been largely inactive, except for the storage of large piles of landscaping bark on the northern section of the property (RETEC 1996a, 1997a).

Barbee Mill—The Barbee Mill is located to the south of the Quendall Terminals (Figure 2-2), and has been used for timber and lumber activity since the turn of the century. In the early 1900s, a logging railway terminated at the property, where logs were transferred from railcars to barges.

From 1943 to 1946, a shipyard called Barbee Marine Yards built wooden boats on the property. At this time, a lumber mill was established onsite to service the shipyard.

After World War II, shipbuilding activity ceased, and the lumber mill became the primary land use (RETEC 1997a). Historical activities at the Barbee Mill have resulted in potential arsenic impacts on the southwest corner of the Quendall Terminals property. The arsenic issues are being addressed by the owners of the mill property. For more information on these issues, please contact the Ecology Project Manager, Brian Sato, at (425) 649-7265.

Pan Abode—The Pan Abode property is located southeast of the Quendall Terminals property and was owned by Reilly Tar and Chemical until 1957 (Figure 2-2). The property was purchased by Pan Abode Cedar Homes Inc., in 1957 for use in manufacturing prefabricated cedar homes. Prior to this time, the property was undeveloped and there is no indication that Reilly Tar and Chemical used it in the tar refining process. Cedar homes are manufactured at the facility, and areas of the property are used for storing large boats and motor homes.

2.2.2 Summary of Previous Investigations

Environmental and/or geotechnical studies have been performed on the Quendall Terminals property since 1971, when Quendall Terminals purchased the site from Reilly Tar and Chemical. Monitoring wells, boreholes, test pits, temporary well points, and nonaqueous-phase liquid (NAPL) recovery trenches have been installed onsite and offsite. A brief summary of the previous investigations based on the descriptions provided by Remediation Technologies, Inc. (RETEC) and Hart Crowser (RETEC 1996a,b, 1997a,b,c; Hart Crowser 1997) is presented below. A chronological list of previous investigations is presented in Table 2-1. Onsite locations of all available soil samples, borings, groundwater samples, and sediment samples are shown in Figure 2-4. All available data from the previous investigations were compiled by RETEC (1998) and are presented in Appendices A, B, and C. All data were taken from previously prepared

reports, and no independent quality assurance review or correction for significant figures was conducted.

2.2.2.1 Twelker and Associates, Inc.

Between 1971 and 1977, Twelker and Associates, Inc., conducted site investigations in support of site development. These studies were mainly geotechnical and included 15 onsite soil borings (B-1 through B-15) and 17 offshore borings (logs A through O) (Twelker 1971, as cited by Hart Crowser 1997). The data from 1971–1973 and the boring logs were not available for inclusion in this report.

2.2.2.2 Shannon and Wilson, Inc.

In 1975, Shannon and Wilson, Inc., conducted a soils investigation that included borings along May Creek and near Barbee Mill and Pan Abode (RETEC 1996a, 1997b). Data from this investigation were not available for inclusion in this report.

2.2.2.3 CH2M Hill, Inc.

Beginning in 1974, CH2M Hill conducted investigations on the site related to geotechnical characterization (CH2M Hill 1978) and environmental impact assessment for a master planned development (CH2M Hill 1981). Lake current and water quality studies (CH2M Hill 1977, 1979, as cited by Hart Crowser 1997) were included in the environmental impact assessment. Data from the CH2M Hill studies were not available for inclusion in this report.

2.2.2.4 U.S. Environmental Protection Agency

In 1983, the EPA inspected the site, focusing on sediment contamination. The inspection included visual observations made by a self-contained underwater breathing apparatus survey and sediment sampling for chemistry. Aquatic plants, fish, and invertebrates were surveyed. Evidence of free product in the sediments was noted, and sediment cores were taken and analyzed for PAH contamination (U.S. EPA 1983, as cited by RETEC 1996a). Analytical results of the EPA inspection are included in Appendix C.

2.2.2.5 Woodward-Clyde Consultants, Inc.

Woodward-Clyde Consultants, Inc. (WCC), performed a soil and groundwater contamination investigation in 1983 (WCC 1983, as cited by Hart Crowser 1997). The consultants performed the following work:

- Drilled 18 soil borings to depths between 10 and 20 ft below ground surface
- Installed 4 trenches, measuring 250 ft long × 8 ft wide
- Installed 12 monitoring wells (BH-1 through BH-12)
- Collected 134 soil samples, which were screened for the presence of PAH using an absorbance screening technique
- Analyzed 6 soil samples for volatile aromatics, including benzene, toluene, and xylenes
- Analyzed 2 additional samples for priority volatile and semivolatile organic compounds

- Collected groundwater from 12 monitoring wells and analyzed samples for PAH, volatile aromatics, and field parameters (e.g., pH, alkalinity)
- Analyzed 5 additional groundwater samples for PCP using a screening method (WCC 1983, as cited by Hart Crowser 1997).

As part of the Consent Decree signed by Quendall Terminals and Ecology in 1988 (WCC 1990, 1991a, as cited by Hart Crowser 1997), WCC conducted the following additional work:

- Installed 11 additional monitoring wells (BH-17 through BH-23) at 7 locations (9 of the 12 wells installed in 1983 had been destroyed by log yard operations)
- Collected 42 soil samples from the 7 well locations and analyzed the samples for PAH, PCP, and dibenzofuran using EPA Method 625
- Conducted groundwater sampling quarterly (January 1989 and March 1990). Groundwater samples were analyzed for volatile and semivolatile organic compounds, metals, and field parameters (including nitrate, nitrite, sulfate, alkalinity, pH, and dissolved oxygen).

In 1990, WCC installed 6 additional wells at 4 locations (BH-24 through BH-27). A total of 16 soil samples collected from the 4 well locations was analyzed for semivolatile organic compounds using EPA Method 8270. In June 1991, groundwater was sampled from 6 wells and analyzed for volatile (EPA Method 8240) and semivolatile (EPA Method 8270) organic compounds (WCC 1990b, 1991a, as cited by Hart Crowser 1997). Analytical results of the WCC investigations for PAH, PCP, and metals are included in Appendices A and B.

WCC completed additional investigations in 1991 (WCC 1991b, 1992a, as cited by Hart Crowser 1997). However, analytical data from these investigations were not available for inclusion in this report. The studies included the following:

- Investigated *in situ* bioremediation at the Quendall Terminals site by evaluating chemical and microbiological parameters (e.g., metals, major ions, nutrients, dissolved oxygen, chemical and biological oxygen demand, alkalinity, and microbial counts)
- Studied whether DNAPL present in several shallow groundwater monitoring wells on the Quendall Terminals site could be recovered efficiently (DNAPL was pumped out of wells BH-21A and BH-5, where product thicknesses of 1–6 ft had been observed)
- Conducted aquifer pump tests in wells BH-19, BH-25, and BAX-9 to estimate hydraulic properties, including transmissivity, hydraulic conductivity, and storage efficiency of the upper water bearing unit.

2.2.2.6 Washington State Department of Ecology

In 1991 and 1992, Ecology conducted a sediment investigation at the Quendall Terminals and J.H. Baxter properties. The investigations focused on shallow sediments (0–2 cm deep). Analyses were conducted for PAH compounds, PCP, PCBs, and heavy metals. In addition, bioassays and measurements of macroinvertebrate abundance were conducted (Ecology 1992b, as cited by RETEC 1996a). Analytical data from the sediment investigation are presented in Appendix C.

2.2.2.7 Hart Crowser

After the work described under the 1988 Consent Decree was completed, Ecology and Quendall Terminals entered into an Agreed Order in 1993 for an RI/FS at the site. The work to be performed included a supplemental remedial investigation, a risk assessment, and a feasibility study. Hart Crowser was hired to perform this work in 1995 and 1996, which included additional field investigations to further delineate the nature and extent of contamination. Hart Crowser's field activities are listed below:

- Excavated 9 test pits (TP-1 through TP-9)
- Drilled 9 soil borings (HC-1 through HC-8, and BH-28)
- Installed 1 monitoring well (BH-28)
- Sampled soil vapor flux at 4 locations (VP-1 through VP-4)
- Sampled and analyzed groundwater and free-phase product in December 1995
- Monitored water levels over 12-month period
- Sampled and analyzed groundwater discharge (WP-1 through WP-6) and Lake Washington surface water (SW-1 through SW-6).

The results of these investigations were presented in the *Final Remedial Investigation for Quendall Terminals Uplands* (Hart Crowser 1997). Analytical results are presented in Appendices A and B.

2.2.2.8 Remediation Technologies, Inc.

Most recently, RETEC has conducted a number of environmental investigations on the property. In 1996, RETEC compiled and reviewed available sediment, soil, groundwater, storm water, surface water, and toxicity data from the Quendall Terminals, J.H. Baxter,

and Pan Abode properties. RETEC subsequently published *Summary of Existing Environmental Data and Data Gaps for the Jag Project Area* (RETEC 1996b). Based on this review of available data, the following tasks were identified as necessary for completion of a feasibility study: shallow sediment sampling, wood waste surveying, wood waste characterization, shoreline core sampling to identify locations of NAPL seeps to sediments, and supplemental chemistry (RETEC 1996b). These tasks were completed, and RETEC presented the results in its *Draft Sediment Quality Memorandum* (1997b). In summary, the sediments investigation included:

- Bathymetric survey of the lake bottom
- Delineation of lake bottom wood debris
- Coring of subsurface sediments along the Quendall Terminals shoreline and analysis of sediment (EPA Method 8020 and/ or EPA 8260)
- Biological testing of sediments
- Elutriate testing of Quendall Terminals sediments
- Sampling of sediment infauna and macrofauna.

In 1997, RETEC submitted to Ecology a review of the upland soil conditions in the *Upland Constituents Memo* (RETEC 1997c). Upland soil conditions were assessed by reviewing field and laboratory analytical data, as well as all available field observations. The distribution of affected soil within the project area was outlined, and areas of the site were delineated according to the extent and type of contamination. Affected soil volumes for various cleanup criteria were also calculated. Analytical data from the RETEC investigations are included in Appendices A, B, and C.

2.3 Site Physical Setting

This section describes the physical characteristics of the site as reflected in the available data from previous investigations. Presented below is a description of the physical setting, including topography, geology, hydrogeology, sediments, and shoreline.

2.3.1 Topography

The site topography is relatively flat, with hills rising to the east beyond Interstate Highway 405. Site topography has been modified by historical site activities, including filling and grading. Currently, the site has a maximum relief of 12 ft (elevation 15 to 27 ft, National Geodetic Vertical Datum) (Hart Crowser 1997) and site drainage is generally to the west, with surface depressions in the western and southwestern areas of the site. Figure 2-5 is a topographic map of the site.

2.3.2 Geology and Hydrology

The geology of the site consists of recent alluvial deposits covering quaternary glacial deposits. Below the fill areas, there is a sequence of highly heterogeneous alluvial and lacustrine silts, sands, and peat, underlain by dense sand and gravel of glacial origin. Figures 2-6 and 2-7 are cross sections of the site. Soil on the northern end of Quendall Terminals is sandy, with interbedded lenses of peat, silt, clay, and wood chips (RETEC 1996b). There are fewer silt and peat layers toward the southern end of the property. Deep soils penetrated by soil borings are consistently sand and gravel. Deep clay layers or bedrock have not been encountered during soil borings (RETEC 1996b; Hart Crowser 1997). Depth to the bottom of the sand and gravel deposits is unknown, but is generally believed to be in the range of 90 to 120 ft below ground surface (Hart Crowser 1997).

The geology of the shallow property soils is complicated by several factors. First, extensive fill has been used onsite to raise the grade, especially along the lakeshore. The

fill materials were applied at different times and are heterogeneous. Second, May Creek formerly crossed the property, and fill has been placed in the creek's former channels to bring them up to grade. Third, the tank farm area was partially regraded during the 1970s to enhance drainage. Fourth, fill material consisting of soil and sawdust was placed on the property in 1983 after the tar refinery was decommissioned. The depth of this fill reportedly averages 2–3 ft, though actual depths may vary with property features (RETEC 1996b). These factors, together with the interbedded peat, silt, and clay lenses present in the northern area of the property, make it impractical to form a detailed geologic model of the upper 10 ft of site soils.

RETEC interpreted the project area subsurface geology using more than 40 soil boring and monitoring well geologic logs, along with test pit sidewall descriptions from environmental and geotechnical investigations in the area. Because the subsurface geology is complex and heterogeneous, correlation of distinct stratigraphic units across the project area has not been attempted. Instead, the subsurface geology has been segregated into three zones: the upper fill zone, the intermediate silty peat zone, and the lower sand zone. These three zones encompass the subsurface interval, which may have been affected by past site activities or could influence groundwater movement through an affected area.

The upper fill zone ranges in thickness across the project area from 0 to 14 ft, with greater thickness along the shoreline. The fill consists of both dredged material, consisting primarily of silty to medium-grained sand, and imported material, including clay, silt, sand, gravel, construction rubble, and other debris. In most areas of the site, the fill zone corresponds to the unsaturated zone, although sections of fill material are below the shallow water table. The surface of the aquifer is within the upper fill zone at depths between 5 and 14 ft below ground surface.

The intermediate silty peat zone comprises soft-to-stiff dark-brown-to-gray silty peat, organic woody silt, and silty fine-grained sand with interbedded gray and brown clay, silt, sand, and occasional ash lenses. This silty peat zone is most prominent in the northern

segment of the Quendall Terminals log yard. The silty peat zone was encountered in soil borings with thicknesses up to 35 ft. The top of this zone was noted at depths between 0 and 14 ft below ground surface. Water levels in wells that intercept the upper fill and silty peat zones are shallow and relatively stable, with depths to water between 7 and 13 ft (RETEC 1997b).

The lower sand zone consists of gray, dense to medium dense, fine- to coarse-grained sand and gravel with cobbles and interbedded gray and brown silty fine-grained sand and silty lenses. The top of this zone starts from 14 to 25 ft below ground surface. The water levels in wells screened in the lower sand zone are similar to the water levels in wells screened in the silty peat layer, indicating hydraulic communication between the two zones. Seasonal variation in water levels in individual wells is generally less than 2 ft.

The hydrology of the Quendall Terminals property is characterized by a shallow water table with groundwater flow toward the west and discharge to Lake Washington. A groundwater contour map for the project area is shown in Figure 2-8. The aquifer is recharged in the upland east of the site. Preliminary groundwater modeling performed by Hart Crowser as part of its 1996 remedial investigation suggests that shallow groundwater currently discharges to the lake within 350 ft of the shoreline. The discharge rate from the shallow aquifer to Lake Washington was estimated to be between 2 and 10 gpm (Hart Crowser 1997).

2.3.3 Sediments and Shoreline

The Quendall Terminals shoreline can be divided into three sections. The northernmost section runs from the Quendall Terminals sandspit north to the Quendall Terminals/J.H. Baxter property line. The shoreline in this area is low and sloping, with upland vegetation and a sandy beach.

Three wetlands exist onsite (wetlands A, B, and C) and are shown on Figure 2-3. Hydrology in wetlands A and B is controlled by the lake level, and only minor surface discharge enters these areas. Wetland C is a remnant of the historical Quendall Terminals pond. This area appears to be isolated from groundwater and receives drainage from the adjacent log yards (Beak 1997).

The Quendall Terminals log dump is at the southern end of the property. The shoreline in this vicinity is abrupt, having been partially bulkheaded and armored with riprap. There is no significant beach in this area. In addition, there is no upland vegetation in this area because of industrial activities (scrap off-loading, log handling) conducted there. The lake bottom in this area consists of mud and wood waste. The bathymetry of the site is shown in Figure 2-5.

2.4 Nature and Extent of Contamination

In this section, the nature and extent of contamination are discussed by medium (i.e., soil, sediment, or groundwater). The discussion focuses on DNAPL, PAH compounds, benzene, and wood waste. Analytical results for other compounds, including metals, pesticides, PCBs, and PCP are included with the data summaries presented in Appendices A, B, and C, but are not discussed here because of previous screening results (Hart Crowser 1997).

Because of the large number of samples analyzed and the variety of methods employed, ranges of concentrations are presented in the text. Supporting the discussion are figures showing the spatial relationships of the samples collected at the property and summarizing the analytical results for DNAPL, PAH compounds, benzene, and wood waste. All data were taken from previously prepared reports, and no independent quality assurance review or correction for significant figures was conducted. The analytical results shown in Figures 2-9a–2-9c, 2-10a–2-10c, and 2-11a–2-11c represent the maximum concentration of a given compound over the depth sampled at a specific location, unless otherwise noted.

2.4.1 Dense Nonaqueous-Phase Liquid

During soil and groundwater sampling, free creosote and tar materials were reported in multiple areas of the Quendall Terminals property. Boring, well, and trench logs for the property include written observations describing liquid product and nonliquid residuals such as pitch, coke, coal-like materials, and stained soils. The available logs and field observations of soils showing evidence of product were compiled by RETEC and are summarized in Table 2-2 (RETEC 1996b).

From the historical logs and data, onsite areas affected by DNAPL were identified and are shown in Figure 2-12. The occurrence of DNAPL has been identified in four areas of the site:

- North sump area
- Still house area
- North tank farm area
- Former May Creek channel.

Much of the hydrocarbon product noted in boring logs is present below the water table. However, the product appears to be confined to the upper soil horizons. Deep borings and wells located on the property have not encountered free product within the lower sand and gravel zone. The product appears to have remained within the interbedded silt, clay, sand, and peat layers present in the shallow soils. Only two (BH-18B and BH-21B) of the six deep wells at the property have a noticeable sheen. The free product was analyzed, and the results showed a distribution of PAH compounds and the presence of dibenzofuran and carbazole, consistent with a creosote or coal-tar source.

Based on the location and depth of the DNAPL deposits detected in sediments, it appears that the nearshore area is affected by DNAPL originating from uplands seeps. Sediment DNAPL locations are adjacent to confirmed deposits of uplands DNAPL and areas of elevated benzene concentrations in groundwater. Three cross-sections of suspected seep areas, from the upland sampling locations to the sediment vibracore sampling locations, are shown in Figure 2-13 and are discussed below.

The A-A' cross section in Figure 2-13 shows the relationship between the detected DNAPL and the DNAPL known to exist around the former north sump area onsite. During operation of the Reilly Tar and Chemical refinery, wastewater was discharged to the north sump, which collected settleable solids. The north sump was excavated to

remove free product after the refinery closed; however, DNAPL was subsequently detected in several borings, including boring SWB-4A installed by Shannon & Wilson. DNAPL was detected in boring VS-2 offshore from the north sump area, in a direction consistent with the reported surface water discharge from the sump to Lake Washington. In boring VS-41, between boring VS-2 and the shoreline, no DNAPL was observed, suggesting that either the DNAPL in this area is not continuous or that the DNAPL is at a greater depth than that reached by these borings, an inferred *in situ* depth of greater than 30 ft. The slope of the lake bottom is relatively flat beyond boring VS-2, suggesting that emergence of the DNAPL from this location into shallow lake sediments is unlikely. The lateral travel distance that would be required for DNAPL emergence is over 400 ft, assuming no vertical drop in DNAPL elevation during lateral movement (RETEC 1997b).

Cross section B-B′ on Figure 2-13 shows the Quendall Pond area. Between this area and the shoreline (B-B′), uplands DNAPL had been detected. Along the shoreline downgradient of this area (B-B′), DNAPL was observed in two vibracore samples, VS-30 and VS-4. The DNAPL in core VS-4 was overlain by materials containing no evidence of contamination, indicating that the DNAPL had moved to that location through lateral transport. The DNAPL detected in VS-30 was at an intermediate location between the uplands DNAPL and that found in VS-4. No DNAPL was noted in the four cores taken downgradient of VS-4 (VS-27, VS-20, VS-17, and core F), thereby defining the westernmost boundary of the plume in the vicinity of VS-4.

Cross section C-C′ on Figure 2-13 traces the former May Creek drainage. Along this transect, no DNAPL was detected in shoreline coring. Chemistry data collected from the sediments confirmed that PAH concentrations were less than 100,000 μg/kg in samples from this area. DNAPL has been found in the uplands area in well BH-21A. However, this DNAPL does not appear to extend to the shoreline, which is located less than 150 ft away (RETEC 1997b).

2.4.2 Soil

Elevated PAH concentrations have been detected in most of the upland soils. The soil contamination ranges from low-level (μg/kg) concentrations of heavy-end coal-tar residuals to percent-level PAH contamination in other areas. Also, there are localized areas affected with free product, and other areas affected with light-end coal-tar distillates such as benzene (RETEC 1996b). Contamination of site soils with PAH compounds and benzene is summarized in Table 2-3 and is discussed below.

2.4.2.1 Polycyclic Aromatic Hydrocarbon Compounds in Soils

Soil samples for PAH analyses were collected over a range of depths from the surface to a maximum sample depth of 42.5 ft below ground surface. The analyses were performed using EPA Method 8270 and various field screening methods including gas chromatography screen, fluorescence screen, and immunoassay analytical techniques. Appendix A includes all available soil analytical results for individual, total, and carcinogenic PAH (cPAH) compounds at each location and date; the method of detection; and the depth interval of the sample. The fluorescence screening data were not available for inclusion in this report.

Figures 2-11a and 2-11b show the concentrations of total PAH and cPAH compounds in onsite soil based on EPA Method 8270 analytical results. The figures show the highest concentration of total and cPAH compounds over the depth sampled for each location.

Estimated total PAH concentrations ranged from below the detection limit to 48,000,000 μg/kg (BH-1). The individual PAH compound found at the highest concentration was naphthalene, at a concentration of 11,000,000 μg/kg in a sample from HC-7. Total cPAH concentrations ranged from not detected to 8,280,000 μg/kg (BH-27). The highest individual cPAH concentration was for chrysene, at a concentration of

2,500,000 μg/kg in a sample from TP-4. Both total PAH and cPAH compounds in site soils were randomly distributed across the site at various depths. Areas of highest PAH and cPAH concentrations are generally encompassed by areas of DNAPL.

2.4.2.2 Benzene in Soils

Benzene was detected primarily in areas affected by DNAPL (Figure 2-11c). Benzene analyses were generally performed using either EPA Method 8020 or 8260 with detected concentrations ranging from 170 to 4,400 μg/kg (Table 2-3). The maximum concentration was found in the sample from HC-7 in 1995. Table 5 in Appendix A includes soil analytical results for benzene.

2.4.3 Groundwater

PAH compounds and benzene have been detected in groundwater samples from previous investigations in the same areas that DNAPL occurrences have been documented. The range of concentrations of PAH compounds and benzene detected in groundwater is summarized in Table 2-4. The nature and extent of these chemicals in groundwater is discussed in more detail below.

2.4.3.1 Polycyclic Aromatic Hydrocarbons in Groundwater

Figure 2-9a shows the PAH compound sample locations in groundwater at the Quendall Terminals site. The analytical methods used include EPA Method 8270 and absorbance screening. Samples were collected at multiple depths in the upper and lower water-bearing aquifers. Appendix B includes all available PAH data for site groundwater. Results of the absorbance screening were not available.

Concentrations of total PAH compounds in groundwater ranged from below the detection limit to 78,450 $\mu g/L$ (BH-23). Well BH-23 is located within the north sump DNAPL plume. The individual PAH compound found at the highest concentration was naphthalene, at a concentration of 43,000 $\mu g/L$ in well BH-23. Similarly, well BH-23 had the highest cPAH concentrations, with benzo[a]pyrene and chrysene detected at 1,700 $\mu g/L$. Other areas of elevated PAH concentrations in groundwater appear to be associated with the former May Creek channel, the still house area, and the north sump area.

2.4.3.2 Benzene in Groundwater

Benzene analyses for groundwater samples were conducted using EPA Method 8240 (Appendix B, Table 10). As with soil contamination, areas of elevated benzene concentrations appear to be located in the areas associated with DNAPL contamination—the former May Creek channel and the north sump area. In these areas, concentrations of benzene range from not detected to 3,300 $\mu g/L$. The maximum concentration of benzene detected at the shoreline was 140 $\mu g/L$ in sample WP-4 within the north sump area DNAPL plume.

2.4.4 Sediments

Existing sediment data was gathered by Twelker (1971), U.S. EPA (1983), Ecology (1992), and RETEC (1997b). The most recent sampling by RETEC (1997b) consisted of over 80 grab samples, Vibracore deep sampling, a sediment profile camera survey, a diver survey, a towed-camera video transect survey, beach surveys, bathymetric surveys, and side-scan sonar surveys. The results of these previous investigations with regard to the characteristics of wood waste and debris in the sediments, and PAH and benzene contamination, are discussed below and summarized in Table 2-5.

The following discussion of PAH and benzene contamination in sediments is divided into two geographical areas: nearshore sediments and sediments in the T-dock area of the Quendall Terminals site. The sediment wood waste discussion reviews the protocol used to quantify wood waste and determine the environmental impact of the wood waste. All available sediment contaminant data are presented in Appendix C.

2.4.4.1 Polycyclic Aromatic Hydrocarbons in Sediments

In the nearshore area, PAH contamination in sediments was detected at concentrations up to 15,296,000 $\mu g/kg$ (VS-29) (Figure 2-10a). High PAH concentrations were generally found in the DNAPL-affected areas. PAH concentrations were measured at multiple depths to determine the extent of shallow-zone contamination. Samples from areas showing no evidence of DNAPL (VS-27, VS-20, VS-18, and VS-21) all indicated a shallow contaminated zone that is less than 2 ft deep (RETEC 1997b).

In the T-dock area, contamination is assumed to have originated from coal-tar spills during historical operations (RETEC 1997b). The PAH contamination at the T-dock is generally present in a discrete layer less than 1 ft thick with a maximum depth of 3.5 ft. Vibracore samples revealed coal-tar contamination in the upper few inches of sediment. Cleaner material was often found overlaying the contaminated layer (samples S-51, S-60, S-46, S-45). The deepest reported PAH contamination was 297,100 $\mu g/kg$ at 2.5 ft (EPA-1). No DNAPL seeps or pockets of contamination were noted in core tubes advanced to a depth of 17 ft below the mudline (RETEC 1997b). Data from RETEC's Phase I sampling event was combined with the earlier EPA and Ecology investigations to estimate the area of sediments where PAH concentrations exceed 100,000 $\mu g/kg$ (Figure 2-10a). The total area of sediments with PAH concentrations exceeding 100,000 $\mu g/kg$ was calculated to be approximately 12,400 yd^2 (RETEC 1997b).

2.4.4.2 Benzene in Sediments

In the nearshore area, elevated benzene concentrations were detected in vibracore samples during RETEC's Phase II sampling. The distribution of benzene concentrations is shown in Figure 2-10c. Benzene was detected in sample VS-30 (nearshore north sump DNAPL area) at a concentration of 260,000 μg/kg; in sample VS-29 at a concentration of 24,000 μg/kg; and in sample VS-21 at a concentration of 180 μg/kg (RETEC 1998), suggesting that these borings are located near a DNAPL source.

In the T-dock area, the most heavily contaminated sediment samples (S-45B, S-46B, S-51B) and a number of other samples were tested for benzene and other volatile organic compounds during RETEC's Phase I sediment investigation. Benzene was not detected in any of these samples (detection limits ranged from 1.2 to 69,000 μg/kg) (Figure 2-10c). The lack of benzene detections in the T-dock sediments is attributed to attenuation of volatile organic compounds due to weathering and leaching (RETEC 1997b).

2.4.4.3 Wood Waste *in* Sediments

During the Quendall Terminals feasibility study process, RETEC, Ecology, and the resource agencies developed a measurement protocol for quantifying the extent of wood waste in sediments within the project area. Wood waste is regulated by Ecology as an "other deleterious substance," as defined by the Sediment Management Standards (SMS). The extent of wood waste was determined during RETEC's Phase I and Phase II investigations (RETEC 1997b). Methods used for determining the extent of wood waste and the results of the investigations are described below.

The upper 20 cm of sediment were characterized with a sediment-profile imaging camera. To identify gross physical, chemical, and biological features in near-surface sediments, photographs (in profile) of the top 20 cm of the sediment column were taken

using a specially designed camera deployed from a vessel. Subsequent visual and computer analyses of imaged features were then conducted (Rhoads and Germano 1986, as cited by RETEC 1997b). A total of 132 stations were sampled (3 replicate images per station) across the project area. Infauna noted during sampling included chironomids, amphipods, oligochaetes, and annelids. Macrofauna noted during sampling included freshwater clams and mussels, crayfish, smallmouth bass, sculpin, and perch.

Further characterization of the lake bed was performed with two types of video transect surveys. A Pentec Sea-All camera was used in areas where there was minimal surface obstruction. In areas with extensive surface debris, video transects were obtained by an untethered diver using a hand-held video camera. Bathymetric and side-scan sonar surveys were conducted to provide detailed bottom elevation information and a map of large debris in the project area.

Sediments Exceeding 50 Percent Wood Waste—As defined in Ecology's protocol, sediments exceeding 50 percent wood waste by volume are assumed to be deleterious and require remedial action. No additional testing was considered necessary for characterization of these sediments (RETEC 1997b). From the sediment profile imaging survey, the percent of wood by volume was measured for the 0–10 cm depth interval by measuring the two-dimensional area of wood material visible in the sediment profile images. The lateral coverage of wood waste in sediment was then measured using the video transect data. An area would exceed the remedial action threshold if both the sediment profile imaging survey and video transect data showed greater than 50 percent wood waste. The principal area of wood waste exceeding 50 percent was identified as the area offshore of the Quendall Terminals log dump. The volume of the wood waste/sediment is approximately 48,000 yd^3 (RETEC 1997b).

Benthic Habitat—The sediments that showed less than 50 percent wood waste were screened to estimate disturbance levels (RETEC 1997b). One measure of benthic

disturbance is the thickness or depth of the oxygenated zone of the sediments. The depth at which oxygen becomes limiting is the redox potential discontinuity (RPD), described in more detail below.

In addition to providing information about the volumetric percentage of wood waste in the sediments, the sediment profile images provided a measurement of the RPD thickness. The RPD is identified as the depth to which particles with oxidized coatings persist in the sediment column. Typically the oxygenated sediments exhibit an olive or tan color (iron oxides indicating oxygenated conditions), whereas the underlying reduced (oxygen-poor) sediments are gray to black as a result of iron sulfide buildup. The boundary between the oxic tan sediment and the black to gray reduced sediments denotes the apparent RPD. The apparent RPD is an important measurement that integrates pore water dissolved oxygen conditions, sedimentary organic enrichment, and biogenic mixing rates over time (RETEC 1997b). In the case of Quendall Terminals sediments, three main factors may affect the RPD: 1) physical disturbance, such as logs rolling on the lake floor, 2) oxygen depletion due to inputs of large amounts of wood waste, leading to bacterial breakdown of the wood, and 3) oxygen depletion due to bacterial degradation of contaminants in the lake sediments. A lack of oxygen diminishes the depth of the RPD and may result in diminishing populations of benthic infauna and macrofauna supported in the sediments.

The RPD can be useful to assess the physical and biological quality of a habitat for epifauna and infauna. The depth of the apparent RPD in profile images has been shown to be related to the quality of the benthic habitat in marine and estuarine sediments (Rhoads and Germano 1986; Revelas et al. 1987; Day et al. 1988; Diaz and Schaffner 1988a; Valente et al. 1992). Accounting for differences in sediment type and physical disturbance factors, thin RPDs may be indicative of chronic benthic environmental stress or recent disturbance.

Relative trends in apparent RPD depths are indicative of overall benthic disturbance regimes. Thinner RPDs generally point to areas subject to either physical stress (e.g.,

scouring by prop wash) or chemical stress (e.g., high sediment oxygen demand or chemical contamination). The shallowest RPD depths at the site (less than 0.2 cm) occurred in a contiguous nearshore area that stretched between and connected the areas with greater than 50 percent wood waste (Figure 2-14). This reduced RPD thickness could be due to the physical disturbances caused by grounding and rolling of log debris, prop wash from log handling boats, and organic enrichment resulting from the widespread inputs of wood waste. A strong population of sediment-reworking benthic infauna was observed in undisturbed areas. However, in the inner areas of the site, the disturbance appears to have prevented similar benthic infaunal development (RETEC 1997b).

Surrounding the highly disturbed area, a broad swath of the lake bottom exhibited intermediate RPD values (0.2 to 0.8 cm). This region extended from the outer harbor line off of the Quendall Terminals property, south past Barbee Mill to the May Creek delta. Stresses to the benthic environment in this area are likely varied. Both scattered wood debris and localized PAH contamination may influence benthic assemblages. In addition, natural disturbance factors such as inputs of labile organic matter from decomposing submerged aquatic vegetation (e.g., milfoil), or physical scouring at the delta may be contributing benthic stress factors along the shoreline at the northern and southern ends of the area.

The remainder of the survey area exhibited RPD depths greater than 0.8 cm. This included the areas west of Quendall Terminals and the entire area north and northeast of the former T-dock. Based on the uniform distribution of RPD depths across these outlying regions, these relatively deep RPD areas appear to represent a relatively undisturbed benthic condition in terms of overall animal-sediment interactions for nearshore areas in this portion of Lake Washington. Additional data regarding the distribution of biological features, infauna, sediment texture, and other sediment profile imaging parameters were summarized by Striplin (1997).

Gray Zone—Based on the wood waste measurements and the RPD thickness contours, the area containing less than 50 percent wood waste with an RPD less than 0.8 cm was established as the "gray zone" for further testing (Figure 2-14) (RETEC 1997b). Biological testing criteria were applied in this area to determine if the wood debris exceeded the criteria defined in the SMS for "other deleterious substances." Testing locations and numbers for biological and chemical tests were then established by RETEC in cooperation with Ecology and other resource agencies (RETEC 1997a).

A total of six samples were collected from the gray zone for full chemical and biological characterization. The PAH content of the samples was well below 100,000 µg/kg, ranging from 4,300 to 16,000 µg/kg. No priority pollutants were present at sufficiently high concentrations to potentially affect test organism survival in the bioassays conducted. In all cases, the concentration of putative wood waste degradation products in the test samples exceeded that in the reference sample.

RETEC conducted three different bioassays with gray zone sediments: 1) 10-day acute bioassay for *Chironomus tentans* mortality and weight gain, 2) 10-day *Hyalella azteca* acute toxicity test for mortality and weight gain, and 3) 42-day *H. azteca* chronic toxicity test. All of the tests represent whole-sediment bioassays. The sediments tested for acute toxicity equaled or surpassed the survival criteria (Table 2-6). The survival of *H. azteca* in the chronic bioassay was poor for both control and reference sediments (32.5 percent and 49.2 percent survival, respectively). However, two of the six test sediments had high survival (72.5 percent, JB-3A, and 85.8 percent, JB-4A) (Table 2-6).

The results of the acute assay indicate that wood waste in the gray zone does not exhibit acute toxic effects. The chronic toxicity bioassay results were inconclusive because of the high mortality in the control and reference samples. However, the high survival of *H. azteca* in two of the sediment samples suggests that chronic effects are not associated with the wood waste sediments (RETEC 1997b).

3. Focused Feasibility Study

3.1 Introduction

This section presents the focused feasibility study (FFS) for the Quendall Terminals site. This FFS addresses the requirements of WAC 173-340-350 and was prepared to facilitate selection of the remedial action(s) at the site under WAC 173-340-360. This section is divided into the following subsections:

- Section 3.2, *Potential Applicable or Relevant and Appropriate Requirements*, which identifies and evaluates federal and state requirements that are potential applicable or relevant and appropriate requirements (ARARs) for remedial actions at the site;
- Section 3.3, *Human Health and Environmental Hazard Evaluation*, which provides a general overview of the site from a risk assessment perspective and screens site data to identify primary concerns;
- Section 3.4, *Development of Remedial Action Objectives and Numerical Cleanup Standards*, which describes the development of RAOs and numerical levels to define site cleanup requirements, taking into account planned site remediation and redevelopment;
- Section 3.5, *Technology Identification and Screening*, which describes the potential technologies that could be applied at the site and compares the relative effectiveness of the screened technologies in achieving the RAOs;
- Section 3.6, *Comparison of Retained Remedial Alternatives*, which compares the retained remedial alternatives;
- Section 3.7, *Selection of Preferred Alternative*, which discusses the selection of the preferred alternative and the implementation schedule for that alternative; and

- Section 3.8, *Geotechnical Piling Technologies*, which describes the issues associated with installation of geotechnical piles at a site where DNAPL is present.

3.2 Potential Applicable or Relevant and Appropriate Requirements

This section identifies and evaluates federal and state requirements that are potential ARARs for remedial actions at the Quendall Terminals site in Renton, Washington. The ARAR identification process is based on criteria presented in WAC 173-340-710.

WAC 173-340-360(2) (Selection of Cleanup Actions—Threshold Requirements) and 173-340-710(1)(a) (Applicable State and Federal Laws) require that cleanup actions conducted under MTCA shall comply with applicable state and federal laws. "Applicable state and federal laws" include legally applicable requirements and those requirements that Ecology may determine are relevant and appropriate (MTCA 1996).

A "legally applicable" requirement must be promulgated under state or federal law and must specifically address a hazardous substance, cleanup action, location, or other circumstance at the site. "Relevant and appropriate" requirements are also promulgated under state and federal laws but are not legally applicable to the project; however, Ecology has determined that these requirements address circumstances that are sufficiently similar to those encountered at the site. WAC 173-340-710(3) also includes a limited number of regulations that are automatically considered to be relevant and appropriate requirements.

ARARs must be identified for the specific site through a two-part analysis: first, a determination is made whether a given requirement is legally applicable. If it is not legally applicable, a determination is made whether it is both relevant and appropriate. A requirement may be either "applicable" or "relevant and appropriate" for a given situation, but not both.

The following discussion emphasizes the primary potential ARARs applicable to the Quendall Terminals site. A complete list of potential ARARs is presented in Tables 3-1 and 3-2.

3.2.1 Primary Potential ARARs

3.2.1.1 Model Toxics Control Act (RCW 70.105D)

MTCA is the primary governmental regulation pertaining to the conduct of the overall investigation and cleanup process for the site, and is therefore applicable. MTCA specifies the criteria for approving cleanup actions, the order of preference for cleanup technologies, policies for permanent solutions, the application of these criteria to particular situations, and the process for making decisions. The regulations specify that all cleanup actions shall protect human health and the environment, comply with cleanup standards, comply with all applicable state and federal regulations, and provide for appropriate measurements of compliance.

Amendments to MTCA (RCW 70.105D.090) exempt remedial actions from the procedural requirements of several Washington State laws if they are conducted under an Agreed Order or Consent Decree. These laws include the Clean Air Act (RCW 70.94), Solid Waste Management–Reduction and Recycling Act (RCW 70.95), Hazardous Waste Management Act (RCW 70.105), Construction in State Waters Act (RCW 75.20), and Shoreline Management Act (RCW 90.58). If not for RCW 70.105D.090, all of these laws would apply to the Quendall Terminals site, which is exempted under a Consent Decree.

The exemption also applies to the procedural requirements of any laws requiring or authorizing local governmental permits or approval for the remedial action. Therefore, while substantive compliance is necessary, these permits and approvals are not required for remedial actions at the site. Substantive requirements are addressed in the Prospective Purchaser Consent Decree, which implements the cleanup action.

3.2.1.2 Model Toxics Control Act Cleanup Regulations (WAC 173-340)

Regulations under WAC 173-340 implement the requirements of MTCA. These regulations are the principal regulatory vehicles under which the remedial measures for Quendall Terminals will be implemented, and are therefore applicable. These regulations establish administrative processes and standards to identify, investigate, and clean up facilities where hazardous substances have been released.

WAC 173-340-700 establishes cleanup levels for environmental media, including groundwater, surface water, soil, and air.

3.2.1.3 State Environmental Policy Act (WAC 197-11, 173-802)

The State Environmental Policy Act (SEPA) is applicable to remedial measures at Quendall Terminals. SEPA requires that all governmental agencies consider the environmental effects of public or private proposals (courses of action). Under WAC 197-11-784, a proposal includes both regulatory decisions of agencies and actions proposed by applicants. As part of the SEPA process, Ecology requires completion and submittal of a SEPA checklist. The checklist solicits information to help identify potential impacts to the environment and assists agencies in their planning and decision making.

An environmental impact statement (EIS) is required only if Ecology determines that the proposal has a probable significant adverse environmental impact. An EIS examines potential environmental problems that the proposed action may cause and evaluates options for mitigation. If no significant adverse environmental impacts are identified, a Determination of Nonsignificance is issued and the SEPA process is concluded without preparation of an EIS. The Determination of Nonsignificance can be issued with the draft Cleanup Action Plan prepared pursuant to MTCA requirements.

3.2.1.4 Dangerous Waste Regulations (WAC 173-303)

The Dangerous Waste Regulations (WAC 173-303) are the state equivalent of the federal Resource Conservation and Recovery Act (RCRA) legislation. The majority of RCRA authority has been delegated to Ecology and is implemented through the Dangerous Waste Regulations. They contain a series of rules addressing (among other topics) the identification, generation, handling, storage, and disposal of dangerous waste.

Amendments to the MTCA, discussed in Section 3.2.1.1, exempt cleanup actions conducted under a Consent Decree from the procedural requirements of several state laws, including the Hazardous Waste Management Act. Since the Hazardous Waste Management Act is implemented through the Dangerous Waste Regulations, this exemption also applies to the WAC 173-303 rules. In addition, an amendment to the Hazardous Waste Management Act provides a conditional exemption to state-only dangerous wastes generated when a remedial action is conducted pursuant to a Consent Decree with Ecology. "State-only" wastes are those defined as dangerous under Washington State law but not under federal law; thus the exemption is not applicable to materials considered as hazardous waste under RCRA. The Consent Decree must provide management practices for the waste being generated, and must include a treatment or disposal location approved by Ecology. In addition, waste being treated or disposed onsite must be managed in a manner approved by Ecology. The amendment also allows extremely hazardous wastes to be managed onsite as part of a remedial action under a Consent Decree.

Accordingly, no WAC 173-303 procedural requirement applies to onsite remedial actions if the actions are conducted pursuant to a Consent Decree. The substantive requirements in WAC 173-303 pertaining to dangerous waste generation, handling, storage, and disposal may be applicable if nonexempt dangerous waste is generated and/or transported off the site during cleanup.

In September 1991, Ecology approved the Area of Contamination Interprogram Policy. This policy supports and broadens the analysis provided above. The purpose of the policy is to "clarify the definitions of generation and disposal as they apply to waste, soil, and debris found at MTCA sites."

As mentioned above, RCRA authority has been delegated to Ecology. As part of this authority, Subpart S—Corrective Action for Solid Waste Management Units, 40 CFR §264.552, is administered by Ecology. WAC 173-303-646 is the corresponding state regulation.

Section 404 of the Clean Water Act is applicable and requires approval to discharge dredged or filled materials into waters of the United States. Section 404 permits are regulated by the U.S. Army Corps of Engineers.

3.2.2 Potential Chemical-Specific ARARs

According to U.S. EPA (1988), chemical-specific ARARs are:

> . . . usually health- or risk-based numerical values or methodologies which, when applied to site-specific conditions, result in the establishment of numerical values. These values establish the acceptable amount or concentration of a chemical that may be found in, or discharged to, the ambient environment.[1] If a chemical has more than one such requirement that is [an] ARAR, the most stringent generally should be complied with.

[1] "Some federal or state statutes, such as the Clean Water Act, may establish a methodology for setting site-specific discharge limitations. Such requirements may also be ARARs, depending on site-specific considerations."

3.2.3 Potential Location-Specific ARARs

The location of a site and its proximity to humans and ecosystems must be considered in selecting appropriate remedial measures. EPA defines location-specific ARARs as "restrictions placed on the concentration of hazardous substances or the conduct of activities solely because they are in specific locations" (U.S. EPA 1988). Examples of special locations include floodplains, historic places, wetlands, wildlife refuges, and other sensitive or critical ecosystems or habitats.

3.2.4 Potential Action-Specific ARARs

Action-specific ARARs apply when remedial technologies are selected to effect a remedial action. Action-specific ARARs are "usually technology- or activity-based requirements or limitations on actions taken with respect to hazardous wastes" (U.S. EPA 1988). These requirements are triggered by the particular remedial activities that are selected to accomplish a remedial action. Because there may be several alternative actions for any remedial site, it is possible that very different requirements will come into play. Action-specific requirements do not in themselves determine the remedial alternative; rather, they indicate how a selected alternative must be implemented.

3.3 Human Health and Environmental Hazard Evaluation

To assist in directing the efforts of the FFS, the potential hazards posed to human health and the environment by the chemical concentrations observed at the Quendall Terminals site were assessed. To conduct this evaluation, site data were screened against standard, readily available benchmark values for a variety of potential endpoints of concern. For those potential endpoints of concern for which benchmark values are not available (e.g., potential adverse effects via inhalation of chemical vapors), site data were evaluated qualitatively. This hazard evaluation identified specific chemical constituents, geographic locations, and environmental media at the site that could potentially result in adverse impacts on exposed human receptors or the environment. Identified constituents, areas, or media were then evaluated further in this FFS.

This hazard evaluation is organized into four main sections. The first two sections, *Constituents of Concern* and *Conceptual Site Model*, provide an overview of the site from a risk assessment perspective. In the last two sections, *Human Health Hazard Evaluation* and *Environmental Hazard Evaluation*, the potential hazards posed by the site are reviewed.

3.3.1 Constituents of Concern

The constituents of concern (CoCs) at the site are associated with historical coal tar processing at the Reilly Tar and Chemical facility, which took place onsite until 1969. Spills of creosote compounds, coal tars, and pitch during the years the facility was in production have resulted in areas of contamination.

The CoCs were identified for consideration in the human health and environmental hazard evaluation based on data reviews conducted in previous site investigations that were reviewed and approved by Ecology (Hart Crowser 1997). In general, these CoCs were identified based on the following criteria: 1) their presence in soil, sediment, and/or

groundwater at elevated concentrations, and 2) their potential hazards to human health and/or the environment. Identified CoCs include PAH, benzene, wood waste present at concentrations greater than 50 percent in sediments, and wood waste present at concentrations less than 50 percent in sediments that exhibit toxic effects on benthic organisms. Although other compounds, such as arsenic in groundwater and PCP in soils, were also detected, these other compounds were previously excluded as CoCs based on screening against risk-based criteria (Hart Crowser 1997) as discussed in Section 2.2.1.3. Arsenic impacts from activities on the Barbee Mill property exist in the extreme southwest corner of the Quendall Terminals property. These arsenic impacts are being addressed by the owners of the Barbee Mill and are not included in this FFS or the subsequent CAP. Each of the CoCs is discussed below.

3.3.1.1 Benzene

Benzene is a volatile aromatic hydrocarbon that is classified as a known human carcinogen. It is found in site soils and groundwater in several areas, mostly those areas in which other CoCs have been identified. Its occurrence is believed to be associated with releases of creosote-containing materials at the site. Analyses from samples taken from several areas onsite have resulted in detectable benzene concentrations.

3.3.1.2 Polycyclic Aromatic Hydrocarbon Compounds

PAH compounds have been detected in site soils, sediment, and shallow groundwater. PAH compounds are common constituents of creosote materials. Some are considered potential carcinogens while other are associated with noncancer health effects. The behavior of individual PAH constituents differs in the environment. Some degrade more readily than others in ambient conditions. Some are more hydrophilic and travel more readily in groundwater, while others partition largely into soil. Chrysene, naphthalene, and benzo[a]pyrene were selected in previous investigations for evaluation of transport of

PAH compounds in the groundwater pathway (RETEC 1998). However, all analyzed PAH compounds were considered in the human health and environmental evaluations below.

3.3.1.3 Wood Waste

Wood waste has been observed in site sediments across the majority of the lake bottom as a result of past wood handling operations. Wood waste may be designated by Ecology as "other deleterious substances" and may require cleanup on a case-by-case basis (WAC 173-204-520(5)).

3.3.2 Conceptual Site Model

This section provides an overview of the relationships between CoCs at the site, potential transport pathways, contaminant fate in the subsurface environment, and potential receptors. This evaluation focuses on those potential hazards identified as of primary concern in MTCA regulations. The available data were reviewed to provide an initial evaluation of the potential onsite and offsite exposures to CoCs and to provide an indication of the potential human health and ecological hazards associated with CoCs in environmental media. These analyses also considered the potential for an exposure pathway to be complete (i.e., for exposure to a receptor to actually occur under existing or potential future site conditions). The pathways discussed in this section reflect the findings regarding the nature and extent of contamination provided in Section 2.4. These discussions also support the human health and environmental evaluations presented in Sections 3.3.3 and 3.3.4, respectively.

Potential pathways for chemical transport and exposure to human and/or ecological receptors may occur through soil, sediment, surface water, groundwater, and air.

Exposure pathways, potential receptors, and the potential for transport of CoCs at the site are discussed below.

3.3.2.1 Soil Pathway

In the MTCA regulatory framework, the primary hazards of concern for soil are direct human contact and the potential for chemicals in soil to leach into underlying groundwater. The direct soil contact pathway can exist in areas where CoCs have affected surface soils and where there is unrestricted access to these affected areas. Currently, several areas of surface soils affected by CoCs are not covered and present exposure potential for human populations; however, access to the site is limited, and the only populations potentially exposed to site surface soils are workers and visitors. The site is currently used as a log sorting yard and is principally staffed by log sorting yard workers. Visitors include maintenance workers and field personnel conducting environmental investigations. No one currently resides onsite, and children are not present. Restrictive covenants and engineering controls to be placed on the property will prevent direct contacts with contaminated soil and will require maintenance of such controls (e.g., maintenance of a soil cap) (Appendix D).

A second issue associated with CoCs in soil is the potential for chemical migration into underlying groundwater and, in some cases, subsequent transport to nearby surface water. This issue is discussed in more detail in Section 3.3.3.2.

3.3.2.2 Sediment Pathway

Under state regulations, the primary hazard of concern for contaminated sediments is impacts to benthic organisms through direct contact. These impacts have been evaluated consistent with the SMS as described in Section 3.3.4, *Environmental Hazard Evaluation*.

Impact on humans through direct contact is not a hazard of concern at this site because the affected sediments are predominantly under several feet of water. This condition prevents direct contact and sediment adherence for human receptors. Thus, this pathway is incomplete. In addition, plans for the future use of the site as a park include signs and other institutional controls that will restrict humans from entering the water or swimming at the site.

3.3.2.3 Surface Water Pathway

The principal surface water body potentially affected by the site is Lake Washington. CoCs could potentially migrate into the lake from affected groundwater and surface runoff. In addition, DNAPL seeps through sediment have been observed onsite. No streams or perennial water bodies exist at the site, and no storm drains are present.

In MTCA regulations, the primary hazard of concern for surface water is potential exposure to human receptors who consume aquatic organisms. Direct effects on aquatic organisms are also considered. Direct consumption of surface water is an incomplete pathway at this site because Lake Washington currently is not used as a drinking water source and will not likely be used in the future (WAC 173-201A, WAC 173-508). In addition, because access to the site is controlled, and will continue to be controlled under the proposed redevelopment plan, potential recreational exposure to affected surface water in the nearshore areas is limited.

3.3.2.4 Groundwater Pathway

The groundwater pathway involves the movement of chemicals into and through shallow groundwater at the site to potential downgradient receptors. To be considered a complete pathway, the CoCs must be incorporated into groundwater, either in a dissolved phase or

carried along with the groundwater as a NAPL, and ultimately be contacted by a human or ecological receptor. As discussed in more detail below, the groundwater underlying the site is not currently used as a drinking water supply or for other purposes. Moreover, consistent with WAC 173-340-360(7)(c), a deed restriction on the property will preclude the direct use of groundwater as a drinking water supply or for other purposes in the future (see Appendix D). Therefore, the most likely exposure pathway for contaminants in shallow groundwater onsite is through transport to Lake Washington and exposure through that surface water body.

Groundwater transport of CoCs may occur through several mechanisms, including:

- Direct contact of contaminated soils with groundwater
- Direct contact of DNAPL with groundwater
- Leaching of contaminated soils in the vadose (unsaturated) zone and infiltration of contaminated leachate to groundwater.

In several areas of the site, CoCs in soils contact shallow groundwater or are in the groundwater itself. These areas of contamination are likely the result of a creosote release during historical use, handling, and storage, or are a result of migration from offsite sources. CoCs released at ground surface have migrated downward to shallow groundwater, generally found starting at depths of 6–8 ft below ground surface (Hart Crowser 1997). Similarly, chemicals released below ground surface (i.e., from below-ground piping) also would have migrated downward to the shallow groundwater. DNAPL, being denser than water, would continue deeper into the shallow groundwater zone, while some PAH compounds and benzene would dissolve into the groundwater. As a result, CoC concentrations in soil in many areas of the site are the highest at or immediately above the shallow groundwater surface. In areas where CoCs come in contact with groundwater, PAH compounds and benzene will continue to dissolve into shallow groundwater as it comes into contact with and moves through these contaminated soil areas.

Additionally, areas of contaminated soil in the vadose zone likely have contacted and will continue to contact precipitation that infiltrates at the ground surface, leaches contaminants, and migrates to groundwater. This infiltrating precipitation will leach chemicals into site groundwater to varying degrees, depending on constituent water-soil partitioning characteristics.

Hart Crowser (1997) recently reviewed the uses and potential uses of water in the area and reported the following findings, which indicated that site groundwater is unlikely to be used as a future source of drinking water:

> The site facilities and all surrounding properties are served by municipal water lines of the City of Renton and will continue to be in the future. A search of well records and water right files was made to identify any possible water supply uses in the area, either from a groundwater source or Lake Washington. No water supply wells within a mile of the site were identified in the Water Well Records. Only three water right filings were found in a search of Ecology's Recorded Water rights database; they included:
>
> - A groundwater right for industrial use on the J.H. Baxter property to the north;
> - A Lake Washington surface water right to Henry Strauss for property across the lake on Mercer Island permitted for lawn and garden use only; and
> - A Lake Washington surface water right to the Bellevue Sewer District for industrial sanitation use.
>
> Lake Washington water is no longer available for consumptive appropriation as it was closed in 1979 to further withdrawals by Chapter 173-508 WAC. It is highly unlikely Lake Washington water will be used in the future because of this closure. Furthermore, any use of the surface water would require some form of treatment for bacterial purification prior to use for drinking purposes. These data indicate that although Lake Washington is classified as a Suitable Source of Water Supply under Chapter 173-201A WAC, it is not currently used as such, and is highly unlikely to be used as such in the future.

Based on this evaluation, the groundwater transport pathway is complete only for transport to nearby surface water and potential impacts on ecological receptors or human receptors that might be exposed to the transported chemicals through such activities as consuming aquatic organisms. Direct use of groundwater is not currently occurring onsite, and the proposed restrictive covenants will preclude direct use of groundwater in the future.

3.3.2.5 Air Pathway

The air pathway involves the volatilization of chemicals from product (e.g., NAPL), soil, sediment, groundwater, or surface water into onsite and offsite air. The most likely onsite sources of CoCs in air are NAPL and affected soil and groundwater. To be considered a complete pathway, CoCs must volatilize and have a permeable or semipermeable pathway to onsite and/or offsite air. Site-specific conditions (e.g., the presence of lower permeability clay layers) and chemical-specific characteristics (e.g., the low volatility of PAH compounds) will limit the potential concentrations of CoCs in air.

3.3.3 Human Health Hazard Evaluation

The types of hazards to human health that were included in this risk evaluation reflect the primary hazards of concern identified in MTCA and relevant associated guidance, as well as site conditions and characteristics. As described in Section 3.3.1, *Constituents of Concern*, petroleum hydrocarbons, including PAH compounds and benzene, have been identified in onsite and surrounding area soil, sediment, and groundwater. Chemicals in groundwater may also migrate to adjacent surface water (i.e., Lake Washington). Standard procedures in the MTCA regulations yield numerical benchmark concentrations for individual chemicals in each of these environmental media. In this hazard evaluation, concentrations of chemicals in soil and groundwater are compared to numerical

benchmark values, where available, which include risk-based MTCA Method B formula values and ARARs.

MTCA regulations and associated guidance provide no specific numerical guidelines for evaluating the adverse human health effects of chemicals in sediments. Instead, the SMS (WAC 173-204) and Sediment Cleanup Standards (WAC 173-204, Part V) are used to evaluate chemical impacts on sediments.

In the MTCA framework for assessing chemical hazards, exposures of concern could occur through direct contact with chemicals in the environmental media of interest. In addition, MTCA requires evaluation of potential for cross-media contamination. Cross-media contamination would include chemical transport from soil to groundwater, or from groundwater to adjacent surface water and to the aquatic organisms residing in the surface water. Based on the relative quantity of DNAPL and affected soil observed, DNAPL in soil is most likely the principal source of ongoing effects to groundwater.

Based on consideration of site conditions and characteristics, the following categories of potential hazards were evaluated:

- Adverse human health effects associated with direct contact with soil
- Leaching of chemicals in soil to underlying groundwater
- Human health effects associated with consumption of aquatic organisms harvested from surface water (i.e., Lake Washington) adjacent to the site.

Where appropriate, available numerical benchmark values were used to assess these potential hazards. Other potential impacts that were evaluated using a qualitative approach included the following:

- Migration of chemicals in site groundwater to adjacent surface water

- Adverse human health effects associated with inhalation of chemical vapors that might volatilize from site soil and accumulate in onsite buildings.

Numerical benchmark values based on direct consumption of groundwater as a drinking water supply were not included in this evaluation. As discussed in Section 3.3.2, *Conceptual Site Model*, the groundwater underlying the property is not currently used as a drinking water supply or for other purposes and is not likely to be used as such in the future. Moreover, a deed restriction on the property will preclude direct use of groundwater as a drinking water supply or for other uses in the future (see Appendix D). However, as noted above, the potential for chemicals in groundwater to migrate to surface water and then into aquatic organisms that may be ingested by humans is considered in this risk evaluation. Migration of groundwater to adjacent surface water onsite has not been documented. However, groundwater modeling performed during previous studies indicated that this migration may be occurring (Hart Crowser 1997).

To compile the benchmark values used in these evaluations, the following sources were considered:

- Risk-based MTCA Method B formula values derived using the standard risk assessment algorithms specified in the MTCA regulations
- Applicable state and federal laws (i.e., ARARs).

The specific values that were used in each comparison are discussed in more detail in the following sections. In applying the available benchmark values in this evaluation, several conservative (i.e., protective) elements were incorporated into the analysis. First, where assumptions regarding land use influenced the benchmark values (e.g., for certain risk-based concentrations), values calculated assuming residential land use were applied. This land use category assumes a greater degree of exposure to soil than is assumed for other

land use categories. By contrast, the current use of the site is industrial, and proposed restrictive covenants and engineering controls will prevent direct contact with contaminated soil following site redevelopment. Consequently, consideration of benchmark values based on residential exposure conditions is a conservative approach that will likely exceed the MTCA requirement that cleanup decisions be based on reasonable maximum exposure (i.e., "the highest exposure that can be reasonably expected to occur for a human or other living organism at a site under current and potential future site use" [WAC 173-340-200]).

Also, in all cases where data were compared with numerical benchmark concentrations, maximum observed site and surrounding area concentrations were used as a conservative (i.e., protective) element of the analysis. Use of the maximum concentrations in these comparisons provides a worst-case indication of the potential risks associated with the site. Because the risk to a typical exposed individual or to a potentially affected environmental medium (e.g., groundwater underlying site soil) would reflect a combination of the overall distribution of concentrations observed at the site, use of the maximum concentration provides a conservative estimate of potential risks associated with the site.

The specific procedures used to assess each potential hazard and the results of the risk evaluation are discussed in more detail in the following sections.

3.3.3.1 Evaluation Based on Direct Contact with Soil

Under the MTCA framework, one of the primary hazards of concern for chemicals in soil is the potential for adverse health effects direct contact with and incidental ingestion of soil. To evaluate these effects, MTCA regulations and guidance specify a risk assessment methodology for deriving risk-based concentrations associated with these exposures (WAC 173-340-708). Under MTCA Method B, these risk-based concentrations or formula values for residential land use are calculated assuming that a

child (16 kg body weight) has daily contact with soil and incidentally ingests 200 mg of soil per day. These exposure assumptions are combined with numerical toxicity factors for individual chemicals to derive risk-based concentrations that can be used in screening site concentrations or setting cleanup levels.

For the CoCs considered to be carcinogenic (i.e., benzene and seven high-molecular-weight PAH compounds), these MTCA Method B formula values correspond to a target acceptable risk level of 1×10^{-6}, or one-in-one-million (WAC 173-340-745). This risk level represents the incremental probability that an individual may develop cancer over a lifetime as a result of the assumed exposure conditions. For chemicals associated with noncancer health effects, risk-based concentrations are calculated to correspond to a target hazard index level of 1 (i.e., the estimated exposure associated with the risk-based concentration would be equal to the acceptable exposure level reflected in the standard toxicity value for the CoC).

The numerical benchmark values for individual PAH compounds and benzene based on direct contact with soil are shown in Table 3-3 along with the maximum concentrations observed in site soil samples of each of these CoCs. As the table shows, the maximum concentration of benzene (4.4 mg/kg) is below the benchmark value of 34.5 mg/kg. However, maximum concentrations of all cPAH compounds and several noncarcinogenic PAH compounds exceed their respective benchmark values, indicating that PAH compounds may pose a concern for human health based on direct contact with soil.

The maximum observed concentrations of CoCs from the available site soil data were used in these comparisons. Actual exposures and risks would reflect a mix of the concentrations observed at various locations on the site and surrounding area, and would generally be less than those reflected by the maximum observed concentrations. Nevertheless, screening results indicate that PAH compounds have been detected in soil at levels of potential concern for direct contact with soil.

3.3.3.2 Evaluation Based on Potential Chemical Migration

In the MTCA framework, a second hazard of concern is the potential for cross-media contamination (i.e., the potential for chemicals to migrate from one environmental medium [e.g., soil] and contaminate another medium [e.g., groundwater]). The MTCA regulations focus on two forms of cross-media contamination: the potential for chemicals in soil to migrate to underlying groundwater, and the potential for chemicals in groundwater to migrate and discharge into surface water bodies. The MTCA regulations provide specific default assumptions and formula values for evaluating each of these potential pathways and impacts on these environmental media. Options are also provided for other types of evaluations, such as transport and fate modeling approaches. The specific approaches applied in this screening evaluation are described below.

Migration from Soil to Groundwater—To evaluate the hazard for chemicals in soil leaching to underlying groundwater, soil leaching concentrations that would be protective of groundwater were calculated and compared to site soil data in Table 3-3. These benchmark values were calculated using the default assumption presented in MTCA (i.e., target groundwater concentrations were multiplied by a factor of 100). This factor was applied to two possible target groundwater concentrations based on protection of surface water, as described below.

As shown in Table 3-3, the maximum concentrations of all CoCs except anthracene exceed one or both of the benchmark values for protection of groundwater based on the potential for migration to surface water. Consequently, benzene and PAH compounds (both carcinogenic and noncarcinogenic) have been detected at levels in soil that may pose a threat to groundwater that discharges into nearby surface water. This result is consistent with concentrations of these CoCs observed in groundwater, which are evaluated below.

Migration to Surface Water—Another transport pathway of concern in the MTCA framework (WAC 173-340-720(6)(d)) is the potential for chemicals in groundwater to migrate and be discharged to surface water. When groundwater is not directly used (e.g., as a drinking water supply), this pathway frequently becomes the benchmark for evaluating potential hazards associated with groundwater. This pathway can also influence evaluations of the protectiveness of soil concentrations based on consideration of chemical migration, as discussed above.

To prevent surface water contamination via groundwater discharge, MTCA requires that groundwater concentrations meet relevant surface water standards at the point of discharge to surface water. Thus, benchmark values for groundwater that are directly protective of surface water must be developed. As described in Section 3.3.2, *Conceptual Site Model*, surface water from Lake Washington is not a potential or future source of drinking water; however, aquatic organisms from Lake Washington could be collected for human consumption. Consequently, two types of benchmark values for the protection of human health based on consumption of freshwater aquatic organisms were applied to groundwater in this evaluation: MTCA Method B formula values for surface water, and ambient water quality criteria (AWQC) based on human consumption of organisms.

Table 3-4 compares the maximum concentrations of CoCs in groundwater samples collected on the site with the numerical benchmark values described above. As shown in the table, maximum concentrations of benzene and all seven of the cPAH compounds in groundwater exceed both the MTCA Method B formula values for surface water and the AWQC for protection of human health based on consumption of aquatic organisms. Also, maximum concentrations of two noncarcinogenic PAH compounds, benzo[ghi]perylene and naphthalene, exceed benchmark values for surface water protection, indicating that these PAH compounds and the class as a whole may pose a human health threat to surface water based on consideration of human receptors.

Groundwater Impacts to Sediments—MTCA requires that groundwater discharges shall not result in violations of the Sediment Quality Values published in WAC 173-204. Since no Sediment Quality Values for site CoCs in freshwater sediments have been published, this requirement does not apply to the Quendall Terminals site.

Other Potential Chemical Migration—Air transport can occur mechanically by wind dispersion of contaminated soil particles or by the volatilization of CoCs from the contaminated soil. Most of the CoCs that are found at the site have low volatility (i.e., vapor pressures of 1.05×10^{-4} to 7.24×10^{-12} ATM at ambient temperatures [Warchope and Getzen 1972, Mackay et al. 1980; May et al. 1983; Sonnefeld et al. 1983; Whitehouse 1984]) and thus will not generate significant concentrations in air. These include many of the constituents of DNAPL and PAH compounds.

Benzene, however, is a volatile compound and was recently evaluated for onsite and offsite air concentrations using soil vapor emission sampling and air dispersion modeling (Hart Crowser 1997). Benzene was not detected during soil vapor emission testing. Sampling and modeling indicate that benzene and other volatile compound concentrations in site soils and groundwater will not generate concentrations in air above regulatory thresholds using even worst-case meteorological conditions (Hart Crowser 1997). In addition, no benzene was detected in soil vapor samples in areas on the site that may serve as potential building areas. This eliminates the possibility of volatilized benzene accumulation to levels of concern in structures that may be built onsite (Hart Crowser 1997).

3.3.4 Environmental Hazard Evaluation

The primary focus of this evaluation was to identify SQS to assess potential remedial needs related to sediment at the site. The potential impacts on aquatic organisms of surface water concentrations or groundwater discharge to surface water were also

explored; however, for the chemicals present at the site, no surface water standards specifically addressing impacts on aquatic organisms were identified. Instead, standards based on protection of humans consuming aquatic organisms (as discussed above) were identified and are typically used to assess surface water quality for these chemicals.

The types of hazards to the environment that were included in this evaluation reflect the primary hazards of concern identified in the SMS. Sediment cleanup under MTCA is regulated by the SMS, promulgated under WAC 173-204. The SMS establish SQS, source control standards, and sediment cleanup standards to be applied in state-led remedial actions. While the SMS provide chemical concentration criteria and biological effects criteria for evaluation of marine sediments, the freshwater SQS have been reserved pending development of criteria specific to the protection of freshwater biota (WAC 173-204-340). The SMS empower Ecology to develop sediment criteria, methods, and procedures necessary to meet the intent of the SMS.

The CoCs in the sediments offshore of the Quendall Terminals site consist of PAH compounds and residual wood wastes. PAH compounds have been identified in the sediments offshore of the Quendall Terminals site at concentrations that exceed the possible sediment quality values identified by Ecology (1997). Ecology uses these possible sediment quality values to evaluate sediments in the interim until freshwater SQS are promulgated. Wood waste has been identified by Ecology as a potentially deleterious substance. Therefore, sediment affected by PAH compounds and wood waste will be addressed in the RAOs.

3.3.5 Summary

Benzene and PAH compounds were identified as CoCs in soil, sediment, and groundwater; wood waste was identified as an additional CoC in sediment. The primary hazards to human health posed by site-related CoCs are associated with direct contact

with CoCs in soil and chemical migration from soil to groundwater and potentially to nearby surface water.

Based on comparisons with standard benchmark risk-based concentrations, maximum chemical concentrations of all cPAH compounds and several noncarcinogenic PAH compounds in soil are greater than levels of human health concern for direct contact with soil and protection of groundwater based on the potential for migration to surface water. The maximum soil concentration of benzene exceeds the benchmark value for protection of groundwater based on the MTCA Method B formula value for surface water. In addition, maximum groundwater concentrations of benzene, cPAH compounds, and two noncarcinogenic PAH compounds exceed one or both benchmark values for protection of surface water based on human consumption of aquatic organisms. These pathways were identified as requiring RAOs and additional evaluation in the FFS, presented in the following sections.

Concentrations of PAH compounds in sediment exceed possible freshwater sediment quality values (Ecology 1997). In addition, wood waste in sediment has been identified as a potential deleterious substance. These sediment constituents were identified as requiring RAOs and additional evaluation. This evaluation is presented in the following sections.

3.4 Development of Remedial Action Objectives and Numerical Cleanup Standards

Based on the results of the human health and environmental hazard evaluation, RAOs were developed for the site and are presented in this section. RAOs are goals established for protecting human health and the environment and typically specify the potential exposure routes, receptors, and risk levels of concern. Some of the RAOs developed for the site are qualitative in nature (e.g., prevent direct human contact) and do not require identification of numerical cleanup standards, while other RAOs are based on achieving numerical cleanup standards. Decisions regarding development of qualitative or quantitative RAOs for each environmental medium were based on consideration of planned remedial and redevelopment strategies.

3.4.1 Development of Remedial Action Objectives

The results of the human health hazard evaluation indicate that concentrations of CoCs in soil exceed numerical benchmark concentrations based on direct contact with soil and protection of surface water via groundwater. Also, concentrations of CoCs in groundwater exceed numerical benchmark concentrations for surface water protection based on human consumption of aquatic organisms. Consequently, RAOs have been developed for the site to address these potential exposure pathways. Although groundwater and surface water are not used as drinking water sources and are highly unlikely to be used as such in the future, RAOs have been developed specifically to ensure that drinking water pathways remain incomplete. Because RAOs developed for groundwater based on surface water protection will inherently address potential impacts on surface water from soil via groundwater, an RAO developed specifically for soil to address potential impacts to surface water (or groundwater) is not necessary. This approach is reasonable because: 1) groundwater is not a direct exposure medium, 2) the impacts of affected groundwater on surface water are addressed under the groundwater RAOs, and 3) site data indicate that soil is a minor contributor to CoCs in groundwater compared to DNAPL.

The results of the environmental hazard evaluation indicate that PAH compounds have been identified in the sediments offshore of the Quendall Terminals site at concentrations that exceed the possible sediment quality values identified by Ecology (1997). In addition, Ecology has identified wood waste as a potential deleterious substance.

Based on the above considerations, RAOs have been developed for soil, groundwater, surface water, and sediment at the site. The specific RAOs for each of these media include:

- **Soil**
  - Prevent direct human contact with soil impacted by PAH compounds
  - Reduce the mass of DNAPL in site soils.
- **Groundwater**
  - Prevent the migration of benzene and PAH compounds from groundwater to adjacent surface water at concentrations that would exceed applicable surface water quality standards
  - Reduce the mass of DNAPL in site groundwater
  - Prevent use of groundwater as a drinking water source or for other direct uses.
- **Surface Water**
  - Prevent use of surface water as a drinking water source or for other direct uses.

- **Sediments**
  - Protect aquatic organisms from adverse biological effects that may occur from exposure to PAH compounds in sediments at concentrations in excess of applicable requirements for sediment quality
  - Protect aquatic organisms from adverse biological effects that may occur from exposure to wood waste in sediments.

3.4.2 Development of Numerical Cleanup Standards

Implementation of the RAOs for affected groundwater and sediments at the site requires the identification of numerical cleanup standards for these media. The RAO for preventing direct contact with PAH-contaminated soil will be achieved by covering all affected soil at the site with a clean soil cap or various redevelopment structures; consequently, the development of numerical soil cleanup standards from the benchmark values presented in Table 3-3 is not necessary for soil. For cleanup actions that involve containment of hazardous substances, Ecology may determine that the cleanup action complies with cleanup requirements, provided that the compliance monitoring program is designed to ensure the long-term integrity of the containment system and that the other requirements for containment technology set forth in WAC 173-340-360(8) are met.

The development of numerical cleanup standards for groundwater and sediment is described below.

3.4.2.1 Groundwater Cleanup Standards

MTCA provides three methods for developing cleanup standards: Method A (routine method), Method B (standard method), and Method C (conditional method). Each

method specifies a different process for developing cleanup standards. As stated in WAC 173-340-705, Method B is the standard method intended for use at all sites and "shall be used to develop cleanup levels unless one or more of the conditions for using Method A or Method C are demonstrated to exist and the person conducting the cleanup elects to utilize that method." MTCA Method B was selected for use at this site in developing groundwater cleanup levels.

In developing groundwater cleanup standards for the Quendall Terminals site under Method B, the following types of potential cleanup standards were considered:

- Applicable state and federal laws (ARARs)
- Risk-based concentrations
- Concentrations in groundwater that are protective of surface water
- Concentrations in groundwater that are protective of sediments
- The practical quantitation limit (PQL) for measurement of CoCs in groundwater.

Relevant values from these categories were collected or developed for each CoC detected in groundwater at the site, as described below, where necessary data (e.g., ARARs or toxicity factors) were available. As described in WAC 173-340-700(6), "where cleanup levels are below the Practical Quantitation Limit, compliance with cleanup standards will be based upon the Practical Quantitation Limit." PQLs for the CoCs are shown in Table 3-5, and have been incorporated into the development of the cleanup standards.

As noted in Section 3.3.3, *Human Health Hazard Evaluation*, the groundwater underlying the site is not currently used as a drinking water supply or for other purposes, and it is unlikely to be used as such in the future. Moreover, a deed restriction on the site will also preclude the use of groundwater as a drinking water supply in the future (see Appendix D). Thus, cleanup standards based on such use of groundwater are not

appropriate for this site. Instead, cleanup standards for groundwater are based on protection of surface water quality consistent with the numerically based RAO identified above. To prevent surface water contamination via groundwater discharge, MTCA requires that concentrations of CoCs in groundwater meet relevant surface water cleanup standards at the point of discharge.

As shown in Table 3-5, two types of AWQC were identified as ARARs based on protection of surface water; one criterion is designed to protect human populations consuming aquatic organisms, and the other criterion is designed to protect freshwater aquatic organisms. For the CoCs identified for this site, no AWQC for protection of freshwater aquatic organisms are available. Consequently, the only ARARs identified as potential cleanup standards for groundwater are based on protection of surface water as a source of aquatic organisms for human consumption.

As noted above, risk-based concentrations were also considered in the selection of groundwater cleanup standards. MTCA Method B formula values are risk-based concentrations calculated using the risk equations and assumptions presented in MTCA. These values are derived assuming exposure to only a single chemical. The MTCA Method B formula values shown in Table 3-5 are risk-based concentrations for surface water, which assume that human populations ingest chemicals that have bioaccumulated in edible fish or shellfish.

For each CoC, the most stringent ARAR (i.e., AWQC), risk-based concentration (i.e., MTCA Method B formula value), or PQL was selected as the proposed cleanup standard (Table 3-5). In applying these individual standards to future groundwater compliance monitoring, a groundwater sample will be considered out of compliance if any one of these CoCs is detected at a concentration exceeding its respective cleanup standard. Moreover, where risk-based concentrations are used as cleanup standards and more than one CoC is detected in a sample during compliance monitoring, MTCA requires that the combined risk associated with multiple chemical exposure be evaluated (see below) to ensure that total risks presented by site exposures following cleanup do not

exceed the target levels established in MTCA. Under MTCA Method B, the total risk level presented by exposures to all carcinogenic chemicals present at a site following cleanup should not exceed the target value of 1×10^{-5} (i.e., a one-in-one-hundred-thousand incremental risk of developing cancer over a lifetime of exposure). For noncarcinogenic health effects, the target hazard index is 1 (i.e., an estimated exposure level equal to the reference dose) for combined exposures to all noncarcinogenic chemicals producing the same type of toxic response.

For carcinogens, the MTCA Method B formula values correspond to a 1×10^{-6} (one-in-one-million) risk of developing cancer. Because there are a total of eight CoCs at this site that are considered carcinogenic (i.e., benzene and the seven cPAH compounds), the total incremental risk would not exceed 8×10^{-6} (less than the target total of 1×10^{-5}) if exposures to all of the carcinogenic CoCs occurred at levels equal to or less than the individual Method B formula values. Alternatively, as allowed by MTCA, compliance is assessed using the PQLs for those compounds for which the PQL has been identified as the cleanup level. Thus, any groundwater compliance sample meets target risk levels for carcinogenic effects under MTCA as long as all carcinogenic CoCs meet the individual cleanup standards shown in Table 3-5.

For noncarcinogens, the MTCA Method B formula values for each individual chemical correspond to a hazard index equal to 1.[2] Consequently, in determining the compliance of any groundwater sample where more than one noncarcinogenic PAH compound is detected, the ratio of the observed concentration to the MTCA Method B formula value is calculated for each noncarcinogenic PAH compound. Because the noncarcinogenic PAH compounds are presumed to produce the same type of toxic response or affect the same target organ(s), the sum of these ratios equals the hazard index associated with potential exposure to these multiple chemicals:

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[2] Six of the ten noncarcinogenic PAH compounds identified as CoCs at the site have Method B formula values available. Acenaphthylene, benzo[ghi]perylene, 2-methylnaphthalene, and phenanthrene do not have Method B formula values due to a lack of toxicity factors for these chemicals.

$$\sum_{i=0} \frac{\text{observed concentration}_i}{\text{MTCA Method B formula value}_i} + \cdots + \frac{\text{observed concentration}_n}{\text{MTCA Method B formula value}_n} = \text{hazard index}$$

If the resulting hazard index from the above algorithm exceeds 1 (i.e., the target hazard index for combined exposures), the sample is considered out of compliance.

3.4.2.2 Sediment Cleanup Standards

The following discussion summarizes the site-specific sediment cleanup levels developed with Ecology and other resource agencies for sediments offshore of the Quendall Terminals site. Sediment Quality Standards (SQS) under the SMS correspond to sediment quality that will result in no adverse effects, including acute or chronic adverse effects on biological resources and human health (WAC 173-204-320). Ecology has used the Apparent Effects Threshold (AET) approach to establish marine sediment quality values protective of biological resources. An AET is defined as the sediment concentration of a given chemical above which a particular adverse biological effect is expected to be statistically significant ($P<0.05$), relative to appropriate reference conditions (Barrick et al. 1988). Examples of adverse biological effects include a decline in the abundance of indigenous benthic infauna, or acute or chronic toxicity to organisms exposed to contaminated sediments in a standard toxicity test. The establishment of an AET requires a data set of synoptically collected chemical and toxicity test data over a broad range of concentrations of the constituent of interest. Ecology has developed freshwater sediment AETs, but they have not been proposed as the basis for freshwater sediment chemical criteria (Ecology 1997).

To conform with state standards and the intent of the SMS, a sediment cleanup value for total PAH compounds was developed for the Quendall Terminals site sediments following the AET approach. Wood waste is not amenable to a similar approach under the SMS; however, Ecology may designate excessive wood waste as "other deleterious

substances" and can require cleanup on a case-by-case basis (WAC 173-204-520(5)). At Ecology's discretion, the cleanup criterion for wood waste may be established based on specific site conditions.

3.4.2.3 Total Polycyclic Aromatic Hydrocarbons in Sediment

A site-specific AET for total PAH compounds was determined by RETEC (1997b) using paired sediment chemistry and toxicity test data from earlier studies conducted by Ecology at the Quendall Terminals site. The sediment toxicity tests were conducted by Ecology using *Hyalella azteca*, *Daphnia magna*, *Ceriodaphnia dubia*, *Chironomus tentans* (acute and chronic exposures), and Microtox®. Using the results from these tests, RETEC (1997b) calculated AETs for each test endpoint.

The only tests for which it was possible to determine a discrete AET value were the acute *H. azteca* test and the Microtox® test. The acute *H. azteca* test demonstrated the most consistent dose-response relationship for total PAH compounds and yielded an AET for total PAH compounds of 128 mg/kg dry weight. Because the data set did not include other sediment samples with total PAH concentrations close to this value (i.e., the sample with the next lowest concentration, 29.2 mg/kg dry weight, did not cause significant toxicity; the sample with the next highest concentration, 345 mg/kg dry weight, did cause significant toxicity), there is some uncertainty associated with this AET value. If other sediment samples had been available within this concentration range, the only possible effect would have been to raise the AET value (i.e., for a sample with a total PAH concentration lower than 128 mg/kg dry weight, the result for the sample with 128 mg/kg dry weight would still have set the AET; for a sample with a total PAH concentration greater than 128 mg/kg dry weight, a finding of significant toxicity would not have changed the AET, but a finding of no effect would have caused that sample to set the AET).

It should be recognized that the mortality endpoint used in the acute *H. azteca* test is considered to be rather insensitive relative to other endpoints and test species, particularly because this amphipod species is not an obligate sediment dweller (i.e., it can reduce its exposure by avoiding contact with the sediments and remaining in the water column). Thus, the AET derived using the *H. azteca* test may not provide appropriate predictions of sublethal effects in benthic species. By comparison, the Microtox® test was more sensitive (i.e., the AET value was lower, 29.2 mg/kg dry weight).

The AET for total PAH compounds developed for the Quendall Terminals site using the *H. azteca* test is conservative when compared with the freshwater sediment AETs developed by Ecology (1997) using data from a variety of studies. The AETs reported by Ecology (1997) for total PAH compounds were 700 mg/kg dry weight for *H. azteca* (based on 138 sediment samples) and 170 mg/kg dry weight for Microtox® (based on 25 sediment samples). Thus, the AET for total PAH compounds developed for the Quendall Terminals site (128 mg/kg dry weight) was lower than either of the AETs developed by Ecology (1997) using a much larger database. This suggests that the site-specific 128 mg/kg dry weight AET is a conservative (i.e., environmentally protective) estimate of a "no adverse effects" level for evaluation of sediment contamination at the Quendall Terminals site. As a result of negotiations with Ecology and other resource agencies, it was decided to introduce a further degree of conservatism by selecting a site-specific cleanup value for total PAH compounds lower than the AET value. This site-specific cleanup value (100 mg/kg dry weight total PAH compounds) has been accepted by Ecology (Turvey 1997, pers. comm.).

To put this site-specific cleanup value into context, it should be recognized that the marine sediment standards of the SMS contain two sets of chemical criteria. The SQS values, as indicated earlier, essentially represent "no adverse effects" criteria. Another set of chemical criteria, the cleanup screening levels (CSL), are generally higher than the SQS values and are used to determine whether sediments are sufficiently contaminated to require remediation. Although Ecology has not yet promulgated freshwater sediment

criteria, it can be assumed by analogy with the marine sediment standards that a similar two-tier criteria system would be appropriate.

In the absence of promulgated freshwater sediment criteria, Ecology (1997) has suggested two possibilities for generating "no adverse effects" criteria for evaluating freshwater sediments. These are the lowest AET (LAET) value from the *H. azteca* and Microtox® data sets or the probable AET (PAET) value, defined as the 95th percentile of the "no hit" concentrations above the lowest "hit" concentration for either the *H. azteca* or Microtox® data sets. For total PAH, the LAET value is 170 mg/kg dry weight and the PAET value is 60 mg/kg dry weight. Thus, the site-specific cleanup value for the Quendall Terminals sediments (100 mg/kg dry weight) is approximately midway between these two values. There has been no attempt to define criteria for freshwater sediments representative of a CSL. By analogy with the marine sediment standards, however, it could be expected that a value representative of a CSL for freshwater sediments would be higher than these essentially "no adverse effects" levels. Hence, the site-specific cleanup value for total PAH compounds in the Quendall Terminals sediments (100 mg/kg dry weight) is similar to other sediment quality guidelines developed by Ecology that are intended to be protective of benthic invertebrates.

To further evaluate the environmental protectiveness of the site-specific cleanup value for total PAH compounds in the Quendall Terminals sediments, comparisons can be made to sediment quality guidelines derived independently elsewhere in the country. As part of ongoing efforts to revise and develop national sediment quality guidelines based on equilibrium partitioning, EPA has proposed a sediment quality criterion for total PAH compounds of 6.04 μmol/g organic carbon (U.S. EPA, unpublished). This value is expressed on a *molar* basis because it is believed that the nonspecific mode of toxic action (i.e., narcosis in benthic invertebrates) exhibited by this class of chemicals is proportional to the number of molecules involved in the exposure (i.e., molecules of the different PAH compounds are equally capable of producing the effect, and their effects are additive). This criterion is said to "discriminate sediments that represent background conditions from those with an intermediate probability of adverse effects" (U.S. EPA,

unpublished). If expressed on a molar basis, the site-specific cleanup value developed for the Quendall Terminals sediments (100 mg/kg dry weight) is equivalent to 10 μmol/g organic carbon (assuming an average total organic carbon concentration of 5 percent in the PAH-contaminated sediments and using the approximate molecular weight for a three-ring PAH compound of 200 μg/μmol). Thus, the estimated molar equivalent total PAH concentration proposed as the site-specific cleanup value for the Quendall Terminals sediments is roughly equivalent to the national sediment quality guideline undergoing development by EPA (i.e., 10 μmol/g organic carbon versus 6.04 μmol/g organic carbon, respectively).

In a recent study, Boese et al. (1998) investigated the photoinduced toxicity of parent and alkylated PAH compounds in sediments. The marine infaunal amphipod *Rhepoxynius abronius* was first exposed in standard 10-day toxicity tests to sediments that had been spiked with known concentrations of various parent and alkylated PAH compounds. After the exposures, mortalities (LC_{50} values) and the ability of the survivors to rebury in control sediment (EC_{50} values) were determined. Survivors of these initial toxicity tests were then exposed to ultraviolet radiation in an environmental growth chamber for 1 hour. After the ultraviolet exposure, LC_{50} and EC_{50} values were again calculated.

Initial LC_{50} values varied among the various compounds tested (range of LC_{50} values from 10.6 to 233 μmol/g organic carbon). Initial EC_{50} values also varied among the various compounds tested, and were similar to the LC_{50} values (range of EC_{50} values from 10.6 to 227 μmol/g organic carbon). Following the ultraviolet exposures, the range of LC_{50} values (10.5 to 230 μmol/g organic carbon) was similar to the pre-exposure LC_{50} values, but the lower end of the range of EC_{50} values decreased (range of EC_{50} values from 1.4 to 223 μmol/g organic carbon).

The authors concluded that some of the parent and alkylated PAH compounds taken up from the sediments by the amphipods became more toxic upon exposure to ultraviolet wavelengths. They believe that the enhanced toxicity is likely attributable to the internal production of singlet oxygen upon photoactivation of the bioaccumulated contaminants.

It is of interest to note that the lower end of the range of both initial LC_{50} and EC_{50} values (10.6 μmol/g organic carbon) was similar to the molar equivalent total PAH concentration proposed as the site-specific cleanup value for the Quendall Terminals sediments (10 μmol/g organic carbon). Although the lower end of the range of EC_{50} values following ultraviolet exposure was an order of magnitude lower (i.e., 1.4 μmol/g organic carbon), the ecological relevance of such a value is highly questionable. In the environment, ultraviolet wavelengths are rapidly absorbed by water, such that relatively little ultraviolet radiation penetrates natural bodies of water to depths of more than a few centimeters. Amphipods dwelling near the sediment interface under a foot or more of water would be exposed to very little ultraviolet radiation, whereas the amphipods in the experiments of Boese et al. (1998) were exposed to ultraviolet radiation in petri dish lids only 7 mm deep. Hence, the initial LC_{50} and EC_{50} values of Boese et al. (1998) are likely the more relevant comparison with the Quendall Terminals value.

In a recent review article, Swartz (1999) compared a wide variety of sediment quality guidelines for PAH compounds that have been derived from diverse laboratory, field, and theoretical foundations. He found that when expressed as a mixture concentration (i.e., total PAH compounds), the guidelines form three clusters that were intended in their original derivations to represent threshold, median, and extreme effects concentrations (referred to as TEC, MEC, and EEC). The arithmetic means of the values within each of these three clusters were represented as the consensus TEC, MEC, and EEC values (290, 1,800, and 10,000 μg/g organic carbon). Using the approximate molecular weight for a three-ring PAH of 200 μg/μmol, the molar equivalent concentrations of these values are 1.45, 9, and 50 μmol/g organic carbon.

According to Swartz (1999), total PAH concentrations below the TEC (equivalent to 1.45 μmol/g organic carbon) would be unlikely to cause adverse effects on benthic ecosystems. Conversely, Swartz (1999) indicates that total PAH concentrations above the EEC (equivalent to 50 μmol/g organic carbon) would almost certainly cause adverse effects. The region of greatest uncertainty lies at total PAH concentrations in the range between the TEC and EEC, which represents a broad gradient of sediment contamination

along which adverse effects are increasingly more probable. According to Swartz (1999), the MEC (equivalent to 9 μmol/g organic carbon) is simply a point near the middle of this gradient and, therefore, should not be used to discriminate acceptable from unacceptable conditions. It is of interest to note that Swartz's (1999) MEC (equivalent to 9 μmol/g organic carbon) is similar to the molar equivalent total PAH concentration proposed for the Quendall Terminals sediments (10 μmol/g organic carbon).

Swartz (1999) concluded that bulk sediment chemistry cannot resolve the uncertainty regarding toxicity and ecological effects at TPAH concentrations between the TEC and EEC, but that the issue could be resolved through the collection of independent empirical data on sediment toxicity and benthic communities. Therefore, the conduct of additional sediment toxicity tests with Quendall Terminals sediments will be necessary to reduce the uncertainty associated with predicting adverse effects on benthos based only on comparisons with the site-specific total PAH compound cleanup value.

Ecology has also expressed concern that the site-specific cleanup value selected for total PAH compounds in the Quendall Terminals sediments should be protective of fish, especially juvenile salmon, that may frequent the site. Unlike the situation with sediment quality guidelines developed for the protection of benthic invertebrate communities, however, there have been few efforts to develop sediment quality guidelines for the protection of fish.

Horness et al. (1998) recently used "hockey stick" regressions for identifying sediment quality thresholds for total PAH compounds on the basis of associations with liver lesions in English sole. The hockey-stick regression approach is predicated on the collection of paired samples of English sole and sediments. Horness et al. (1998) assembled a set of 29 such paired samples from all over the West Coast, encompassing a broad range of sediment contamination. The English sole were examined by histopathologists to assess the prevalence of various liver lesions believed to be associated with exposure to chemical contaminants. Sediments collected from the immediate vicinity of the locations where the fish were collected were analyzed for total PAH compounds. The prevalence

of each type of liver lesion was then plotted as a function of the concentration of total PAH compounds in the associated sediment samples. The resulting plots are said to resemble hockey sticks because there appears to be a bend in the regression line (i.e., at low sediment concentrations of total PAH compounds, the prevalence of the liver lesion is low and apparently unaffected by the total PAH concentration; at some threshold concentration, the prevalence begins to increase with increasing concentrations of total PAH). Hockey-stick regression methods were used by Horness et al. (1998) to identify these threshold sediment concentrations of total PAH compounds for each type of liver lesion.

Even for the English sole, the significance of the results is questionable. Among the five regressions discussed, only four demonstrated a statistically significant relationship. Among those four, the confidence limits about the sediment quality thresholds for two were very broad, encompassing nearly three orders of magnitude in the concentration of total PAH compounds. Although the confidence limits about the sediment quality thresholds identified for the other two were much narrower, they were still approximately half an order of magnitude. The range of the sediment quality thresholds identified by this method for total PAH compounds (230–2,800 μg/kg dry weight) is far below the LAET values for Puget Sound (5,200 μg/kg dry weight for low molecular weight PAH [LPAH] compounds and 12,000 μg/kg dry weight for high molecular weight PAH [HPAH] compounds). (Direct comparisons of these values should be interpreted with caution because Horness et al. [1998] used a different set of compounds in their definition of LPAH and HPAH compounds than were used in development of the AET values.) Furthermore, the sediment quality thresholds identified by the hockey-stick regressions are within the range of total PAH concentrations observed in Puget Sound reference areas (i.e., the range of LPAH concentrations in Puget Sound reference areas is 1.4–1,100 μg/kg dry weight and the range of HPAH concentrations in Puget Sound reference areas is 2.5–2,300 μg/kg dry weight; Pastorok et al. 1989). The extreme sensitivity of such thresholds raises the question of their applicability to sediment management decisions. That is, if the thresholds supposedly associated with adverse

effects are similar to natural background concentrations, it is inconceivable that they would be of any use in making decisions about the potential need for sediment cleanup.

Application of the hockey-stick regression method to the development of numerical sediment criteria for the protection of English sole may have some intuitive merit because these fish live in contact with the sediments, they are relatively sedentary, and they tend to remain in a given area for extended periods. Therefore, comparing the prevalences of liver lesions in the fish with chemical concentrations measured in sediments collected from the same locale might be of interest. It should be noted, however, that this method has not been applied in any published study to Puget Sound fish other than English sole or to chemicals other than total PAH compounds. It should also be recognized that these regressions do not prove cause and effect. The chemical causing the liver lesions could be one that covaries with total PAH compounds, and it is entirely possible that better regressions would be achieved if the researchers had examined any chemicals other than total PAH compounds.

Moreover, even if there were not some uncertainty in the derivation of sediment quality guidelines using the hockey-stick regression method on English sole liver lesion data, application of those guidelines for the protection of juvenile salmon is questionable, because the young salmon inhabit the water column rather than the bottom and they are much more mobile and less likely to remain in a specific locale for an extended period. Although a similar approach could be applied to the derivation of sediment quality guidelines specifically protective of juvenile salmon, no studies of such an effort have been published to date. In fact, such an approach is unlikely to yield meaningful results because sediment samples collected from the immediate vicinity of where the fish were collected may not be indicative of the exposure regime these fish have experienced. This is likely to introduce additional variability that would make the identification of discrete sediment quality thresholds more difficult. Hence, application of a similar approach to the derivation of sediment quality guidelines protective of juvenile salmon is unwarranted.

Researchers at the National Marine Fisheries Service in Seattle (NMFS) have recently expressed the opinion that a sediment quality guideline of 2 mg/kg dry weight for total PAH compounds should be used as a threshold for adverse effects on fish, notably juvenile salmon. However, the researchers have not offered any scientific basis for the derivation of such a guideline. Furthermore, as noted earlier, this value is at the upper end of the range of total PAH concentrations in Puget Sound reference areas. The extreme sensitivity of the threshold proposed by the NMFS researchers makes it doubtful that it would be of any use in making decisions about the potential need for sediment cleanup.

The fact that there have been no sediment quality guidelines developed for the protection of juvenile salmon is, at least in part, a result of the limited potential for adverse effects associated with their exposure to chemicals in sediments. In the absence of such guidelines, sediment quality guidelines protective of their prey, such as benthic invertebrates, may be used for ensuring (albeit indirectly) protection of the fish. It has been shown that the site-specific sediment cleanup value developed for total PAH compounds at the Quendall Terminals site (100 mg/kg dry weight) is similar to other guidelines developed using other approaches. This provides confidence that this value should be protective of the benthic invertebrate community at the site, thereby ensuring that the prey of juvenile salmon are not adversely affected.

There are two areas with shallow sediments whose total PAH concentrations exceeded the site-specific cleanup level (100 mg/kg dry weight) (Figure 2-10a): offshore sediments at the end of the T-dock and nearshore sediments at the foot of the T-dock. Offshore sediments with total PAH concentrations greater than the cleanup level were generally found between the surface and 3.5 ft below the mudline. Nearshore sediments at the foot of the T-dock were found to exceed the cleanup level down to 1.5 ft below the mudline.

Two areas of deep sediment contamination were detected during Phase II sampling. The first of these was within the area of nearshore PAH contamination at the foot of the

T-dock. Subsurface areas to the north of the T-dock were found to contain DNAPL between 2 and 10 ft below the mudline at Station VS-30, and between 16.5 and 17 ft below the mudline at Station VS-4(1) further offshore. These two areas of deep contamination will be addressed as part of the upland remediation. The RAO for T-dock and nearshore sediments is the removal (i.e., dredging) of those areas with sediment concentrations that exceed 100 mg/kg dry weight for total PAH compounds.

3.4.2.4 Wood Waste in Sediment

A joint issue paper on wood waste (Kendall and Michelsen 1997) was recently prepared on behalf of the Dredged Materials Management Program (DMMP) and the Washington State SMS Cleanup Program. The issue paper represents the policy of the DMMP agencies (the U.S. Army Corps of Engineers, EPA, Ecology, and the Washington State DNR) regarding the management of wood waste as dredged material. The paper also presents Ecology's position regarding management of wood waste under the SMS. The paper states that under the SMS, Ecology is not proposing specific numerical standards for wood waste (i.e., such as a criterion for total organic carbon content), but rather will determine site-specific cleanup requirements for wood waste based on toxicity test results.

For Quendall Terminals, the resource agencies agreed that sediments with wood waste concentrations greater than 50 percent, as defined by Sediment Vertical Profile Imaging and video transects, would be removed by dredging without further biological testing. However, for sediments having less than 50 percent wood waste, it was agreed that the current assumption is that these sediments would be capped; however, before construction of the cap, toxicity testing will be performed in the summer of 2000 to determine whether sediments are causing significant deleterious effects and whether the area to be capped could be reduced based upon the test results.

The extent of wood waste in sediments offshore of the Quendall Terminals site was evaluated during RETEC's Phase I and Phase II investigations using a combination of Sediment Vertical Profile Imaging and video transects. The principal area of sediments containing greater than 50 percent wood waste was identified as an area of approximately 18,750 yd^2 located offshore of the Quendall Terminals log dump (Figure 2-14).

Areas where the sediments contain less than 50 percent wood waste are indicated as gray hatchmarks in Figure 2-14. Within this "gray zone," RETEC conducted acute and chronic toxicity tests to determine if there were any deleterious effects associated with the wood waste. RETEC conducted three different toxicity tests with "gray zone" sediments: 1) a 10-day acute toxicity test using the midge *Chironomus tentans*, with mortality and weight gain endpoints; 2) a 10-day acute toxicity test using the amphipod *Hyalella azteca*, with mortality and weight gain endpoints; and 3) a 42-day chronic toxicity test using the amphipod *Hyalella azteca*, with mortality and reproduction endpoints. All of the tests represent whole-sediment toxicity tests. The *Chironomus tentans* 10-day test provided the only valid test data. The *Hyalella azteca* 10-day acute toxicity test did not meet quality assurance guidelines because the laboratory performing the test used less than the prescribed number of replicate samples (i.e., 2 rather than the 8 required by the test protocol) and the resulting data lacked sufficient statistical power for decision-making. After only 28 days in the 42-day toxicity test, the survival of *Hyalella azteca* was poor for both control and reference sediments (32.5 percent and 49.2 percent survival, respectively). Consequently, the 42-day toxicity test was terminated without yielding data that could be used in decision-making.

The results of the *Chironomus tentans* toxicity test suggest that wood waste materials in the "gray zone" are not causing acute toxic effects. However, the results of a second valid acute toxicity test are necessary to support this interpretation, and the *Hyalella azteca* 10-day test did not yield acceptable results. In addition, the chronic toxicity test using *Hyalella azteca* was terminated without yielding valid results because of high mortality in the control and reference samples. In the absence of reliable data from a suite of sediment toxicity tests, the agencies have requested that a new suite of toxicity

tests be conducted on sediment samples to be collected from the "gray zone," where wood waste concentrations are less than 50 percent. This will be done prior to deciding on the need for remediation of that area, or to determine whether a reduced capping area in the "gray zone" would still be protective.

3.4.3 Summary of Development of Cleanup Standards

Numerical cleanup standards were identified for affected groundwater and sediments at the site. The numerical cleanup standards for groundwater are shown on Table 3-5. The site-specific numeric cleanup levels for PAH-affected sediments were established using the AET approach to identify the sediment quality that will result in no adverse effects, including acute or chronic adverse effects on biological resources and human health (WAC 173-204-320). The cleanup levels for wood waste were developed with Ecology based on WAC 173-294-520(5).

The site-specific numerical cleanup level for total PAH in sediments is 100 mg/kg dry weight. Sediments with greater than 50 percent wood waste will be removed. Sediments having less than 50 percent wood waste will be capped, unless toxicity testing to be performed in the summer of 2000 demonstrates that these sediments are not causing significant deleterious effects. In the latter case, the area to be capped could be reduced based upon the toxicity test results.

Numerical cleanup standards were not identified for soil because the proposed cleanup action includes capping of residual contaminated materials. Where cleanup actions involve containment of hazardous substances, Ecology may determine that the cleanup action complies with cleanup standards (WAC 173-340-360(8)).

3.5 Technology Identification and Screening

This section identifies and screens selected technologies that are potentially applicable for remediation of soils, groundwater, and sediments at the Quendall Terminals site. The media-specific technologies were selected on the basis of the nature, type, and extent of contamination present at the site. In addition to the media-specific remediation technologies, sitewide monitoring and institutional control measures are identified and discussed. Table 3-6 summarizes the remediation technologies identified for evaluation.

A screening-level evaluation is provided to assess each media-specific technology in terms of the technology's probable effectiveness at achieving site RAOs, and in terms of the criteria specified by MTCA (WAC 173-340-360). This evaluation ensures that the most appropriate and representative technologies are carried forward for further evaluation in the cleanup action plan (Exponent 1999). Specific criteria used in the screening evaluation include:

- **Effectiveness**—The ability of the technology to meet RAOs, provide a permanent solution, address site-specific conditions, and minimize potential impacts on human health and the environment during implementation.
- **Implementability**—The technical and administrative feasibility of implementing the technology (e.g., administrative considerations include the ability to obtain permits and the availability of workers, equipment, disposal services, and supplies).
- **Cost**—The estimated capital and operation and maintenance costs of the technology.

Results of the screening of remediation technologies for soil, groundwater, and sediments are summarized in Tables 3-7 through 3-9. Specific applications of a given technology at the Quendall Terminals site are identified, as appropriate. Based on the screening

evaluation, the most promising technologies were retained for potential incorporation into the cleanup action plan.

3.5.1 Soil Remediation Technologies

This section discusses technologies potentially applicable for remediation of contaminated soils at the Quendall Terminals site. As discussed in Section 1.1, PAH compounds, benzene, and DNAPL contamination have been identified in soils at the site. The remediation technologies presented in this section include excavation, thermal desorption, incineration, bioremediation, offsite landfill disposal, soil washing, stabilization/solidification, capping, soil flushing, *in situ* vitrification, and bioventing. Brief descriptions of each of these alternative technologies are presented along with a discussion of implementation implications for the Quendall Terminals site.

3.5.1.1 Excavation

Description of Technology—Excavation involves the use of conventional construction equipment (e.g., backhoe, front-end loader) to remove contaminated soil and clean overburden. Excavation may include shoring, localized control of groundwater and surface water, segregation and stockpiling of excavated clean overburden and contaminated soil, and backfilling and regrading. Much of the contaminated soil would require dewatering prior to treatment or disposal, and the water produced from dewatering would likely require treatment prior to disposal. Excavation of contaminated soils for *ex situ* treatment or disposal increases the potential for short-term exposure of workers to site contaminants.

are used to volatilize contaminants from excavated soils, and the contaminant vapors are transferred to a gas treatment unit. Thermal oxidation is the most common and preferred gas treatment process, although other technologies such as carbon adsorption are also used. Thermal desorption results in a permanent reduction in contaminant volume, mobility, and toxicity. The process is often sufficiently effective to allow the treated soils to be used as backfill in the excavated areas.

Thermal desorption can be accomplished using onsite mobile units or at nearby offsite fixed-base units. Onsite units require that sufficient space is available at the site for the treatment unit and for contaminated and clean soil stockpile areas. Feed rates to onsite units typically range from 20 to 90 tons per hour, and treatment costs range from $40 to $50 per ton, assuming large volumes of soil are being treated. Thermal desorption at an offsite facility would require an area for stockpiling contaminated soil, as well as an area for imported clean fill. Offsite treatment of contaminated soils also would require transport, likely via truck along public streets. As such, haul roads and traffic patterns would have to be established and maintained. The estimated cost for offsite treatment at the TPS facility in Tacoma, Washington, is $40–$50 per ton, including transportation.

Screening Evaluation—Thermal desorption is a proven and cost-effective technology that is readily available and moderately simple to implement. The thermal desorption process results in a permanent reduction in contaminant volume, toxicity, and mobility. Onsite thermal desorption units can be used to eliminate the costs associated with transport of contaminated soils and clean fill to and from the site. Thermal desorption is often capable of achieving a sufficient reduction in contaminant concentration to allow the treated soils to be used as backfill in the excavation areas, thereby limiting costs associated with purchase of imported clean fill materials. Thermal desorption is retained for further consideration.

3.5.1.4 Bioremediation (Landfarming)

Description of Technology—Bioremediation via landfarming is a demonstrated technology that has been widely used at wood treatment facilities to mitigate soils contaminated with PAH compounds and creosote. During the landfarming process, contaminated soils are excavated and spread over a prepared treatment bed. Careful control of nutrient concentrations, moisture levels, and oxygen content is maintained in the treatment bed soils, accelerating microbial bio-oxidation of the organic contaminants. The soils are treated in shallow lifts, which are removed from the treatment bed once specified treatment goals have been achieved. The process has been reported to achieve contaminant destruction efficiencies ranging from 50 to 90 percent—achieving a permanent reduction in contaminant volume, mobility, and toxicity. Costs for landfarming typically range from \$30 to \$40 per yd^3. Typically, 500 to 4,000 yd^3 of soil can be treated per acre of treatment bed, over a treatment period of 6 months to 1 year.

Screening Evaluation—Landfarming bioremediation of organic contaminants leads to a permanent reduction in contaminant volume, toxicity, and mobility, thereby reducing the long-term potential exposure to site contaminants. The potential for short-term exposure of workers to the contaminants exists, however, throughout the excavation and landfarm treatment process. Bioremediation typically is not as effective as thermal treatment techniques, and is not significantly less costly than thermal desorption. More importantly, landfarming requires an extended treatment period (e.g., 6 months to 1 year) to achieve a significant reduction in contaminant concentration, and is thus incompatible with the desired remediation schedule for the Quendall Terminals site. Landfarming is not retained for further consideration.

3.5.1.5 Offsite Landfill Disposal

Description of Technology—Contaminated soils excavated from the Quendall Terminals site can be disposed in an appropriately permitted offsite landfill. These landfills are secure, lined facilities designed to contain contaminated materials and to prevent contact with human or ecological receptors, thereby providing long-term protection of human health and the environment. Landfill disposal does not reduce contaminant volume, toxicity, or mobility, and there is a potential for short-term exposure of workers to the contaminants during excavation and handling of the contaminated soils. Offsite landfill disposal of contaminated soils would require transport, likely via truck along public streets. As such, haul roads and traffic patterns would have to be established and maintained. Disposal costs at a Subtitle C RCRA-permitted landfill range from $100 to $200 per ton, including transportation.

Screening Evaluation—Offsite landfill disposal would reduce potential migration of soil contaminants and prevent exposure of human or ecological receptors to contaminated materials. Landfill disposal would not reduce contaminant volume, mobility, or toxicity. Landfill disposal would require offsite transport of contaminated soils and purchase and transport of clean fill materials, which would be more costly than onsite thermal desorption treatment. Offsite landfill disposal is retained for consideration as an alternate technology should *ex situ* treatment (e.g., thermal desorption or incineration) prove infeasible.

3.5.1.6 Soil Washing

Description of Technology—Soil washing is an *ex situ* remediation process designed to separate contaminants from excavated soils. Excavated soils are mixed with plain water

or water containing a chemical additive. Additives such as surfactants or solvents are used to enhance contaminant solubility. Soil washing can be used to achieve one of two goals:

- Separate the fine particles from the excavated soils to minimize the amount of soil requiring treatment and/or offsite disposal (in general, most soil contaminants are associated with soil fine particles), or
- Dissolve the contaminant in the washing solution.

Separation of the fines can reduce the volume of soil requiring treatment or disposal, but does not in itself reduce the mobility or toxicity of the contaminant. Following contact with the soils, the wash solution is treated to remove the contaminants and, if applicable, recycle the chemical additive. Soil washing costs typically range from $120 to $200 per ton; however, due to the insoluble nature of the PAH contamination encountered, costs may be higher for soils at the Quendall Terminals site.

Screening Evaluation—Soil washing is often an effective means of reducing contaminant volume. However, the soil washing process is more costly and less effective than other treatment alternatives, such as thermal desorption or offsite landfill disposal. As a result, soil washing is typically limited to sites where minimization of contaminated soil volume is a high priority. Soil washing is not retained for further consideration.

3.5.1.7 Stabilization/Solidification

Description of Technology—Stabilization/solidification involves adding chemical additives, such as cement or fly ash, to reduce the leachability of contaminants in soils. Although stabilization/solidification reduces contaminant mobility, it does not reduce the contaminant volume or toxicity. The stabilization/solidification technology can be

implemented *in situ* or *ex situ*. *In situ* application, which involves injecting chemical additives into the soil and mixing with an auger, eliminates excavation requirements, and thus reduces potential exposure of workers to the contaminants. *Ex situ* application involves mixing excavated soil and chemical additives in a pug mill or similar apparatus. Adding chemical additives can lead to a significant increase in total soil volume (i.e., "soil bulking") under both *in situ* and *ex situ* applications—potentially complicating handling and disposal of the soils following treatment. Furthermore, the solidified soil mass produced by the process can potentially limit future site uses. Laboratory testing is required to demonstrate the effectiveness of the stabilization/solidification process, and to achieve the optimal mixing ratios for full-scale application. Costs for shallow *in situ* mixing range from $35 to $75 per ton, while the typical cost for *ex situ* stabilization/solidification is $100 per ton, including the cost for excavation.

Screening Evaluation—Stabilization/solidification processes are most applicable to inorganic contaminants, and less appropriate for treating organic contaminants, such as the CoCs at the Quendall Terminals site. Ideally, stabilization/solidification would result in reduced contaminant mobility; however, it would not reduce the contaminant volume or toxicity. The presence of DNAPL in the soils could potentially limit the formation of a stable product mixture. Furthermore, stabilization/solidification processes would lead to soil bulking and materials handling problems, and the solidified soils could potentially hinder future site redevelopment. Stabilization/solidification is not retained for further consideration.

3.5.1.8 Capping

Description of Technology—Capping technologies are designed to minimize direct human exposure to the contaminants and, in some cases, reduce contaminant mobility by isolating the affected soils in place. Caps can consist of a clean soil layer to provide a

physical barrier to direct human contact with the affected soils, and/or a layer of impervious materials (e.g., asphalt or clay) that provide a barrier to both direct exposure and infiltration to the affected soils. Buildings and similar structures constructed during site redevelopment can also serve as a cap. Capping is a containment technology, not a treatment process, and thus does not achieve a reduction in contaminant volume, mobility, or toxicity. Estimated costs for capping range from \$2 to \$6 per ft^2, depending on the nature of the cap. These costs do not include the costs required for cap maintenance.

Screening Evaluation--Soil capping is an effective and relatively inexpensive means of reducing potential exposure to soil contaminants. Clean material caps of sufficient thickness (e.g., 2–3 ft) are most applicable to the site, and use of low permeability caps designed to minimize infiltration of water through affected soils would provide little additional benefit. Redevelopment structures, such as buildings and parking lots, would also serve as effective barriers to exposure to site soil contaminants. Maintenance of the cap would be required to ensure cap integrity and long-term effectiveness. Careful design and control of surface drainage systems and cap revegetation measures would be required to prevent cap erosion. Institutional controls would be required to ensure that future site activities do not interfere with the cap performance. Appropriate controls would include prescriptive measures for worker safety during site excavation or other construction-related activities potentially involving contact with soil contaminants beneath the cap. Additional measures would include deed restrictions requiring that following any disturbance, the cap be replaced or that another equally protective measure be taken. Capping is retained for further consideration.

3.5.1.9 Soil Flushing

Description of Technology—Soil flushing is an *in situ* soil remediation technology similar to soil washing. Soil flushing attempts to extract contaminants from soils by flushing the soils *in situ* with water or with water containing a chemical additive. The flushing solution is applied to the affected soils via well injection or surface infiltration, and the contaminant-bearing leachate is collected using extraction wells located downgradient of the treated soil zone. Once extracted, the leachate water is treated using established *ex situ* water treatment processes. Soil flushing, when combined with *ex situ* water treatment, results in a permanent reduction in contaminant volume. Soil flushing can potentially result in increased long-term mobility of residual contaminants, as contaminant solubility may be enhanced by remnant washing solution. Application of soil flushing technology is limited to sites with favorable hydrogeologic conditions that allow for efficient flushing of the contaminants from the soils and for complete recovery of the leachate solution. The presence of free-phase contamination (e.g., DNAPL) can substantially limit the effectiveness of soil flushing. The cost for soil flushing depends greatly on the composition of the wash solution, and can range from \$25 to \$250 per yd^3.

Screening Evaluation—The soil flushing process would result in a permanent reduction in contaminant volume. Soil flushing is an *in situ* remediation process, and thus eliminates the potential for worker exposure to soil contaminants due to excavation. However, the presence of DNAPL in the subsurface would significantly limit the effectiveness of soil flushing. The presence of nearby surface water would make hydraulic control difficult to demonstrate and relatively low permeability of shallow soils would make consistent application difficult. Soil flushing is not retained for further consideration.

3.5.1.10 *In situ* Vitrification

Description of Technology—*In situ* vitrification is a soil remediation technology that involves placing electrodes into the ground and inducing an electric current to generate extremely high temperatures in the affected soils. The high temperatures cause the soils to melt, immobilizing inorganic contaminants by encapsulating them in a glass-like matrix and destroying organic contaminants via thermal oxidation. During the treatment of soils containing organic contaminants, such as the soils at the Quendall Terminals site, a hood placed over the treated area is often required to control off-gases released during the treatment process. The vitrification process reduces the volume, mobility, and toxicity of organic contaminants. Vitrification is a complex, high-energy technology that requires a high degree of expertise and training. As such, costs for *in situ* vitrification are high, typically on the order of $700 per ton.

Screening Evaluation—*In situ* vitrification would lead to a permanent reduction in contaminant volume, toxicity, and mobility, and would limit the potential for long-term exposure to site contaminants. As treatment is performed *in situ*, there is no potential for worker exposure to contaminants due to soil excavation. However, off-gases produced from vitrification can be potentially harmful if proper control measures are not implemented. Converting soils to a solid, glass-like mass during vitrification could limit potential future site uses and redevelopment. In addition, *in situ* vitrification is cost-prohibitive. *In situ* vitrification is not retained for further consideration.

3.5.1.11 Soil Vapor Extraction

Description of Technology—Soil vapor extraction (SVE) is an *in situ* remediation process designed for the removal of volatile or semivolatile contaminants from

unsaturated soils. The SVE process involves installing air extraction wells in vadose zone soils, and applying a vacuum to induce the flow of air through the soils. Volatile contaminants are stripped from the soil matrix with the moving air, and the extracted air is then treated *ex situ* using established gas treatment processes (e.g., via granular activated carbon [GAC] adsorption). In some cases, air injection wells are required in addition to the air extraction wells to enhance air flow and increase contaminant removal efficiency. Air flow, and thus SVE efficiency, is limited by low permeability strata and high soil moisture content. SVE permanently reduces the contaminant volume and, depending on the gas treatment process, also reduces the mobility and toxicity of extracted contaminants. A typical cost for SVE, excluding the cost for treatment of off-gases, is $50 per ton.

Screening Evaluation—SVE, when combined with gas treatment, would produce a permanent reduction in contaminant volume. However, the SVE process would be highly inefficient at the Quendall Terminals site because of the relatively shallow water table and the presence of DNAPL, and would not likely be capable of achieving the site RAOs. SVE is not retained for further consideration.

3.5.1.12 Bioventing

Description of Technology—Bioventing is a demonstrated treatment process that is similar to SVE. Unlike SVE, which strips the contaminants from the aquifer matrix using high air flow rates, bioventing uses lower air flow rates with the goal of stimulating the bio-oxidation of the contaminants by delivering oxygen (by the induced air flow) to naturally occurring microorganisms. Bio-oxidation reduces contaminant volume, mobility, and toxicity. Unlike SVE, bioventing is not limited to volatile and semivolatile contaminants, and is applicable to any other organic contaminants that are susceptible to aerobic bio-oxidation. Aboveground off-gas treatment is often required for bioventing.

and air flow can be limited by low permeability strata and soils with excessive moisture. Too little soil moisture can also limit bioventing efficiency by limiting biological growth. Typical costs for bioventing range from $10 to $50 per yd^3 of soil.

Screening Evaluation—Similar to SVE, bioventing would produce a permanent reduction in contaminant mass, but is not likely to achieve the RAOs established for the Quendall Terminals site. Bioventing is not retained for further consideration.

3.5.2 Groundwater Remediation Technologies

This section identifies and screens technologies potentially applicable for remediation of contaminated groundwater at the Quendall Terminals site. As discussed previously, contaminants detected in groundwater at the site include PAH compounds, benzene, and DNAPL. The remediation technologies presented in this section include natural attenuation, groundwater extraction, impermeable barrier wall, passive treatment wall, DNAPL recovery trenches, and biosparging. Brief descriptions of each of these alternative technologies are presented along with a discussion of their implications for the Quendall Terminals site. The technologies presented are screened in terms of their ability to cost-effectively achieve the site RAOs through the destruction and/or containment of the site groundwater contaminants.

3.5.2.1 Natural Attenuation

Description of Technology—Natural attenuation refers to naturally occurring chemical, physical, and biological processes that contain or degrade environmental contaminants. Chemical adsorption to aquifer materials and microbial biodegradation of organic contaminants are common examples of natural processes that may reduce availability of a

contaminant or degrade it to less toxic or nontoxic constituents. Natural attenuation requires that specific conditions (e.g., pH, abundant dissolved oxygen) exist in the subsurface. Demonstration of natural attenuation processes requires monitoring of contaminants and other indicator compounds (e.g., biodegradation products, dissolved oxygen, redox potential). This monitoring often must be supported by computational modeling and/or laboratory demonstrations. The cost associated with natural attenuation is related to the cost of these demonstration activities.

Screening Evaluation—Natural attenuation processes have been demonstrated to be sufficiently effective to meet remediation goals at several sites in the United States. However, given the extent and nature of the contamination at the Quendall Terminals site, and the close proximity of the groundwater contaminants to Lake Washington, it is uncertain whether natural attenuation processes would be sufficiently effective to meet the site RAOs. Therefore, natural attenuation is not retained for further consideration.

3.5.2.2 Groundwater Extraction

Description of Technology—Groundwater extraction is a mitigation technology involving the extraction of contaminated groundwater, typically through the use of groundwater extraction wells, followed by *ex situ* treatment using established water treatment processes. Treated water would either then be discharged to the Renton POTW or to surface water under an NPDES permit. Groundwater extraction together with *ex situ* treatment is commonly referred to as "pump and treat." Groundwater extraction is generally used to hydraulically control the contaminated groundwater and prevent its further migration.

Pump and treat would reduce contaminant volume, toxicity, and mobility; however, it does not effectively remove contaminants from the subsurface. Pump and treat relies on

either the physical removal of NAPL or the removal of dissolved NAPL constituents in the groundwater. When pump and treat begins, some NAPL is initially removable. Given the low mobility of NAPL in soil and the relative productivity of the aquifer present at the site, however, the direct removal of NAPL does not typically continue and very little or no NAPL would be recovered after this initial period. Because the solubility of the NAPL constituents is so low, removal through the dissolved phase is very slow and DNAPL at the Quendall Terminals site would act as a long-term source of contaminants to groundwater. As a result, this remediation technology would involve long-term operation and maintenance costs. Installing groundwater extraction wells costs approximately $25,000 per well with additional costs incurred to purchase and operate a water treatment system. Annual operation and maintenance costs for a pump-and-treat system are estimated at $250,000.

Screening Evaluation—Groundwater extraction is a highly inefficient means of reducing subsurface contaminant volume, particularly when long-term sources of groundwater contaminants such as DNAPL are present, and has rarely been shown to be capable of achieving site RAOs in a reasonable time frame. The likelihood of residual DNAPL being present following implementation of remedial activities would limit pump-and-treat remediation efficiency. Groundwater extraction is thus not retained for further consideration.

3.5.2.3 Impermeable Barrier Wall

Description of Technology—Impermeable barrier walls, such as slurry walls or sheet piling, can be installed along a vertical plane in the subsurface to provide a barrier to contaminant flow. Slurry walls are installed by excavating a trench and backfilling the trench with a soil-bentonite or soil-cement mixture, producing a barrier with hydraulic conductivity of 10^{-7} to 10^{-9} cm/sec. Slurry walls cost $7–$12 per ft^2 to construct.

Treatment of contaminated soils excavated during the slurry wall installation process would add additional cost. Sheet pile barrier walls are installed by driving interlinking steel sheet piling into the subsurface. Permeability of sheet pile barriers is limited to leakage through the interlocking joints, which are often sealed (e.g., via grout injection). Unlike slurry walls, sheet pile walls can also be installed offshore in Lake Washington sediments. Sheet pile installation costs between $20 and $30 per ft^2.

Screening Evaluation—At the Quendall Terminals site, low permeability barrier walls could provide a barrier to direct groundwater and potential DNAPL discharge to Lake Washington. Impermeable barrier (or containment) wall technology has been demonstrated to be an effective means of reducing contaminant migration. A containment wall placed adjacent to the lake shoreline to a depth of 25–30 ft would slow the flow of groundwater contaminants offsite and reduce the potential for DNAPL migration to the lake. Offshore installation of sheet piling to create a vertical barrier to lateral DNAPL flow could be an effective means of decreasing the potential for DNAPL migration to Lake Washington. A containment wall is retained for further consideration.

3.5.2.4 Passive Treatment Wall

Description of Technology—Passive treatment wall technology involves the installation of a permeable wall of reactive material along a vertical plane to intercept contaminant flow. As the contaminated groundwater passes through the reactive material, the contaminants are attenuated by chemical or biological reaction within the wall. Impermeable barrier walls are often used to direct contaminated water through the passive treatment wall. Peat moss and GAC are common reactive materials used for treating nonchlorinated organics, such as those found at the Quendall Terminals site. The cost of installing a passive treatment wall depends on the physical dimensions of the wall and the reactive material used, and as such, is highly site-specific. Operation and

maintenance costs include costs of maintaining permeability reduction problems caused by precipitate formation within the wall, and for periodic replacement of the reactive material. The presence of DNAPL may significantly impair the functional ability of the passive treatment wall.

Screening Evaluation—Passive treatment wall technology has been demonstrated at some sites as an effective *in situ* process for reducing contaminant volume and/or preventing offsite contaminant migration. However, the presence of DNAPL in the subsurface at the Quendall Terminals site demonstrated that a passive treatment wall is not likely to be effective. Passive treatment wall technology is thus not retained for further consideration.

3.5.2.5 DNAPL Recovery Trenches

Description of Technology—DNAPL recovery trenches are subsurface trenches installed to intercept and recover DNAPL plumes. Installation of the recovery trenches involves excavating a trench downgradient of the DNAPL plume, placing a perforated collection line at the bottom of the trench, and backfilling the trench with coarse material (e.g., gravel). As DNAPL intercepts the trench, it preferentially migrates down the permeable backfill material to the collection line, and is pumped to the surface using a recovery sump. The DNAPL is stored at the surface and periodically transported to an offsite facility for treatment, reuse, or disposal. This process results in a permanent decrease in contaminant volume, toxicity, and mobility. Handling recovered DNAPL can result in potential short-term exposure of workers to site contaminants. Typical costs for installing DNAPL recovery trenches range from \$30 to \$50 per ft^2.

Screening Evaluation—DNAPL recovery trench technology is well demonstrated and could be used to both limit further migration of DNAPL beyond the Lake Washington shoreline and reduce the volume of DNAPL in the subsurface. DNAPL recovery testing and observed subsurface distribution of DNAPL at the site indicate that DNAPL associated with Quendall Terminals Pond, North Sump, and the former May Creek channel is mobile, and thus amenable to recovery. Recovery trenches could be placed on the downgradient end of these DNAPL plumes, providing long-term reductions in contaminant volume, toxicity, and mobility. The need for such recovery trenches could be further assessed based on observations made during soil remediation activities.

Installing DNAPL recovery trenches would likely be limited to onshore locations, as offshore installation would be complicated and costly. These upland trenches would not recover any of the DNAPL associated with the Quendall Terminals Pond and the North Sump areas that has migrated laterally beyond the Lake Washington shoreline. As installation of the trenches would involve excavation, localized groundwater dewatering may be required during trench installation, and the pumped groundwater would likely require treatment. Furthermore, excavation of contaminated soils during trenching would result in a short-term potential for worker exposure to contaminants, and contaminated soils would likely require dewatering, soil treatment, and treatment of the soil dewater. DNAPL recovery trench technology is retained for further consideration.

3.5.2.6 Biosparging

Description of Technology—Biosparging is an *in situ* remediation technology designed to stimulate the aerobic bio-oxidation of organic groundwater contaminants by naturally occurring subsurface microorganisms. The process involves injecting compressed air into wells screened below the water table, thereby increasing the oxygen concentration in the groundwater and overlying unsaturated zone, and stimulating aerobic bio-oxidation of organic contaminants. The sparging process can volatilize (or strip) volatile and semi-

volatile contaminants from groundwater, causing the contaminants to migrate to the overlying unsaturated zone. Biosparging permanently reduces contaminant volume, toxicity, and mobility.

Screening Evaluation—Biosparging is likely to be an effective means of containing groundwater contaminants at the Quendall Terminals site. Biosparging would result in a permanent reduction in volume, toxicity, and mobility of groundwater contaminants. Furthermore, if the induced bio-oxidation rate of the contaminants is sufficiently rapid, biosparging could prevent migration of groundwater contaminants to Lake Washington. Biosparging is retained for further consideration.

3.5.3 Sediment Remediation Technologies

This section identifies and screens technologies potentially applicable for remediating contaminated sediment and sediment wood waste at the Quendall Terminals site. As was discussed in Section 1.1 of this report, PAH contamination and wood waste have been identified in Lake Washington sediments immediately adjacent to the Quendall Terminals property. In addition, DNAPL associated with the Quendall Terminals Pond and North Sump source areas has been identified at approximate minimum depths of 5 ft and 15 ft below the mud line, respectively.

The remediation technologies presented in this section include natural recovery, dredge and removal, upland treatment (e.g., thermal desorption, incineration, bioremediation, and landfill disposal), capping, nearshore containment facility, and nearshore trap. Brief descriptions of each of these alternative technologies are presented along with a discussion of implementation implications for the Quendall Terminals site.

3.5.3.1 Natural Recovery

Description of Technology—Natural recovery refers to naturally occurring chemical, physical, and biological processes that function to contain or degrade environmental contaminants in sediments. Sedimentation and microbial biodegradation are examples of natural processes that may reduce availability of a contaminant or degrade it to less toxic or nontoxic constituents. Natural recovery requires that specific conditions (e.g., pH, abundant dissolved oxygen) exist in the sediments. Demonstration of natural recovery processes requires monitoring of contaminants and other indicator compounds (e.g., biodegradation products, dissolved oxygen, redox). Monitoring often must be supported by computational modeling and/or laboratory demonstrations. The cost of natural recovery is related to the cost of these demonstration activities.

Screening Evaluation—Natural recovery has been shown to be effective for contaminated sediments at several sites. Natural recovery processes typically result in the restoration of sediment habitat quality, and some processes, such as biodegradation, can lead to a reduction in contaminant volume, toxicity, and mobility. However, without additional remedial measures, it is unlikely that natural recovery processes would be sufficiently protective at the Quendall Terminals site. Additional measures, such as placement of a clean sediment cap, can enhance natural recovery processes and provide an effective alternative for sediment remediation. As a result, enhanced natural recovery is retained for further consideration.

3.5.3.2 Dredge and Removal

Description of Technology—Dredge and removal involves the use of mechanical or hydraulic dredging technologies to bring contaminated sediments to the surface for *ex situ* treatment, recycling, or disposal. Dredged sediments would be transported upland

and dewatered, and the water produced would be treated. The dredge and removal of sediments process, when combined with *ex situ* treatment, reduces contaminant volume, toxicity, and mobility. During the process, there is a potential for short-term exposure of workers to contaminants.

Various dredging technologies are potentially applicable at the Quendall Terminals site. Hydraulic dredges vacuum sediments in a slurry through a pipeline to the surface. Mechanical dredges collect discrete volumes of contaminated sediments in a suspended bucket. Land excavating techniques (e.g., backhoe excavation) are potentially applicable for removal of nearshore or shallow sediments. Unit costs for dredge and removal of contaminated sediment range from $40 to $60 per yd^3 of dredged material. Dredging of non-contaminated sediments, such as the less than 50 percent wood waste zones, is considerably less costly ($8–$12 per yd^3) as re-suspension and loss of contaminants is of less concern.

Screening Evaluation—Dredging and removal technologies would be required for any sediment remediation alternative that involves *ex situ* treatment. These approaches are the only technologies considered that would produce a permanent reduction in contaminant volume, toxicity, and mobility. The dredging process would increase potential exposure of workers to site contaminants. Following dredging, sediments would be transported upland, dewatered, treated, recycled (i.e., reuse of wood waste material), or disposed of at an offsite landfill. The water produced during dewatering would likely require treatment prior to disposal in the sanitary sewer. Some of the dredged areas would require backfilling with clean materials or, if applicable, with treated sediments. Dredging and removal technologies are retained for further consideration.

3.5.3.3 Upland Treatment

Description of Technology—Upland treatment refers to the collection of established treatment technologies that can be used to treat contaminated sediments dredged and removed from the lake. These technologies include, but are not limited to, treatment technologies presented in Section 3.5.1 of this report for *ex situ* treatment of excavated soils. These technologies include thermal desorption, incineration, bioremediation (landfarming), and landfill disposal.

Screening Evaluation—Upland treatment refers to the collection of established treatment technologies that can be used to treat contaminated sediments dredged and removed from the lake. These technologies include, but are not limited to, the treatment technologies presented in Sections 3.5.1.2 through 3.5.1.5 of this report for *ex situ* treatment of excavated soils. These technologies include thermal desorption, incineration, bioremediation (landfarming), and landfill disposal. As described in Section 3.5.1.2, onsite thermal desorption is retained as an *ex situ* treatment process for the Quendall Terminals site. Incineration and landfill disposal are also retained as alternate technologies should thermal desorption prove insufficient to meet site RAOs.

3.5.3.4 Capping

Description of Technology—Sediment capping technology involves placing a layer of clean material over the contaminated sediment zones to isolate and/or enhance natural recovery of the sediments. There are a number of technologies available for the placement of clean sediments, including using clamshell placement techniques that produce a cap of relatively even thickness with minimal resuspension and loss of contaminated sediments from the lake bottom. Costs for cap placement range between $8

and \$14 per yd^3. Sediment caps can also consist of a layer of low permeability materials (e.g., geomembrane, clay) designed to provide a barrier to contaminant migration. Placement of such materials is more complex than placement of sediments. Cost for emplacement of a high-density polyethylene geomembrane cap is estimated to be \$2 to \$4 per ft^2. Capping does not reduce contaminant volume, mobility, or toxicity, but does reduce the long-term potential for contaminant migration to the water column (e.g., due to resuspension).

Screening Evaluation—Placement of a clean sediment cap is a demonstrated technology for reducing exposure and enhancing sediment natural recovery processes. Clean capping is likely to be the most cost-effective alternative for mitigation of gray zone sediments. Low permeability capping technology is likely to be an effective means of providing a barrier to potential seepage of nearshore Quendall Pond DNAPL to the lake and its sediments. In addition, there is a potential for resuspension (and migration) of sediment contaminants during cap emplacement. Sediment capping is retained for further consideration.

3.5.3.5 Nearshore Containment Facility

Description of Technology—Nearshore containment facility technology involves the construction of a containment facility immediately adjacent to the existing shoreline. A containment wall is placed along the desired outer limit of the facility, and the area between the wall and the shoreline is filled with excavated contaminated sediments or soils, or with clean fill. At the Quendall Terminals site, a nearshore containment facility could be designed as a disposal facility for contaminated materials and as a cover for all or most of the offshore DNAPL identified at the site. Such a facility would not reduce contaminant volume, toxicity, or mobility, but would restrict potential migration of sediment contaminants and DNAPL to the lake. It would also reduce long-term potential

for exposure to the contaminants. The cost of a nearshore containment facility would include the cost of barrier wall construction and dredging and placement of soils within the facility. Additional costs would include those associated with mitigation for shoreline impacts, wetland replacement, and lake infilling and habitat destruction.

Screening Evaluation—A nearshore containment facility would be an effective means of containing contaminated sediments and wood waste, and would provide a barrier to potential DNAPL seepage into Lake Washington. On the other hand, the facility would not reduce contaminant volume, toxicity, or mobility, and would potentially expose workers to contaminants during excavation and during placement of contaminated sediments within the facility. Furthermore, construction of the facility would cause severe detrimental effects on the existing shoreline, adjacent habitat, and wetlands—requiring that substantial mitigative action be taken. The nearshore containment facility is not retained for further consideration.

3.5.3.6 Nearshore Trap

Description of Technology—Similar to the nearshore containment facility described above, the nearshore trap involves the placement of sheet piling adjacent to the Lake Washington shoreline. The sheet pile wall could be integrated into an upland barrier wall parallel to the shoreline. Contaminated surface sediments between the wall and the shoreline could be dredged and removed for upland treatment, and a low permeability cap would be placed over the dredged area. The net effect of the barrier walls and the cap would be to create a stagnation zone (or trap) for groundwater and DNAPL flow, thus preventing the flow of contaminants to the lake. The facility would not reduce contaminant volume, toxicity, or mobility, but would restrict potential migration of DNAPL to the lake and would limit long-term potential for exposure to the contaminants. The cost of the trap includes the cost of offshore placement of sheet piling

(approximately \$20 per ft^2) and the low permeability cap (approximately \$4 per ft^2). Unlike the nearshore containment facility, the nearshore trap does not involve lake infilling and thus requires no substantial mitigative action.

Screening Evaluation—A nearshore trap would be a highly effective barrier to potential DNAPL seepage to Lake Washington. However, the facility would not reduce contaminant volume, toxicity, or mobility, and would potentially expose workers to contaminants during placement of the low permeability cap. Required in-water construction complicates the emplacement of the facility, and there is a potential for suspension of contaminated sediments during placement of the cap. The nearshore trap is retained for further consideration.

3.5.4 Summary of Screening-Level Evaluation

Tables 3-7 through 3-9 summarize the results of the screening evaluation of remedial technologies. They also list media-specific technologies that are retained for consideration during the development of the proposed cleanup action plan for the Quendall Terminals site (Exponent 1999).

3.5.5 Institutional Controls

Institutional controls, such as deed and water use restrictions, are an essential part of most remediation efforts. Institutional controls are designed to provide assurance that human health and the environment are protected from residual subsurface contamination left in place following implementation of remedial measures. Institutional control programs for a given site would vary in breadth and intensity, depending on the remedial action selected.

3.5.6 Compliance Monitoring

Compliance monitoring is required for all remediation efforts. Postremedial sampling of soil, groundwater, and sediments is required to ensure that remedial measures perform adequately and protect human health and the environment, and to confirm that site RAOs have been meet. Monitoring requirements would vary in intensity and duration, depending on the cleanup action selected.

3.6 Comparison of Retained Remedial Alternatives

This section compares the retained remedial alternatives that are described in Section 3.5, *Technology Identification and Screening*. Media-specific alternatives are retained on the bases of effectiveness in achieving site RAOs and compliance with MTCA (WAC 173-340-360). The screening criteria used to evaluate these technologies also included the implementability of the technology and the cost.

3.6.1 Retained Soil Remediation Technologies

The retained soil remediation technologies are excavation and capping. In addition, three soil treatment technologies are retained that potentially could be implemented in association with excavation. These are thermal desorption, incineration, and offsite landfill disposal. This section compares excavation to capping, and also gives a comparison of the *ex situ* soil treatment technologies.

3.6.1.1 Comparison of Excavation and Capping

The excavation and capping technologies both use conventional construction equipment and have proved effective at other sites. Also, these technologies potentially could be applied concurrently to address variable conditions in specific areas of the site.

Excavation involves the direct removal of affected soil and overburden using construction equipment. Shoring, control of groundwater, control of surface water, soil segregation and stockpiling, backfilling, and regrading may take place during excavation. Excavation is effective in reducing contaminant volume and decreasing potential long-term exposure. Also, excavation of DNAPL-contaminated soils could be used to limit potential migration of DNAPL to Lake Washington and reduce the long-term source of contaminants to groundwater. The costs for excavation can vary significantly, depending

on site-specific conditions encountered once excavation is under way. Excavation and backfilling may cost up to $45 per ton of soil, not including treatment of the affected soil.

Capping involves the placement of a low permeability cover to minimize direct human exposure and in some cases to reduce contaminant mobility. Capping is a containment technology, not a removal technology. Caps can consist of clean soil, low permeability liners, asphalt, or buildings. Capping is a relatively cost-effective remedial technology, with estimated costs ranging from $2 to $6 per ft^2. The construction of redevelopment structures such as parking lots or buildings would further reduce capping costs.

Excavation is more costly than capping for sites with a significant volume of affected soil; however, it may be appropriate in shallow DNAPL-contaminated areas and in areas where future construction may affect the migration of DNAPL.

3.6.1.2 Comparison of Soil Treatment Technologies

Three soil treatment technologies are retained that could potentially be implemented in association with excavation—thermal desorption, high-temperature incineration, and offsite landfill disposal.

Thermal desorption can take place either onsite or offsite. Onsite thermal desorption provides for lower transportation costs; however, onsite thermal desorption involves greater setup, mobilization, and permitting costs. Costs for either onsite or offsite thermal desorption are typically $40 to $50 per ton.

High-temperature incineration is a demonstrated remedial technology for the treatment of soils; however, it is significantly more expensive than thermal desorption, with costs typically ranging from $300 to $1,000 per ton. For the Quendall Terminals site, offsite incineration would also lead to higher transportation costs than offsite thermal desorption because there are no local incineration facilities.

Offsite landfill disposal reduces the risk of onsite exposure but does not lead to reduced contaminant volume or toxicity. Typical costs for offsite landfill disposal at a Subtitle C RCRA-permitted landfill range from $100 to $200 per ton.

3.6.2 Retained Groundwater Remediation Technologies

The retained groundwater treatment technologies are barrier walls, DNAPL recovery trenches, and biosparging. As with soil capping and excavation, these three groundwater remediation technologies can be implemented concurrently to address circumstances in different areas of the site.

A barrier wall can be installed along a vertical plane in the subsurface to prevent contaminant and groundwater migration. At the Quendall Terminals site, a barrier wall could consist of either a slurry wall or a sheet piling wall.

DNAPL recovery trenches are a well-demonstrated technology, consisting of subsurface trenches that intercept and recover DNAPL. DNAPL recovery and disposal result in a permanent decrease in contaminant volume, toxicity, and mobility. The cost for DNAPL recovery trench construction is typically $30 to $50 per ft^2 of trench surface area (depth × length).

Biosparging is an *in situ* remediation technology designed to stimulate aerobic bio-oxidation of organic groundwater contaminants. The process involves the injection of compressed air into wells screened below the water table, thereby increasing the oxygen concentration in the groundwater and the overlying unsaturated zone. Biosparging permanently reduces contaminant volume, toxicity, and mobility.

The three technologies can be used in various combinations. Barrier walls and DNAPL recovery trenches used in combination may be an effective way to control and reduce the

quantity of subsurface DNAPL. DNAPL recovery reduces the impact of DNAPL on groundwater quality, and could act in concert with biosparging. Barrier walls reduce the flow of affected groundwater to nearby surface water, and could therefore enable a biosparging system to successfully treat affected groundwater prior to discharge to surface water.

3.6.3 Retained Sediment Remediation Technologies

The retained sediment remediation technologies are enhanced natural recovery, dredging, capping, and nearshore trap. As with the soil and groundwater remediation technologies, these four technologies can be implemented in a complementary way to address area-specific circumstances.

Natural recovery consists of the naturally occurring chemical, physical, and biological processes that contain or degrade environmental contaminants. Natural recovery may be appropriate at the Quendall Terminals site for sediment areas with less than 50 percent wood waste. Wood waste may be expected to degrade naturally at these concentrations. The cost of natural recovery depends on the cost of monitoring to verify that natural recovery is occurring.

Dredging is the use of mechanical equipment to bring contaminated sediment or wood waste to the surface for *ex situ* treatment, recycling, or disposal. Dredged sediments would be transported upland for dewatering and onsite or offsite treatment. Onsite treatment may include onsite thermal desorption. Land excavation techniques, such as a backhoe or dragline, are potentially applicable for removal of nearshore or shallow sediments. Costs of dredging contaminated sediments are typically \$40 to \$60 per yd^3 of dredged material. Dredging of noncontaminated sediments such as wood waste is typically \$8 to \$12 per yd^3.

Sediment capping involves placing a layer of clean material over the contaminated sediment zones to isolate and/or enhance natural recovery of the sediment. Placement of a clean sediment cap has been demonstrated to reduce potential exposure and enhance natural recovery. EPA has determined that 1-ft clean sediment caps provide adequate physical isolation of affected sediments and aquatic organisms (U.S. EPA 1998). Capping may be applied to either wood waste-affected sediments or chemically affected sediments. Low permeability capping technology may be an effective means of providing a barrier to potential seepage of DNAPL from the nearshore Quendall Terminals pond. Costs of clean sediment cap placement are typically between $8 and $14 per yd^3. Costs for placement of a low permeability cap are typically $18 to $36 per yd^3.

Nearshore trap technology uses a combination of several technologies to contain DNAPL and thereby reduce its impact on sediments and surface water. The nearshore trap consists of an in-water sheet pile wall and an integrated low permeability cap. Lateral groundwater and DNAPL flow stagnates in the trap (or stagnation zone) before reaching the surface water. The cost of the nearshore trap would include the costs for offshore placement of sheet piling and the low permeability cap.

These retained sediment remediation technologies can be used together. Natural recovery and capping can be implemented in areas where dredging has taken place. In addition, dredging can be implemented prior to installation of the nearshore trap, and capping can be implemented after the installation of the nearshore trap to provide a suitable surface substrate for the nearshore trap.

3.7 Selection of Preferred Alternative

This section discusses the selection of the preferred alternative and the implementation schedule for that alternative. The selected remedial actions protect human health and the environment, meet the RAOs for the site, and comply with the requirements of WAC 173-340-360. The selected remedial actions were chosen by comparing each alternative with the following MTCA remedy selection requirements (WAC 173-340-360(2) and (3)). The requirements are to:

- Protect human health and the environment
- Comply with cleanup standards (WAC 173-340-700)
- Comply with applicable state and federal laws (WAC 173-340-710)
- Provide for compliance monitoring (WAC 173-340-410).
- Use permanent solutions to the maximum extent practicable (WAC 173-340-360(2), (3), (4), (5), (7), and (8)
- Provide a reasonable restoration time (WAC 173-340-360(6))
- Consider public concerns (WAC 173-340-600).

3.7.1 Soil

The selected cleanup alternative for site soils that require capping is placement of a 3-ft-thick cap of imported clean soil or pavement (or buildings) on the ground surface over the entire site to provide a physical barrier to CoCs in soil. Following construction of the planned development, a 3-ft-thick cap will be placed only in those areas that will be left uncovered after redevelopment (i.e., not covered by pavement or buildings). Provisions will be made to ensure proper surface water drainage at the site, maintain the integrity of the cap, and minimize contact of surface water drainage with soil contaminants. These

provisions will be described in the engineering design report that will be completed as described in WAC 173-340-400(4)(a). The future site development features, such as buildings and parking lots, will serve as barriers to contact with soil contaminants in those areas of the site that lack the 3-ft soil cap. The extent of the area to be capped is shown on Figure 3-1. A schematic illustration of the soil cap is provided in Figure 3-2.

The other selected remedial alternative for soil is excavation of DNAPL-affected soil. The areas to be excavated include the former May Creek channel, the north sump, and Quendall Pond, as shown on Figure 3-1. Excavation will begin at the Lake Washington shoreline and will move inland. A maximum of 25,000 yd^3 of DNAPL-affected soil will be treated and returned to the excavation. Overburden soil unaffected by DNAPL will be stockpiled onsite during remedial activities and will be placed back in the excavation as part of the regrading process. The basis for these volume calculations is provided in RETEC (1997c).

3.7.2 Groundwater

The selected groundwater remediation alternative consists of two DNAPL recovery trenches (if the need for such trenches is indicated by observations made during soil excavation) and institutional controls to prohibit the use of groundwater. Biosparging has been selected as a contingent remedy. The groundwater extraction and treatment technology has been found not to be feasible at the Quendall Terminals site. Institutional controls are described in Section 3.5.5.

3.7.2.1 Trenches

If required to collect residual NAPL following soil excavation, DNAPL recovery trenches extending to a depth of approximately 20–25 ft below ground surface will be placed across the north sump and former May Creek DNAPL plumes. The trenches will

be located on the upgradient side of the excavated areas near the former May Creek channel and the north sump to prevent the migration of DNAPL into the excavated areas.

DNAPL recovered in the trenches will be removed by using a recovery sump or by hand bailing. The recovered DNAPL will be periodically transported to a treatment/recycling facility. Soils excavated during the trenching activities will be managed like other excavated onsite soils. The DNAPL recovery trenches will be designed so that the volume of water generated during recovery operations is minimized to the extent practicable. The monitoring and maintenance of these systems will be described in the engineering design report and the operation and maintenance plans. During implementation of the remedial alternative, operation of a recovery trench can be discontinued when no further DNAPL (beyond a sheen) enters the trench.

3.7.2.2 Biosparging Wells

As a contingent remedy to address contaminated groundwater, biosparging wells will be installed in the vicinity of the three excavations and in the upgradient areas near the geotechnical piles. A maximum of 40 biosparging wells will be installed at the site. These wells will be screened at approximately 30 ft below grade. In addition to these wells, another five biosparging wells, screened at approximately 90 ft below grade, will be installed downgradient of the anticipated locations of geotechnical piles that will be installed under future buildings.

[Additional text regarding contingent remedies and associated trigger levels will be provided.]

3.7.2.3 Monitoring Wells

The groundwater monitoring well network will consist of two types of monitoring wells: sentinel wells and point-of-compliance wells. The purpose of each well type and the locations of the wells are described below.

The sentinel wells will be installed downgradient of the locations of the buildings to be constructed onsite and will be screened at the maximum depth of the driven steel geotechnical pilings. As described in Section 3.9, Ecology has approved the installation of driven steel geotechnical pilings at the site. The sentinel wells will be used to monitor the impacts of the driven steel pilings and provide information for initiation and cessation of contingent remedy operation in the upgradient areas. A maximum of six sentinel wells will be installed.

[Additional text will be provided.]

3.7.3 Sediments

The selected remedial alternative for sediments varies among the affected areas. T-dock sediments identified as containing greater than 100 mg/kg PAH will be dredged, dewatered, and treated either onsite or offsite via thermal desorption. The volume of sediment to be removed and treated from the T-dock area will not exceed 12,400 yd^3, assuming a maximum sediment removal depth of 3 ft. The T-dock dredge area will be backfilled with treated soil or sediments or imported clean material and restored to its original grade. The areas to be excavated are shown on Figure 3-1.

The nearshore DNAPL seep area will be excavated to a maximum depth of 6 ft. The portions of the nearshore seep areas that do not exhibit a DNAPL seep will be excavated to a maximum depth of 3 ft. The total volume of soil to be excavated from the nearshore seep area will not exceed 21,480 yd^3. Soil excavated from the nearshore areas will be

dredged, dewatered, and treated either onsite or offsite via thermal desorption. The nearshore seep area will be backfilled with treated soil or imported clean soil and restored to its original grade.

Sediments with more than 50 percent wood waste will be dredged and recycled, if practicable, or disposed of in an offsite landfill. Because the removal of this wood waste sediment will restore the lake bottom to its approximate original contours, backfilling with imported materials in these areas will not be necessary. The volume of the wood waste/sediment to be removed will not exceed 48,000 yd^3.

The gray-zone sediments (those that contain less than 50 percent wood waste and have a redox potential discontinuity of less than 0.8 cm) may be covered with a cap of 1 ft maximum thickness, consisting of imported clean fill and/or treated sediments and soils. EPA has determined that a 1-ft cap of granular material provides sufficient separation between the affected sediments and aquatic organisms (U.S. EPA 1998). The maximum cap volume is 52,200 yd^3. Additional testing to further characterize the gray zone is currently scheduled for the summer of 2000. If this characterization demonstrates that the gray zone does not adversely affect benthic habitat, the area to be covered with the 1-ft cap may be reduced.

3.7.4 Overall Protection of Human Health and the Environment

The proposed cleanup action provides significant improvement in the protection of human health and the environment over current conditions and will meet the RAOs established for the Quendall Terminals site. The cleanup action provides mechanisms for treatment or collection and removal of site contaminants and will protect human health and the environment by eliminating potential exposure to site contaminants and by limiting further offsite contaminant migration.

Construction of the soil cap over upland surface soils and implementation of appropriate institutional controls will prevent direct human contact with residual soil contaminants at the site. Excavation of DNAPL-affected soil will limit migration of contaminants with groundwater to Lake Washington and will minimize potential exposure of human and ecological receptors to groundwater contaminants. Removal and treatment or recycling of PAH-contaminated sediments and wood waste will result in a permanent reduction in contaminant volume in the lake sediments. These activities, in addition to the capping of gray-zone sediments if necessary, will improve lake habitat and reduce the potential for human and ecological exposure to sediment contaminants. Removal of affected sediment in the dredged area of the nearshore seep will limit the potential for migration of subsurface DNAPL to the lake and lake sediments.

3.7.5 Compliance with Cleanup Standards

The proposed cleanup action is designed to comply with cleanup standards and all applicable laws and regulations. Compliance monitoring will be performed to assess whether cleanup levels and RAOs are being met, ensure the performance of remedial systems, and determine when DNAPL recovery, groundwater biosparging (if activated), and groundwater monitoring are no longer required. The selected alternative meets all state and federal laws, and all activities used to implement the remedy will meet the substantive requirements of any laws requiring local government permits or approvals.

While all the selected sediment and groundwater remedial actions are permanent solutions, some of the selected soil cleanup actions are not, as defined in WAC 173-340-360-5(c). However, the results of the screening evaluation showed that the selected soil remedy would successfully comply with RAOs and the other requirements. Furthermore, none of the potentially applicable technologies for *in situ* treatment of soils at the Quendall Terminals site would meet the site RAOs. Excavation and treatment/reuse of all site soils affected by DNAPL was determined to be technically impracticable because of the extent of contamination at the site and the prohibitively high cost when compared

to protective containment solutions. The incremental cost of *ex situ* treatment of all DNAPL-affected site soil is disproportionate to the incremental degree of protection achieved relative to capping, and the selected groundwater remedial alternative will address the ongoing groundwater contamination issues. Thus, a more concentrated effort, consisting of the partial excavation of DNAPL-affected soils in selected areas, has been identified as appropriate means to reduce the ongoing impacts of affected soil on groundwater and consequent effects on the surface water pathway. This excavation will commence at the Lake Washington shoreline and move inland.

3.7.6 Compliance with ARARs

The selected cleanup action will comply with federal, state, and local ARARs. Applicable requirements are federal and state laws or regulations that apply specifically to a hazardous substance, a cleanup action, a location, or a special circumstance at the site (e.g., presence of endangered species). Relevant and appropriate requirements are limited to those federal and state regulations that are not legally applicable but address situations sufficiently similar that they may warrant application to the cleanup action. Potential ARARs pertinent to remediation alternatives include substantive requirements of RCW Chapters 70.94, 70.95, 70.105, 75.20, 90.48, and 90.58. Others are identified and defined in Section 3.2, including MTCA (WAC 173-340); Washington State SMS (WAC 173-204); Washington State Dangerous Waste Regulations (WAC 173-303); Washington State Water Quality Standards for Surface Water (WAC 173-201A); the substantive provisions of laws requiring or authorizing local government permits or approvals for the remedial action implementation; and Section 404 of the Clean Water Act, which requires approval to discharge dredged or filled materials into waters of the United States. Section 404 permits are regulated by the U.S. Army Corps of Engineers. A detailed list of the applicable laws is presented in Section 3.2.

SEPA is applicable to remedial actions at the Quendall Terminals site. Ecology is the lead agency for MTCA remedial actions performed under a Prospective Purchaser Consent Decree pursuant to WAC 197-11-253.

SEPA is triggered when governmental action is taken on a public or private proposal. Under WAC 197-11-784, proposals include both regulatory decisions of agencies and actions proposed by applicants. Ecology has determined that a SEPA checklist is required.

If Ecology determines that the proposal has a "probable significant adverse environmental impact," an EIS is required that examines the proposal's potential environmental problems and the options for mitigation. If Ecology determines that there is no probable significant adverse environmental impact, a Determination of Nonsignificance (DNS) is issued and the SEPA process is completed without an EIS. WAC 197-11-259 allows the DNS to be issued with the draft Cleanup Action Plan prepared pursuant to MTCA.

The SEPA checklist and Ecology's SEPA determination will be included in the CAP for this site. A public comment period is required for the SEPA determination. The SEPA public comment period will be combined with the comment period for the draft CAP to expedite and streamline public input.

3.7.7 Provision for Compliance Monitoring

The selected alternative provides for long-term monitoring to ensure that soil, groundwater, and sediment continue to meet cleanup standards after remedial actions are completed (WAC 173-340-410). Protection monitoring will be used to ensure that human health and the environment are protected during construction of the remedial systems, as will be described in the site health and safety plan. During remedial actions, performance monitoring will be conducted to confirm that cleanup actions have attained cleanup standards and treatment goals. After remedial actions are completed,

confirmational monitoring will be conducted to confirm and ensure that cleanup actions have attained cleanup standards and performance standards.

3.7.8 Use of Permanent Solutions

Under WAC 173-340-360(5), the cleanup action is required to use permanent solutions to the maximum extent practicable. The general provisions under this requirement include the following:

- The cleanup action uses permanent solutions wherever practicable
- The cleanup action maximizes the use of preferred treatment technologies, as specified in WAC 173-340-360(4) (i.e., preferred technologies favor reuse/recycling and destruction/detoxification)
- The cleanup action achieves cleanup standards without further action
- The cleanup action prevents or minimizes offsite migration of contaminants and provides for a net reduction in source materials
- The cleanup action does not rely solely on dilution, institutional controls, and/or monitoring.

WAC 173-340-360(5)(d) specifies that if a permanent solution is not practicable, the cleanup action shall be evaluated based on: a) the degree of overall protection of human health and environment; b) long- and short-term effectiveness; c) the degree of permanent reduction in toxicity, mobility, and volume of contaminants; d) implementability; e) cleanup cost; and f) community acceptance.

The selected remedial alternative uses technologies with a higher preference, according to MTCA (WAC 173-340-360(4)(a)), for the more heavily impacted areas of the site and for

the most critical exposure pathways. In addition, the selected remedial alternative utilizes institutional controls and engineering controls to ensure that the remedy is effective.

To the extent practicable, the proposed remedial actions provide a permanent solution. In those cases where the permanent solution is not practicable, remedies have been selected that provide the greatest compliance with items a through f shown above.

The excavation and treatment of DNAPL-affected soils is a permanent solution because: a) the DNAPL will be permanently removed from these soils, and b) the cleanup action uses a preferred treatment technology, prevents offsite migration, provides a net reduction in source materials, and does not rely solely on dilution, institutional controls, or monitoring.

The removal of all onsite DNAPL-affected soils is not feasible from a cost perspective because these soils extend a significant distance upland of the Lake Washington shoreline. The impact of these DNAPL-affected soils on Lake Washington water quality will be monitored and mitigated through the proposed remedial action. The monitoring will consist of the compliance monitoring in the mudline wells. The DNAPL recovery trenches (if required) and the contingent groundwater remedy will mitigate the impacts of these remaining DNAPL-affected soils.

Capping the site with either a 3-ft soil cap or with redevelopment features is not a permanent solution for PAH-affected soils. However, capping does provide a high degree of overall protectiveness, is effective in both the short and long term, is implementable, and has acceptable cleanup costs.

The removal of site DNAPL and the implementation of the contingent groundwater remedy (if required) are permanent solutions to groundwater issues at the site. The selected remedial alternative relies on preferred treatment technologies (because DNAPL removal and biosparging are destruction/detoxification technologies); minimizes the offsite migration of contaminants; and provides for a net reduction of the source material.

The removal of T-dock and nearshore seep sediments, and of wood waste greater than 50 percent, is a permanent solution. The proposed cleanup action maximizes the use of preferred technologies. Because it is a removal action, the proposed cleanup achieves cleanup standards without further action, and the cleanup action does not rely solely on institutional controls or monitoring. The removal of affected sediments achieves compliance with cleanup standards with no further action or controls.

3.7.8.1 Long-Term Effectiveness

The proposed remediation activities provide a high degree of long-term reliability (i.e., from the completion of remedial objectives until compliance and monitoring are completed). The integrity and long-term performance of the soil cap will be ensured by the development of proper site drainage, vegetation of the cap, and the placement of buildings during site redevelopment, as well as by the establishment of appropriate institutional controls. The removal and treatment of DNAPL-affected soil provides permanent removal of DNAPL. Long-term operation of the DNAPL recovery trenches (if required) and the contingent groundwater remedy (if required) ensures the long-term performance of the system. Operation and maintenance of the systems under consideration is simple and does not require highly specialized training, and financial assurance for their continued operation will be provided as specified by WAC 173-340-440. Sediment contaminants and wood waste will be removed and treated and/or recycled, leading to a permanent reduction in sediment contaminants.

3.7.8.2 Short-Term Effectiveness

Properly trained personnel will conduct all remediation efforts, and all appropriate safety precautions will be taken. The remediation contractor will have and will follow a health and safety plan. Health and safety monitoring will be conducted during remediation, and

personnel will use personal protective equipment appropriate for the level of safety required at the site. Excavation and dredging activities will lead to potential contact of workers with contaminants, as will operation and maintenance of the DNAPL recovery system (if required); appropriate precautionary measures will be taken during the performance of these activities. Offsite transport of recovered DNAPL will be managed in appropriate transport trucks and in accordance with applicable Department of Transportation regulations. The cleanup action will be performed over a limited time frame, thereby limiting potential exposure time.

3.7.8.3 Reduction of Toxicity, Mobility, or Volume Through Treatment

The reduction of toxicity, mobility, or volume through treatment criteria is a reflection of Ecology's expectation, under WAC 173-340-360(5)(d)(i)(v), to implement remedial actions that employ treatment technologies that permanently and significantly reduce the toxicity, mobility, and volume of the hazardous substances. The proposed remedial actions provide a high degree of reduction of toxicity, mobility, and volume of the CoCs at the site. The proposed soil actions reduce the mobility and volume of the CoCs by physically removing the DNAPL-affected soils and by capping the remainder of the site. The groundwater remedial actions reduce the volume of DNAPL and DNAPL-affected groundwater through both the DNAPL recovery trenches (if required) and the contingent groundwater remedy (if required). The sediment remedial actions reduce the volume of wood waste and PAH-affected sediments by removing and/or treating these sediments.

3.7.8.4 Implementability

The implementability criterion includes an evaluation of the technical and administrative feasibility of implementing the alternative and the availability of various services and materials required for implementation.

The proposed remedial alternative uses demonstrated, readily available technologies that can be installed using conventional construction and marine equipment. None of the remedial measures involves use of complex equipment or requires complex operation and maintenance. The proposed construction schedule allows sufficient time to identify and obtain the necessary construction permits, and to identify and establish specific institutional controls.

3.7.8.5 Cost and Effectiveness

A cost estimate was prepared for the selected remedial alternative. This estimate includes the capital cost portion of the cleanup. The cost estimate and the assumed unit costs are included in Appendix E. The total estimated cleanup cost is $17.3 million.

3.7.9 Reasonable Restoration Time Frame

The selected remedial approach includes substantial source excavation and treatment followed by capping of residual affected soil. Source removal and treatment will be performed using standard earth-moving equipment and techniques. Excavation and treatment of these source areas, both upland and in water, can be completed in less than two years. Completion of the capping of affected soil depends on the site development schedule because landscaping, parking lots, and building foundations all constitute portions of the cap. This work is anticipated to begin during site remediation activities, but the schedule for the redevelopment activities has not been determined.

3.7.10 Consideration of Public Concerns

Public input will be solicited through the public involvement process. This process includes the opportunity for the public to read and formally comment on the RI/FFS and

CAP documents. Assessment of the community acceptance criterion for the alternative will be completed following input from the public.

3.7.11 Summary

The remediation technologies discussed in this RI/FFS were selected partly on the basis of their ability to meet the desired rapid site remediation and redevelopment time frame. The start date for implementation of the cleanup action is currently expected to occur in the summer of 2000, and it is anticipated that the implementation of the remedial actions will be completed by the fall of 2002. This schedule will permit the redevelopment and reuse of an important part of the City's waterfront.

Properly trained personnel will conduct all remediation efforts, and all appropriate safety precautions will be taken. The remediation contractor will have and follow a health and safety plan. Health and safety monitoring will be conducted during remediation, and personnel will use personal protective equipment appropriate for the level of safety required at the site.

The proposed remedial actions use demonstrated, readily available technologies that can be installed using conventional construction and marine equipment. None of the remedial measures involves use of complex equipment or requires complex operation and maintenance. The proposed construction schedule will allow sufficient time to identify and obtain the necessary construction permits, and to identify and establish specific institutional controls.

The total estimated cleanup cost is $17,300,000. The detailed cost estimate is shown in Appendix E.

3.8 Implementation Schedule

The implementation schedule allows for preparation of additional documents that will be submitted to Ecology prior to initiation of the cleanup actions. The CAP is being submitted concurrently with this RI/FPS. The other documents to be submitted will comply with WAC 173-340-400(4) and will include designs, construction plans, and operational descriptions of the cleanup action. These submittals include:

- An engineering design report that describes the engineering concepts and design criteria used for the design of the cleanup action. The engineering design report will address the requirements of WAC 173-340-400(4)(a).
- Construction plans and specifications, as required in WAC 173-340-400(4)(b).
- An operation and maintenance plan, as required in WAC 173-340-400(4)(c).
- Construction documentation, including appropriate as-built drawings, as required in WAC 173-340-400(7)(b)(ii).

Preparation of these documents is currently expected to begin in late 1999. It is anticipated that remediation construction will commence in the summer of 2000 and that remediation will be completed by October 1, 2002.

3.9 Geotechnical Piling Technologies

The use of driven steel piles at the site has been proposed as the preferred foundation alternative for support of the redevelopment structures. The site is underlain by organic, compressible sediments and potentially liquefiable soils to depths as great as 60 ft, necessitating a deep (80- to 90-ft) foundation with a high bearing capacity (Shannon & Wilson 1997). Geotechnical piles will be installed in areas that have been shown to contain DNAPL, affected groundwater, and affected soil. CoCs have been documented in the shallow site soil, shallow groundwater, and deeper groundwater at the site.

Because CoCs have been documented in site soil and groundwater, piling technology methods have been examined to ensure that further groundwater effects will be minimized. Piling technology could affect groundwater in two ways: installation of geotechnical piles could cause dragdown of contaminants, and hydraulic conductivity around the pilings could change after installation.

3.9.1 Dragdown of Contaminants During Pile Driving

During pile driving, a film of soil from upper layers may adhere to the surface of the pile and be dragged into lower layers along the perimeter of the pile to a maximum depth of approximately 20 pile diameters (Tomlinson 1971; Bowles 1996). This represents a potential one-time hazard that will exist only during installation of the piles. Because the sides of the piles are smooth, the quantity of soil adhering to the sides of the piles would be limited. Also, the majority of the CoCs are present in the shallow zones. The deeper portions of the aquifer at the site are below the potential "smear zone." Assuming a steel pipe diameter of less than 2 ft, the contaminant dragdown depth would be a maximum of (and most likely much less than) 40 ft.

3.9.2 Increase in Vertical Hydraulic Conductivity in the Vicinity of the Pile

Changes in hydraulic conductivity around a driven pile are associated with a disturbed region that develops around the perimeter of the pile. The soils at the Quendall Terminals site are a composite of layers of sands, silts, clays, and peat, which respond to pile driving in different ways.

Piles driven into loose, sandy soils cause compaction by displacement and vibration of the soils to a horizontal distance of three to four pile diameters from the pile face (Poulos and Davis 1990). This results in an increased relative density and a decreased soil hydraulic conductivity.

Pile driving in cohesive materials (clays) results in a remolded zone around the pile. The remolded zone is a zone of excess pore water pressures and temporary loss of strength. Over time, the excess pore water pressures dissipate into the surrounding soils, and soil strength is regained. Soil strength is regained because structural bonds between particle assemblages are restored, and also because of consolidation. The final result is that the soil in the disturbed zone has a lower void ratio than the soil in the intact zone beyond it. A lower void ratio corresponds to a lower hydraulic conductivity. Therefore, the zone of soil surrounding the pile provides more resistance to contaminant transport than the preconstruction conditions.

The remolded zone varies depending on pile and soil characteristics, but is generally limited to two to four pile diameters from the pile surface. Beyond approximately two to four pile diameters, the excess pore pressures rapidly decrease, and beyond approximately 15 pile diameters there is essentially no disturbance to the soils from pile driving (Poulos and Davis 1990).

The rate of strength regain and reduction in hydraulic conductivity is related to the rate of dissipation of excess pore pressures, which is a function of the size of the void spaces. For sandy soils, the dissipation of excess pore pressures occurs relatively rapidly, and

piles driven in sands are often tested for bearing capacity 24 to 48 hours after driving. Piles in cohesive soils are commonly tested one to three months after driving, although the original strength may take as long as six to nine months to regain (Bowles 1996).

3.9.3 Summary

The increased risk of further groundwater contamination at the Quendall Terminals site due to pile driving is low. Dragdown of contaminants during pile driving is generally limited to a depth of 20 pile diameters, which implies that the "smear zone" is confined within the depth of contamination and will not introduce further contamination to the deeper aquifer. Pile driving will result in a zone around the pile that has a lower hydraulic conductivity than the preconstruction conditions, thereby limiting contaminant transport.

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Figures

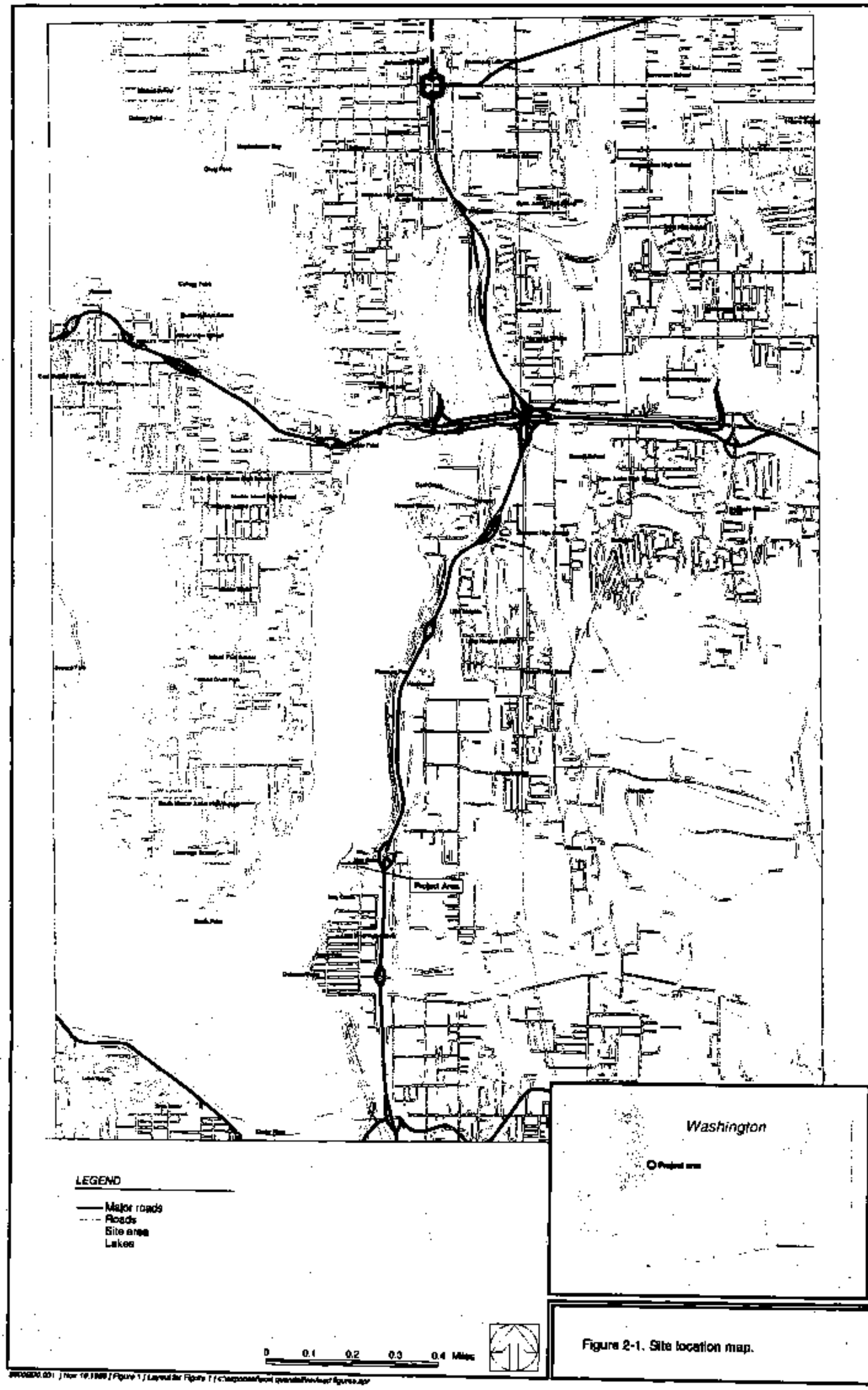


Figure 2-1. Site location map.

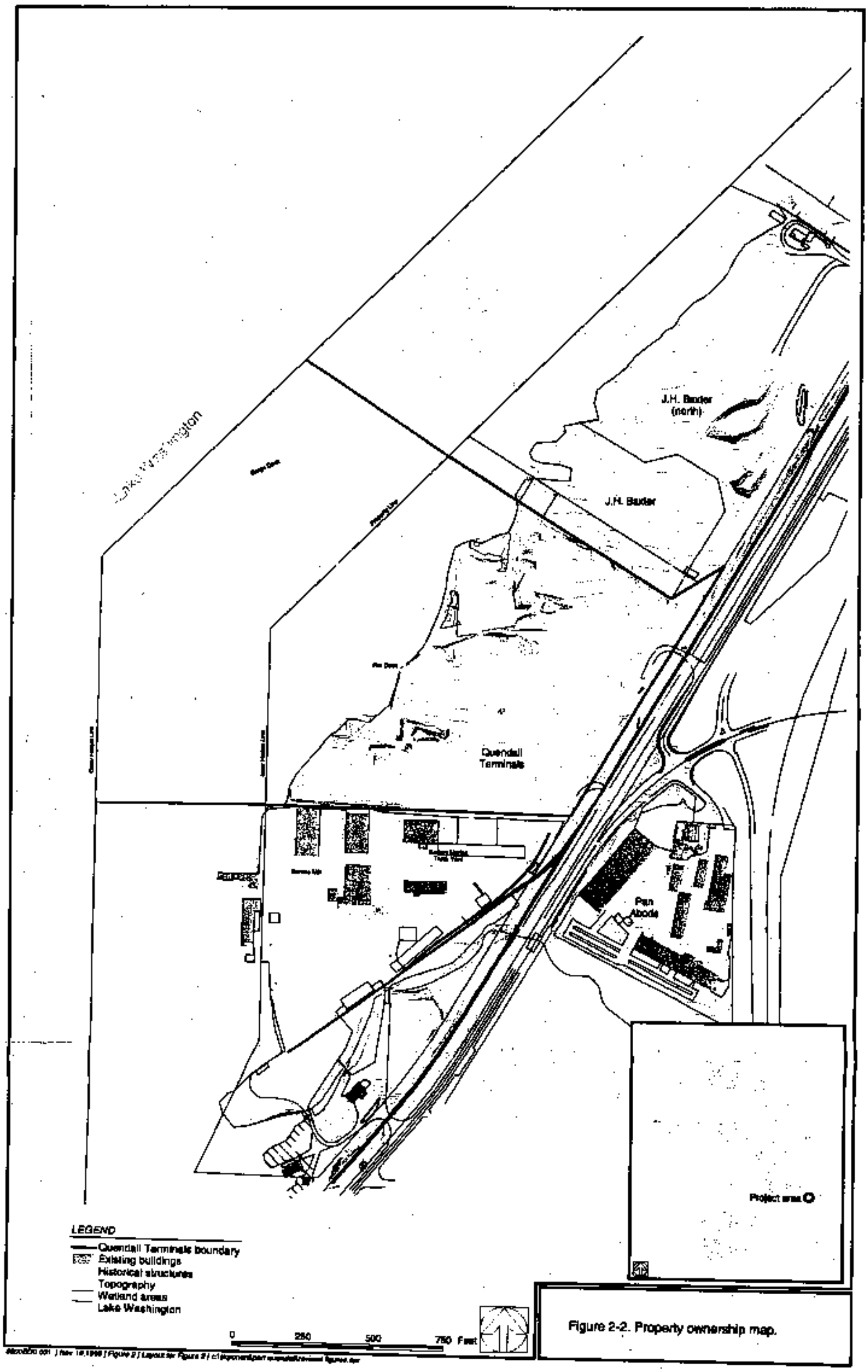


Figure 2-2. Property ownership map.

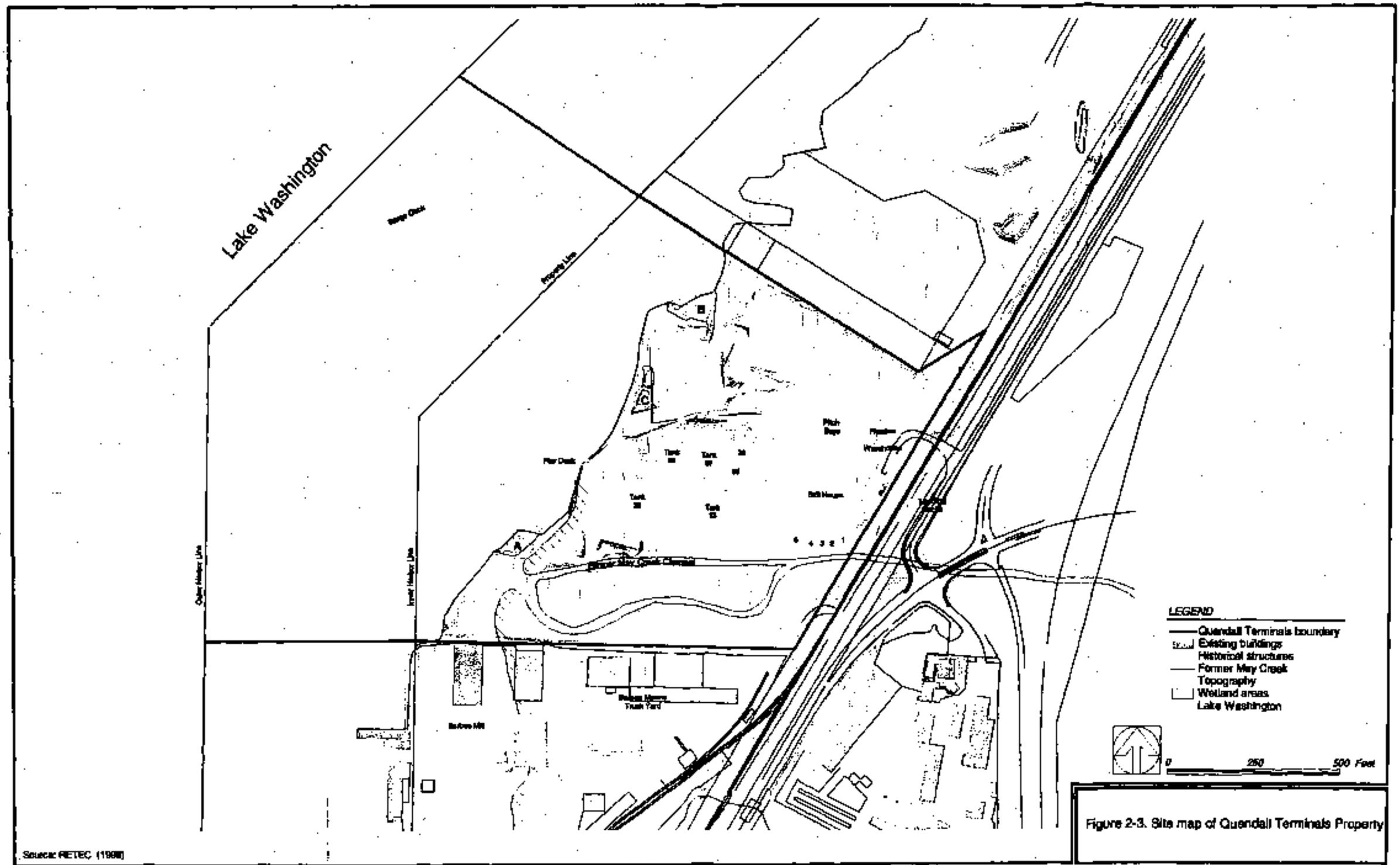


Figure 2-3. Site map of Quendall Terminals Property

Source: RETEC (1998)

[illegible]

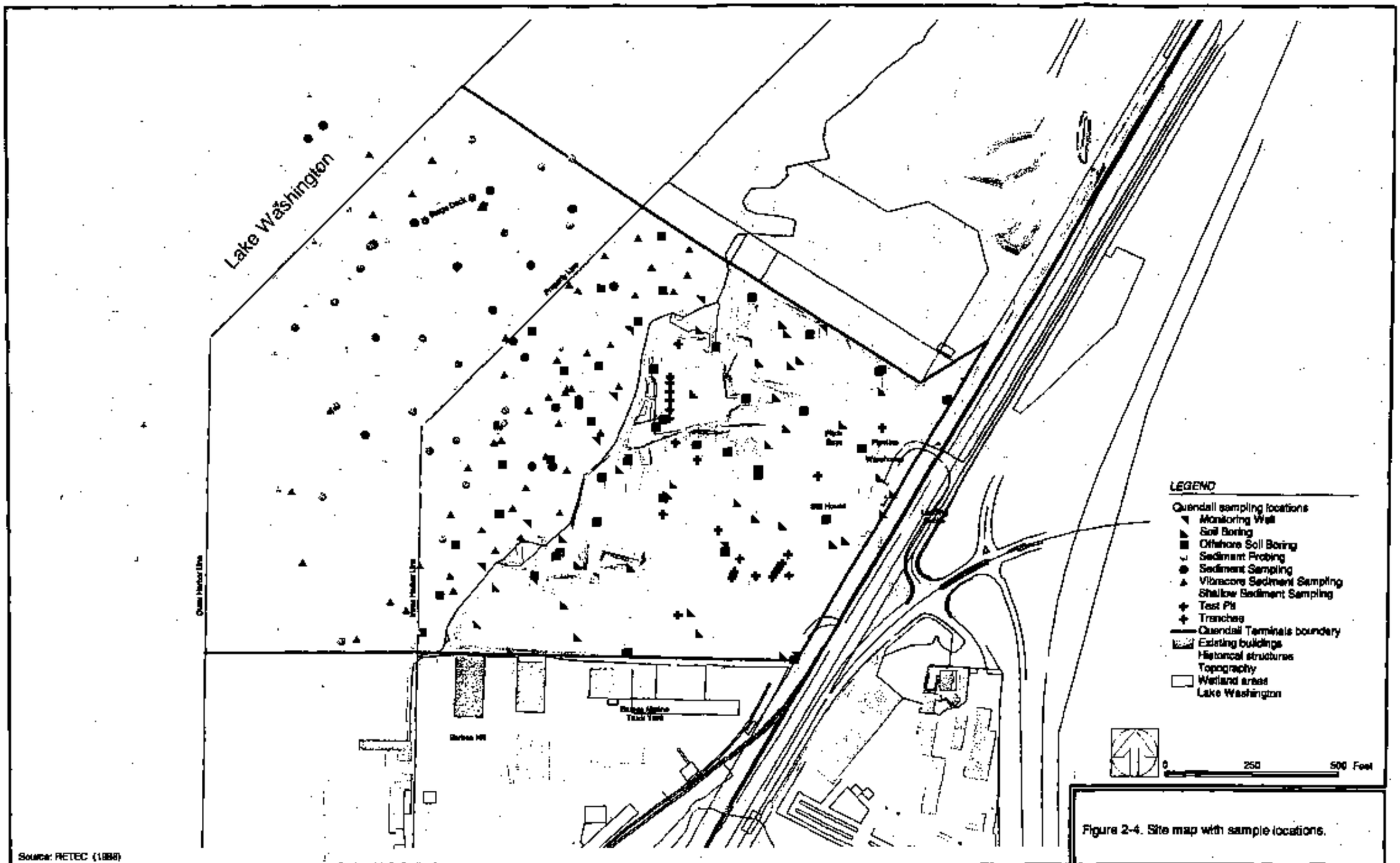
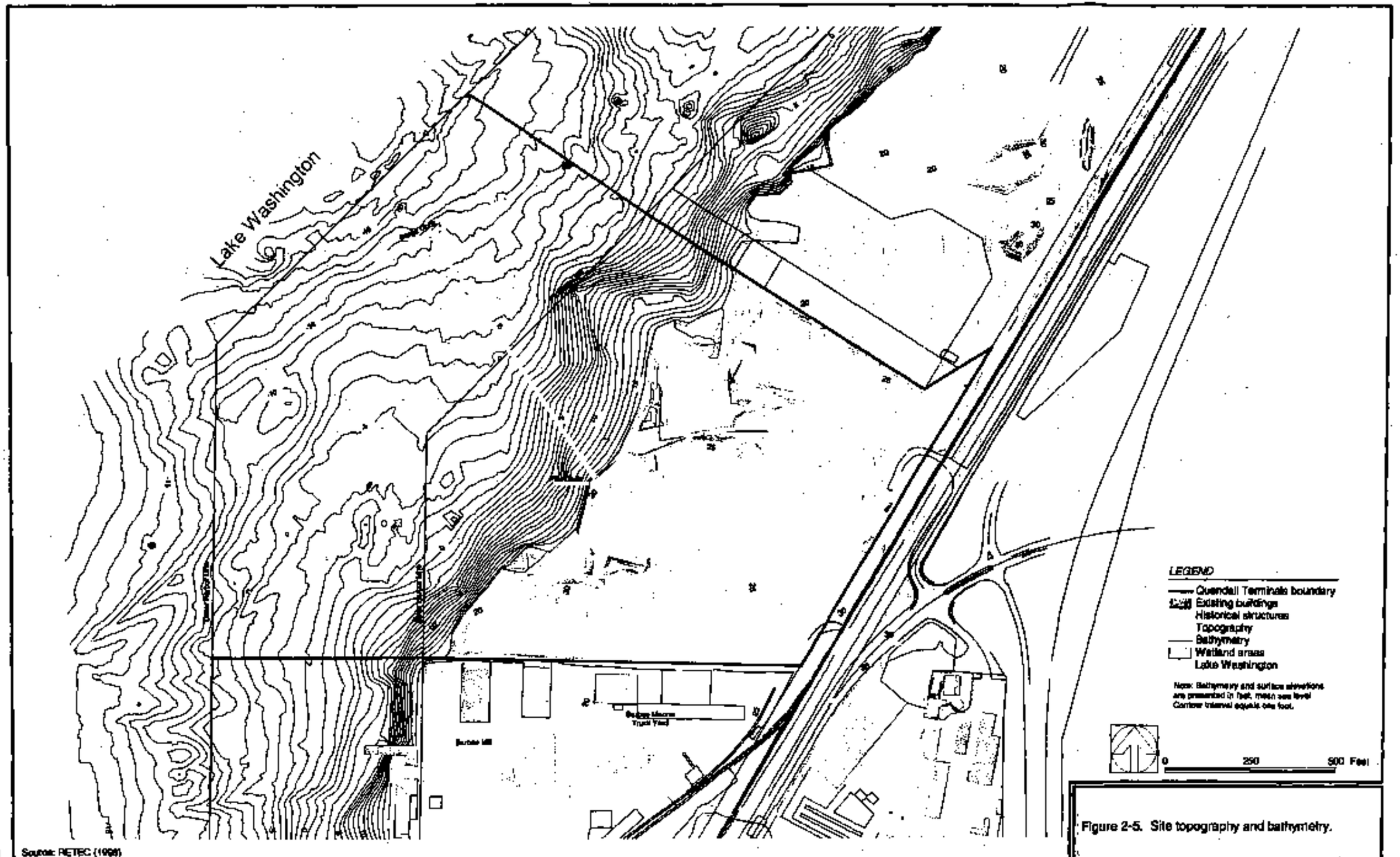


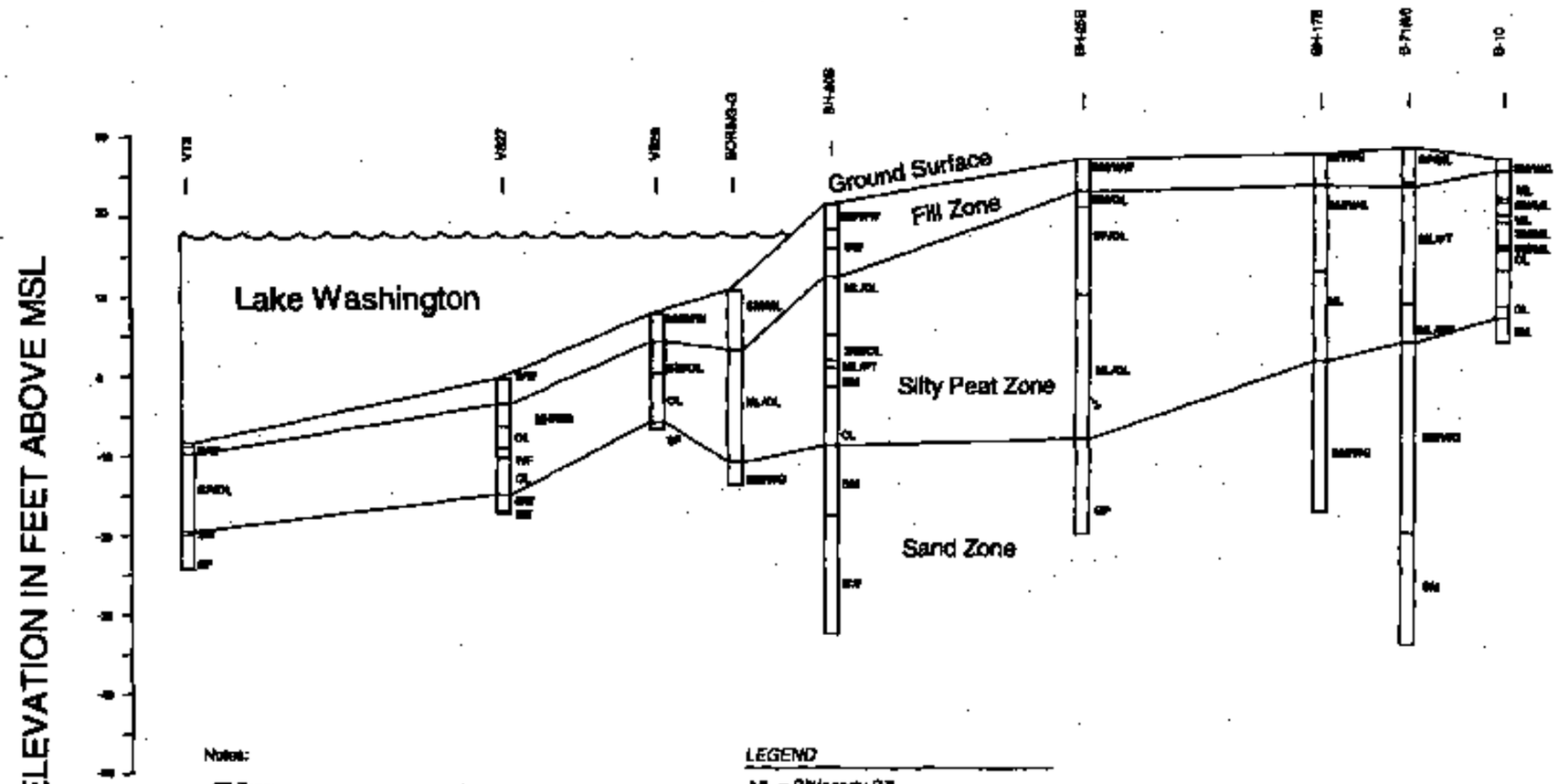
Figure 2-4. Site map with sample locations.

Source: RETEC (1998)



Source: RETEC (1998)

Figure 2-5. Site topography and bathymetry.



Notes:

Fill Zone:
Includes (1) dredged fill consisting of loose-to-medium dense wet silty fine sand, or fine to medium sand and (2) dumped fill containing clay, silt sand, gravel, rubble, wood and other debris. The dredged fill may be present along the former Lake Washington shorelines and appear similar to the May Creek deltaic deposits.

Silty Peat Zone:
Consists of soft to stiff, dark brown to gray silty peat, organic woody silt, and silty fine sand with interbedded gray to brown clay, silt, sand, and occasional lenses.

Sand Zone:
Consists of gray dense, to medium dense, fine to coarse grained sand and gravel, with cobbles, and interbedded gray silty fine grained sand, and silt lenses.

LEGEND

ML = Silt/sandy Silt
WG = With Gravel
MH = Clayey Silt
GW = Well Graded Gravel
OL = Organic Silt
GP = Poorly Graded Gravel
CL = Lean Clay
SW = Well Graded Sand
CH = Fat Clay
SP-SM = Poorly Graded Sand and Silt, or Sand, Silt, and Gravel
WF = White Fly Ash
SM = Silty Sand
WW = Wood Waste
SC = Clayey Sand
PT = Peat
CD = Construction Debris

0 250 500 Feet

Source: RETEC (1998)

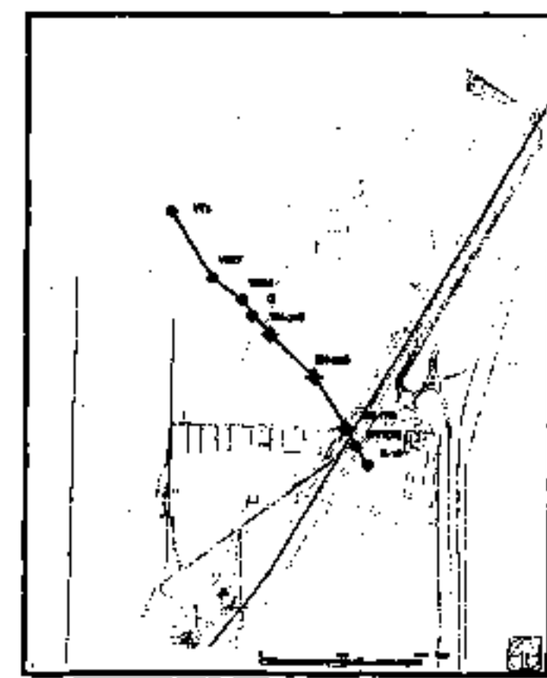


Figure 2-6. Geologic cross section perpendicular to Lake Washington shoreline.

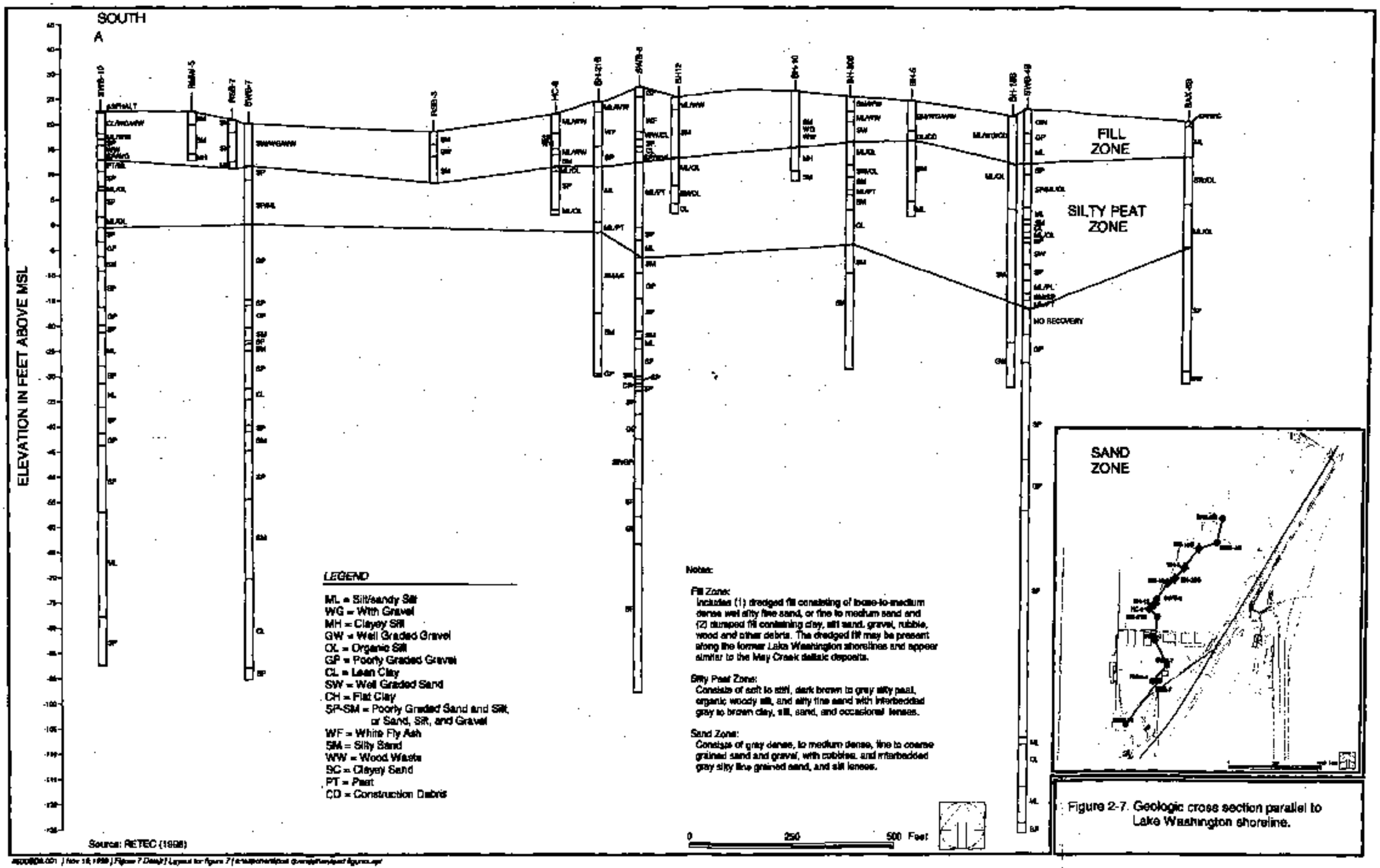


Figure 2-7. Geologic cross section parallel to Lake Washington shoreline.

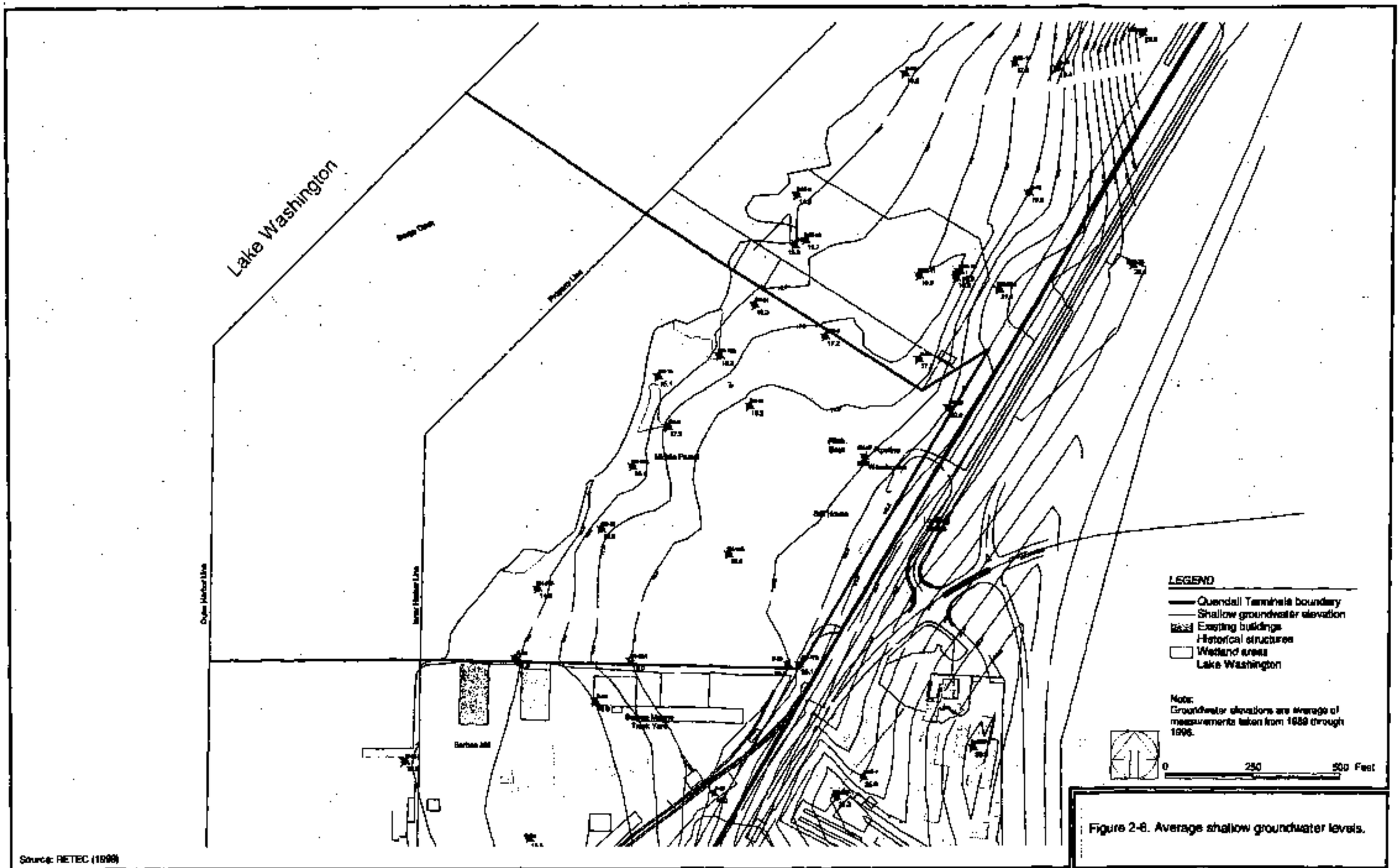
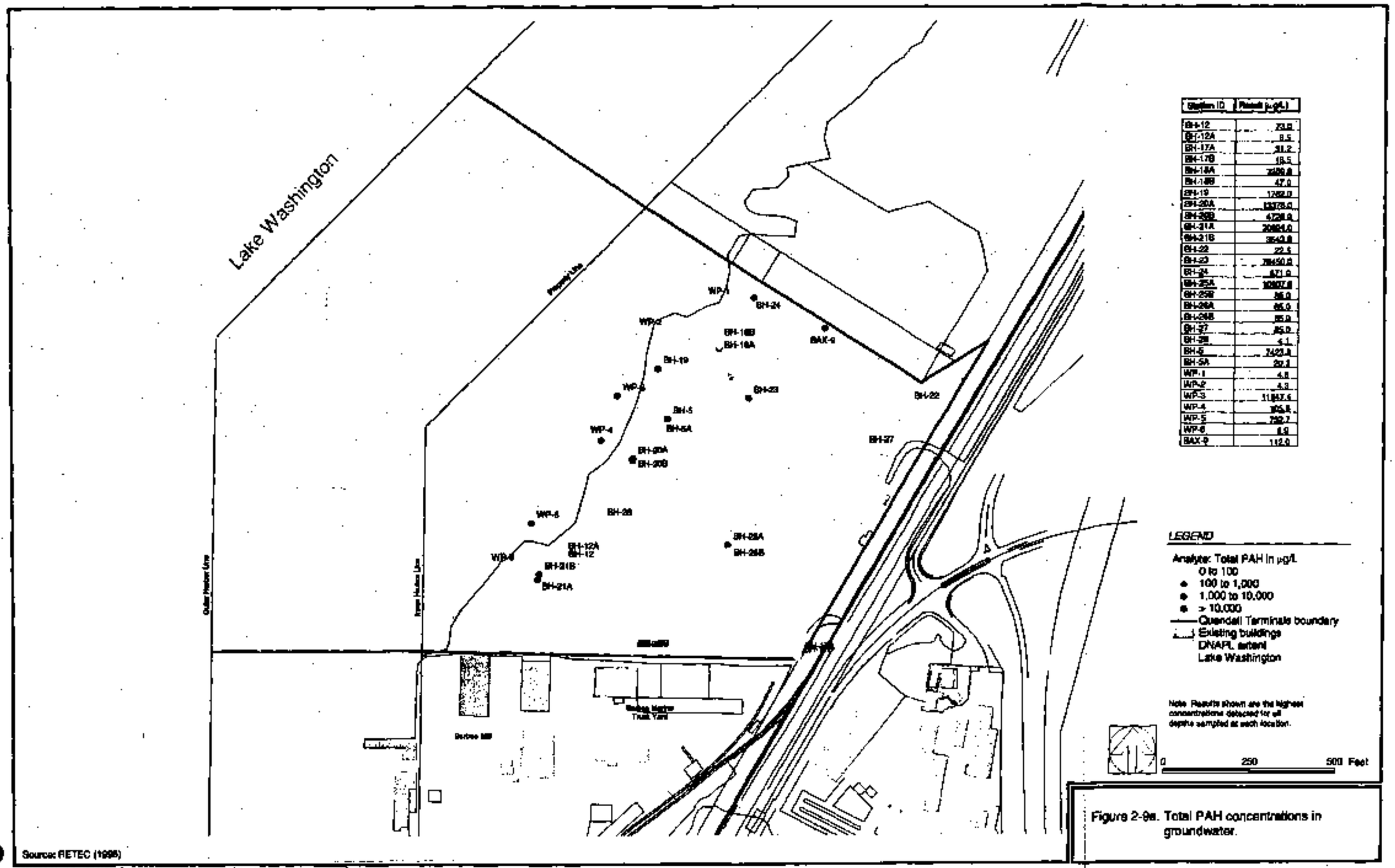


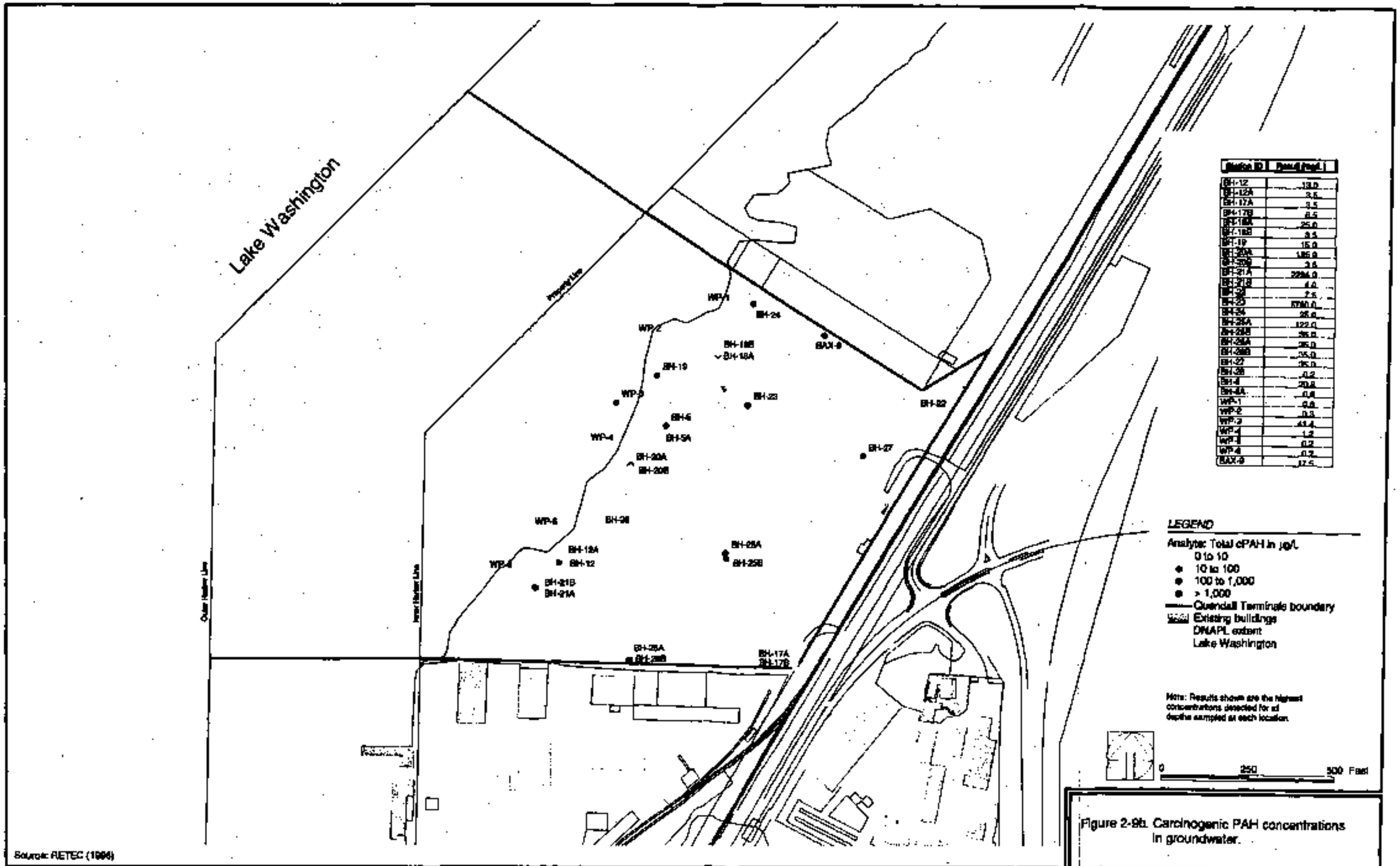
Figure 2-6. Average shallow groundwater levels.

Source: RETEC (1998)



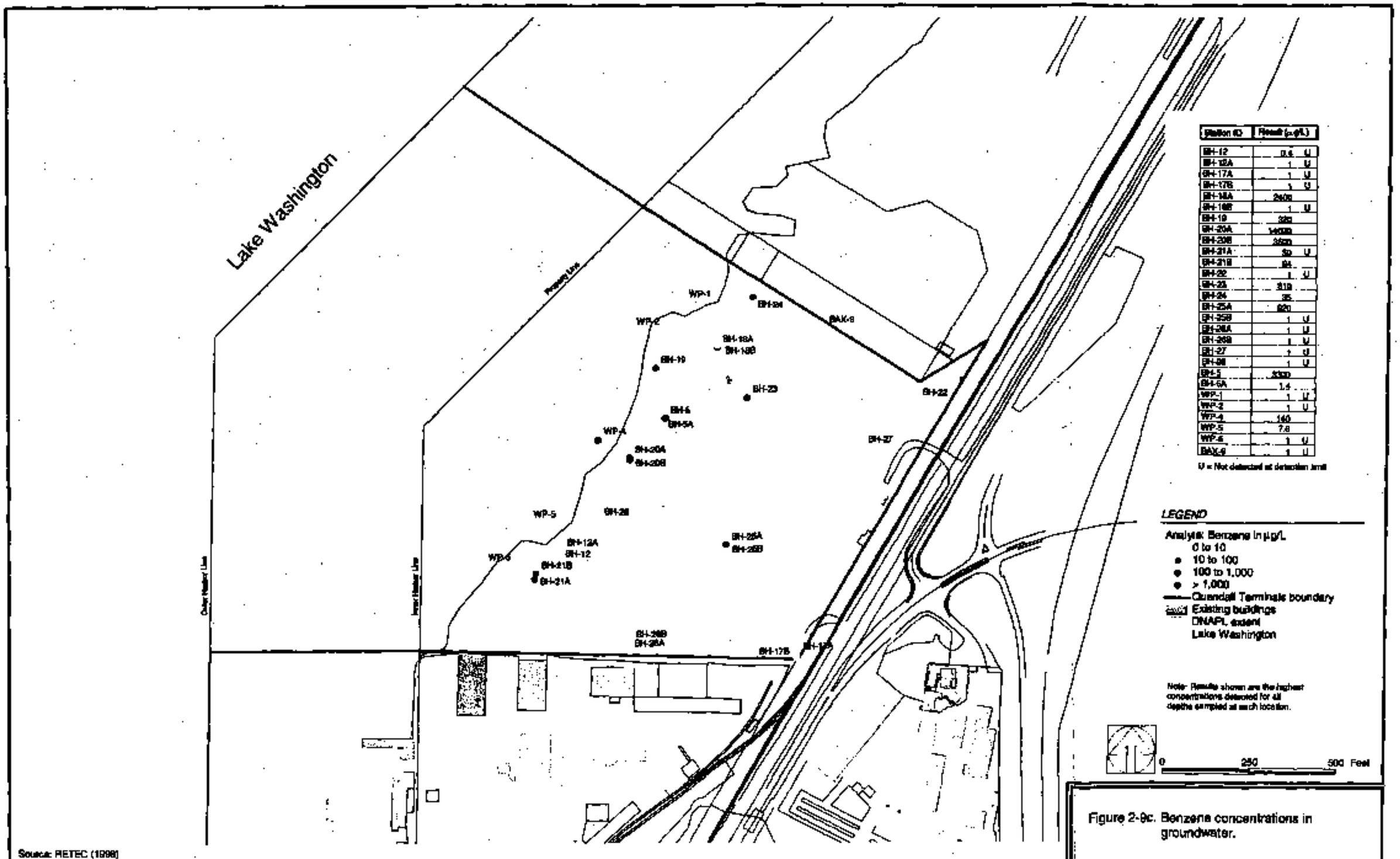
Source: RETEC (1998)

Figure 2-9a. Total PAH concentrations in groundwater.



Source: RETEC (1996)

Figure 2-9b. Carcinogenic PAH concentrations in groundwater.

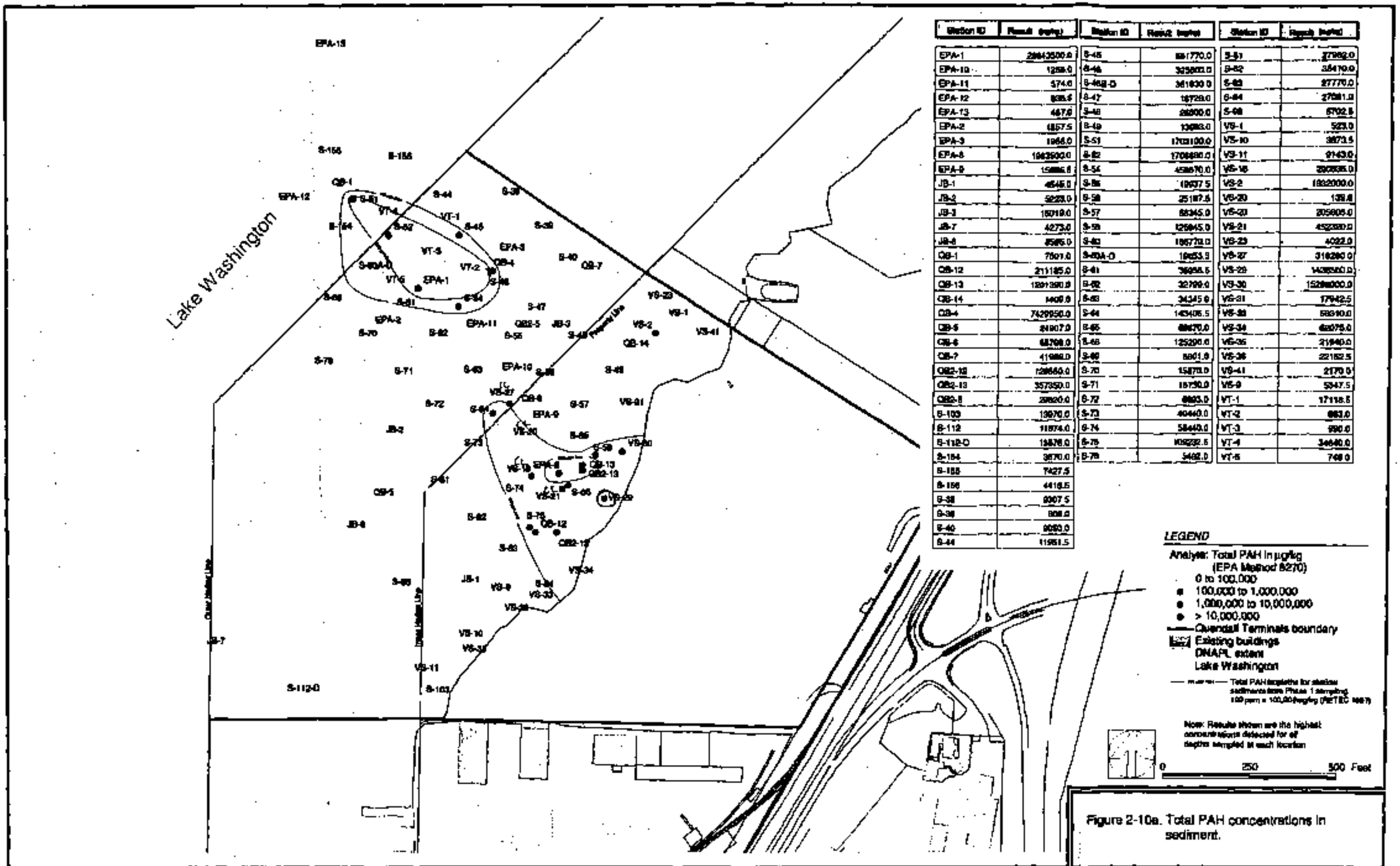


Station ID	Result (µg/L)	
BH-12	0.4	U
BH-12A	1	U
BH-17A	1	U
BH-17B	1	U
BH-18A	2400	
BH-18B	1	U
BH-19	320	
BH-20A	14000	
BH-20B	3600	
BH-21A	50	U
BH-21B	84	
BH-22	1	U
BH-23	810	
BH-24	35	
BH-25A	820	
BH-25B	1	U
BH-26A	1	U
BH-26B	1	U
BH-27	1	U
BH-28	1	U
BH-5	3100	
BH-5A	1.4	
WP-1	1	U
WP-2	1	U
WP-4	140	
WP-5	7.8	
WP-6	1	U
BAK-6	1	U

U = Not detected at detection limit

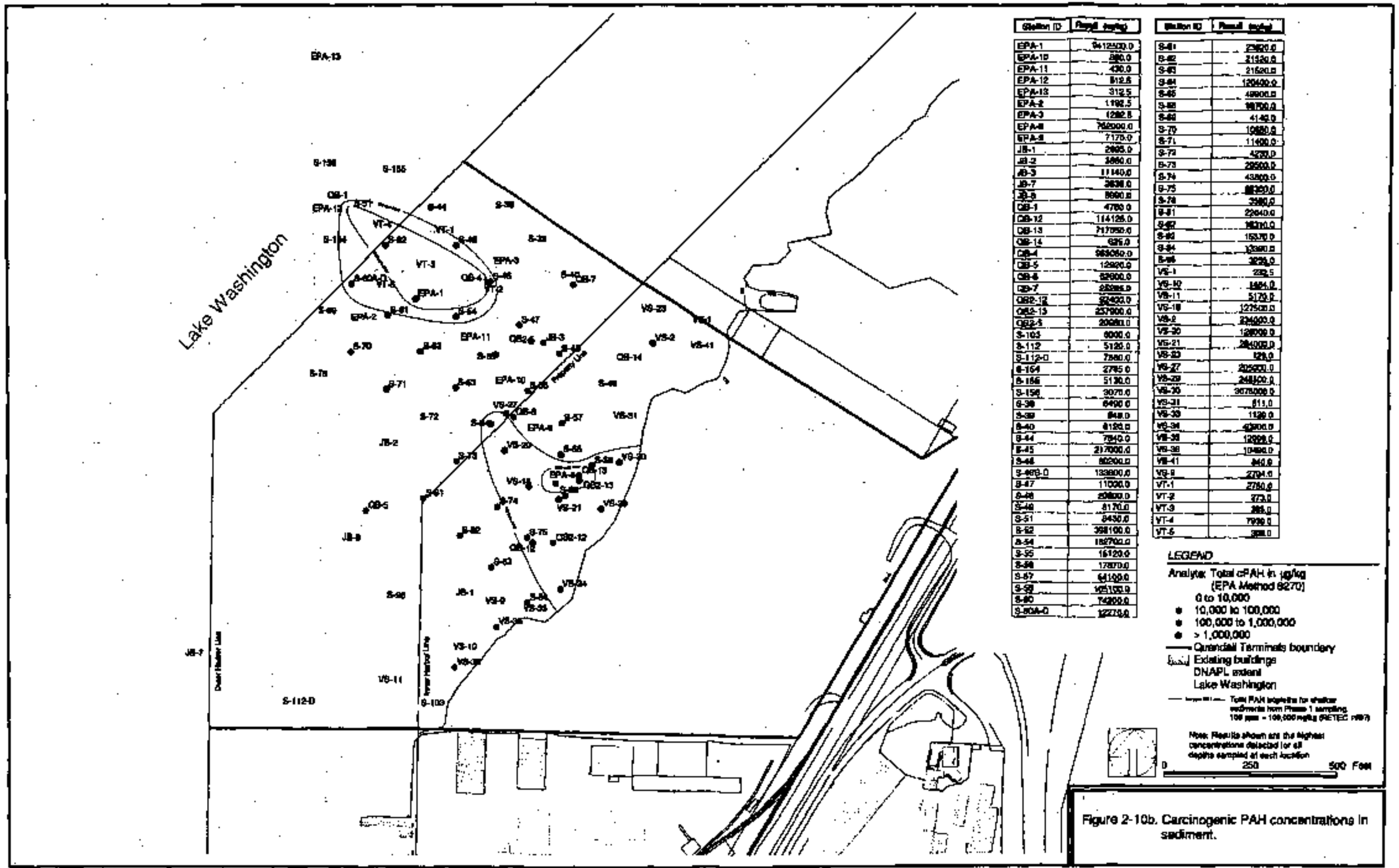
Source: RETEC (1998)

Figure 2-9c. Benzene concentrations in groundwater.



Station ID	Result (ug/kg)	Station ID	Result (ug/kg)	Station ID	Result (ug/kg)
EPA-1	28843500.0	S-45	881770.0	S-51	27962.0
EPA-10	1258.0	S-46	325800.0	S-52	35470.0
EPA-11	574.0	S-46B-D	361830.0	S-53	27770.0
EPA-12	835.5	S-47	16729.0	S-54	27081.0
EPA-13	467.0	S-48	26800.0	S-55	5702.5
EPA-2	1857.5	S-49	13083.0	VS-1	523.0
EPA-3	1966.0	S-51	1703100.0	VS-10	3873.5
EPA-8	1963500.0	S-52	1706880.0	VS-11	9143.0
EPA-9	15886.5	S-54	458670.0	VS-16	290835.0
JB-1	4545.0	S-56	19937.5	VS-2	1832000.0
JB-2	5223.0	S-56	25187.5	VS-20	139.8
JB-3	16019.0	S-57	68345.0	VS-20	205805.0
JB-7	4273.0	S-58	125845.0	VS-21	452320.0
JB-8	8585.0	S-60	186770.0	VS-23	4022.0
QB-1	7501.0	S-60A-D	19653.5	VS-27	318280.0
QB-12	211185.0	S-61	36958.5	VS-29	1438500.0
QB-13	1201390.0	S-62	32799.0	VS-30	15298000.0
QB-14	1409.0	S-63	34345.0	VS-31	17942.5
QB-4	7429950.0	S-64	143406.5	VS-33	58310.0
QB-5	24907.0	S-65	68670.0	VS-34	62075.0
QB-6	68798.0	S-68	125290.0	VS-35	21940.0
QB-7	41988.0	S-69	8801.0	VS-36	22152.5
QB2-12	128660.0	S-70	15870.0	VS-41	2170.0
QB2-13	357350.0	S-71	16730.0	VS-9	5347.5
QB2-8	29820.0	S-72	6893.0	VT-1	17118.5
S-103	13970.0	S-73	40440.0	VT-2	663.0
S-112	11874.0	S-74	58440.0	VT-3	990.0
S-112-D	13876.0	S-75	109232.5	VT-4	34640.0
S-154	3870.0	S-76	5482.0	VT-5	748.0
S-155	7427.5				
S-156	4416.5				
S-38	9307.5				
S-39	808.0				
S-40	9050.0				
S-44	11951.5				

Figure 2-10a. Total PAH concentrations in sediment.



Station ID	Result (mg/kg)
EPA-1	9412500.0
EPA-10	880.0
EPA-11	430.0
EPA-12	812.5
EPA-13	312.5
EPA-2	1192.5
EPA-3	1282.5
EPA-8	762000.0
EPA-9	7170.0
JB-1	2905.0
JB-2	3860.0
JB-3	11140.0
JB-7	3838.0
JB-8	8690.0
OB-1	4760.0
OB-12	114125.0
OB-13	717050.0
OB-14	625.0
OB-4	983050.0
OB-5	12920.0
OB-6	52900.0
OB-7	25285.0
OB2-12	324020.0
OB2-13	237900.0
OB2-5	20280.0
S-103	6000.0
S-112	5120.0
S-112-D	7560.0
S-154	2785.0
S-156	5130.0
S-158	3070.0
S-38	6490.0
S-39	848.0
S-40	8120.0
S-44	7840.0
S-45	217000.0
S-46	80200.0
S-46B-D	133800.0
S-47	11000.0
S-48	208800.0
S-49	8170.0
S-51	8430.0
S-52	398100.0
S-54	182700.0
S-55	16120.0
S-56	17870.0
S-57	64100.0
S-58	1051100.0
S-60	74200.0
S-60A-D	12270.0

Station ID	Result (mg/kg)
S-61	23820.0
S-62	21520.0
S-63	21520.0
S-64	120400.0
S-65	49900.0
S-66	98700.0
S-68	4140.0
S-70	10680.0
S-71	11400.0
S-72	4220.0
S-73	28500.0
S-74	43800.0
S-75	88350.0
S-76	3580.0
S-81	22640.0
S-82	98310.0
S-83	153170.0
S-84	13380.0
S-86	3230.0
VS-1	232.5
VS-10	1484.0
VS-11	5170.0
VS-18	1275000.0
VS-2	234000.0
VS-20	128000.0
VS-21	284000.0
VS-23	120.0
VS-27	205000.0
VS-29	248100.0
VS-30	3078000.0
VS-31	811.0
VS-33	1120.0
VS-34	42900.0
VS-35	12000.0
VS-36	10480.0
VS-41	840.0
VS-9	2704.0
VT-1	2760.0
VT-2	273.0
VT-3	385.0
VT-4	7930.0
VT-5	398.0

Figure 2-10b. Carcinogenic PAH concentrations in sediment.

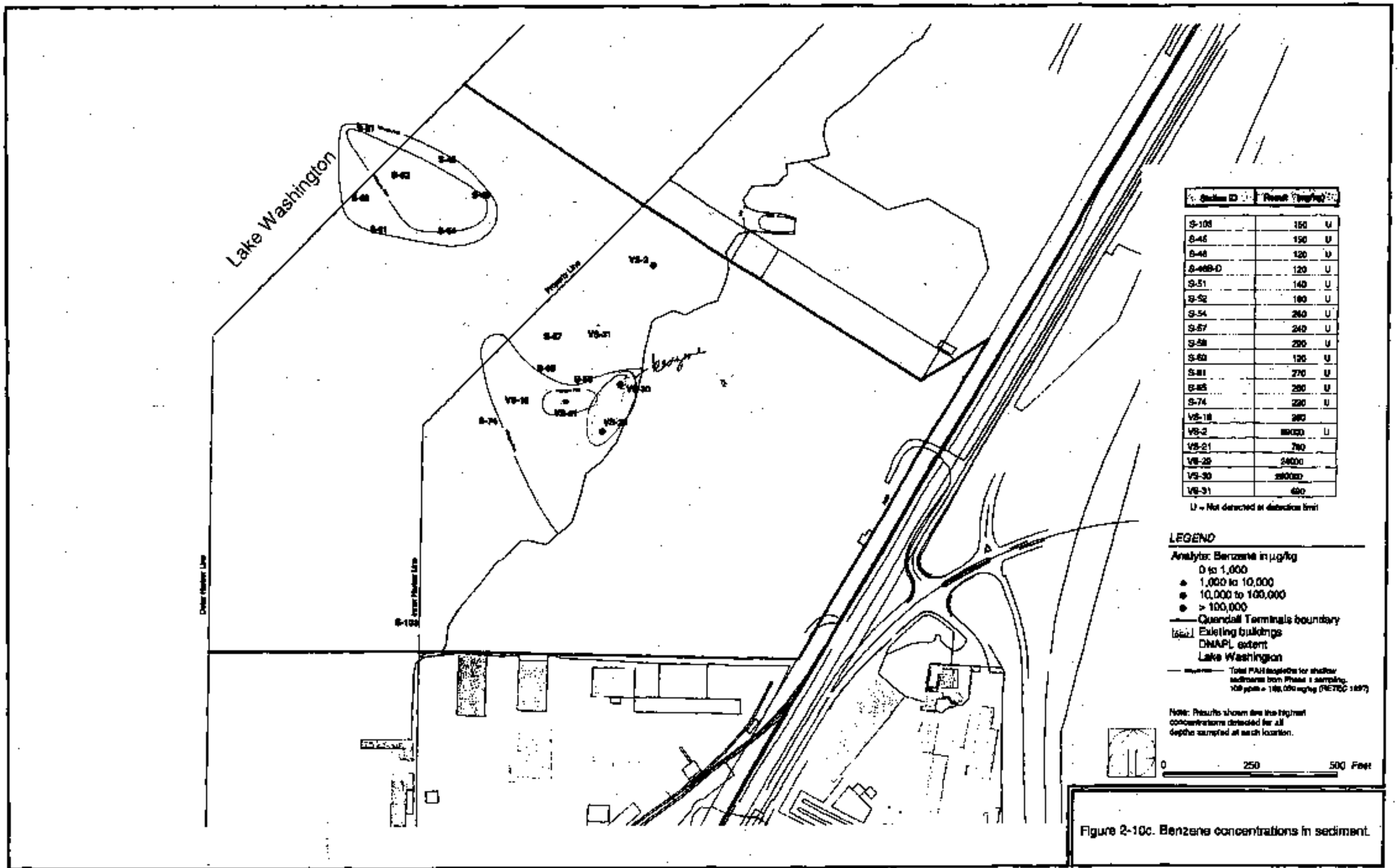
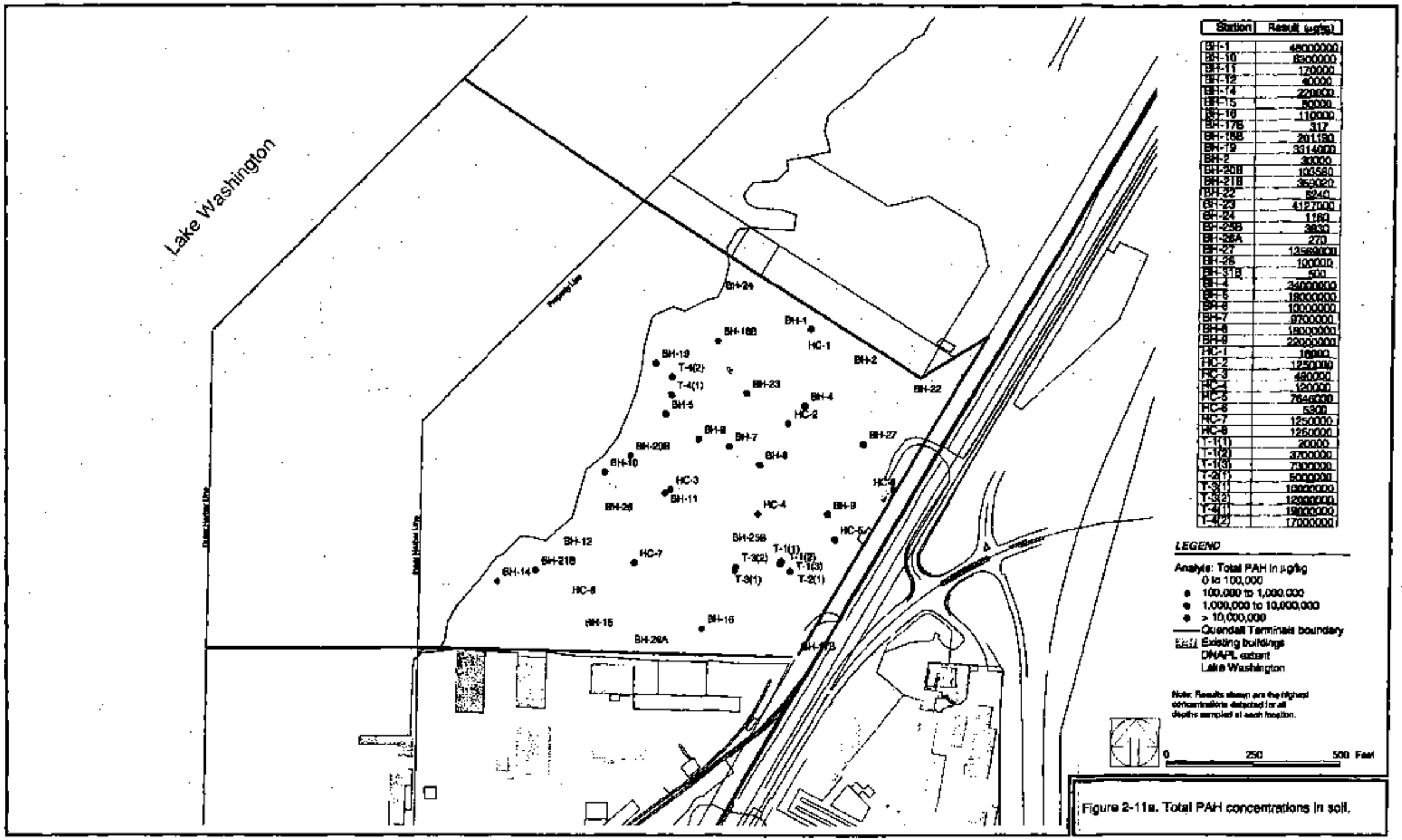


Figure 2-10c. Benzene concentrations in sediment.



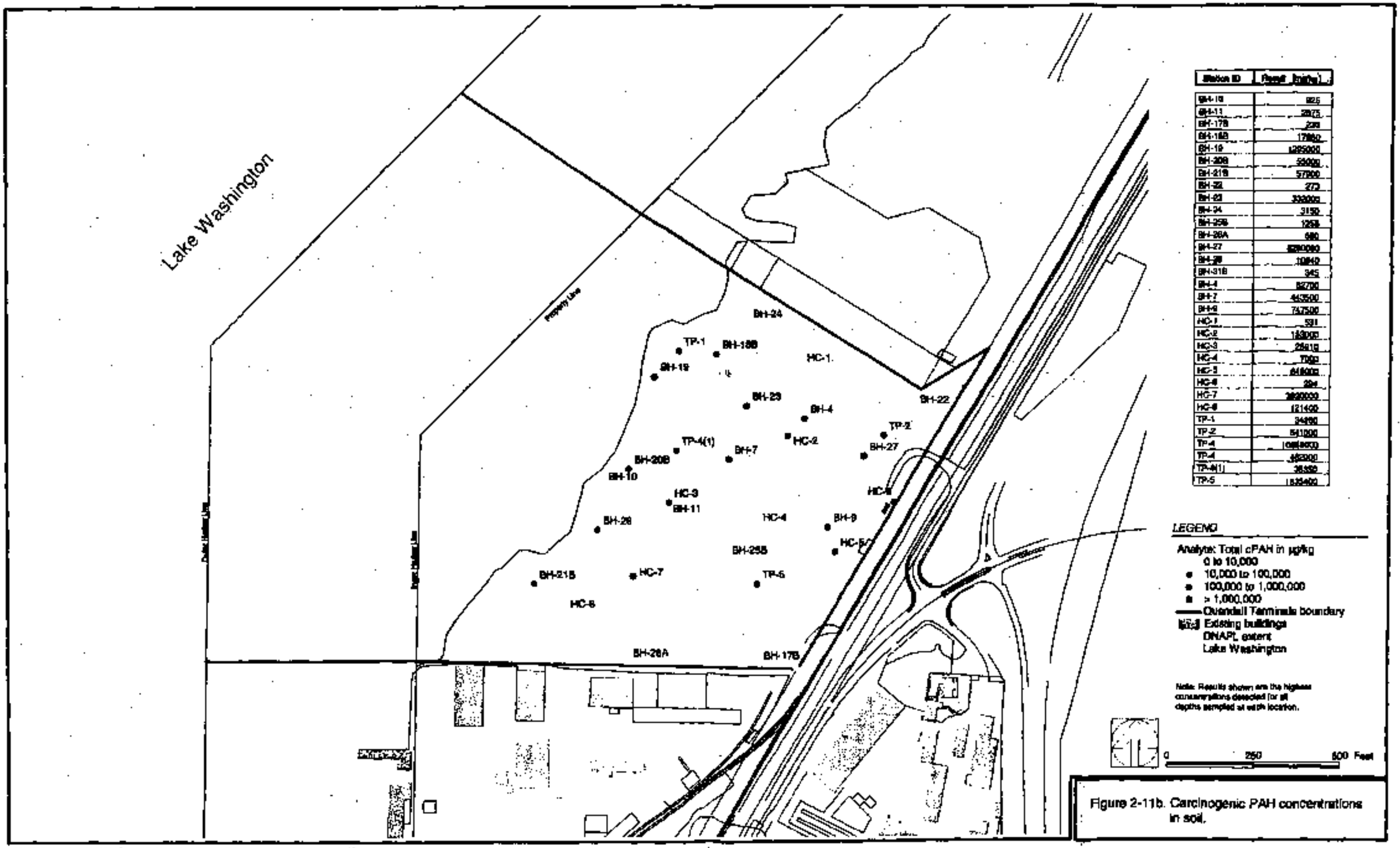
Station	Result (µg/kg)
BH-1	48000000
BH-10	6300000
BH-11	170000
BH-12	40000
BH-14	220000
BH-15	50000
BH-16	110000
BH-17B	317
BH-18B	201150
BH-19	3314000
BH-2	30000
BH-20B	103580
BH-21B	350020
BH-22	6240
BH-23	4127000
BH-24	1160
BH-25B	3830
BH-26A	270
BH-27	13569000
BH-28	100000
BH-31B	500
BH-4	34000000
BH-5	18000000
BH-6	10000000
BH-7	9700000
BH-8	18000000
BH-9	22000000
HC-1	18000
HC-2	1250000
HC-3	480000
HC-4	120000
HC-5	7640000
HC-6	5300
HC-7	1250000
HC-8	1250000
T-1(1)	20000
T-1(2)	3700000
T-1(3)	7300000
T-2(1)	5000000
T-3(1)	10000000
T-3(2)	12000000
T-4(1)	19000000
T-4(2)	17000000

LEGEND

Analyte: Total PAH in µg/kg
- 0 to 100,000
- 100,000 to 1,000,000
- 1,000,000 to 10,000,000
- > 10,000,000
- Quendall Terminals boundary
- Existing buildings
- DNAPL extent
- Lake Washington

Note: Results shown are the highest concentrations detected for all depths sampled at each location.

Figure 2-11a. Total PAH concentrations in soil.



Station ID	Result (mg/kg)
BH-10	925
BH-11	2875
BH-17B	230
BH-18B	17860
BH-19	1295000
BH-20B	55000
BH-21B	57900
BH-22	273
BH-23	332000
BH-24	3150
BH-25B	1258
BH-26A	680
BH-27	6280000
BH-28	10840
BH-31B	345
BH-4	82700
BH-7	443500
BH-9	747500
HC-1	531
HC-2	183000
HC-3	25910
HC-4	7000
HC-5	648000
HC-6	294
HC-7	3820000
HC-8	121400
TP-1	34960
TP-2	541000
TP-4	10858000
TP-4	462000
TP-4(1)	38350
TP-5	1835400

Figure 2-11b. Carcinogenic PAH concentrations in soil.

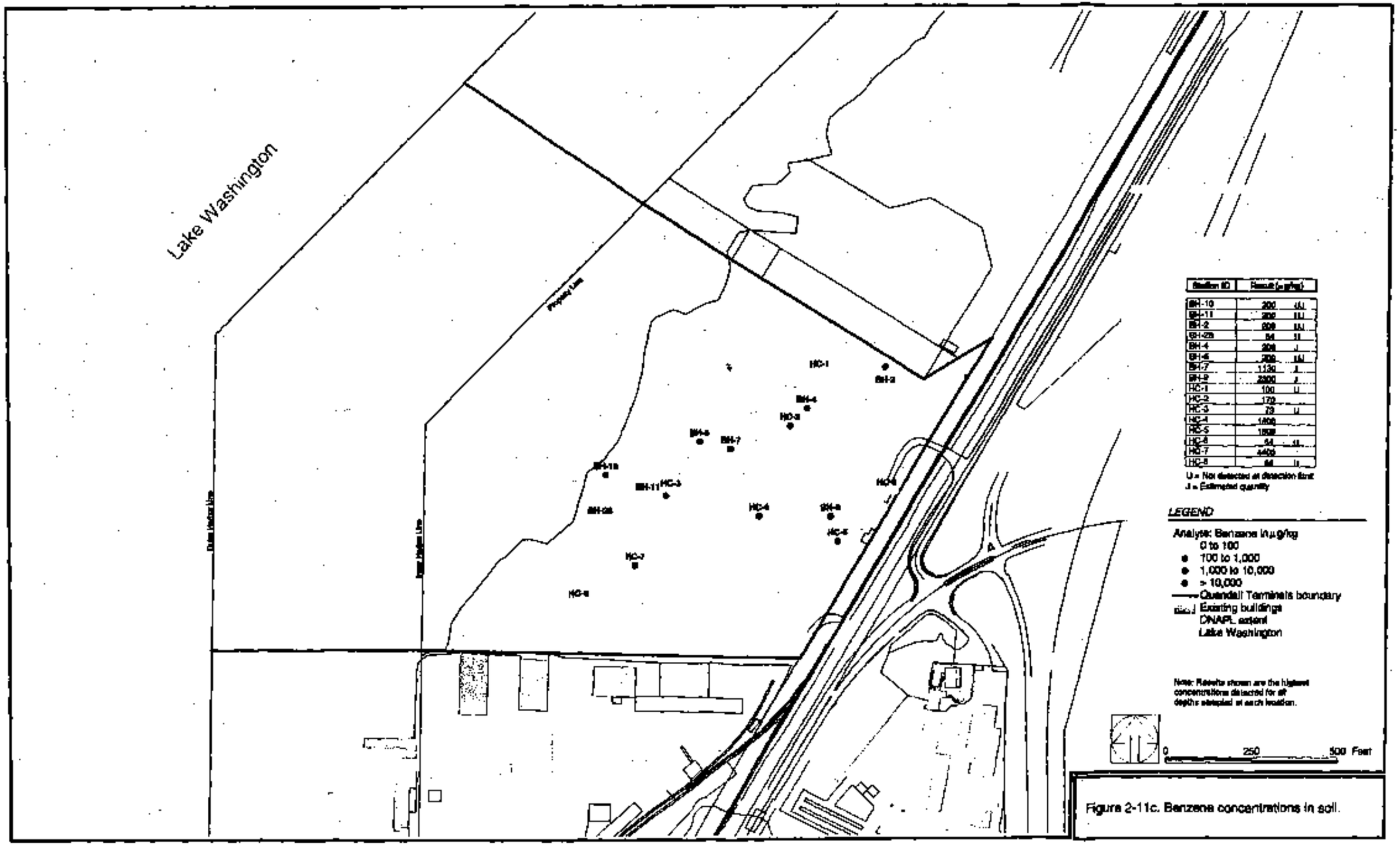
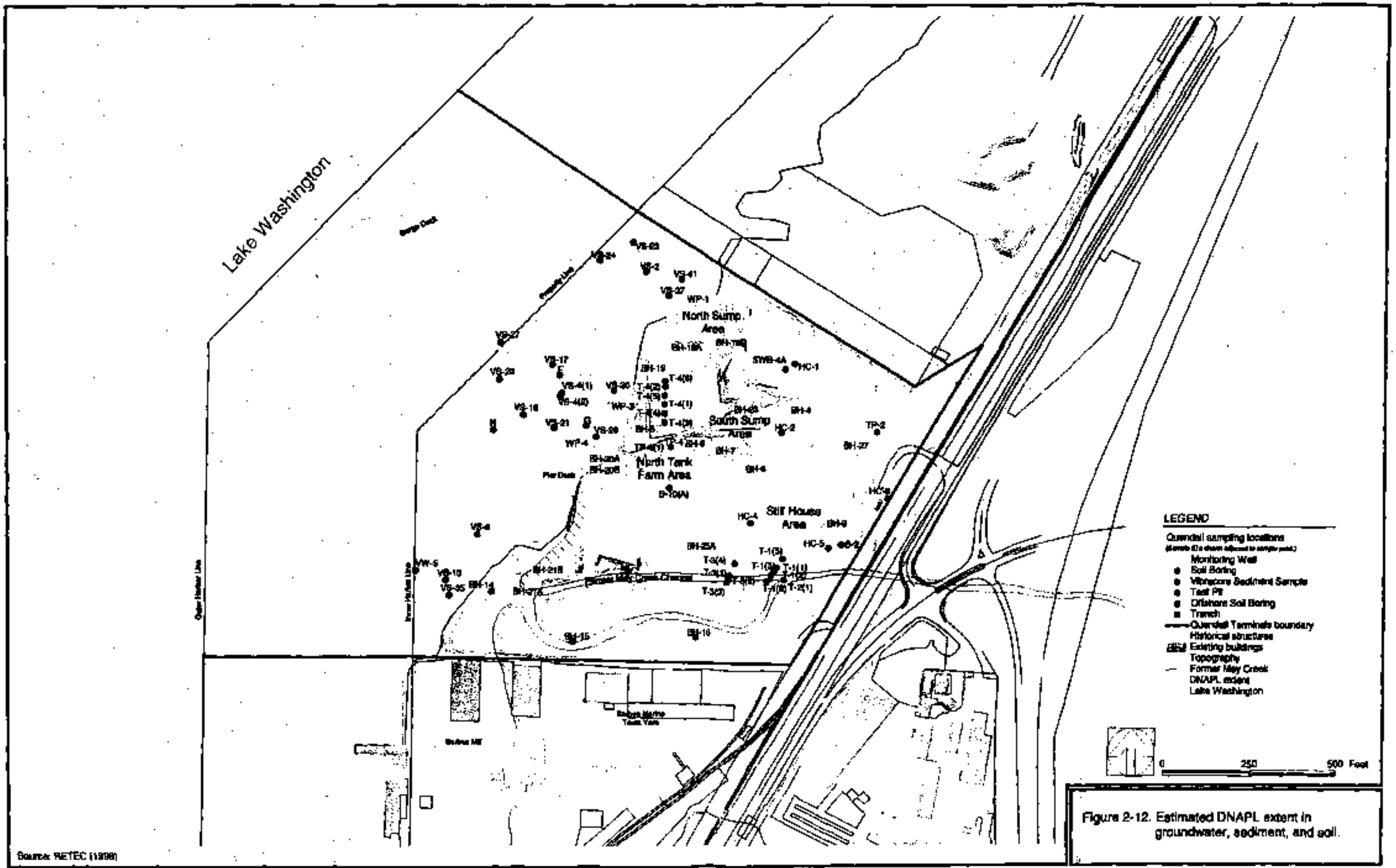


Figure 2-11c. Benzene concentrations in soil.



Source: RETEC (1998)

Figure 2-12. Estimated DNAPL extent in groundwater, sediment, and soil.

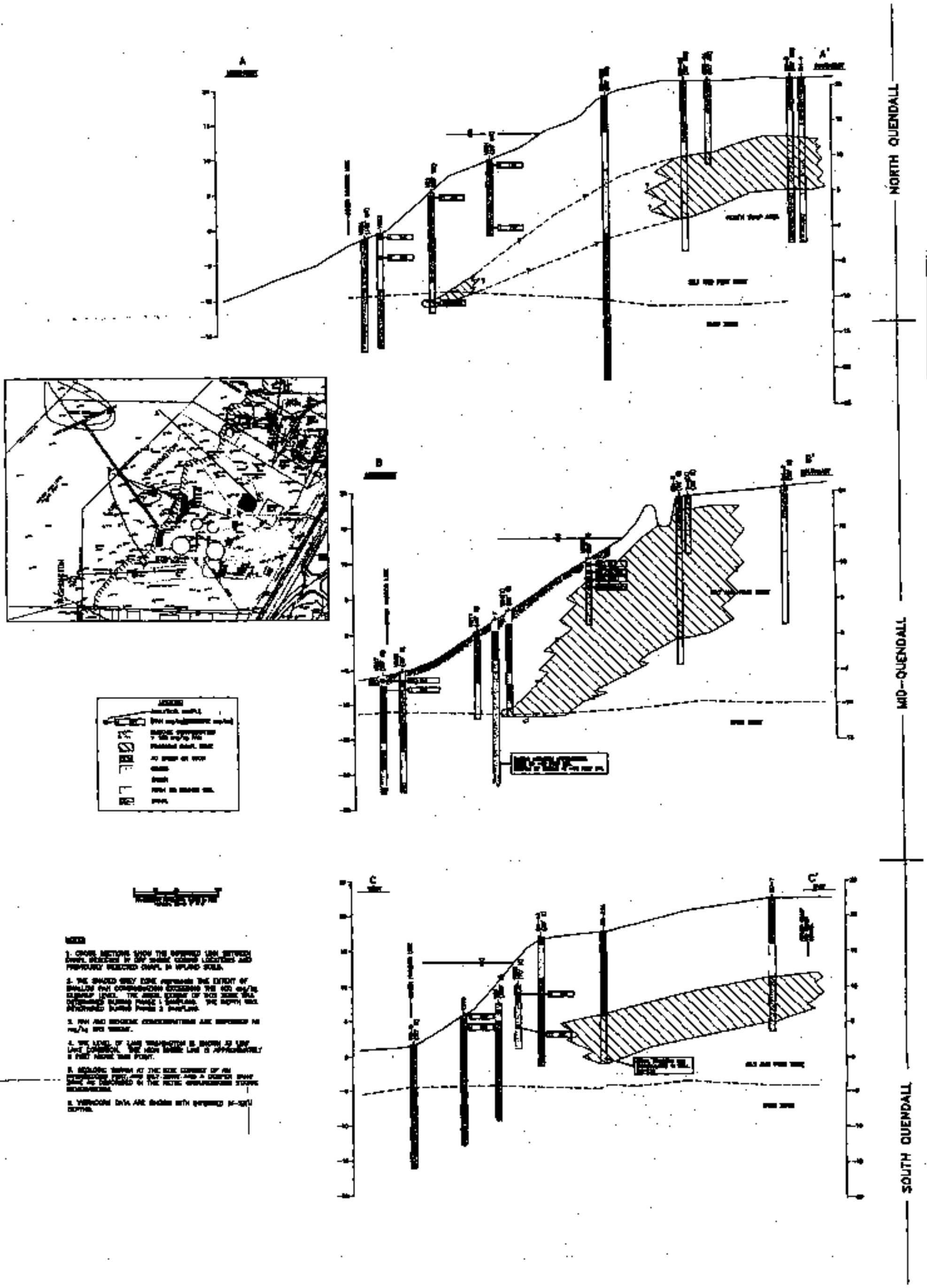


Figure 2-13. Cross section of estimated DNAPL concentrations in soils

Figure 2-14. Wood waste locations.

Figure 3-1. Location of proposed remedial actions

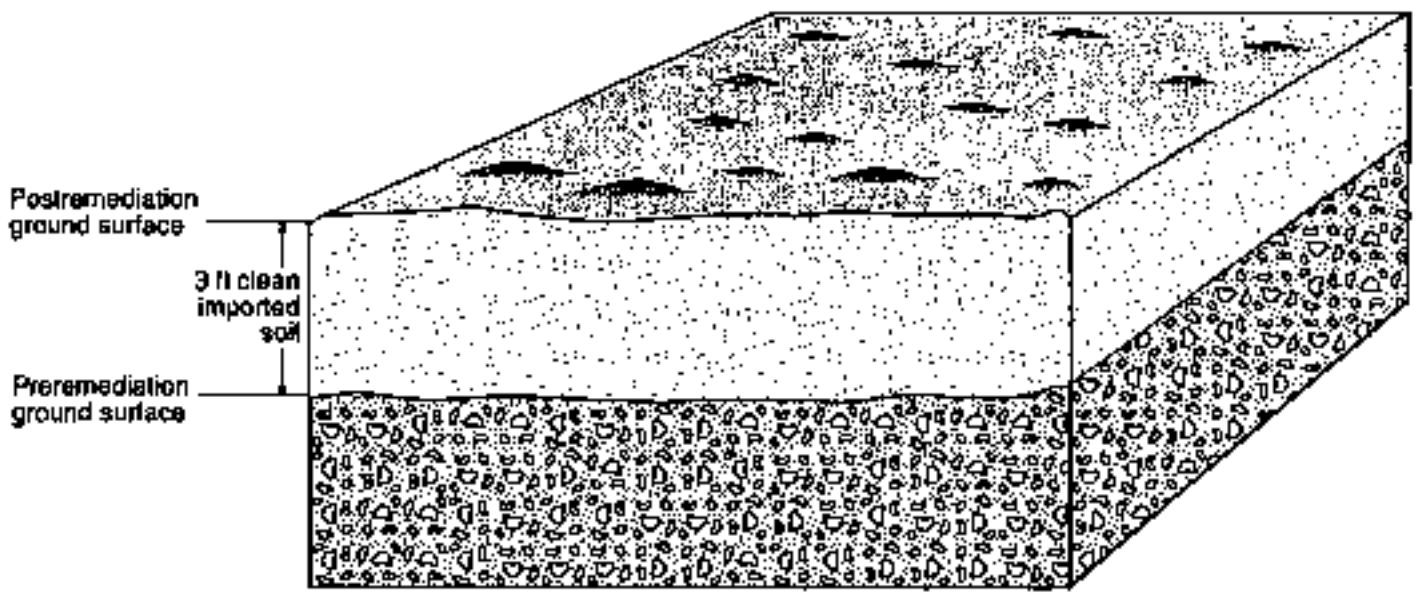


Figure 3-2. Schematic cross section of soil cap

Tables

Table 2-1. Chronological summary of previous environmental and geotechnical studies at the Quendall Terminals property

Date	Author/Investigation	Media/Samples
1971	Twelker and Associates (Twelker 1971, as cited by Hart Crowser 1997)	Geotechnical investigation: Onsite soil borings at 15 locations (B1–B15). Offshore soil borings at 17 locations (A–O).
1974–1983	CH2M Hill (CH2M Hill 1978, as cited by Hart Crowser 1997)	Geotechnical characterization.
1977	CH2M Hill (CH2M Hill 1977, as cited by Hart Crowser 1997)	Lake current studies.
1979	CH2M Hill (CH2M Hill 1979, as cited by Hart Crowser 1997)	Water quality studies.
1981	CH2M Hill (CH2M Hill, 1981, as cited by Hart Crowser 1997)	Environmental impact assessment for master planned development.
1983	U.S. Environmental Protection Agency (U.S. EPA 1983, as cited by RETEC 1996a)	Inspection focused on sediment contamination. Samples collected on Quendall Terminals property.
1983	Woodward-Clyde Consultants (WCC 1983, as cited by Hart Crowser 1997)	Soil and groundwater investigation: – 18 soil borings drilled (BH series), 4 trenches excavated, and 12 monitoring wells installed (BH-1 through BH-2) (WCC 1983, as cited in Hart Crowser, 1997) – 134 soil samples tested for total PAHs using an absorbance screening technique – 6 soil samples were analyzed for volatile aromatics including benzene, toluene, and xylenes – 2 soil samples were analyzed for priority pollutant volatile and semivolatile organic compounds – Groundwater analyzed for PAHs using absorbance screening technique, volatile aromatics, and field parameters (e.g. pH, alkalinity) – 5 groundwater samples also analyzed for PCP using a screening method.
1985	CH2M Hill (CH2M Hill 1985, as cited by Hart Crowser 1997)	Health Effects Assessment, former Reilly Tar property.

Table 2-1. (cont.)

Date	Author/Investigation	Media/Samples
1988–1990	Woodward-Clyde Consultants (WCC 1990b, 1991a, as cited by Hart Crowser 1997)	Groundwater quality monitoring program: 11 more monitoring wells installed at 7 locations (BH-17 through BH-23). – 42 soil samples collected, analyzed for PAHs, PCP, and dibenzofuran (EPA Method 625) – Groundwater sampling conducted quarterly for one year between January 1989 and March 1990, analyzed for volatile and semivolatile organics, metals, and conventional parameters (nitrate, nitrite, sulfate, alkalinity, pH, and dissolved oxygen).
1991	Woodward-Clyde Consultants (WCC 1992b, as cited by Hart Crowser 1997)	*In Situ* Biofeasibility Study: Chemical and microbiological analyses of groundwater and soil samples. A total of 11 soil samples and 11 groundwater samples were analyzed for chemical and microbiological parameters.
1991	Woodward-Clyde Consultants (WCC 1992a, as cited by Hart Crowser 1997)	Product Pumping Feasibility Investigation: DNAPL was pumped out of wells BH-21A and BH-5 at a rate of 4–5 gal/day. Conducted study to see if DNAPL in several shallow groundwater monitoring wells could be recovered efficiently
1991	Woodward-Clyde Consultants (WCC 1991b, as cited by Hart Crowser 1997)	Aquifer testing study: Aquifer pump tests to estimate hydraulic properties of upper water-bearing unit at the Quendall Terminals site. Hydraulic properties of sand and slightly silty sand with hydraulic conductivities in the range of 1×10^{-3} to 8×10^{-3} cm/sec.
1991–1992	Washington State Department of Ecology (Ecology 1992b, as cited by RETEC 1997b)	Sediment Quality Investigation and PAH Bioassays: – Distribution of PAHs in sediments adjacent to Quendall/Baxter (1991) – 7 bioassay tests used to determine effects of PAHs on macroinvertebrates (1992)
1995–1997	Hart Crowser (Hart Crowser 1997)	Final Remedial Investigation—Quendall Uplands: – 9 test pits (TP-1 through TP-9) – 9 soil borings (HC-1 through HC-8 and BH-28), one monitoring well installed (BH-28) – Soil flux vapor emissions sampling – Groundwater and surface water level monitoring – Groundwater sampling, groundwater discharge (WP-1 through WP-6), and surface water sampling (SW-1 through SW-6) and analysis – Free-phase product from wells BH21A and BH-5 – Soil bark pile sampling.

Table 2-1. (cont.)

Date	Author/Investigation	Media/Samples
1996	Remediation Technologies, Inc. (RETEC 1996b)	Summary of existing environmental data and data gaps: – Review of available sediment, soil, groundwater, stormwater, surface water, and toxicity data from Quendall Terminals, Baxter, and Pan Abode sites – Gaps identified included sediment analysis, including the ecological impacts of sediment contamination, the need to identify source of DNAPL contamination in the nearshore area, and a wood waste survey.
February 1997	Shannon & Wilson (1997)	Geotechnical report.
April 1997	Remediation Technologies, Inc. (RETEC 1997c)	Upland Constituents Memo: – Reviewed all available field and laboratory analytical data on uplands soils – Outlined the distribution of impacted soil within the project area – Estimated volumes of affected soil for various action criteria.
May 1997	Remediation Technologies, Inc. (RETEC 1997a)	Sediment Draft Quality Memo: – Bathymetric survey to develop map of current sediment surface – Delineated wood debris on lake bottom – 5 subsurface sediment cores to define PAH contamination (EPA Method 8270) – 14 sediment cores along Quendall Terminals shoreline to determine if subsurface deposits of coal tars containing PAH and BTEX were present (EPA Method 8020 and/or EPA 8260) – Sampling and biological testing of sediment, six samples, from areas containing greater than 50 percent wood waste and those containing no wood waste – Elutriate testing of Quendall Terminals sediments – Collected treatability testing samples at Quendall Terminals nearshore area – Sediment infauna and macrofauna sampled.

Table 2-2. Field notes referencing product-impaired soils at Quendall Terminals property

Well, Boring, Pit or Trench ID	Total Depth of Boring (ft)	Depth of Hydrocarbon Zone (ft below ground surface)	Description from Boring Logs or Field Notes
North Sump Area			
BH-16A	15	6–14	Oil sheen
BH-23	24.5	8–23.5	Oil sheen, strong odor
BH-4	23	9–17	Noticeable hydrocarbon odor and iridescent sheen
HC-2	24	11–16	Saturated with yellowish viscous product
South Sump Area			
BH-7	19.5	4.5–9.5	Hydrocarbon odor and iridescence
BH-8	24.5	3–12.5	Hydrocarbon odor, iridescent sheen, abundant brown fluid
Still House Area			
HC-4	25	7–10	Staining, chemical odor, saturated with product
B-4	22	Not specified	Twelker noted "presence of hydrocarbon"
BH-9	19.5	1.5–18	Black stain, hydrocarbon odor, iridescent sheen
B-2	50.5	7.5–8	Twelker noted "area of PAH occurrence"
Trench 2	8	3–8	Black tar seeps noted
HC-5	19	7.5–13	Strong chemical odor, staining and sheen, saturated with yellow-black product
North Tank Farm Area			
BH-5	23	8–20	Hydrocarbon odor, iridescent sheen, concentrated contamination, rapid incorporation of lighter fractions, also product in well BH-5A
BH-6	19.5	4–5	Black hydrocarbon zone, hydrocarbon odor
Trench 4	10	2–7	Black tar seeps noted in southern end of trench, tar "fragments" noted at northern end.
Creek Mouth Area			
Trench 3	10	3–9	Black tar seeps noted in old stream channel
HC-7	16.5	4.5–15	Product sheen, saturated with black viscous product
BH-21A	20	13.5	Creosote odor and sheen—also product accumulations in well BH-21A

Source: RETEC (1998b)

Table 2-3. Soil summary table

Analyte	Number of Detections/ Number of Samples	Range of Sample Detection Limits	Range of Detected Concentrations	Median of All Values
Volatile Organic Compounds				
Benzene	167/640	53–200	170–4,400	170
Carcinogenic PAHs				
Benz[a]anthracene	713/1,300	50–1,200,000	0–1,800,000	175
Benzo[a]pyrene	774/1,300	51–1,500	0–2,100,000	180
Benzo[b]fluoranthene	574/846	70–1,500	0–1,700,000	965
Benzo[k]fluoranthene	526/846	70–2,400	0–2,200,000	850
Chrysene	776/1,300	51–890	0–2,500,000	145
Dibenz[a,h]anthracene	568/1,300	51–310,000	0–180,000	155
Indeno[1,2,3-cd]pyrene	591/1,300	51–1,500	0–1,500,000	175
Noncarcinogenic PAHs				
Acenaphthene	744/1,300	50–890	0–3,200,000	265
Acenaphthylene	429/1,300	50–150,000	0–185,000	145
Anthracene	748/1,300	50–890	0–1,300,000	185
Benzo[ghi]perylene	633/1,300	51–1,500	0–1,500,000	190
Fluoranthene	852/1,300	50–890	0–4,400,000	250
Fluorene	716/1,300	50–890	0–2,500,000	265
2-Methylnaphthalene	801/1,300	50–1,500	0–5,200,000	320
Naphthalene	978/1,300	50–1,500	0–11,000,000	1,360
Phenanthrene	908/1,300	50–890	0–7,800,000	275
Pyrene	878/1,300	51–890	0–5,200,000	285

Note: All concentrations in µg/kg.

PAH = polycyclic aromatic hydrocarbon

Table 2-4. Groundwater summary table

Analyte	Number of Detections/ Number of Samples	Range of Sample Detection Limits	Range of Detected Concentrations	Median of All Values
Volatile Organic Compounds				
Benzene	131/243	0.4–50	1.4–14,000	200
Carcinogenic PAHs				
Benz[a]anthracene	82/263	0.02–10	0.014–1,100	2
Benzo[a]pyrene	93/263	0.03–10	0.017–1,700	2
Benzo[b]fluoranthene	45/143	0.02–10	0.019–50	0.71
Benzo[k]fluoranthene	36/143	0.02–20	0.014–17	1
Chrysene	70/263	0.15–15	0.081–1,700	3.5
Dibenz[a,h]anthracene	42/263	0.03–20	0.023–420	2
Indeno[1,2,3-cd]pyrene	48/263	0.05–20	0.024–830	3.2
Noncarcinogenic PAHs				
Acenaphthene	156/263	1–150	1.1–1,900	51
Acenaphthylene	85/263	1–1100	0.5–2,300	29
Anthracene	99/263	0.66–66	0.45–1,200	4
Benzo[ghi]perylene	44/263	0.08–20	0.1–1,000	5
Fluoranthene	123/263	0.21–21	0.25–2,800	4
Fluorene	160/263	0.21–10	0.19–2,200	16
2-Methylnaphthalene	97/192	1–10	5–12,000	56
Naphthalene	167/263	1–10	0.8–43,000	515
Phenanthrene	146/263	0.64–64	0.65–6,200	11
Pyrene	103/263	0.27–27	0.15–2,400	4

Note: All concentrations in μg/L.

PAH - polycyclic aromatic hydrocarbon

Table 2-5. Sediment summary table

Analyte	Number of Detections/ Number of Samples	Range of Sample Detection Limits	Range of Detected Concentrations	Median of All Values
Volatile Organic Compounds				
Benzene	208/556	1.2–69,000	2.5–260,000	220
Carcinogenic PAHs				
Benz[a]anthracene	807/1,088	6.3–390	20–300,000	1,200
Benzo[a]pyrene	867/1,375	8.3–27,000	17–680,000	3,900
Benzo[b]fluoranthene	944/1,138	6.3–240	13–3,550,000	1,300
Benzo[k]fluoranthene	919/1,138	8.3–2,100	14–3,550,000	790
Chrysene	879/1,138	8.3–240	23–2,200,000	1,900
Dibenz[a,h]anthracene	726/1,437	6.3–125,000	12–85,000	840
Indeno[1,2,3-cd]pyrene	863/1,445	8.3–100,000	14–440,000	2,100
Noncarcinogenic PAHs				
Acenaphthene	858/1,445	8–27,000	11–623,000	395
Acenaphthylene	376/1,445	8–27,000	13–320,000	145
Anthracene	746/1,445	6–27,000	18–350,000	590
Benzo[ghi]perylene	882/1,445	6.3–125,000	22–380,000	2,200
Fluoranthene	937/1,445	8–27,000	18–1,400,000	2,200
Fluorene	811/1,445	7.9–27,000	9–510,000	360
2-Methylnaphthalene	890/1,088	9.1–450	11–1,800,000	180
Naphthalene	1,241/1,907	6–27,000	8.1–13,000,000	445
Phenanthrene	939/1,445	6–27,000	13–2,700,000	1,400
Pyrene	953/1,445	8–27,000	10–1,200,000	2,800

Note: All concentrations in µg/kg.

PAH - polycyclic aromatic hydrocarbon

Table 2-6. Results of Quendall Terminals wood waste bioassay samples

	10-Day		42-Day[a]
	Survival (percent)	Growth (gm/organism)	Survival (percent)
Chironomus tentans			
Control (WB)	91.25	0.9998	–
Reference (JB-9A)	82.5	0.82	–
JB-1A	76.75	1.54	–
JB-2A	93.75	0.928	–
JB-3A	86.25	0.891	–
JB-4A	100	0.998	–
JB-7A	85	0.716	–
JB-8A	68.75	0.797	–
Hyalella azteca			
Control (WB)	90	0.050	32.5
Reference (JB-9A)	100	0.057	49.2
JB-1A	85	0.297	30
JB-2A	70	0.085	19.1
JB-3A	90	0.065	72.5
JB-4A	95	0.077	85.8
JB-7A	90	0.01	44.2
JB-8A	70	0.061	36.7

Source: RETEC (1997b)

[a] Because of poor survival in control and reference sediments, the test was stopped after 28 days.

Table 3-1. Potentially applicable requirements—cleanup levels

Potential Requirements	Determination of Applicable or Relevant and Appropriate	Comments
Model Toxics Control Act (MTCA) Chapter 70.105D RCW	Applicable, Relevant and Appropriate	MTCA is the key governmental regulation governing the conduct of the overall investigation and cleanup process for the site, and therefore, is applicable. MTCA describes the requirements for selecting: cleanup actions, preferred technologies, policies for use of permanent solutions, the time frame for cleanup, and the process for making decisions. The regulations specify that all cleanup actions be protective of human health, comply with all applicable state and federal regulations, and provide for appropriate compliance monitoring.
MTCA Cleanup Regulations WAC 173-340	Applicable, Relevant and Appropriate	WAC 173-340 implements the requirements of MTCA and contains the primary regulations under which the Quendall Terminals RI/FS process is being conducted. These regulations establish administrative procedures and standards to identify, investigate, and clean up facilities where hazardous substances have been released.
National Primary and Secondary Drinking Water Standards 40 CFR 141, 143	Not applicable	MTCA requires that groundwater cleanup levels be at least as stringent as maximum contaminant levels, secondary maximum contaminant levels, and noncarcinogen maximum contaminant level goals established under the Safe Water Drinking Water Act where groundwater is a current or future source of drinking water. Since groundwater under Quendall Terminals is currently not used as a drinking water source these requirements are not applicable.
Sediment Management Standards WAC 173-204	Applicable, Relevant and Appropriate	Criteria used to identify sediments that have no adverse effects on biological resources and correspond to no significant health risk to humans. SMS Cleanup levels have not been promulgated for freshwater sediments. Site-specific cleanup levels are developed on a case-by-case basis, as are cleanup levels for other deleterious substances.
National Oil and Hazardous Substances Pollution Contingency Plan (NCP) 40 CFR 300	Not applicable	The NCP establishes a consistent set of rules (organizational and procedural requirements) that the EPA and state agencies must follow when cleaning up sites on the National Priorities List (NPL). However, the NCP is not applicable because Quendall Terminals is not on the NPL.
Federal Water Pollution Control Act/Clean Water Act 33 USC 1251–1376; 40 CFR 100–149; 40 CFR 131	Applicable, Relevant, and Appropriate	Ambient water quality criteria for the protection of aquatic organisms and human health. MTCA requires the attainment of water quality criteria where relevant to the circumstances of the release.Ambient water criteria and water quality standards for the human consumption of organisms at 1×10^{-6} risk is anticipated to be relevant for groundwater.

Table 3-1. (cont.)

Potential Requirements	Determination of Applicable or Relevant and Appropriate	Comments
Washington Water Pollution Control Act—State Water Quality Standards for Surface Water RCW 90.48 WAC 173-201A-130	Applicable, Relevant, and Appropriate	State water quality standards; conventional water quality parameters and toxic criteria. Narrative and quantitative limitations for surface water protection. Lake Washington has been classified as "Lake Class" water, although restrictions on Lake Washington water rights (WAC 173-508) indicate that the characteristic use of water for water supply is not applicable and the "Lake Class" designation only applies to aquatic resource protection.
Safe Drinking Water Act (SDWA) 40 CFR 141	Not Applicable	These regulations establish the maximum contaminant levels, maximum contaminant level goals. These are not anticipated to be applicable since surface water may not be consumed due to restriction on Lake Washington Water rights (WAC 173-508)

Table 3-2. (cont.)

State Citation	Federal Citation	Description	Potential Requirements
WAC 296-62	29 CFR 1910.210	General safety and health standards for workers, including requirements for responses involving hazardous substances.	Applicable for protection of remedial action workers.
WAC 446-50	49 CFR 171-177	Transportation regulations and law for hazardous materials.	Substantive provisions applicable for offsite transportation of hazardous or dangerous waste.
WAC 173-216, -220	40 CFR 122, 125	NPDES and State Discharge Permit Program. Point source standards for discharges into surface water bodies. Anticipated to be relevant if discharges to onsite water body. Discharges must comply with substantive requirements of the NPDES permit.	Applicable to point-source discharge or site runoff directed to surface water body. Applicable for offsite discharges; a permit would be required. Not anticipated to be applicable since no point-source discharges to surface water body are anticipated.
None	40 CFR 131	Federal criteria for water quality to protect human health and aquatic life. Enforced under state water quality laws and MTCA.	Anticipated to be relevant for remedial measures involving this activity.
WAC 173-201-045, -047	None.	State Water Quality Standards for Surface Water. Implementation of federal requirement to develop state water quality control plan. Narrative and quantitative limitations for surface and groundwater protection based on beneficial uses.	Anticipated to be relevant.
70.94 RCW	None.	Washington State Clean Air Act. State implementation of ambient air quality standards.	Substantive provisions are potentially applicable to remedial actions.
WAC 173-400	None.	PSAPCA Regulations I and III; ambient and emission standards.	Substantive provisions are potentially applicable to remedial actions.
WAC 173-304	42 USC § 3251–3259, 6901–6991 40 CFR 257–258	Requirements for solid waste management.	Substantive provisions are potentially relevant requirements to nonhazardous waste generated during remedial activities.
None	40 CFR 264—Subpart I Containers; Subpart J Tanks; Subpart X Misc. Units	Meet design and operating standards for treatment and storage units for RCRA hazardous waste.	Relevant if granular activated carbon treatment is implemented.

Table 3-2. (cont.)

State Citation	Federal Citation	Description	Potential Requirements
None	40 CFR 403	Covers discharge to POTWs; National Pretreatment Standards. Contaminated water must be pretreated to certain limits prior to discharge.	Discharges to POTWs are considered offsite activities; pretreatment and permitting substantive requirements would be applicable.
None	40 CFR 265.400 et seq.	Chemical, physical, and biological treatment for RCRA hazardous waste.	Substantive provisions are potentially applicable to state requirements if state dangerous wastes are treated using any of these methods. Otherwise, anticipated to be relevant for the treatment of nonhazardous waste.
WAC 173-304	42 USC § 325103259, 6901–6991, as administered under 40 CFR 257–258	Excavation/disposal of solid wastes; relevant to nonhazardous waste generated during remedial activities and disposed of offsite.	Substantive provisions are potentially applicable requirements for solid waste management.
RCW 90.58 (Shoreline Management Act)	16 USC 1451 et seq. (Coastal Zone Management Act)	Construction near shorelines of statewide significance, including marine waters and wetlands.	Substantive provisions are potentially relevant for activities with 200 ft of shoreline.
None	40 CFR 6, Appendix A	Within or adjacent to wetlands, actions must be performed to minimize the destruction, loss, or degradation of wetlands as defined by Executive Order 11990, Section 7. Requirement for no net loss of remaining wetlands.	Potentially applicable requirement.
None	16 USC 1531 et seq. 50 CFR Parts 200 and 402 (Endangered Species Act)	Actions in critical habitat upon which endangered or threatened species depend must be performed to conserve endangered or threatened species, including consultation with the Department of the Interior.	Potentially applicable.
RCW 75.20; WAC 220-1101	33 USC 401 40 CFR 230 33 CFR 320, 322, 323, 325	Requirements for construction and development projects for the protection of fish and shellfish in state waters.	U.S. Army Corps of Engineers Nationwide 38 Permit anticipated to be relevant to dredging and filling below the mean high-water line.
PSAPCA Regulation III	None	Regional ambient air quality standards applicable to regulated air contaminant.	Emissions from site not expected to qualify as major source unless: a) emissions are greater than 100 tons per year; or b) emissions of a specified air contaminant occur.

Table 3-2. (cont.)

State Citation	Federal Citation	Description	Potential Requirements
None	40 CFR 60	New Source Pretreatment Standards applicable to new source of hazardous air pollutants.	Potentially applicable to releases from remedial actions.
WAC 173-460	None	Controls for New Sources of Toxic Air Pollutants for emission of any Class A or Class B toxic air pollutant (identified in WAC 173-460-150 through –160) into ambient air.	Potentially applicable to releases from remedial actions.
PSAPCA Regulation III	None	Regional Emission Standards for Toxic Air Pollutants. Source of toxic air contaminant requires a notice of construction.	Substantive provisions of local permits potentially applicable depending on remedial technology used.
PSAPCA Regulation I	None	Regional Emission Standards for fugitive dust; best available control technology to control dust.	Substantive provisions of local permits are potentially applicable to releases from remedial actions.
WAC 173-160-010 through –303, -050 through –060	None	Standards for construction, testing, and abandonment of water and resource protection wells.	Anticipated to be applicable requirement for remediation activities.
RCW 70.107; WAC 173-60 (Noise Control Act of 1974)	None	Maximum noise levels.	Potentially relevant depending on remedial activities selected.
None	16 USC 661 et seq. (U.S. Fish and Wildlife Coordination Act)	Prohibits water pollution with any substance deleterious to fish, plant, or bird life.	Relevant; adjacent water body is used as a salmonid migratory route.
WAC 296-62 (WISHA)	29 CFR 1910.120 (OSHA)	Site worker health and safety.	Relevant requirement for environmental remediation operations.
RCW 90.70.070	None	Erosion and sedimentation controls.	Relevant requirement.

Note: ARAR - applicable or relevant and appropriate requirement
MTCA - Model Toxics Control Act
POTW - publicly owned treatment works
WISHA - Washington Industrial Safety and Health Act
OSHA - Occupational Safety and Health Administration
PSAPCA - Puget Sound Air Pollution Control Agency
NPDES - National Pollutant Discharge Elimination System
RCRA - Resource Conservation and Recovery Act

Table 3-3. Comparison of soil concentrations to benchmark values

Class	Chemical Name	Benchmark Values Direct Contact: MTCA Method B Formula Values[a]	Benchmark Values Protection of Groundwater: MTCA Method B Formula Values 100 x Surface Water Values[a]	Benchmark Values Protection of Groundwater: 100 x AWQC for Protection of Human Health; Consumption of Organisms Only[b]	Observed Site Concentrations: Maximum	Observed Site Concentrations: Number of Detections/ Number of Samples
Volatiles						
	Benzene	34.5	4.3	7.1	4.4	5/22
Carcinogenic PAHs						
	Benz[a]anthracene	0.137	0.00296	0.0031	1,500	18/48
	Benzo[a]pyrene	0.137	0.00296	0.0031	2,100	19/48
	Benzo[b]fluoranthene	0.137	0.00296	0.0031	1,700	19/48
	Benzo[k]fluoranthene	0.137	0.00296	0.0031	1,400	17/48
	Chrysene	0.137	0.00296	0.0031	2,500	21/48
	Dibenz[a,h]anthracene	0.137	0.00296	0.0031	310	12/48
	Indeno[1,2,3-cd]pyrene	0.137	0.00296	0.0031	1,500	18/48
Noncarcinogenic PAHs						
	Acenaphthene	4,800	64.3	NA	3,200	20/48
	Acenaphthylene	NA	NA	NA	150	7/48
	Anthracene	24,000	2,590	11,000	1,300	21/48
	Benzo[ghi]perylene	NA	NA	NA	1,500	16/48
	Fluoranthene	3,200	9.02	37	4,400	22/48
	Fluorene	3,200	348	1,400	2,500	19/48
	2-Methylnaphthalene	NA	NA	NA	5,200	19/48
	Naphthalene	3,200	966	NA	11,000	23/48
	Phenanthrene	NA	NA	NA	7,800	22/48
	Pyrene	2,400	259	1,100	5,200	22/48

Note: All concentrations in mg/kg.

AWQC - ambient water quality criteria
MTCA - Model Toxics Control Act
NA - not available/not applicable
PAH - polycyclic aromatic hydrocarbon

[a] Method B formula values obtained from Ecology (1996).

[b] AWQC values from U.S. EPA (1992).

Table 3-4. Comparison of groundwater concentrations to benchmark values (based on surface water protection)

Class	Chemical Name	Benchmark Values: MTCA Method B Formula Values[a] (surface water)	Benchmark Values: AWQC for Protection of Human Health (Consumption of Organisms Only)[b]	Observed Site Concentrations: Maximum	Observed Site Concentrations: Number of Detections/ Number of Samples
Volatiles					
	Benzene	43	71	3,300	11/18
Carcinogenic PAHs					
	Benz[a]anthracene	0.0296	0.0310	3.4	8/20
	Benzo[a]pyrene	0.0296	0.0310	10	12/20
	Benzo[b]fluoranthene	0.0296	0.0310	10	11/20
	Benzo[k]fluoranthene	0.0296	0.0310	4.3	10/20
	Chrysene	0.0296	0.0310	4.1	5/20
	Dibenz[a,h]anthracene	0.0296	0.0310	2	6/20
	Indeno[1,2,3-cd]pyrene	0.0296	0.0310	2.8	7/20
Noncarcinogenic PAHs					
	Acenaphthene	643	579	350	14/20
	Acenaphthylene	NA	NA	710	10/20
	Anthracene	25,900	110,000	52	7/20
	Benzo[ghi]perylene	NA	0.0310	8.5	4/20
	Fluoranthene	90.2	370	88	13/20
	Fluorene	3,480	14,000	150	16/20
	2-Methylnaphthalene	NA	NA	NA	NA
	Naphthalene	9,880	NA	11,000	14/20
	Phenanthrene	NA	NA	260	14/20
	Pyrene	2,590	11,000	28	8/20

Note: All concentrations in µg/L.
AWQC - ambient water quality criteria
MTCA - Model Toxics Control Act
NA - not available
PAH - polycyclic aromatic hydrocarbon

[a] MTCA Method B formula values obtained from Ecology (1996).

[b] AWQC values from U.S. EPA (1992).

Table 3-5. Compilation of potential cleanup standards for groundwater (based on surface water protection)

Class	Chemical Name	ARARs: AWQC for Protection of Human Health (Consumption of Organisms Only)[a]	ARARs: AWQC for Protection of Fresh Water Organisms[a]	PQL	Risk-Based Concentrations: MTCA Method B Formula Values[b]	Proposed Cleanup Standard
Volatiles						
	Benzene	71	NA		43	43
Carcinogenic PAHs						
	Benz[a]anthracene	0.0310	NA	0.1	0.0296	0.1
	Benzo[a]pyrene	0.0310	NA	0.1	0.0296	0.1
	Benzo[b]fluoranthene	0.0310	NA	0.1	0.0296	0.1
	Benzo[k]fluoranthene	0.0310	NA	0.1	0.0296	0.1
	Chrysene	0.0310	NA	0.1	0.0296	0.1
	Dibenz[a,h]anthracene	0.0310	NA	0.2	0.0296	0.2
	Indeno[1,2,3-cd]pyrene	0.0310	NA	0.1	0.0296	0.1
Noncarcinogenic PAHs						
	Acenaphthene	579	NA	0.1	643	579
	Acenaphthylene	NA	NA	0.1	NA	NA
	Anthracene	110,000	NA	0.1	25,900	25,900
	Benzo[ghi]perylene	0.0310	NA	0.1	NA	0.1
	Fluoranthene	370	NA	0.1	90.2	90.2
	Fluorene	14,000	NA	0.1	3,460	3,460
	2-Methylnaphthalene	NA	NA	5.0 [c]	NA	NA
	Naphthalene	NA	NA	0.1	9,880	9,880
	Phenanthrene	NA	NA	0.1	NA	NA
	Pyrene	11,000	NA	0.1	2,590	2,590

Note: All concentrations in µg/L.

ARAR - applicable or relevant and appropriate requirement
AWQC - ambient water quality criteria
MTCA - Model Toxics Control Act
NA - not available
PAH - polycyclic aromatic hydrocarbon

[a] AWQC values from U.S. EPA (1992).

[b] MTCA Method B formula values obtained from Ecology (1996).

[c] The PQL provided for this compound is based on analysis by EPA Method 8270; therefore, this value is estimated for EPA 8270-sim methodology

Table 3-6. Summary of remediation technologies considered for the Quendall Terminals site

Media	Technology	Classification	*In Situ/Ex Situ*
Soil			
	Excavation	Removal	*Ex situ*
	Thermal desorption	Destruction/detoxification	*Ex situ*
	Incineration	Destruction/detoxification	*Ex situ*
	Bioremediation (landfarming)	Destruction/detoxification	*Ex situ*
	Offsite landfill disposal	Containment/disposal	*Ex situ*
	Soil washing	Separation	*Ex situ*
	Stabilization/solidification	Containment	*In situ or Ex situ*
	Capping	Containment	*In situ*
	Soil flushing	Separation	*In situ*
	In Situ vitrification	Destruction/detoxification	*In situ*
	Soil vapor extraction	Separation	*In situ*
	Bioventing	Destruction/detoxification	*In situ*
Groundwater			
	Natural attenuation	Destruction/detoxification	*In situ*
	Groundwater extraction	Destruction/detoxification	*Ex situ*
	Impermeable barrier wall	Containment	*In situ*
	Passive treatment wall	Destruction/detoxification and/or containment	*In situ*
	DNAPL recovery trench	Separation	*In situ*
	Biosparging	Destruction/detoxification	*In situ*
Sediment			
	Natural recovery	Destruction/detoxification	*In situ*
	Dredge and removal	Removal	*Ex situ*
	Thermal desorption	Destruction/detoxification	*Ex situ*
	Incineration	Destruction/detoxification	*Ex situ*
	Bioremediation (landfarming)	Destruction/detoxification	*Ex situ*
	Offsite landfill disposal	Containment/disposal	*Ex situ*
	Capping	Containment	*In situ*
	Nearshore containment facility	Containment	*Ex situ*
	Nearshore trap	Containment	*In situ*

Table 3-7. Summary of initial screening of remediation technologies for soil

Technology	Results of Screening	Screening Criteria: Effectiveness	Screening Criteria: Cost	Screening Criteria: Implementability
Soil				
Excavation	Retained	• Effective for limiting potential long-term exposure to site contaminants. • Potential short-term exposure of workers to contaminants	• High	• Well demonstrated technology. • Complete contaminant removal technically complicated and costly.
Thermal Desorption	Retained	• Effective for reducing contaminant volume.	• High	• Can be implemented onsite using readily available, mobile treatment units.
Incineration	Retained	• Effective for reducing contaminant volume.	• High	• Can be implemented onsite using mobile treatment units. • Permitting often difficult.
Bioremediation (Landfarming)	Not retained	• Moderately effective at reducing contaminant volume. • Not as effective as thermal treatment.	• Moderate •	• Requires construction of onsite treatment facility. • Long treatment period required.
Offsite Landfill Disposal	Retained	• Effective for reducing potential long-term exposure to site contaminants.	• Moderate to high	• Requires offsite transport of contaminated soils and purchase of clean fill materials.
Soil Washing	Not retained	• Potentially effective for reducing volume of soil requiring treatment. • Not as effective as thermal treatment.	• High •	• Demonstrated technology. • Operation requires expertise.
Stabilization/Solidification	Not retained	• DNAPL likely to inhibit performance. • Can potentially limit future site development.	• Moderate •	• Demonstrated technology. • Bulking can complicate handling and disposal.
Capping	Retained	• Effective for reducing potential exposure to site contaminants.	• Low	• Easy to implement.
Soil Flushing	Not retained	• DNAPL likely to inhibit performance.	• Moderate	• Moderately easy to implement.
In Situ Vitrification	Not retained	• Effective for reducing contaminant volume. • Can potentially limit future site development.	• High	• Requires significant operational expertise.
Soil Vapor Extraction	Not retained	• DNAPL likely to inhibit effectiveness for reducing soil contaminant concentrations.	• Low	• Demonstrated technology that is easy to implement and maintain.

Table 3-7. (cont.)

Technology	Results of Screening	Screening Criteria: Effectiveness	Screening Criteria: Cost	Screening Criteria: Implementability
		• Potentially effective for controlling off gases produced by groundwater biosparging.		
Bioventing	Not retained	• DNAPL likely to inhibit effectiveness for reducing soil contaminant concentrations. • Potentially effective for controlling off gases produced by groundwater biosparging.	• Low	• Demonstrated technology that is easy to implement and maintain.

Table 3-6. Summary of initial screening of remediation technologies for groundwater

Technology	Results of Screening	Screening Criteria: Effectiveness	Screening Criteria: Cost	Screening Criteria: Implementability
Groundwater				
Natural Attenuation	Not retained	• Unlikely to be sufficient to meet RAOs.	• Low	• Naturally occurring process
Groundwater Extraction	Not retained	• Ineffective for reducing contaminant volume.	• High	• Easy to implement and maintain. • Long-term operation required.
Impermeable Barrier Wall	Retained	• Effective for limiting migration of groundwater contaminants and DNAPL to Lake Washington.	• Moderate	• Demonstrated and readily available technology for containment.
Passive Treatment Wall	Not retained	• Unlikely to be sufficient to meet RAOs.	• High	• Demonstrated and readily available technology.
DNAPL Recovery Trench	Retained	• Effective for limiting offsite migration of upland DNAPL.	• Moderate	• Simple technology that is easy to implement.
Biosparging	Retained	• Effective for limiting offsite migration of groundwater contaminants. • May require addition of SVE or bioventing to control off gases. • May require addition of hydraulic control to meet RAOs.	• Moderate	• Demonstrated and readily available technology.

Table 3-9. Summary of initial screening of remediation technologies for sediments

Technology	Results of Screening	Screening Criteria: Effectiveness	Screening Criteria: Cost	Screening Criteria: Implementability
Sediment				
Natural Recovery	Retained	• Effective for reducing potential long-term exposure to site contaminants when combined with other remedial activities.	• Low	• Naturally occurring process.
Dredge and Removal	Retained	• Effective for limiting potential long-term exposure to site contaminants. • Potential short-term exposure of workers to contaminants	• Moderate	• Demonstrated and readily available technology.
Thermal Desorption	Retained	• Effective for reducing contaminant volume.	• Moderate	• Can be implemented onsite using readily available, mobile treatment units.
Incineration	Retained	• Effective for reducing contaminant volume.	• High •	• Can be implemented on site using mobile treatment units. • Permitting often difficult.
Bioremediation (Landfarming)	Not retained	• Moderately effective at reducing contaminant volume. • Not as effective as thermal treatment.	• Moderate	• Requires construction of onsite treatment facility. • Long treatment period required.
Offsite Landfill Disposal	Retained	• Effective for reducing potential long-term exposure to site contaminants.	• Moderate to high	• Requires offsite transport of contaminated sediments and purchase of clean fill materials.
Capping	Retained	• Effective for reducing potential long-term exposure to site contaminants. • Effective for reducing DNAPL migration to the Lake and Lake sediments.	• Low	• Demonstrated and readily available technology.
Nearshore Containment Facility	Not retained	• Effective for limiting potential long-term exposure to site contaminants. • Requires significant mitigation efforts.	• Moderate to high	• Complicated by in-lake construction.
Nearshore Trap	Retained	• Effective for limiting potential long-term exposure to site contaminants.	• Moderate to high	• Complicated by in-lake construction.

Appendix A

Analytical Results for Soil

NOTES:

B - detected in associated method blank

E - above linear range, value shown is estimated

J - estimated quantity

M - estimated concentration with low spectral match parameters

U - not detected at detection limit shown

Total PAHs in soil—Total PAHs in soil were calculated by RETEC (1997c).

Total carcinogenic PAHs in soil—Total carcinogenic PAHs in soil were calculated by adding all concentrations above the detection limit and including half the value of concentrations reported at the detection limit (U) in the summation.

Carcinogenic PAHs include benz[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, chrysene, dibenz[a,h]anthracene, and indeno[1,2,3-cd]pyrene.

Source: RETEC (1998)

1. TABLE PAH IND SOIL. SUMMARY OF INDIVIDUAL PAH CONCENTRATIONS IN SOIL

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
BH-10	5/20/83	EPA8270	6	7.5	feet	Fluoranthene	50	U	µg/kg
BH-10	5/20/83	EPA8270	6	7.5	feet	2-Methylnaphthalene	50	U	µg/kg
BH-10	5/20/83	EPA8270	6	7.5	feet	Pyrene	100	U	µg/kg
BH-10	5/20/83	EPA8270	6	7.5	feet	Phenanthrene	50	U	µg/kg
BH-10	5/20/83	EPA8270	6	7.5	feet	Naphthalene	50	U	µg/kg
BH-10	5/20/83	EPA8270	6	7.5	feet	Fluorene	50	U	µg/kg
BH-10	5/20/83	EPA8270	6	7.5	feet	Dibenz(a,h)anthracene	100	U	µg/kg
BH-10	5/20/83	EPA8270	6	7.5	feet	Chrysene	100	U	µg/kg
BH-10	5/20/83	EPA8270	6	7.5	feet	Anthracene	50	U	µg/kg
BH-10	5/20/83	EPA8270	6	7.5	feet	Indeno(1,2,3-cd)pyrene	100	U	µg/kg
BH-10	5/20/83	EPA8270	6	7.5	feet	Acenaphthylene	50	U	µg/kg
BH-10	5/20/83	EPA8270	6	7.5	feet	Benzo(k)fluoranthene	500	U	µg/kg
BH-10	5/20/83	EPA8270	6	7.5	feet	Benzo(a)anthracene	50	U	µg/kg
BH-10	5/20/83	EPA8270	6	7.5	feet	Benzo(a)pyrene	500	U	µg/kg
BH-10	5/20/83	EPA8270	6	7.5	feet	Benzo(b)fluoranthene	500	U	µg/kg
BH-10	5/20/83	EPA8270	6	7.5	feet	Benzo(g,h,i)perylene	1,000	U	µg/kg
BH-10	5/20/83	EPA8270	6	7.5	feet	Acenaphthene	50	U	µg/kg
BH-11	5/18/83	EPA8270	18	19.5	feet	Benzo(k)fluoranthene	1,000		µg/kg
BH-11	5/18/83	EPA8270	18	19.5	feet	Chrysene	100		µg/kg
BH-11	5/18/83	EPA8270	18	19.5	feet	Pyrene	2,500		µg/kg
BH-11	5/18/83	EPA8270	18	19.5	feet	Phenanthrene	840		µg/kg
BH-11	5/18/83	EPA8270	18	19.5	feet	Naphthalene	690		µg/kg
BH-11	5/18/83	EPA8270	18	19.5	feet	Indeno(1,2,3-cd)pyrene	100		µg/kg
BH-11	5/18/83	EPA8270	18	19.5	feet	Fluorene	240		µg/kg
BH-11	5/18/83	EPA8270	18	19.5	feet	Dibenz(a,h)anthracene	310		µg/kg
BH-11	5/18/83	EPA8270	18	19.5	feet	Acenaphthene	50	U	µg/kg
BH-11	5/18/83	EPA8270	18	19.5	feet	Fluoranthene	2,300		µg/kg
BH-11	5/18/83	EPA8270	18	19.5	feet	Benzo(g,h,i)perylene	680		µg/kg
BH-11	5/18/83	EPA8270	18	19.5	feet	2-Methylnaphthalene	20,000		µg/kg
BH-11	5/18/83	EPA8270	18	19.5	feet	Acenaphthylene	50	U	µg/kg
BH-11	5/18/83	EPA8270	18	19.5	feet	Anthracene	680		µg/kg
BH-11	5/18/83	EPA8270	18	19.5	feet	Benzo(a)anthracene	50	U	µg/kg
BH-11	5/18/83	EPA8270	18	19.5	feet	Benzo(a)pyrene	340		µg/kg
BH-11	5/18/83	EPA8270	18	19.5	feet	Benzo(b)fluoranthene	1,000		µg/kg
BH-17B	12/21/88	EPA8270	1.5	1.5	feet	Acenaphthylene	64	U	µg/kg
BH-17B	12/21/88	EPA8270	1.5	1.5	feet	Chrysene	64	U	µg/kg
BH-17B	12/21/88	EPA8270	1.5	1.5	feet	Benzo(a)anthracene	64	U	µg/kg
BH-17B	12/21/88	EPA8270	1.5	1.5	feet	Benzo(g,h,i)perylene	64	U	µg/kg
BH-17B	12/21/88	EPA8270	1.5	1.5	feet	Benzo(b,k)fluoranthene	67	M	µg/kg
BH-17B	12/21/88	EPA8270	1.5	1.5	feet	Indeno(1,2,3-cd)pyrene	64	U	µg/kg
BH-17B	12/21/88	EPA8270	1.5	1.5	feet	Benzo(a)pyrene	35	J	µg/kg
BH-17B	12/21/88	EPA8270	1.5	1.5	feet	Dibenz(a,h)anthracene	64	U	µg/kg
BH-17B	12/21/88	EPA8270	1.5	1.5	feet	Fluorene	64	U	µg/kg
BH-17B	12/21/88	EPA8270	1.5	1.5	feet	Naphthalene	64	U	µg/kg
BH-17B	12/21/88	EPA8270	1.5	1.5	feet	Anthracene	64	U	µg/kg
BH-17B	12/21/88	EPA8270	1.5	1.5	feet	Phenanthrene	66	J	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
BH-17B	12/21/88	EPA8270	1.5	1.5	feet	Acenaphthene	64	U	µg/kg
BH-17B	12/21/88	EPA8270	1.5	1.5	feet	2-Methylnaphthalene	64	U	µg/kg
BH-17B	12/21/88	EPA8270	1.5	1.5	feet	Fluoranthene	64	J	µg/kg
BH-17B	12/21/88	EPA8270	1.5	1.5	feet	Pyrene	63	J	µg/kg
BH-17B	12/21/88	EPA8270	7.5	7.5	feet	Naphthalene	55	U	µg/kg
BH-17B	12/21/88	EPA8270	7.5	7.5	feet	Indeno(1,2,3-cd)pyrene	55	U	µg/kg
BH-17B	12/21/88	EPA8270	7.5	7.5	feet	Pyrene	55	U	µg/kg
BH-17B	12/21/88	EPA8270	7.5	7.5	feet	Fluorene	55	U	µg/kg
BH-17B	12/21/88	EPA8270	7.5	7.5	feet	Phenanthrene	55	U	µg/kg
BH-17B	12/21/88	EPA8270	7.5	7.5	feet	2-Methylnaphthalene	55	U	µg/kg
BH-17B	12/21/88	EPA8270	7.5	7.5	feet	Acenaphthene	55	U	µg/kg
BH-17B	12/21/88	EPA8270	7.5	7.5	feet	Acenaphthylene	55	U	µg/kg
BH-17B	12/21/88	EPA8270	7.5	7.5	feet	Anthracene	55	U	µg/kg
BH-17B	12/21/88	EPA8270	7.5	7.5	feet	Benzo(a)anthracene	55	U	µg/kg
BH-17B	12/21/88	EPA8270	7.5	7.5	feet	Benzo(a)pyrene	55	U	µg/kg
BH-17B	12/21/88	EPA8270	7.5	7.5	feet	Benzo(b,k)fluoranthene	55	U	µg/kg
BH-17B	12/21/88	EPA8270	7.5	7.5	feet	Benzo(g,h,i)perylene	55	U	µg/kg
BH-17B	12/21/88	EPA8270	7.5	7.5	feet	Chrysene	55	U	µg/kg
BH-17B	12/21/88	EPA8270	7.5	7.5	feet	Dibenz(a,h)anthracene	55	U	µg/kg
BH-17B	12/21/88	EPA8270	7.5	7.5	feet	Fluoranthene	55	U	µg/kg
BH-17B	12/22/88	EPA8270	13.5	13.5	feet	Acenaphthene	70	U	µg/kg
BH-17B	12/22/88	EPA8270	13.5	13.5	feet	Indeno(1,2,3-cd)pyrene	70	U	µg/kg
BH-17B	12/22/88	EPA8270	13.5	13.5	feet	Benzo(b,k)fluoranthene	70	U	µg/kg
BH-17B	12/22/88	EPA8270	13.5	13.5	feet	Dibenz(a,h)anthracene	70	U	µg/kg
BH-17B	12/22/88	EPA8270	13.5	13.5	feet	Benzo(a)pyrene	70	U	µg/kg
BH-17B	12/22/88	EPA8270	13.5	13.5	feet	Fluoranthene	70	U	µg/kg
BH-17B	12/22/88	EPA8270	13.5	13.5	feet	Benzo(a)anthracene	70	U	µg/kg
BH-17B	12/22/88	EPA8270	13.5	13.5	feet	Fluorene	70	U	µg/kg
BH-17B	12/22/88	EPA8270	13.5	13.5	feet	Anthracene	70	U	µg/kg
BH-17B	12/22/88	EPA8270	13.5	13.5	feet	Acenaphthylene	70	U	µg/kg
BH-17B	12/22/88	EPA8270	13.5	13.5	feet	Benzo(g,h,i)perylene	70	U	µg/kg
BH-17B	12/22/88	EPA8270	13.5	13.5	feet	Naphthalene	70	U	µg/kg
BH-17B	12/22/88	EPA8270	13.5	13.5	feet	Chrysene	70	U	µg/kg
BH-17B	12/22/88	EPA8270	13.5	13.5	feet	Phenanthrene	70	U	µg/kg
BH-17B	12/22/88	EPA8270	13.5	13.5	feet	2-Methylnaphthalene	70	U	µg/kg
BH-17B	12/22/88	EPA8270	13.5	13.5	feet	Pyrene	70	U	µg/kg
BH-17B	12/22/88	EPA8270	18.5	18.5	feet	Indeno(1,2,3-cd)pyrene	68	U	µg/kg
BH-17B	12/22/88	EPA8270	18.5	18.5	feet	Fluorene	68	U	µg/kg
BH-17B	12/22/88	EPA8270	18.5	18.5	feet	Phenanthrene	68	U	µg/kg
BH-17B	12/22/88	EPA8270	18.5	18.5	feet	Fluoranthene	68	U	µg/kg
BH-17B	12/22/88	EPA8270	18.5	18.5	feet	Dibenz(a,h)anthracene	68	U	µg/kg
BH-17B	12/22/88	EPA8270	18.5	18.5	feet	Pyrene	68	U	µg/kg
BH-17B	12/22/88	EPA8270	18.5	18.5	feet	Chrysene	68	U	µg/kg
BH-17B	12/22/88	EPA8270	18.5	18.5	feet	Naphthalene	68	U	µg/kg
BH-17B	12/22/88	EPA8270	18.5	18.5	feet	Acenaphthene	68	U	µg/kg
BH-17B	12/22/88	EPA8270	18.5	18.5	feet	Benzo(g,h,i)perylene	68	U	µg/kg
BH-17B	12/22/88	EPA8270	18.5	18.5	feet	2-Methylnaphthalene	68	U	µg/kg
BH-17B	12/22/88	EPA8270	18.5	18.5	feet	Benzo(b,k)fluoranthene	68	U	µg/kg
BH-17B	12/22/88	EPA8270	18.5	18.5	feet	Benzo(a)pyrene	68	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc Units
BH-17B	12/22/88	EPA8270	18.5	18.5	feet	Benzo(a)anthracene	58	U	µg/kg
BH-17B	12/22/88	EPA8270	18.5	18.5	feet	Acenaphthylene	58	U	µg/kg
BH-17B	12/22/88	EPA8270	18.5	18.5	feet	Anthracene	58	U	µg/kg
BH-17B	12/22/88	EPA8270	23.5	23.5	feet	Dibenz(a,h)anthracene	61	U	µg/kg
BH-17B	12/22/88	EPA8270	23.5	23.5	feet	Acenaphthene	61	U	µg/kg
BH-17B	12/22/88	EPA8270	23.5	23.5	feet	Chrysene	61	U	µg/kg
BH-17B	12/22/88	EPA8270	23.5	23.5	feet	Phenanthrene	61	U	µg/kg
BH-17B	12/22/88	EPA8270	23.5	23.5	feet	Acenaphthylene	61	U	µg/kg
BH-17B	12/22/88	EPA8270	23.5	23.5	feet	Naphthalene	61	U	µg/kg
BH-17B	12/22/88	EPA8270	23.5	23.5	feet	Benzo(g,h,i)perylene	61	U	µg/kg
BH-17B	12/22/88	EPA8270	23.5	23.5	feet	Indeno(1,2,3-cd)pyrene	61	U	µg/kg
BH-17B	12/22/88	EPA8270	23.5	23.5	feet	Benzo(a)anthracene	61	U	µg/kg
BH-17B	12/22/88	EPA8270	23.5	23.5	feet	Fluorene	61	U	µg/kg
BH-17B	12/22/88	EPA8270	23.5	23.5	feet	Benzo(e)pyrene	61	U	µg/kg
BH-17B	12/22/88	EPA8270	23.5	23.5	feet	Fluoranthene	61	U	µg/kg
BH-17B	12/22/88	EPA8270	23.5	23.5	feet	Benzo(b,k)fluoranthene	61	U	µg/kg
BH-17B	12/22/88	EPA8270	23.5	23.5	feet	2-Methylnaphthalene	61	U	µg/kg
BH-17B	12/22/88	EPA8270	23.5	23.5	feet	Pyrene	61	U	µg/kg
BH-17B	12/22/88	EPA8270	23.5	23.5	feet	Anthracene	61	U	µg/kg
BH-18B	2/5/190	EPA8270	12.5	12.5	feet	Benzo(b,k)fluoranthene	320		µg/kg
BH-18B	2/5/190	EPA8270	12.5	12.5	feet	Benzo(a)pyrene	180		µg/kg
BH-18B	2/5/190	EPA8270	12.5	12.5	feet	Benzo(a)anthracene	120	J	µg/kg
BH-18B	2/5/190	EPA8270	12.5	12.5	feet	Anthracene	250		µg/kg
BH-18B	2/5/190	EPA8270	12.5	12.5	feet	Benzo(g,h,i)perylene	150	J	µg/kg
BH-18B	2/5/190	EPA8270	12.5	12.5	feet	Acenaphthene	430		µg/kg
BH-18B	2/5/190	EPA8270	12.5	12.5	feet	Phenanthrene	780		µg/kg
BH-18B	2/5/190	EPA8270	12.5	12.5	feet	Acenaphthylene	170	U	µg/kg
BH-18B	2/5/190	EPA8270	12.5	12.5	feet	Chrysene	180		µg/kg
BH-18B	2/5/190	EPA8270	12.5	12.5	feet	Dibenz(a,h)anthracene	80	M	µg/kg
BH-18B	2/5/190	EPA8270	12.5	12.5	feet	Fluoranthene	300		µg/kg
BH-18B	2/5/190	EPA8270	12.5	12.5	feet	Fluorene	230		µg/kg
BH-18B	2/5/190	EPA8270	12.5	12.5	feet	Naphthalene	5,000		µg/kg
BH-18B	2/5/190	EPA8270	12.5	12.5	feet	Pyrene	280		µg/kg
BH-18B	2/5/190	EPA8270	12.5	12.5	feet	2-Methylnaphthalene	730		µg/kg
BH-18B	2/5/190	EPA8270	12.5	12.5	feet	Indeno(1,2,3-cd)pyrene	220		µg/kg
BH-18B	12/14/88	EPA8270	9	9	feet	Acenaphthylene	330		µg/kg
BH-18B	12/14/88	EPA8270	9	9	feet	Benzo(b)fluoranthene	1,900		µg/kg
BH-18B	12/14/88	EPA8270	9	9	feet	Pyrene	3,800		µg/kg
BH-18B	12/14/88	EPA8270	9	9	feet	Acenaphthene	11,000		µg/kg
BH-18B	12/14/88	EPA8270	9	9	feet	Anthracene	3,700		µg/kg
BH-18B	12/14/88	EPA8270	9	9	feet	Benzo(a)anthracene	1,800		µg/kg
BH-18B	12/14/88	EPA8270	9	9	feet	Benzo(a)pyrene	2,400		µg/kg
BH-18B	12/14/88	EPA8270	9	9	feet	Benzo(b,k)fluoranthene	3,800		µg/kg
BH-18B	12/14/88	EPA8270	9	9	feet	Benzo(g,h,i)perylene	1,800		µg/kg
BH-18B	12/14/88	EPA8270	9	9	feet	Naphthalene	110,000		µg/kg
BH-18B	12/14/88	EPA8270	9	9	feet	Chrysene	3,100		µg/kg
BH-18B	12/14/88	EPA8270	9	9	feet	Dibenz(a,h)anthracene	580		µg/kg
BH-18B	12/14/88	EPA8270	9	9	feet	Fluoranthene	4,300		µg/kg
BH-18B	12/14/88	EPA8270	9	9	feet	Fluorene	7,800		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
BH-168	12/14/88	EPA8270	9	9	feet	Indeno(1,2,3-cd)pyrene	2,300		µg/kg
BH-168	12/14/88	EPA8270	9	9	feet	Benzo(k)fluoranthene	1,900		µg/kg
BH-168	12/14/88	EPA8270	9	9	feet	Phenanthrene	8,900		µg/kg
BH-168	12/14/88	EPA8270	9	9	feet	2-Methylnaphthalene	35,000		µg/kg
BH-168	12/15/88	EPA8270	17.5	17.5	feet	Anthracene	380		µg/kg
BH-168	12/15/88	EPA8270	17.5	17.5	feet	Benzo(a)anthracene	170		µg/kg
BH-168	12/15/88	EPA8270	17.5	17.5	feet	Fluoranthene	590		µg/kg
BH-168	12/15/88	EPA8270	17.5	17.5	feet	Benzo(a)pyrene	240		µg/kg
BH-168	12/15/88	EPA8270	17.5	17.5	feet	Dibenz(a,h)anthracene	78	J	µg/kg
BH-168	12/15/88	EPA8270	17.5	17.5	feet	Chrysene	220		µg/kg
BH-168	12/15/88	EPA8270	17.5	17.5	feet	2-Methylnaphthalene	1,500		µg/kg
BH-168	12/15/88	EPA8270	17.5	17.5	feet	Benzo(b,k)fluoranthene	370		µg/kg
BH-168	12/15/88	EPA8270	17.5	17.5	feet	Naphthalene	5,600		µg/kg
BH-168	12/15/88	EPA8270	17.5	17.5	feet	Pyrene	460		µg/kg
BH-168	12/15/88	EPA8270	17.5	17.5	feet	Phenanthrene	1,400		µg/kg
BH-168	12/15/88	EPA8270	17.5	17.5	feet	Fluorene	490		µg/kg
BH-168	12/15/88	EPA8270	17.5	17.5	feet	Acenaphthylene	79	U	µg/kg
BH-168	12/15/88	EPA8270	17.5	17.5	feet	Benzo(g,h,i)perylene	200		µg/kg
BH-168	12/15/88	EPA8270	17.5	17.5	feet	Acenaphthene	870		µg/kg
BH-168	12/15/88	EPA8270	17.5	17.5	feet	Indeno(1,2,3-cd)pyrene	250		µg/kg
BH-168	12/15/88	EPA8270	22.5	22.5	feet	Fluorene	57	U	µg/kg
BH-168	12/15/88	EPA8270	22.5	22.5	feet	Naphthalene	57	U	µg/kg
BH-168	12/15/88	EPA8270	22.5	22.5	feet	Phenanthrene	57	U	µg/kg
BH-168	12/15/88	EPA8270	22.5	22.5	feet	Dibenz(a,h)anthracene	57	U	µg/kg
BH-168	12/15/88	EPA8270	22.5	22.5	feet	Pyrene	57	U	µg/kg
BH-168	12/15/88	EPA8270	22.5	22.5	feet	Indeno(1,2,3-cd)pyrene	57	U	µg/kg
BH-168	12/15/88	EPA8270	22.5	22.5	feet	Chrysene	57	U	µg/kg
BH-168	12/15/88	EPA8270	22.5	22.5	feet	Fluoranthene	57	U	µg/kg
BH-168	12/15/88	EPA8270	22.5	22.5	feet	Acenaphthene	57	U	µg/kg
BH-168	12/15/88	EPA8270	22.5	22.5	feet	Benzo(g,h,i)perylene	57	U	µg/kg
BH-168	12/15/88	EPA8270	22.5	22.5	feet	Benzo(b,k)fluoranthene	57	U	µg/kg
BH-168	12/15/88	EPA8270	22.5	22.5	feet	Benzo(a)pyrene	57	U	µg/kg
BH-168	12/15/88	EPA8270	22.5	22.5	feet	2-Methylnaphthalene	57	U	µg/kg
BH-168	12/15/88	EPA8270	22.5	22.5	feet	Benzo(a)anthracene	57	U	µg/kg
BH-168	12/15/88	EPA8270	22.5	22.5	feet	Anthracene	57	U	µg/kg
BH-168	12/15/88	EPA8270	22.5	22.5	feet	Acenaphthylene	57	U	µg/kg
BH-168	12/15/88	EPA8270	37.5	37.5	feet	Fluorene	51	U	µg/kg
BH-168	12/15/88	EPA8270	37.5	37.5	feet	Chrysene	51	U	µg/kg
BH-168	12/15/88	EPA8270	37.5	37.5	feet	2-Methylnaphthalene	51	U	µg/kg
BH-168	12/15/88	EPA8270	37.5	37.5	feet	Pyrene	51	U	µg/kg
BH-168	12/15/88	EPA8270	37.5	37.5	feet	Acenaphthene	51	U	µg/kg
BH-168	12/15/88	EPA8270	37.5	37.5	feet	Naphthalene	320		µg/kg
BH-168	12/15/88	EPA8270	37.5	37.5	feet	Acenaphthylene	51	U	µg/kg
BH-168	12/15/88	EPA8270	37.5	37.5	feet	Indeno(1,2,3-cd)pyrene	51	U	µg/kg
BH-168	12/15/88	EPA8270	37.5	37.5	feet	Benzo(g,h,i)perylene	51	U	µg/kg
BH-168	12/15/88	EPA8270	37.5	37.5	feet	Benzo(a)anthracene	51	U	µg/kg
BH-168	12/15/88	EPA8270	37.5	37.5	feet	Benzo(a)pyrene	51	U	µg/kg
BH-168	12/15/88	EPA8270	37.5	37.5	feet	Fluoranthene	51	U	µg/kg
BH-168	12/15/88	EPA8270	37.5	37.5	feet	Benzo(b,k)fluoranthene	51	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
BH-18B	12/15/88	EPA8270	37.5	37.5	feet	Anthracene	51	U	µg/kg
BH-18B	12/15/88	EPA8270	37.5	37.5	feet	Dibenz(a,h)anthracene	51	U	µg/kg
BH-18B	12/15/88	EPA8270	37.5	37.5	feet	Phenanthrene	51	U	µg/kg
BH-19	12/19/88	EPA8270	3	3	feet	Chrysene	270,000		µg/kg
BH-19	12/19/88	EPA8270	3	3	feet	Anthracene	79,000		µg/kg
BH-19	12/19/88	EPA8270	3	3	feet	Benzo(a)anthracene	280,000		µg/kg
BH-19	12/19/88	EPA8270	3	3	feet	Indeno(1,2,3-cd)pyrene	180,000		µg/kg
BH-19	12/19/88	EPA8270	3	3	feet	Benzo(a)pyrene	200,000		µg/kg
BH-19	12/19/88	EPA8270	3	3	feet	Fluorene	55,000		µg/kg
BH-19	12/19/88	EPA8270	3	3	feet	Benzo(g,h,i)perylene	170,000		µg/kg
BH-19	12/19/88	EPA8270	3	3	feet	Dibenz(a,h)anthracene	85,000		µg/kg
BH-19	12/19/88	EPA8270	3	3	feet	Naphthalene	170,000		µg/kg
BH-19	12/19/88	EPA8270	3	3	feet	Acenaphthene	64,000		µg/kg
BH-19	12/19/88	EPA8270	3	3	feet	Benzo(b,k)fluoranthene	300,000		µg/kg
BH-19	12/19/88	EPA8270	3	3	feet	2-Methylnaphthalene	68,000		µg/kg
BH-19	12/19/88	EPA8270	3	3	feet	Fluoranthene	390,000		µg/kg
BH-19	12/19/88	EPA8270	3	3	feet	Pyrene	520,000		µg/kg
BH-19	12/19/88	EPA8270	3	3	feet	Phenanthrene	500,000		µg/kg
BH-19	12/19/88	EPA8270	3	3	feet	Acenaphthylene	5,000		µg/kg
BH-19	12/19/88	EPA8270	5	5	feet	Dibenz(a,h)anthracene	38,000		µg/kg
BH-19	12/19/88	EPA8270	5	5	feet	Chrysene	140,000		µg/kg
BH-19	12/19/88	EPA8270	5	5	feet	Fluoranthene	200,000		µg/kg
BH-19	12/19/88	EPA8270	5	5	feet	Benzo(g,h,i)perylene	110,000		µg/kg
BH-19	12/19/88	EPA8270	5	5	feet	Fluorene	24,000		µg/kg
BH-19	12/19/88	EPA8270	5	5	feet	2-Methylnaphthalene	31,000		µg/kg
BH-19	12/19/88	EPA8270	5	5	feet	Benzo(b,k)fluoranthene	190,000		µg/kg
BH-19	12/19/88	EPA8270	5	5	feet	Acenaphthene	31,000		µg/kg
BH-19	12/19/88	EPA8270	5	5	feet	Pyrene	270,000		µg/kg
BH-19	12/19/88	EPA8270	5	5	feet	Benzo(a)pyrene	140,000		µg/kg
BH-19	12/19/88	EPA8270	5	5	feet	Indeno(1,2,3-cd)pyrene	110,000		µg/kg
BH-19	12/19/88	EPA8270	5	5	feet	Benzo(a)anthracene	130,000		µg/kg
BH-19	12/19/88	EPA8270	5	5	feet	Naphthalene	58,000		µg/kg
BH-19	12/19/88	EPA8270	5	5	feet	Phenanthrene	220,000		µg/kg
BH-19	12/19/88	EPA8270	5	5	feet	Anthracene	46,000		µg/kg
BH-19	12/19/88	EPA8270	5	5	feet	Acenaphthylene	1,600	J	µg/kg
BH-19	12/19/88	EPA8270	12.5	12.5	feet	Pyrene	72	U	µg/kg
BH-19	12/19/88	EPA8270	12.5	12.5	feet	Fluorene	72	U	µg/kg
BH-19	12/19/88	EPA8270	12.5	12.5	feet	Naphthalene	340		µg/kg
BH-19	12/19/88	EPA8270	12.5	12.5	feet	Fluoranthene	72	U	µg/kg
BH-19	12/19/88	EPA8270	12.5	12.5	feet	Phenanthrene	72	U	µg/kg
BH-19	12/19/88	EPA8270	12.5	12.5	feet	Indeno(1,2,3-cd)pyrene	72	U	µg/kg
BH-19	12/19/88	EPA8270	12.5	12.5	feet	Benzo(g,h,i)perylene	72	U	µg/kg
BH-19	12/19/88	EPA8270	12.5	12.5	feet	Anthracene	72	U	µg/kg
BH-19	12/19/88	EPA8270	12.5	12.5	feet	Benzo(a)pyrene	72	U	µg/kg
BH-19	12/19/88	EPA8270	12.5	12.5	feet	Benzo(b,k)fluoranthene	72	U	µg/kg
BH-19	12/19/88	EPA8270	12.5	12.5	feet	Benzo(a)anthracene	72	U	µg/kg
BH-19	12/19/88	EPA8270	12.5	12.5	feet	Acenaphthylene	72	U	µg/kg
BH-19	12/19/88	EPA8270	12.5	12.5	feet	Acenaphthene	72	U	µg/kg
BH-19	12/19/88	EPA8270	12.5	12.5	feet	2-Methylnaphthalene	72	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
BH-19	12/19/88	EPA8270	12.5	12.5	feet	Chrysene	72	U	µg/kg
BH-19	12/19/88	EPA8270	12.5	12.5	feet	Dibenz(a,h)anthracene	72	U	µg/kg
BH-19	12/19/88	EPA8270	18	18	feet	Pyrene	130	J	µg/kg
BH-19	12/19/88	EPA8270	18	18	feet	2-Methylnaphthalene	180	U	µg/kg
BH-19	12/19/88	EPA8270	18	18	feet	Acenaphthylene	180	U	µg/kg
BH-19	12/19/88	EPA8270	18	18	feet	Phenanthrene	110	J	µg/kg
BH-19	12/19/88	EPA8270	18	18	feet	Fluorene	180	U	µg/kg
BH-19	12/19/88	EPA8270	18	18	feet	Anthracene	180	U	µg/kg
BH-19	12/19/88	EPA8270	18	18	feet	Acenaphthene	180	U	µg/kg
BH-19	12/19/88	EPA8270	18	18	feet	Fluoranthene	86	J	µg/kg
BH-19	12/19/88	EPA8270	18	18	feet	Benzo(a)anthracene	180	U	µg/kg
BH-19	12/19/88	EPA8270	18	18	feet	Chrysene	87	J	µg/kg
BH-19	12/19/88	EPA8270	18	18	feet	Benzo(g,h,i)perylene	180	U	µg/kg
BH-19	12/19/88	EPA8270	18	18	feet	Dibenz(a,h)anthracene	180	U	µg/kg
BH-19	12/19/88	EPA8270	18	18	feet	Benzo(b,k)fluoranthene	180	U	µg/kg
BH-19	12/19/88	EPA8270	18	18	feet	Indeno(1,2,3-cd)pyrene	180	U	µg/kg
BH-19	12/19/88	EPA8270	18	18	feet	Benzo(a)pyrene	180	U	µg/kg
BH-19	12/19/88	EPA8270	18	18	feet	Naphthalene	180	U	µg/kg
BH-20B	12/19/88	EPA8270	3	3	feet	Chrysene	12,000		µg/kg
BH-20B	12/19/88	EPA8270	3	3	feet	Phenanthrene	8,800		µg/kg
BH-20B	12/19/88	EPA8270	3	3	feet	Benzo(a)pyrene	8,800		µg/kg
BH-20B	12/19/88	EPA8270	3	3	feet	Fluorene	960		µg/kg
BH-20B	12/19/88	EPA8270	3	3	feet	Benzo(g,h,i)perylene	8,700		µg/kg
BH-20B	12/19/88	EPA8270	3	3	feet	Benzo(b,k)fluoranthene	17,000		µg/kg
BH-20B	12/19/88	EPA8270	3	3	feet	Indeno(1,2,3-cd)pyrene	8,800		µg/kg
BH-20B	12/19/88	EPA8270	3	3	feet	Naphthalene	530		µg/kg
BH-20B	12/19/88	EPA8270	3	3	feet	Benzo(b)fluoranthene	0		µg/kg
BH-20B	12/19/88	EPA8270	3	3	feet	Fluoranthene	12,000		µg/kg
BH-20B	12/19/88	EPA8270	3	3	feet	Benzo(a)anthracene	7,500		µg/kg
BH-20B	12/19/88	EPA8270	3	3	feet	2-Methylnaphthalene	470		µg/kg
BH-20B	12/19/88	EPA8270	3	3	feet	Anthracene	3,700		µg/kg
BH-20B	12/19/88	EPA8270	3	3	feet	Acenaphthylene	1,000		µg/kg
BH-20B	12/19/88	EPA8270	3	3	feet	Pyrene	14,000		µg/kg
BH-20B	12/19/88	EPA8270	3	3	feet	Acenaphthene	1,100		µg/kg
BH-20B	12/19/88	EPA8270	3	3	feet	Dibenz(a,h)anthracene	3,100		µg/kg
BH-20B	12/19/88	EPA8270	3	3	feet	Benzo(k)fluoranthene	0		µg/kg
BH-20B	12/19/88	EPA8270	8	8	feet	Naphthalene	88,000		µg/kg
BH-20B	12/19/88	EPA8270	8	8	feet	Pyrene	110	U	µg/kg
BH-20B	12/19/88	EPA8270	8	8	feet	Indeno(1,2,3-cd)pyrene	110	U	µg/kg
BH-20B	12/19/88	EPA8270	8	8	feet	Fluorene	4,400		µg/kg
BH-20B	12/19/88	EPA8270	8	8	feet	Fluoranthene	110	U	µg/kg
BH-20B	12/19/88	EPA8270	8	8	feet	Phenanthrene	1,600		µg/kg
BH-20B	12/19/88	EPA8270	8	8	feet	Anthracene	92	J	µg/kg
BH-20B	12/19/88	EPA8270	8	8	feet	Dibenz(a,h)anthracene	110	U	µg/kg
BH-20B	12/19/88	EPA8270	8	8	feet	2-Methylnaphthalene	2,500		µg/kg
BH-20B	12/19/88	EPA8270	8	8	feet	Chrysene	110	U	µg/kg
BH-20B	12/19/88	EPA8270	8	8	feet	Acenaphthylene	110	U	µg/kg
BH-20B	12/19/88	EPA8270	8	8	feet	Benzo(a)anthracene	110	U	µg/kg
BH-20B	12/19/88	EPA8270	8	8	feet	Benzo(a)pyrene	110	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
BH-20B	12/19/88	EPA8270	8	8	feet	Benzo(b)fluoranthene	0		µg/kg
BH-20B	12/19/88	EPA8270	8	8	feet	Benzo(b,k)fluoranthene	110	U	µg/kg
BH-20B	12/19/88	EPA8270	8	8	feet	Benzo(g,h,i)perylene	110	U	µg/kg
BH-20B	12/19/88	EPA8270	8	8	feet	Benzo(k)fluoranthene	0		µg/kg
BH-20B	12/19/88	EPA8270	8	8	feet	Acenaphthene	9,400		µg/kg
BH-20B	12/20/88	EPA8270	12.5	12.5	feet	Indeno(1,2,3-cd)pyrene	94	U	µg/kg
BH-20B	12/20/88	EPA8270	12.5	12.5	feet	Benzo(a)pyrene	94	U	µg/kg
BH-20B	12/20/88	EPA8270	12.5	12.5	feet	Benzo(b,k)fluoranthene	94	U	µg/kg
BH-20B	12/20/88	EPA8270	12.5	12.5	feet	Benzo(g,h,i)perylene	94	U	µg/kg
BH-20B	12/20/88	EPA8270	12.5	12.5	feet	Acenaphthylene	94	U	µg/kg
BH-20B	12/20/88	EPA8270	12.5	12.5	feet	Dibenz(a,h)anthracene	94	U	µg/kg
BH-20B	12/20/88	EPA8270	12.5	12.5	feet	Fluoranthene	94	U	µg/kg
BH-20B	12/20/88	EPA8270	12.5	12.5	feet	Fluorene	94	U	µg/kg
BH-20B	12/20/88	EPA8270	12.5	12.5	feet	Anthracene	94	U	µg/kg
BH-20B	12/20/88	EPA8270	12.5	12.5	feet	2-Methylnaphthalene	94	U	µg/kg
BH-20B	12/20/88	EPA8270	12.5	12.5	feet	Benzo(a)anthracene	94	U	µg/kg
BH-20B	12/20/88	EPA8270	12.5	12.5	feet	Naphthalene	1,200		µg/kg
BH-20B	12/20/88	EPA8270	12.5	12.5	feet	Chrysene	94	U	µg/kg
BH-20B	12/20/88	EPA8270	12.5	12.5	feet	Phenanthrene	94	U	µg/kg
BH-20B	12/20/88	EPA8270	12.5	12.5	feet	Pyrene	94	U	µg/kg
BH-20B	12/20/88	EPA8270	12.5	12.5	feet	Acenaphthene	45	J	µg/kg
BH-20B	12/20/88	EPA8270	17.5	17.5	feet	Benzo(a)anthracene	140	U	µg/kg
BH-20B	12/20/88	EPA8270	17.5	17.5	feet	Benzo(a)pyrene	140	U	µg/kg
BH-20B	12/20/88	EPA8270	17.5	17.5	feet	Benzo(b,k)fluoranthene	140	U	µg/kg
BH-20B	12/20/88	EPA8270	17.5	17.5	feet	Phenanthrene	140	U	µg/kg
BH-20B	12/20/88	EPA8270	17.5	17.5	feet	Fluorene	140	U	µg/kg
BH-20B	12/20/88	EPA8270	17.5	17.5	feet	Pyrene	140	U	µg/kg
BH-20B	12/20/88	EPA8270	17.5	17.5	feet	Chrysene	140	U	µg/kg
BH-20B	12/20/88	EPA8270	17.5	17.5	feet	Naphthalene	23,000		µg/kg
BH-20B	12/20/88	EPA8270	17.5	17.5	feet	Dibenz(a,h)anthracene	140	U	µg/kg
BH-20B	12/20/88	EPA8270	17.5	17.5	feet	Fluoranthene	140	U	µg/kg
BH-20B	12/20/88	EPA8270	17.5	17.5	feet	Indeno(1,2,3-cd)pyrene	140	U	µg/kg
BH-20B	12/20/88	EPA8270	17.5	17.5	feet	Benzo(g,h,i)perylene	140	U	µg/kg
BH-20B	12/20/88	EPA8270	17.5	17.5	feet	2-Methylnaphthalene	1,100		µg/kg
BH-20B	12/20/88	EPA8270	17.5	17.5	feet	Acenaphthene	59	J	µg/kg
BH-20B	12/20/88	EPA8270	17.5	17.5	feet	Anthracene	140	U	µg/kg
BH-20B	12/20/88	EPA8270	17.5	17.5	feet	Acenaphthylene	140	U	µg/kg
BH-20B	12/20/88	EPA8270	22.5	22.5	feet	Fluoranthene	36	J	µg/kg
BH-20B	12/20/88	EPA8270	22.5	22.5	feet	Benzo(b,k)fluoranthene	69		µg/kg
BH-20B	12/20/88	EPA8270	22.5	22.5	feet	Acenaphthene	70	U	µg/kg
BH-20B	12/20/88	EPA8270	22.5	22.5	feet	Acenaphthylene	70	U	µg/kg
BH-20B	12/20/88	EPA8270	22.5	22.5	feet	Dibenz(a,h)anthracene	70	U	µg/kg
BH-20B	12/20/88	EPA8270	22.5	22.5	feet	Pyrene	55	J	µg/kg
BH-20B	12/20/88	EPA8270	22.5	22.5	feet	Indeno(1,2,3-cd)pyrene	70	U	µg/kg
BH-20B	12/20/88	EPA8270	22.5	22.5	feet	Benzo(g,h,i)perylene	31	J	µg/kg
BH-20B	12/20/88	EPA8270	22.5	22.5	feet	Anthracene	70	U	µg/kg
BH-20B	12/20/88	EPA8270	22.5	22.5	feet	Fluorene	70	U	µg/kg
BH-20B	12/20/88	EPA8270	22.5	22.5	feet	Naphthalene	1,600		µg/kg
BH-20B	12/20/88	EPA8270	22.5	22.5	feet	Benzo(e)pyrene	55	J	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
BH-208	12/20/88	EPA8270	22.5	22.5	feet	Phenanthrene	76		µg/kg
BH-208	12/20/88	EPA8270	22.5	22.5	feet	2-Methylnaphthalene	100		µg/kg
BH-208	12/20/88	EPA8270	22.5	22.5	feet	Benzo(a)anthracene	37	J	µg/kg
BH-208	12/20/88	EPA8270	22.5	22.5	feet	Chrysene	38	J	µg/kg
BH-208	12/20/88	EPA8270	27.5	27.5	feet	Acenaphthylene	56	U	µg/kg
BH-208	12/20/88	EPA8270	27.5	27.5	feet	Dibenz(a,h)anthracene	56	U	µg/kg
BH-208	12/20/88	EPA8270	27.5	27.5	feet	Fluoranthene	56	U	µg/kg
BH-208	12/20/88	EPA8270	27.5	27.5	feet	Fluorene	56	U	µg/kg
BH-208	12/20/88	EPA8270	27.5	27.5	feet	Indeno(1,2,3-cd)pyrene	56	U	µg/kg
BH-208	12/20/88	EPA8270	27.5	27.5	feet	2-Methylnaphthalene	210		µg/kg
BH-208	12/20/88	EPA8270	27.5	27.5	feet	Naphthalene	4,100		µg/kg
BH-208	12/20/88	EPA8270	27.5	27.5	feet	Phenanthrene	56	U	µg/kg
BH-208	12/20/88	EPA8270	27.5	27.5	feet	Pyrene	56	U	µg/kg
BH-208	12/20/88	EPA8270	27.5	27.5	feet	Acenaphthene	40	J	µg/kg
BH-208	12/20/88	EPA8270	27.5	27.5	feet	Chrysene	66	U	µg/kg
BH-208	12/20/88	EPA8270	27.5	27.5	feet	Benzo(b,k)fluoranthene	56	U	µg/kg
BH-208	12/20/88	EPA8270	27.5	27.5	feet	Benzo(a)anthracene	56	U	µg/kg
BH-208	12/20/88	EPA8270	27.5	27.5	feet	Benzo(a)pyrene	56	U	µg/kg
BH-208	12/20/88	EPA8270	27.5	27.5	feet	Anthracene	56	U	µg/kg
BH-208	12/20/88	EPA8270	27.5	27.5	feet	Benzo(g,h,i)perylene	56	U	µg/kg
BH-208	12/20/88	EPA8270	32.5	32.5	feet	Anthracene	70	U	µg/kg
BH-208	12/20/88	EPA8270	32.5	32.5	feet	Benzo(a)pyrene	70	U	µg/kg
BH-208	12/20/88	EPA8270	32.5	32.5	feet	Acenaphthene	45	J	µg/kg
BH-208	12/20/88	EPA8270	32.5	32.5	feet	Fluorene	70	U	µg/kg
BH-208	12/20/88	EPA8270	32.5	32.5	feet	Benzo(b,k)fluoranthene	70	U	µg/kg
BH-208	12/20/88	EPA8270	32.5	32.5	feet	Naphthalene	2,800		µg/kg
BH-208	12/20/88	EPA8270	32.5	32.5	feet	Fluoranthene	70	U	µg/kg
BH-208	12/20/88	EPA8270	32.5	32.5	feet	2-Methylnaphthalene	180		µg/kg
BH-208	12/20/88	EPA8270	32.5	32.5	feet	Indeno(1,2,3-cd)pyrene	70	U	µg/kg
BH-208	12/20/88	EPA8270	32.5	32.5	feet	Phenanthrene	70	U	µg/kg
BH-208	12/20/88	EPA8270	32.5	32.5	feet	Benzo(a)anthracene	70	U	µg/kg
BH-208	12/20/88	EPA8270	32.5	32.5	feet	Dibenz(a,h)anthracene	70	U	µg/kg
BH-208	12/20/88	EPA8270	32.5	32.5	feet	Benzo(g,h,i)perylene	70	U	µg/kg
BH-208	12/20/88	EPA8270	32.5	32.5	feet	Acenaphthylene	70	U	µg/kg
BH-208	12/20/88	EPA8270	32.5	32.5	feet	Chrysene	70	U	µg/kg
BH-208	12/20/88	EPA8270	32.5	32.5	feet	Pyrene	70	U	µg/kg
BH-208	12/20/88	EPA8270	37.5	37.5	feet	Anthracene	58	U	µg/kg
BH-208	12/20/88	EPA8270	37.5	37.5	feet	Benzo(a)anthracene	58	U	µg/kg
BH-208	12/20/88	EPA8270	37.5	37.5	feet	2-Methylnaphthalene	59		µg/kg
BH-208	12/20/88	EPA8270	37.5	37.5	feet	Benzo(a)pyrene	59	U	µg/kg
BH-208	12/20/88	EPA8270	37.5	37.5	feet	Naphthalene	600		µg/kg
BH-208	12/20/88	EPA8270	37.5	37.5	feet	Pyrene	58	U	µg/kg
BH-208	12/20/88	EPA8270	37.5	37.5	feet	Phenanthrene	58	U	µg/kg
BH-208	12/20/88	EPA8270	37.5	37.5	feet	Benzo(g,h,i)perylene	58	U	µg/kg
BH-208	12/20/88	EPA8270	37.5	37.5	feet	Chrysene	58	U	µg/kg
BH-208	12/20/88	EPA8270	37.5	37.5	feet	Acenaphthylene	58	U	µg/kg
BH-208	12/20/88	EPA8270	37.5	37.5	feet	Acenaphthene	28	J	µg/kg
BH-208	12/20/88	EPA8270	37.5	37.5	feet	Dibenz(a,h)anthracene	58	U	µg/kg
BH-208	12/20/88	EPA8270	37.5	37.5	feet	Fluoranthene	58	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
BH-20B	12/20/88	EPA8270	37.5	37.5	feet	Indeno(1,2,3-cd)pyrene	58	U	µg/kg
BH-20B	12/20/88	EPA8270	37.5	37.5	feet	Benzo(b,k)fluoranthene	58	U	µg/kg
BH-20B	12/20/88	EPA8270	37.5	37.5	feet	Fluorene	58	U	µg/kg
BH-20B	12/20/88	EPA8270	42.5	42.5	feet	Dibenz(a,h)anthracene	53	U	µg/kg
BH-20B	12/20/88	EPA8270	42.5	42.5	feet	Pyrene	53	U	µg/kg
BH-20B	12/20/88	EPA8270	42.5	42.5	feet	2-Methylnaphthalene	53	U	µg/kg
BH-20B	12/20/88	EPA8270	42.5	42.5	feet	Chrysene	53	U	µg/kg
BH-20B	12/20/88	EPA8270	42.5	42.5	feet	Acenaphthylene	53	U	µg/kg
BH-20B	12/20/88	EPA8270	42.5	42.5	feet	Benzo(a)anthracene	53	U	µg/kg
BH-20B	12/20/88	EPA8270	42.5	42.5	feet	Indeno(1,2,3-cd)pyrene	53	U	µg/kg
BH-20B	12/20/88	EPA8270	42.5	42.5	feet	Acenaphthene	53	U	µg/kg
BH-20B	12/20/88	EPA8270	42.5	42.5	feet	Benzo(g,h,i)perylene	53	U	µg/kg
BH-20B	12/20/88	EPA8270	42.5	42.5	feet	Fluoranthene	53	U	µg/kg
BH-20B	12/20/88	EPA8270	42.5	42.5	feet	Anthracene	53	U	µg/kg
BH-20B	12/20/88	EPA8270	42.5	42.5	feet	Phenanthrene	53	U	µg/kg
BH-20B	12/20/88	EPA8270	42.5	42.5	feet	Benzo(e)pyrene	53	U	µg/kg
BH-20B	12/20/88	EPA8270	42.5	42.5	feet	Naphthalene	77		µg/kg
BH-20B	12/20/88	EPA8270	42.5	42.5	feet	Fluorene	53	U	µg/kg
BH-20B	12/20/88	EPA8270	42.5	42.5	feet	Benzo(b,k)fluoranthene	53	U	µg/kg
BH-21B	12/6/88	EPA8270	0	0	feet	Dibenz(a,h)anthracene	61	U	µg/kg
BH-21B	12/6/88	EPA8270	0	0	feet	Fluorene	61	U	µg/kg
BH-21B	12/6/88	EPA8270	0	0	feet	Indeno(1,2,3-cd)pyrene	61	U	µg/kg
BH-21B	12/6/88	EPA8270	0	0	feet	Naphthalene	61	U	µg/kg
BH-21B	12/6/88	EPA8270	0	0	feet	Pyrene	61	U	µg/kg
BH-21B	12/6/88	EPA8270	0	0	feet	Chrysene	61	U	µg/kg
BH-21B	12/6/88	EPA8270	0	0	feet	Phenanthrene	61	U	µg/kg
BH-21B	12/6/88	EPA8270	0	0	feet	Benzo(b,k)fluoranthene	61	U	µg/kg
BH-21B	12/6/88	EPA8270	0	0	feet	Benzo(a)pyrene	61	U	µg/kg
BH-21B	12/6/88	EPA8270	0	0	feet	Benzo(a)anthracene	61	U	µg/kg
BH-21B	12/6/88	EPA8270	0	0	feet	Anthracene	61	U	µg/kg
BH-21B	12/6/88	EPA8270	0	0	feet	Acenaphthylene	61	U	µg/kg
BH-21B	12/6/88	EPA8270	0	0	feet	Acenaphthene	61	U	µg/kg
BH-21B	12/6/88	EPA8270	0	0	feet	2-Methylnaphthalene	61	U	µg/kg
BH-21B	12/6/88	EPA8270	0	0	feet	Benzo(g,h,i)perylene	61	U	µg/kg
BH-21B	12/6/88	EPA8270	0	0	feet	Fluoranthene	61	U	µg/kg
BH-21B	12/23/88	EPA8270	3	3	feet	Benzo(g,h,i)perylene	110	U	µg/kg
BH-21B	12/23/88	EPA8270	3	3	feet	Naphthalene	110	U	µg/kg
BH-21B	12/23/88	EPA8270	3	3	feet	Anthracene	110	U	µg/kg
BH-21B	12/23/88	EPA8270	3	3	feet	Benzo(a)anthracene	110	U	µg/kg
BH-21B	12/23/88	EPA8270	3	3	feet	Fluorene	110	U	µg/kg
BH-21B	12/23/88	EPA8270	3	3	feet	Fluoranthene	110	U	µg/kg
BH-21B	12/23/88	EPA8270	3	3	feet	Benzo(a)pyrene	110	U	µg/kg
BH-21B	12/23/88	EPA8270	3	3	feet	Acenaphthylene	110	U	µg/kg
BH-21B	12/23/88	EPA8270	3	3	feet	Benzo(b,k)fluoranthene	110	U	µg/kg
BH-21B	12/23/88	EPA8270	3	3	feet	Indeno(1,2,3-cd)pyrene	110	U	µg/kg
BH-21B	12/23/88	EPA8270	3	3	feet	Chrysene	110	U	µg/kg
BH-21B	12/23/88	EPA8270	3	3	feet	Dibenz(a,h)anthracene	110	U	µg/kg
BH-21B	12/23/88	EPA8270	3	3	feet	2-Methylnaphthalene	110	U	µg/kg
BH-21B	12/23/88	EPA8270	3	3	feet	Phenanthrene	50	J	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
BH-21B	12/23/88	EPA8270	3	3	feet	Acenaphthene	110	U	µg/kg
BH-21B	12/23/88	EPA8270	3	3	feet	Pyrene	110	U	µg/kg
BH-21B	12/23/88	EPA8270	9	9	feet	Dibenz(a,h)anthracene	69	U	µg/kg
BH-21B	12/23/88	EPA8270	9	9	feet	Fluoranthene	370		µg/kg
BH-21B	12/23/88	EPA8270	9	9	feet	2-Methylnaphthalene	340		µg/kg
BH-21B	12/23/88	EPA8270	9	9	feet	Fluorene	380		µg/kg
BH-21B	12/23/88	EPA8270	9	9	feet	Pyrene	390		µg/kg
BH-21B	12/23/88	EPA8270	9	9	feet	Benzo(a)anthracene	45	J	µg/kg
BH-21B	12/23/88	EPA8270	9	9	feet	Benzo(b,k)fluoranthene	120		µg/kg
BH-21B	12/23/88	EPA8270	9	9	feet	Benzo(a)pyrene	75		µg/kg
BH-21B	12/23/88	EPA8270	9	9	feet	Anthracene	180		µg/kg
BH-21B	12/23/88	EPA8270	9	9	feet	Phenanthrene	1,300		µg/kg
BH-21B	12/23/88	EPA8270	9	9	feet	Benzo(g,h,i)perylene	69	U	µg/kg
BH-21B	12/23/88	EPA8270	9	9	feet	Acenaphthene	330		µg/kg
BH-21B	12/23/88	EPA8270	9	9	feet	Naphthalene	960		µg/kg
BH-21B	12/23/88	EPA8270	9	9	feet	Acenaphthylene	69	U	µg/kg
BH-21B	12/23/88	EPA8270	9	9	feet	Chrysene	120		µg/kg
BH-21B	12/23/88	EPA8270	9	9	feet	Indeno(1,2,3-cd)pyrene	69	U	µg/kg
BH-21B	12/23/88	EPA8270	13.5	13.5	feet	Benzo(b,k)fluoranthene	17,000		µg/kg
BH-21B	12/23/88	EPA8270	13.5	13.5	feet	Chrysene	12,000		µg/kg
BH-21B	12/23/88	EPA8270	13.5	13.5	feet	Dibenz(a,h)anthracene	1,600		µg/kg
BH-21B	12/23/88	EPA8270	13.5	13.5	feet	Benzo(a)pyrene	8,100		µg/kg
BH-21B	12/23/88	EPA8270	13.5	13.5	feet	Pyrene	28,000		µg/kg
BH-21B	12/23/88	EPA8270	13.5	13.5	feet	Benzo(g,h,i)perylene	2,800		µg/kg
BH-21B	12/23/88	EPA8270	13.5	13.5	feet	Anthracene	13,000		µg/kg
BH-21B	12/23/88	EPA8270	13.5	13.5	feet	Acenaphthene	28,000		µg/kg
BH-21B	12/23/88	EPA8270	13.5	13.5	feet	Naphthalene	69,000		µg/kg
BH-21B	12/23/88	EPA8270	13.5	13.5	feet	Acenaphthylene	320		µg/kg
BH-21B	12/23/88	EPA8270	13.5	13.5	feet	Indeno(1,2,3-cd)pyrene	4,200		µg/kg
BH-21B	12/23/88	EPA8270	13.5	13.5	feet	Fluoranthene	29,000		µg/kg
BH-21B	12/23/88	EPA8270	13.5	13.5	feet	Phenanthrene	62,000		µg/kg
BH-21B	12/23/88	EPA8270	13.5	13.5	feet	Fluorene	22,000		µg/kg
BH-21B	12/23/88	EPA8270	13.5	13.5	feet	2-Methylnaphthalene	27,000		µg/kg
BH-21B	12/23/88	EPA8270	13.5	13.5	feet	Benzo(a)anthracene	14,000		µg/kg
BH-21B	12/23/88	EPA8270	18.5	18.5	feet	Pyrene	5,900		µg/kg
BH-21B	12/23/88	EPA8270	18.5	18.5	feet	Fluoranthene	5,300		µg/kg
BH-21B	12/23/88	EPA8270	18.5	18.5	feet	Dibenz(a,h)anthracene	180		µg/kg
BH-21B	12/23/88	EPA8270	18.5	18.5	feet	Fluorene	3,700		µg/kg
BH-21B	12/23/88	EPA8270	18.5	18.5	feet	Chrysene	1,400		µg/kg
BH-21B	12/23/88	EPA8270	18.5	18.5	feet	Naphthalene	9,100		µg/kg
BH-21B	12/23/88	EPA8270	18.5	18.5	feet	Indeno(1,2,3-cd)pyrene	820		µg/kg
BH-21B	12/23/88	EPA8270	18.5	18.5	feet	Phenanthrene	9,600		µg/kg
BH-21B	12/23/88	EPA8270	18.5	18.5	feet	Benzo(b,k)fluoranthene	2,100		µg/kg
BH-21B	12/23/88	EPA8270	18.5	18.5	feet	Acenaphthene	4,600		µg/kg
BH-21B	12/23/88	EPA8270	18.5	18.5	feet	Benzo(a)pyrene	1,100		µg/kg
BH-21B	12/23/88	EPA8270	18.5	18.5	feet	Benzo(g,h,i)perylene	520		µg/kg
BH-21B	12/23/88	EPA8270	18.5	18.5	feet	Benzo(a)anthracene	1,700		µg/kg
BH-21B	12/23/88	EPA8270	18.5	18.5	feet	2-Methylnaphthalene	5,000		µg/kg
BH-21B	12/23/88	EPA8270	18.5	18.5	feet	Acenaphthylene	130	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
BH-21B	12/23/88	EPA8270	18.5	18.5	feet	Anthracene	2,100		µg/kg
BH-21B	12/23/88	EPA8270	23.5	23.5	feet	Benzo(a)pyrene	96	U	µg/kg
BH-21B	12/23/88	EPA8270	23.5	23.5	feet	Acenaphthylene	96	U	µg/kg
BH-21B	12/23/88	EPA8270	23.5	23.5	feet	Fluorene	96	U	µg/kg
BH-21B	12/23/88	EPA8270	23.5	23.5	feet	Fluoranthene	32	M	µg/kg
BH-21B	12/23/88	EPA8270	23.5	23.5	feet	Benzo(a)anthracene	96	U	µg/kg
BH-21B	12/23/88	EPA8270	23.5	23.5	feet	Anthracene	96	U	µg/kg
BH-21B	12/23/88	EPA8270	23.5	23.5	feet	Indeno(1,2,3-cd)pyrene	96	U	µg/kg
BH-21B	12/23/88	EPA8270	23.5	23.5	feet	Naphthalene	61	J	µg/kg
BH-21B	12/23/88	EPA8270	23.5	23.5	feet	Phenanthrene	90	J	µg/kg
BH-21B	12/23/88	EPA8270	23.5	23.5	feet	Acenaphthene	96	U	µg/kg
BH-21B	12/23/88	EPA8270	23.5	23.5	feet	Benzo(b,k)fluoranthene	96	U	µg/kg
BH-21B	12/23/88	EPA8270	23.5	23.5	feet	Dibenz(a,h)anthracene	96	U	µg/kg
BH-21B	12/23/88	EPA8270	23.5	23.5	feet	Pyrene	31	M	µg/kg
BH-21B	12/23/88	EPA8270	23.5	23.5	feet	Benzo(g,h,i)perylene	96	U	µg/kg
BH-21B	12/23/88	EPA8270	23.5	23.5	feet	Chrysene	96	U	µg/kg
BH-21B	12/23/88	EPA8270	23.5	23.5	feet	2-Methylnaphthalene	23	M	µg/kg
BH-21B	12/23/88	EPA8270	28	28	feet	Acenaphthene	64	U	µg/kg
BH-21B	12/23/88	EPA8270	28	28	feet	Acenaphthylene	64	U	µg/kg
BH-21B	12/23/88	EPA8270	28	28	feet	Pyrene	64	U	µg/kg
BH-21B	12/23/88	EPA8270	28	28	feet	2-Methylnaphthalene	64	U	µg/kg
BH-21B	12/23/88	EPA8270	28	28	feet	Naphthalene	64	U	µg/kg
BH-21B	12/23/88	EPA8270	28	28	feet	Anthracene	64	U	µg/kg
BH-21B	12/23/88	EPA8270	28	28	feet	Phenanthrene	64	U	µg/kg
BH-21B	12/23/88	EPA8270	28	28	feet	Benzo(g,h,i)perylene	64	U	µg/kg
BH-21B	12/23/88	EPA8270	28	28	feet	Fluoranthene	64	U	µg/kg
BH-21B	12/23/88	EPA8270	28	28	feet	Indeno(1,2,3-cd)pyrene	64	U	µg/kg
BH-21B	12/23/88	EPA8270	28	28	feet	Benzo(a)anthracene	64	U	µg/kg
BH-21B	12/23/88	EPA8270	28	28	feet	Dibenz(a,h)anthracene	64	U	µg/kg
BH-21B	12/23/88	EPA8270	28	28	feet	Fluorene	64	U	µg/kg
BH-21B	12/23/88	EPA8270	28	28	feet	Chrysene	64	U	µg/kg
BH-21B	12/23/88	EPA8270	28	28	feet	Benzo(b,k)fluoranthene	64	U	µg/kg
BH-21B	12/23/88	EPA8270	28	28	feet	Benzo(a)pyrene	64	U	µg/kg
BH-21B	12/23/88	EPA8270	38	38	feet	Acenaphthene	54	U	µg/kg
BH-21B	12/23/88	EPA8270	38	38	feet	Pyrene	54	U	µg/kg
BH-21B	12/23/88	EPA8270	38	38	feet	Benzo(g,h,i)perylene	54	U	µg/kg
BH-21B	12/23/88	EPA8270	38	38	feet	2-Methylnaphthalene	54	U	µg/kg
BH-21B	12/23/88	EPA8270	38	38	feet	Chrysene	54	U	µg/kg
BH-21B	12/23/88	EPA8270	38	38	feet	Acenaphthylene	54	U	µg/kg
BH-21B	12/23/88	EPA8270	38	38	feet	Dibenz(a,h)anthracene	54	U	µg/kg
BH-21B	12/23/88	EPA8270	38	38	feet	Naphthalene	79		µg/kg
BH-21B	12/23/88	EPA8270	38	38	feet	Indeno(1,2,3-cd)pyrene	54	U	µg/kg
BH-21B	12/23/88	EPA8270	38	38	feet	Benzo(b,k)fluoranthene	54	U	µg/kg
BH-21B	12/23/88	EPA8270	38	38	feet	Anthracene	54	U	µg/kg
BH-21B	12/23/88	EPA8270	38	38	feet	Fluorene	54	U	µg/kg
BH-21B	12/23/88	EPA8270	38	38	feet	Benzo(a)pyrene	54	U	µg/kg
BH-21B	12/23/88	EPA8270	38	38	feet	Phenanthrene	54	U	µg/kg
BH-21B	12/23/88	EPA8270	38	38	feet	Fluoranthene	54	U	µg/kg
BH-21B	12/23/88	EPA8270	38	38	feet	Benzo(a)anthracene	54	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
BH-22	12/6/88	EPA8270	13	13	feet	Benzo(a)anthracene	91	U	µg/kg
BH-22	12/6/88	EPA8270	13	13	feet	Benzo(a)pyrene	91	U	µg/kg
BH-22	12/6/88	EPA8270	13	13	feet	Dibenz(a,h)anthracene	91	U	µg/kg
BH-22	12/6/88	EPA8270	13	13	feet	Anthracene	91	U	µg/kg
BH-22	12/6/88	EPA8270	13	13	feet	Fluoranthene	91	U	µg/kg
BH-22	12/6/88	EPA8270	13	13	feet	Acenaphthylene	91	U	µg/kg
BH-22	12/6/88	EPA8270	13	13	feet	Fluorene	91	U	µg/kg
BH-22	12/6/88	EPA8270	13	13	feet	Pyrene	91	U	µg/kg
BH-22	12/6/88	EPA8270	13	13	feet	Benzo(g,h,i)perylene	91	U	µg/kg
BH-22	12/6/88	EPA8270	13	13	feet	Acenaphthene	91	U	µg/kg
BH-22	12/6/88	EPA8270	13	13	feet	Chrysene	91	U	µg/kg
BH-22	12/6/88	EPA8270	13	13	feet	Naphthalene	91	U	µg/kg
BH-22	12/6/88	EPA8270	13	13	feet	Indeno(1,2,3-cd)pyrene	91	U	µg/kg
BH-22	12/6/88	EPA8270	13	13	feet	2-Methylnaphthalene	91	U	µg/kg
BH-22	12/6/88	EPA8270	13	13	feet	Phenanthrene	91	U	µg/kg
BH-22	12/6/88	EPA8270	13	13	feet	Benzo(b,k)fluoranthene	91	U	µg/kg
BH-22	12/6/88	EPA8270	16	16	feet	Chrysene	77	U	µg/kg
BH-22	12/6/88	EPA8270	16	16	feet	Benzo(g,h,i)perylene	77	U	µg/kg
BH-22	12/6/88	EPA8270	16	16	feet	Dibenz(a,h)anthracene	77	U	µg/kg
BH-22	12/6/88	EPA8270	16	16	feet	Fluoranthene	77	U	µg/kg
BH-22	12/6/88	EPA8270	16	16	feet	Fluorene	77	U	µg/kg
BH-22	12/6/88	EPA8270	16	16	feet	Naphthalene	77	U	µg/kg
BH-22	12/6/88	EPA8270	16	16	feet	Phenanthrene	77	U	µg/kg
BH-22	12/6/88	EPA8270	16	16	feet	Pyrene	77	U	µg/kg
BH-22	12/6/88	EPA8270	16	16	feet	Benzo(b,k)fluoranthene	77	U	µg/kg
BH-22	12/6/88	EPA8270	16	16	feet	Indeno(1,2,3-cd)pyrene	77	U	µg/kg
BH-22	12/6/88	EPA8270	16	16	feet	Acenaphthene	77	U	µg/kg
BH-22	12/6/88	EPA8270	16	16	feet	Acenaphthylene	77	U	µg/kg
BH-22	12/6/88	EPA8270	16	16	feet	Anthracene	77	U	µg/kg
BH-22	12/6/88	EPA8270	16	16	feet	Benzo(a)anthracene	77	U	µg/kg
BH-22	12/6/88	EPA8270	16	16	feet	Benzo(a)pyrene	77	U	µg/kg
BH-22	12/6/88	EPA8270	16	16	feet	2-Methylnaphthalene	77	U	µg/kg
BH-22	12/6/88	EPA8270	23	23	feet	Pyrene	73	U	µg/kg
BH-22	12/6/88	EPA8270	23	23	feet	Acenaphthene	73	U	µg/kg
BH-22	12/6/88	EPA8270	23	23	feet	2-Methylnaphthalene	73	U	µg/kg
BH-22	12/6/88	EPA8270	23	23	feet	Phenanthrene	73	U	µg/kg
BH-22	12/6/88	EPA8270	23	23	feet	Acenaphthylene	73	U	µg/kg
BH-22	12/6/88	EPA8270	23	23	feet	Indeno(1,2,3-cd)pyrene	73	U	µg/kg
BH-22	12/6/88	EPA8270	23	23	feet	Benzo(b,k)fluoranthene	73	U	µg/kg
BH-22	12/6/88	EPA8270	23	23	feet	Anthracene	73	U	µg/kg
BH-22	12/6/88	EPA8270	23	23	feet	Fluorene	73	U	µg/kg
BH-22	12/6/88	EPA8270	23	23	feet	Naphthalene	73	U	µg/kg
BH-22	12/6/88	EPA8270	23	23	feet	Fluoranthene	73	U	µg/kg
BH-22	12/6/88	EPA8270	23	23	feet	Benzo(a)anthracene	73	U	µg/kg
BH-22	12/6/88	EPA8270	23	23	feet	Dibenz(a,h)anthracene	73	U	µg/kg
BH-22	12/6/88	EPA8270	23	23	feet	Benzo(g,h,i)perylene	73	U	µg/kg
BH-22	12/6/88	EPA8270	23	23	feet	Benzo(a)pyrene	73	U	µg/kg
BH-22	12/6/88	EPA8270	23	23	feet	Chrysene	73	U	µg/kg
BH-22	12/6/88	EPA8270	28	28	feet	Pyrene	180		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
BH-22	12/6/88	EPA8270	28	28	feet	Benzo(b,k)fluoranthene	72	U	µg/kg
BH-22	12/6/88	EPA8270	28	28	feet	Naphthalene	3,200		µg/kg
BH-22	12/6/88	EPA8270	28	28	feet	Benzo(g,h,i)perylene	72	U	µg/kg
BH-22	12/6/88	EPA8270	28	28	feet	Anthracene	130		µg/kg
BH-22	12/6/88	EPA8270	28	28	feet	2-Methylnaphthalene	830		µg/kg
BH-22	12/6/88	EPA8270	28	28	feet	Phenanthrene	850		µg/kg
BH-22	12/6/88	EPA8270	28	28	feet	Chrysene	37	J	µg/kg
BH-22	12/6/88	EPA8270	28	28	feet	Indeno(1,2,3-cd)pyrene	72	U	µg/kg
BH-22	12/6/88	EPA8270	28	28	feet	Fluorene	300		µg/kg
BH-22	12/6/88	EPA8270	28	28	feet	Fluoranthene	250		µg/kg
BH-22	12/6/88	EPA8270	28	28	feet	Dibenz(a,h)anthracene	72	U	µg/kg
BH-22	12/6/88	EPA8270	28	28	feet	Acenaphthylene	72	U	µg/kg
BH-22	12/6/88	EPA8270	28	28	feet	Benzo(a)pyrene	72	U	µg/kg
BH-22	12/6/88	EPA8270	28	28	feet	Acenaphthene	430		µg/kg
BH-22	12/6/88	EPA8270	28	28	feet	Benzo(a)anthracene	33	J	µg/kg
BH-23	12/28/88	EPA8270	1.5	1.5	feet	Fluorene	96	U	µg/kg
BH-23	12/28/88	EPA8270	1.5	1.5	feet	Benzo(a)anthracene	96	U	µg/kg
BH-23	12/28/88	EPA8270	1.5	1.5	feet	Benzo(b,k)fluoranthene	96	U	µg/kg
BH-23	12/28/88	EPA8270	1.5	1.5	feet	Benzo(a)pyrene	96	U	µg/kg
BH-23	12/28/88	EPA8270	1.5	1.5	feet	Indeno(1,2,3-cd)pyrene	96	U	µg/kg
BH-23	12/28/88	EPA8270	1.5	1.5	feet	Anthracene	96	U	µg/kg
BH-23	12/28/88	EPA8270	1.5	1.5	feet	Naphthalene	96	U	µg/kg
BH-23	12/28/88	EPA8270	1.5	1.5	feet	Fluoranthene	43	J	µg/kg
BH-23	12/28/88	EPA8270	1.5	1.5	feet	Acenaphthylene	96	U	µg/kg
BH-23	12/28/88	EPA8270	1.5	1.5	feet	Benzo(g,h,i)perylene	96	U	µg/kg
BH-23	12/28/88	EPA8270	1.5	1.5	feet	Dibenz(a,h)anthracene	96	U	µg/kg
BH-23	12/28/88	EPA8270	1.5	1.5	feet	2-Methylnaphthalene	96	U	µg/kg
BH-23	12/28/88	EPA8270	1.5	1.5	feet	Acenaphthene	96	U	µg/kg
BH-23	12/28/88	EPA8270	1.5	1.5	feet	Pyrene	54	J	µg/kg
BH-23	12/28/88	EPA8270	1.5	1.5	feet	Chrysene	38	J	µg/kg
BH-23	12/28/88	EPA8270	1.5	1.5	feet	Phenanthrene	120		µg/kg
BH-23	12/28/88	EPA8270	7.5	7.5	feet	Benzo(b,k)fluoranthene	270		µg/kg
BH-23	12/28/88	EPA8270	7.5	7.5	feet	Fluoranthene	2,700		µg/kg
BH-23	12/28/88	EPA8270	7.5	7.5	feet	Dibenz(a,h)anthracene	82	U	µg/kg
BH-23	12/28/88	EPA8270	7.5	7.5	feet	Benzo(a)pyrene	160		µg/kg
BH-23	12/28/88	EPA8270	7.5	7.5	feet	Chrysene	350		µg/kg
BH-23	12/28/88	EPA8270	7.5	7.5	feet	Fluorene	5,600		µg/kg
BH-23	12/28/88	EPA8270	7.5	7.5	feet	Acenaphthylene	82	U	µg/kg
BH-23	12/28/88	EPA8270	7.5	7.5	feet	Benzo(g,h,i)perylene	82	U	µg/kg
BH-23	12/28/88	EPA8270	7.5	7.5	feet	Pyrene	2,000		µg/kg
BH-23	12/28/88	EPA8270	7.5	7.5	feet	Phenanthrene	4,200		µg/kg
BH-23	12/28/88	EPA8270	7.5	7.5	feet	2-Methylnaphthalene	5,600		µg/kg
BH-23	12/28/88	EPA8270	7.5	7.5	feet	Acenaphthene	1,600		µg/kg
BH-23	12/28/88	EPA8270	7.5	7.5	feet	Benzo(a)anthracene	340		µg/kg
BH-23	12/28/88	EPA8270	7.5	7.5	feet	Naphthalene	14,000		µg/kg
BH-23	12/28/88	EPA8270	7.5	7.5	feet	Anthracene	2,100		µg/kg
BH-23	12/28/88	EPA8270	7.5	7.5	feet	Indeno(1,2,3-cd)pyrene	82	U	µg/kg
BH-23	12/28/88	EPA8270	13	13	feet	Dibenz(a,h)anthracene	1,700		µg/kg
BH-23	12/28/88	EPA8270	13	13	feet	Indeno(1,2,3-cd)pyrene	5,900		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
BH-23	12/28/88	EPA8270	13	13	feet	Phenanthrene	30,000		µg/kg
BH-23	12/28/88	EPA8270	13	13	feet	Fluoranthene	17,000		µg/kg
BH-23	12/28/88	EPA8270	13	13	feet	Fluorene	14,000		µg/kg
BH-23	12/28/88	EPA8270	13	13	feet	Chrysene	7,200		µg/kg
BH-23	12/28/88	EPA8270	13	13	feet	Pyrene	15,000		µg/kg
BH-23	12/28/88	EPA8270	13	13	feet	Naphthalene	100,000		µg/kg
BH-23	12/28/88	EPA8270	13	13	feet	Acenaphthene	16,000		µg/kg
BH-23	12/28/88	EPA8270	13	13	feet	Anthracene	10,000		µg/kg
BH-23	12/28/88	EPA8270	13	13	feet	Benzo(a)anthracene	5,800		µg/kg
BH-23	12/28/88	EPA8270	13	13	feet	Acenaphthylene	5,900		µg/kg
BH-23	12/28/88	EPA8270	13	13	feet	Benzo(a)pyrene	7,000		µg/kg
BH-23	12/28/88	EPA8270	13	13	feet	Benzo(b,k)fluoranthene	17,000		µg/kg
BH-23	12/28/88	EPA8270	13	13	feet	2-Methylnaphthalene	32,000		µg/kg
BH-23	12/28/88	EPA8270	13	13	feet	Benzo(g,h,i)perylene	6,100		µg/kg
BH-23	12/28/88	EPA8270	18	18	feet	Phenanthrene	120,000		µg/kg
BH-23	12/28/88	EPA8270	18	18	feet	Benzo(g,h,i)perylene	38,000		µg/kg
BH-23	12/28/88	EPA8270	18	18	feet	2-Methylnaphthalene	210,000		µg/kg
BH-23	12/28/88	EPA8270	18	18	feet	Benzo(b,k)fluoranthene	67,000		µg/kg
BH-23	12/28/88	EPA8270	18	18	feet	Fluorene	82,000		µg/kg
BH-23	12/28/88	EPA8270	18	18	feet	Acenaphthene	84,000		µg/kg
BH-23	12/28/88	EPA8270	18	18	feet	Indeno(1,2,3-cd)pyrene	40,000		µg/kg
BH-23	12/28/88	EPA8270	18	18	feet	Acenaphthylene	82,000		µg/kg
BH-23	12/28/88	EPA8270	18	18	feet	Pyrene	78,000		µg/kg
BH-23	12/28/88	EPA8270	18	18	feet	Naphthalene	3,000,000		µg/kg
BH-23	12/28/88	EPA8270	18	18	feet	Chrysene	78,000		µg/kg
BH-23	12/28/88	EPA8270	18	18	feet	Anthracene	50,000		µg/kg
BH-23	12/28/88	EPA8270	18	18	feet	Fluoranthene	73,000		µg/kg
BH-23	12/28/88	EPA8270	18	18	feet	Benzo(a)anthracene	47,000		µg/kg
BH-23	12/28/88	EPA8270	18	18	feet	Dibenz(a,h)anthracene	11,000		µg/kg
BH-23	12/28/88	EPA8270	18	18	feet	Benzo(a)pyrene	58,000		µg/kg
BH-23	12/28/88	EPA8270	23	23	feet	Acenaphthene	720		µg/kg
BH-23	12/28/88	EPA8270	23	23	feet	Chrysene	690		µg/kg
BH-23	12/28/88	EPA8270	23	23	feet	2-Methylnaphthalene	4,400		µg/kg
BH-23	12/28/88	EPA8270	23	23	feet	Pyrene	1,000		µg/kg
BH-23	12/28/88	EPA8270	23	23	feet	Benzo(b,k)fluoranthene	1,400		µg/kg
BH-23	12/28/88	EPA8270	23	23	feet	Dibenz(a,h)anthracene	210	M	µg/kg
BH-23	12/28/88	EPA8270	23	23	feet	Phenanthrene	2,200		µg/kg
BH-23	12/28/88	EPA8270	23	23	feet	Anthracene	370		µg/kg
BH-23	12/28/88	EPA8270	23	23	feet	Benzo(a)anthracene	520		µg/kg
BH-23	12/28/88	EPA8270	23	23	feet	Benzo(g,h,i)perylene	540		µg/kg
BH-23	12/28/88	EPA8270	23	23	feet	Fluorene	980		µg/kg
BH-23	12/28/88	EPA8270	23	23	feet	Fluoranthene	980		µg/kg
BH-23	12/28/88	EPA8270	23	23	feet	Indeno(1,2,3-cd)pyrene	540		µg/kg
BH-23	12/28/88	EPA8270	23	23	feet	Benzo(a)pyrene	790		µg/kg
BH-23	12/28/88	EPA8270	23	23	feet	Naphthalene	13,000		µg/kg
BH-23	12/28/88	EPA8270	23	23	feet	Acenaphthylene	850		µg/kg
BH-24	7/31/90	EPA8270	2	4	feet	Chrysene	140	J	µg/kg
BH-24	7/31/90	EPA8270	2	4	feet	Benzo(a)anthracene	110	J	µg/kg
BH-24	7/31/90	EPA8270	2	4	feet	Pyrene	220		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
BH-24	7/31/90	EPA8270	2	4	feet	Benzo(g,h,i)perylene	170	U	µg/kg
BH-24	7/31/90	EPA8270	2	4	feet	Dibenz(a,h)anthracene	170	U	µg/kg
BH-24	7/31/90	EPA8270	2	4	feet	Benzo(b)fluoranthene	150		µg/kg
BH-24	7/31/90	EPA8270	2	4	feet	Fluoranthene	140	J	µg/kg
BH-24	7/31/90	EPA8270	2	4	feet	Benzo(a)pyrene	120	J	µg/kg
BH-24	7/31/90	EPA8270	2	4	feet	Fluorene	170	U	µg/kg
BH-24	7/31/90	EPA8270	2	4	feet	Benzo(k)fluoranthene	170	U	µg/kg
BH-24	7/31/90	EPA8270	2	4	feet	Phenanthrene	130	J	µg/kg
BH-24	7/31/90	EPA8270	2	4	feet	Anthracene	170	U	µg/kg
BH-24	7/31/90	EPA8270	2	4	feet	2-Methylnaphthalene	170	U	µg/kg
BH-24	7/31/90	EPA8270	2	4	feet	Naphthalene	170	U	µg/kg
BH-24	7/31/90	EPA8270	2	4	feet	Acenaphthylene	170	U	µg/kg
BH-24	7/31/90	EPA8270	2	4	feet	Indeno(1,2,3-cd)pyrene	170	U	µg/kg
BH-24	7/31/90	EPA8270	2	4	feet	Acenaphthene	170	U	µg/kg
BH-24	7/31/90	EPA8270	17	19	feet	Pyrene	690	U	µg/kg
BH-24	7/31/90	EPA8270	17	19	feet	Benzo(k)fluoranthene	690	U	µg/kg
BH-24	7/31/90	EPA8270	17	19	feet	Chrysene	690	U	µg/kg
BH-24	7/31/90	EPA8270	17	19	feet	Phenanthrene	690	U	µg/kg
BH-24	7/31/90	EPA8270	17	19	feet	Dibenz(a,h)anthracene	690	U	µg/kg
BH-24	7/31/90	EPA8270	17	19	feet	Fluoranthene	690	U	µg/kg
BH-24	7/31/90	EPA8270	17	19	feet	Indeno(1,2,3-cd)pyrene	690	U	µg/kg
BH-24	7/31/90	EPA8270	17	19	feet	Fluorene	690	U	µg/kg
BH-24	7/31/90	EPA8270	17	19	feet	Naphthalene	690	U	µg/kg
BH-24	7/31/90	EPA8270	17	19	feet	Benzo(g,h,i)perylene	690	U	µg/kg
BH-24	7/31/90	EPA8270	17	19	feet	Benzo(b)fluoranthene	690	U	µg/kg
BH-24	7/31/90	EPA8270	17	19	feet	2-Methylnaphthalene	690	U	µg/kg
BH-24	7/31/90	EPA8270	17	19	feet	Benzo(a)pyrene	480	J	µg/kg
BH-24	7/31/90	EPA8270	17	19	feet	Benzo(a)anthracene	690	U	µg/kg
BH-24	7/31/90	EPA8270	17	19	feet	Acenaphthene	690	U	µg/kg
BH-24	7/31/90	EPA8270	17	19	feet	Anthracene	690	U	µg/kg
BH-24	7/31/90	EPA8270	17	19	feet	Acenaphthylene	690	U	µg/kg
BH-24	7/31/90	EPA8270	22	24	feet	Pyrene	250	U	µg/kg
BH-24	7/31/90	EPA8270	22	24	feet	Benzo(g,h,i)perylene	250	U	µg/kg
BH-24	7/31/90	EPA8270	22	24	feet	2-Methylnaphthalene	250	U	µg/kg
BH-24	7/31/90	EPA8270	22	24	feet	Phenanthrene	250	U	µg/kg
BH-24	7/31/90	EPA8270	22	24	feet	Acenaphthene	250	U	µg/kg
BH-24	7/31/90	EPA8270	22	24	feet	Naphthalene	250	U	µg/kg
BH-24	7/31/90	EPA8270	22	24	feet	Acenaphthylene	250	U	µg/kg
BH-24	7/31/90	EPA8270	22	24	feet	Chrysene	250	U	µg/kg
BH-24	7/31/90	EPA8270	22	24	feet	Anthracene	250	U	µg/kg
BH-24	7/31/90	EPA8270	22	24	feet	Fluorene	250	U	µg/kg
BH-24	7/31/90	EPA8270	22	24	feet	Benzo(a)anthracene	250	U	µg/kg
BH-24	7/31/90	EPA8270	22	24	feet	Fluoranthene	250	U	µg/kg
BH-24	7/31/90	EPA8270	22	24	feet	Benzo(a)pyrene	250	U	µg/kg
BH-24	7/31/90	EPA8270	22	24	feet	Dibenz(a,h)anthracene	250	U	µg/kg
BH-24	7/31/90	EPA8270	22	24	feet	Benzo(b)fluoranthene	250	U	µg/kg
BH-24	7/31/90	EPA8270	22	24	feet	Benzo(k)fluoranthene	250	U	µg/kg
BH-24	7/31/90	EPA8270	22	24	feet	Indeno(1,2,3-cd)pyrene	250	U	µg/kg
BH-25B	6/2/90	EPA8270	4	6	feet	Fluoranthene	170	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
BH-25B	8/2/90	EPA8270	4	6	feet	Benzo(b)fluoranthene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	4	6	feet	Naphthalene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	4	6	feet	Anthracene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	4	6	feet	Benzo(a)pyrene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	4	6	feet	Acenaphthylene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	4	6	feet	Benzo(a)anthracene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	4	6	feet	Acenaphthene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	4	6	feet	Fluorene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	4	6	feet	Benzo(g,h,i)perylene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	4	6	feet	Dibenz(a,h)anthracene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	4	6	feet	Chrysene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	4	6	feet	Pyrene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	4	6	feet	Benzo(k)fluoranthene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	4	6	feet	2-Methylnaphthalene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	4	6	feet	Indeno(1,2,3-cd)pyrene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	4	6	feet	Phenanthrene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	9	10	feet	Dibenz(a,h)anthracene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	9	10	feet	Benzo(b)fluoranthene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	9	10	feet	Fluoranthene	160		µg/kg
BH-25B	8/2/90	EPA8270	9	10	feet	Benzo(a)pyrene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	9	10	feet	Fluorene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	9	10	feet	Chrysene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	9	10	feet	Acenaphthylene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	9	10	feet	Benzo(a)anthracene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	9	10	feet	Indeno(1,2,3-cd)pyrene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	9	10	feet	2-Methylnaphthalene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	9	10	feet	Anthracene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	9	10	feet	Pyrene	160	J	µg/kg
BH-25B	8/2/90	EPA8270	9	10	feet	Acenaphthene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	9	10	feet	Naphthalene	220		µg/kg
BH-25B	8/2/90	EPA8270	9	10	feet	Benzo(g,h,i)perylene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	9	10	feet	Phenanthrene	650		µg/kg
BH-25B	8/2/90	EPA8270	9	10	feet	Benzo(k)fluoranthene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	10	12	feet	Chrysene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	10	12	feet	Pyrene	120	J	µg/kg
BH-25B	8/2/90	EPA8270	10	12	feet	Phenanthrene	100	J	µg/kg
BH-25B	8/2/90	EPA8270	10	12	feet	Fluorene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	10	12	feet	Fluoranthene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	10	12	feet	Naphthalene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	10	12	feet	Indeno(1,2,3-cd)pyrene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	10	12	feet	Dibenz(a,h)anthracene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	10	12	feet	Acenaphthene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	10	12	feet	Acenaphthylene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	10	12	feet	Benzo(b)fluoranthene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	10	12	feet	Benzo(a)anthracene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	10	12	feet	Benzo(a)pyrene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	10	12	feet	Anthracene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	10	12	feet	Benzo(g,h,i)perylene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	10	12	feet	2-Methylnaphthalene	170	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
BH-25B	8/2/90	EPA8270	10	12	feet	Benzo(k)fluoranthene	170	U	µg/kg
BH-25B	8/2/90	EPA8270	17	18	feet	Indeno(1,2,3-cd)pyrene	280	U	µg/kg
BH-25B	8/2/90	EPA8270	17	18	feet	Phenanthrene	280	U	µg/kg
BH-25B	8/2/90	EPA8270	17	18	feet	Fluorene	280	U	µg/kg
BH-25B	8/2/90	EPA8270	17	18	feet	Naphthalene	1,900		µg/kg
BH-25B	8/2/90	EPA8270	17	18	feet	Benzo(a)anthracene	280	U	µg/kg
BH-25B	8/2/90	EPA8270	17	18	feet	Benzo(g,h,i)perylene	280	U	µg/kg
BH-25B	8/2/90	EPA8270	17	18	feet	Anthracene	280	U	µg/kg
BH-25B	8/2/90	EPA8270	17	18	feet	Acenaphthylene	280	U	µg/kg
BH-25B	8/2/90	EPA8270	17	18	feet	Benzo(a)pyrene	320		µg/kg
BH-25B	8/2/90	EPA8270	17	18	feet	Acenaphthene	280	U	µg/kg
BH-25B	8/2/90	EPA8270	17	18	feet	Dibenz(a,h)anthracene	280	U	µg/kg
BH-25B	8/2/90	EPA8270	17	18	feet	Benzo(b)fluoranthene	280	U	µg/kg
BH-25B	8/2/90	EPA8270	17	18	feet	Chrysene	280	U	µg/kg
BH-25B	8/2/90	EPA8270	17	18	feet	2-Methylnaphthalene	280	U	µg/kg
BH-25B	8/2/90	EPA8270	17	18	feet	Pyrene	280	U	µg/kg
BH-25B	8/2/90	EPA8270	17	18	feet	Benzo(k)fluoranthene	280	U	µg/kg
BH-25B	8/2/90	EPA8270	17	18	feet	Fluoranthene	280	U	µg/kg
BH-25B	8/2/90	EPA8270	27	29	feet	Acenaphthene	310	U	µg/kg
BH-25B	8/2/90	EPA8270	27	29	feet	Indeno(1,2,3-cd)pyrene	310	U	µg/kg
BH-25B	8/2/90	EPA8270	27	29	feet	Phenanthrene	890		µg/kg
BH-25B	8/2/90	EPA8270	27	29	feet	2-Methylnaphthalene	130	J	µg/kg
BH-25B	8/2/90	EPA8270	27	29	feet	Naphthalene	360		µg/kg
BH-25B	8/2/90	EPA8270	27	29	feet	Chrysene	240		µg/kg
BH-25B	8/2/90	EPA8270	27	29	feet	Acenaphthylene	310	U	µg/kg
BH-25B	8/2/90	EPA8270	27	29	feet	Anthracene	170	J	µg/kg
BH-25B	8/2/90	EPA8270	27	29	feet	Benzo(k)fluoranthene	310	U	µg/kg
BH-25B	8/2/90	EPA8270	27	29	feet	Benzo(g,h,i)perylene	310	U	µg/kg
BH-25B	8/2/90	EPA8270	27	29	feet	Pyrene	620		µg/kg
BH-25B	8/2/90	EPA8270	27	29	feet	Benzo(b)fluoranthene	200		µg/kg
BH-25B	8/2/90	EPA8270	27	29	feet	Dibenz(a,h)anthracene	310	U	µg/kg
BH-25B	8/2/90	EPA8270	27	29	feet	Fluoranthene	410		µg/kg
BH-25B	8/2/90	EPA8270	27	29	feet	Fluorene	150	J	µg/kg
BH-25B	8/2/90	EPA8270	27	29	feet	Benzo(a)pyrene	160	J	µg/kg
BH-25B	8/2/90	EPA8270	27	29	feet	Benzo(a)anthracene	200		µg/kg
BH-26A	8/6/90	EPA8270	2	4	feet	Phenanthrene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	2	4	feet	Chrysene	42	J	µg/kg
BH-26A	8/6/90	EPA8270	2	4	feet	Benzo(a)pyrene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	2	4	feet	Benzo(b)fluoranthene	69	J	µg/kg
BH-26A	8/6/90	EPA8270	2	4	feet	Benzo(g,h,i)perylene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	2	4	feet	Benzo(k)fluoranthene	62	J	µg/kg
BH-26A	8/6/90	EPA8270	2	4	feet	Benzo(a)anthracene	43	J	µg/kg
BH-26A	8/6/90	EPA8270	2	4	feet	Dibenz(a,h)anthracene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	2	4	feet	Fluoranthene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	2	4	feet	Fluorene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	2	4	feet	Indeno(1,2,3-cd)pyrene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	2	4	feet	Pyrene	64	J	µg/kg
BH-26A	8/6/90	EPA8270	2	4	feet	Anthracene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	2	4	feet	Naphthalene	170	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
BH-26A	8/6/90	EPA8270	2	4	feet	Acenaphthylene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	2	4	feet	2-Methylnaphthalene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	2	4	feet	Acenaphthene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	8	10	feet	Chrysene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	8	10	feet	Benzo(k)fluoranthene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	8	10	feet	Acenaphthene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	8	10	feet	Dibenz(a,h)anthracene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	8	10	feet	Benzo(g,h,i)perylene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	8	10	feet	Fluoranthene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	8	10	feet	Benzo(b)fluoranthene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	8	10	feet	Indeno(1,2,3-cd)pyrene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	8	10	feet	Fluorene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	8	10	feet	Naphthalene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	8	10	feet	Anthracene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	8	10	feet	Pyrene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	8	10	feet	2-Methylnaphthalene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	8	10	feet	Phenanthrene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	8	10	feet	Benzo(a)pyrene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	8	10	feet	Benzo(a)anthracene	340	U	µg/kg
BH-26A	8/6/90	EPA8270	8	10	feet	Acenaphthylene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	10	12	feet	Fluorene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	10	12	feet	Fluoranthene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	10	12	feet	2-Methylnaphthalene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	10	12	feet	Acenaphthene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	10	12	feet	Dibenz(a,h)anthracene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	10	12	feet	Phenanthrene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	10	12	feet	Chrysene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	10	12	feet	Indeno(1,2,3-cd)pyrene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	10	12	feet	Pyrene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	10	12	feet	Naphthalene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	10	12	feet	Acenaphthylene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	10	12	feet	Benzo(a)pyrene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	10	12	feet	Benzo(a)anthracene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	10	12	feet	Benzo(b)fluoranthene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	10	12	feet	Benzo(g,h,i)perylene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	10	12	feet	Anthracene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	10	12	feet	Benzo(k)fluoranthene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	13	14	feet	Fluorene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	13	14	feet	Phenanthrene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	13	14	feet	Anthracene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	13	14	feet	Acenaphthylene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	13	14	feet	Benzo(a)anthracene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	13	14	feet	Indeno(1,2,3-cd)pyrene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	13	14	feet	Pyrene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	13	14	feet	Benzo(a)pyrene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	13	14	feet	2-Methylnaphthalene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	13	14	feet	Naphthalene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	13	14	feet	Benzo(k)fluoranthene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	13	14	feet	Acenaphthene	170	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
BH-26A	8/6/90	EPA8270	13	14	feet	Fluoranthene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	13	14	feet	Benzo(b)fluoranthene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	13	14	feet	Chrysene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	13	14	feet	Dibenz(a,h)anthracene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	13	14	feet	Benzo(g,h,i)perylene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	23	25	feet	Anthracene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	23	25	feet	Pyrene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	23	25	feet	Acenaphthylene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	23	25	feet	Phenanthrene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	23	25	feet	Chrysene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	23	25	feet	Benzo(g,h,i)perylene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	23	25	feet	Benzo(k)fluoranthene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	23	25	feet	Fluorene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	23	25	feet	Naphthalene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	23	25	feet	Benzo(a)pyrene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	23	25	feet	Fluoranthene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	23	25	feet	Benzo(b)fluoranthene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	23	25	feet	Indeno(1,2,3-cd)pyrene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	23	25	feet	Benzo(a)anthracene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	23	25	feet	Acenaphthene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	23	25	feet	Dibenz(a,h)anthracene	170	U	µg/kg
BH-26A	8/6/90	EPA8270	23	25	feet	2-Methylnaphthalene	170	U	µg/kg
BH-27	8/1/90	EPA8270	5	6	feet	Benzo(k)fluoranthene	2,200,000		µg/kg
BH-27	8/1/90	EPA8270	5	6	feet	Benzo(b)fluoranthene	780,000		µg/kg
BH-27	8/1/90	EPA8270	5	6	feet	Acenaphthene	220,000		µg/kg
BH-27	8/1/90	EPA8270	5	6	feet	Fluorene	180,000		µg/kg
BH-27	8/1/90	EPA8270	5	6	feet	Chrysene	1,700,000		µg/kg
BH-27	8/1/90	EPA8270	5	6	feet	Benzo(a)pyrene	1,300,000		µg/kg
BH-27	8/1/90	EPA8270	5	6	feet	Dibenz(a,h)anthracene	140,000		µg/kg
BH-27	8/1/90	EPA8270	5	6	feet	Benzo(a)anthracene	1,900,000		µg/kg
BH-27	8/1/90	EPA8270	5	6	feet	Fluoranthene	1,200,000		µg/kg
BH-27	8/1/90	EPA8270	5	6	feet	Anthracene	300,000		µg/kg
BH-27	8/1/90	EPA8270	5	6	feet	Acenaphthylene	8,500	U	µg/kg
BH-27	8/1/90	EPA8270	5	6	feet	Phenanthrene	1,100,000		µg/kg
BH-27	8/1/90	EPA8270	5	6	feet	Indeno(1,2,3-cd)pyrene	280,000		µg/kg
BH-27	8/1/90	EPA8270	5	6	feet	Naphthalene	190,000		µg/kg
BH-27	8/1/90	EPA8270	5	6	feet	2-Methylnaphthalene	48,000		µg/kg
BH-27	8/1/90	EPA8270	5	6	feet	Pyrene	1,600,000		µg/kg
BH-27	8/1/90	EPA8270	5	6	feet	Benzo(g,h,i)perylene	250,000		µg/kg
BH-27	8/1/90	EPA8270	10	11	feet	Anthracene	310	U	µg/kg
BH-27	8/1/90	EPA8270	10	11	feet	Benzo(a)anthracene	310	U	µg/kg
BH-27	8/1/90	EPA8270	10	11	feet	Acenaphthene	310	U	µg/kg
BH-27	8/1/90	EPA8270	10	11	feet	Benzo(a)pyrene	710		µg/kg
BH-27	8/1/90	EPA8270	10	11	feet	2-Methylnaphthalene	310	U	µg/kg
BH-27	8/1/90	EPA8270	10	11	feet	Benzo(b)fluoranthene	310	U	µg/kg
BH-27	8/1/90	EPA8270	10	11	feet	Benzo(g,h,i)perylene	310	U	µg/kg
BH-27	8/1/90	EPA8270	10	11	feet	Acenaphthylene	310	U	µg/kg
BH-27	8/1/90	EPA8270	10	11	feet	Pyrene	310	U	µg/kg
BH-27	8/1/90	EPA8270	10	11	feet	Benzo(k)fluoranthene	310	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
BH-27	8/1/90	EPA8270	10	11	feet	Chrysene	310	U	µg/kg
BH-27	8/1/90	EPA8270	10	11	feet	Phenanthrene	310	U	µg/kg
BH-27	8/1/90	EPA8270	10	11	feet	Dibenz(a,h)anthracene	310	U	µg/kg
BH-27	8/1/90	EPA8270	10	11	feet	Naphthalene	310	U	µg/kg
BH-27	8/1/90	EPA8270	10	11	feet	Fluoranthene	310	U	µg/kg
BH-27	8/1/90	EPA8270	10	11	feet	Fluorene	310	U	µg/kg
BH-27	8/1/90	EPA8270	10	11	feet	Indeno(1,2,3-cd)pyrene	310	U	µg/kg
BH-27	8/1/90	EPA8270	22.5	24	feet	Benzo(k)fluoranthene	170	U	µg/kg
BH-27	8/1/90	EPA8270	22.5	24	feet	2-Methylnaphthalene	170	U	µg/kg
BH-27	8/1/90	EPA8270	22.5	24	feet	Phenanthrene	170	U	µg/kg
BH-27	8/1/90	EPA8270	22.5	24	feet	Acenaphthene	170	U	µg/kg
BH-27	8/1/90	EPA8270	22.5	24	feet	Naphthalene	170	U	µg/kg
BH-27	8/1/90	EPA8270	22.5	24	feet	Acenaphthylene	170	U	µg/kg
BH-27	8/1/90	EPA8270	22.5	24	feet	Chrysene	170	U	µg/kg
BH-27	8/1/90	EPA8270	22.5	24	feet	Anthracene	170	U	µg/kg
BH-27	8/1/90	EPA8270	22.5	24	feet	Fluorene	170	U	µg/kg
BH-27	8/1/90	EPA8270	22.5	24	feet	Benzo(a)anthracene	170	U	µg/kg
BH-27	8/1/90	EPA8270	22.5	24	feet	Fluoranthene	170	U	µg/kg
BH-27	8/1/90	EPA8270	22.5	24	feet	Benzo(a)pyrene	170	U	µg/kg
BH-27	8/1/90	EPA8270	22.5	24	feet	Dibenz(a,h)anthracene	170	U	µg/kg
BH-27	8/1/90	EPA8270	22.5	24	feet	Benzo(b)fluoranthene	170	U	µg/kg
BH-27	8/1/90	EPA8270	22.5	24	feet	Pyrene	170	U	µg/kg
BH-27	8/1/90	EPA8270	22.5	24	feet	Indeno(1,2,3-cd)pyrene	170	U	µg/kg
BH-27	8/1/90	EPA8270	22.5	24	feet	Benzo(g,h,i)perylene	170	U	µg/kg
BH-28	6/15/95	EPA8270	2.5	4	feet	Phenanthrene	3,400		µg/kg
BH-28	6/15/95	EPA8270	2.5	4	feet	Fluorene	750		µg/kg
BH-28	6/15/95	EPA8270	2.5	4	feet	Benzo(a)pyrene	2,000		µg/kg
BH-28	6/15/95	EPA8270	2.5	4	feet	Chrysene	2,700		µg/kg
BH-28	6/15/95	EPA8270	2.5	4	feet	Benzo(k)fluoranthene	1,300		µg/kg
BH-28	6/15/95	EPA8270	2.5	4	feet	Indeno(1,2,3-cd)pyrene	1,000		µg/kg
BH-28	6/15/95	EPA8270	2.5	4	feet	Benzo(a)anthracene	1,900		µg/kg
BH-28	6/15/95	EPA8270	2.5	4	feet	Acenaphthylene	260		µg/kg
BH-28	6/15/95	EPA8270	2.5	4	feet	Naphthalene	260		µg/kg
BH-28	6/15/95	EPA8270	2.5	4	feet	Anthracene	4,600		µg/kg
BH-28	6/15/95	EPA8270	2.5	4	feet	Acenaphthene	210		µg/kg
BH-28	6/15/95	EPA8270	2.5	4	feet	Benzo(b)fluoranthene	1,600		µg/kg
BH-28	6/15/95	EPA8270	2.5	4	feet	2-Methylnaphthalene	250		µg/kg
BH-28	6/15/95	EPA8270	2.5	4	feet	Benzo(g,h,i)perylene	1,100		µg/kg
BH-28	6/15/95	EPA8270	2.5	4	feet	Pyrene	3,600		µg/kg
BH-28	6/15/95	EPA8270	2.5	4	feet	Dibenz(a,h)anthracene	440		µg/kg
BH-28	6/15/95	EPA8270	2.5	4	feet	Fluoranthene	3,400		µg/kg
BH-28	6/15/95	EPA8270	7.5	9	feet	Indeno(1,2,3-cd)pyrene	85	U	µg/kg
BH-28	6/15/95	EPA8270	7.5	9	feet	Benzo(a)pyrene	130		µg/kg
BH-28	6/15/95	EPA8270	7.5	9	feet	Fluorene	85	U	µg/kg
BH-28	6/15/95	EPA8270	7.5	9	feet	Benzo(k)fluoranthene	120		µg/kg
BH-28	6/15/95	EPA8270	7.5	9	feet	Benzo(a)anthracene	110		µg/kg
BH-28	6/15/95	EPA8270	7.5	9	feet	Benzo(b)fluoranthene	100		µg/kg
BH-28	6/15/95	EPA8270	7.5	9	feet	Naphthalene	110		µg/kg
BH-28	6/15/95	EPA8270	7.5	9	feet	Anthracene	100		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
BH-29	6/15/95	EPA8270	7.5	9	feet	Chrysene	160		µg/kg
BH-29	6/15/95	EPA8270	7.5	9	feet	Pyrene	220		µg/kg
BH-29	6/15/95	EPA8270	7.5	9	feet	Acenaphthylene	85	U	µg/kg
BH-29	6/15/95	EPA8270	7.5	9	feet	Phenanthrene	180		µg/kg
BH-29	6/15/95	EPA8270	7.5	9	feet	Acenaphthene	85	U	µg/kg
BH-29	6/15/95	EPA8270	7.5	9	feet	Benzo(g,h,i)perylene	100		µg/kg
BH-29	6/15/95	EPA8270	7.5	9	feet	Dibenz(a,h)anthracene	85	U	µg/kg
BH-29	6/15/95	EPA8270	7.5	9	feet	2-Methylnaphthalene	85	U	µg/kg
BH-29	6/15/95	EPA8270	7.5	9	feet	Fluoranthene	170		µg/kg
BH-29	6/15/95	EPA8270	10	11.5	feet	Chrysene			µg/kg
BH-29	6/15/95	EPA8270	10	11.5	feet	Fluorene			µg/kg
BH-29	6/15/95	EPA8270	10	11.5	feet	Dibenz(a,h)anthracene			µg/kg
BH-29	6/15/95	EPA8270	10	11.5	feet	Benzo(k)fluoranthene			µg/kg
BH-29	6/15/95	EPA8270	10	11.5	feet	Phenanthrene			µg/kg
BH-29	6/15/95	EPA8270	10	11.5	feet	2-Methylnaphthalene			µg/kg
BH-29	6/15/95	EPA8270	10	11.5	feet	Acenaphthene			µg/kg
BH-29	6/15/95	EPA8270	10	11.5	feet	Pyrene			µg/kg
BH-29	6/15/95	EPA8270	10	11.5	feet	Acenaphthylene			µg/kg
BH-29	6/15/95	EPA8270	10	11.5	feet	Anthracene			µg/kg
BH-29	6/15/95	EPA8270	10	11.5	feet	Fluoranthene			µg/kg
BH-29	6/15/95	EPA8270	10	11.5	feet	Indeno(1,2,3-cd)pyrene			µg/kg
BH-29	6/15/95	EPA8270	10	11.5	feet	Benzo(a)anthracene			µg/kg
BH-29	6/15/95	EPA8270	10	11.5	feet	Benzo(a)pyrene			µg/kg
BH-29	6/15/95	EPA8270	10	11.5	feet	Naphthalene			µg/kg
BH-29	6/15/95	EPA8270	10	11.5	feet	Benzo(b)fluoranthene			µg/kg
BH-29	6/15/95	EPA8270	10	11.5	feet	Benzo(g,h,i)perylene			µg/kg
BH-29	6/15/95	EPA8270	13	14.5	feet	Phenanthrene			µg/kg
BH-29	6/15/95	EPA8270	13	14.5	feet	Naphthalene			µg/kg
BH-29	6/15/95	EPA8270	13	14.5	feet	Pyrene			µg/kg
BH-29	6/15/95	EPA8270	13	14.5	feet	Indeno(1,2,3-cd)pyrene			µg/kg
BH-29	6/15/95	EPA8270	13	14.5	feet	Fluorene			µg/kg
BH-29	6/15/95	EPA8270	13	14.5	feet	2-Methylnaphthalene			µg/kg
BH-29	6/15/95	EPA8270	13	14.5	feet	Benzo(a)pyrene			µg/kg
BH-29	6/15/95	EPA8270	13	14.5	feet	Benzo(b)fluoranthene			µg/kg
BH-29	6/15/95	EPA8270	13	14.5	feet	Anthracene			µg/kg
BH-29	6/15/95	EPA8270	13	14.5	feet	Benzo(g,h,i)perylene			µg/kg
BH-29	6/15/95	EPA8270	13	14.5	feet	Benzo(a)anthracene			µg/kg
BH-29	6/15/95	EPA8270	13	14.5	feet	Benzo(k)fluoranthene			µg/kg
BH-29	6/15/95	EPA8270	13	14.5	feet	Acenaphthylene			µg/kg
BH-29	6/15/95	EPA8270	13	14.5	feet	Acenaphthene			µg/kg
BH-29	6/15/95	EPA8270	13	14.5	feet	Chrysene			µg/kg
BH-29	6/15/95	EPA8270	13	14.5	feet	Dibenz(a,h)anthracene			µg/kg
BH-29	6/15/95	EPA8270	13	14.5	feet	Fluoranthene			µg/kg
BH-29	6/15/95	EPA8270	15	16.5	feet	Pyrene			µg/kg
BH-29	6/15/95	EPA8270	15	16.5	feet	Phenanthrene			µg/kg
BH-29	6/15/95	EPA8270	15	16.5	feet	2-Methylnaphthalene			µg/kg
BH-29	6/15/95	EPA8270	15	16.5	feet	Anthracene			µg/kg
BH-29	6/15/95	EPA8270	15	16.5	feet	Acenaphthene			µg/kg
BH-29	6/15/95	EPA8270	15	16.5	feet	Fluorene			µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
BH-28	6/15/95	EPA8270	15	16.5	feet	Acenaphthylene			µg/kg
BH-28	6/15/95	EPA8270	15	16.5	feet	Benzo(a)anthracene			µg/kg
BH-28	6/15/95	EPA8270	15	16.5	feet	Fluoranthene			µg/kg
BH-28	6/15/95	EPA8270	15	16.5	feet	Chrysene			µg/kg
BH-28	6/15/95	EPA8270	15	16.5	feet	Benzo(k)fluoranthene			µg/kg
BH-28	6/15/95	EPA8270	15	16.5	feet	Benzo(g,h,i)perylene			µg/kg
BH-28	6/15/95	EPA8270	15	16.5	feet	Indeno(1,2,3-cd)pyrene			µg/kg
BH-28	6/15/95	EPA8270	15	16.5	feet	Benzo(b)fluoranthene			µg/kg
BH-28	6/15/95	EPA8270	15	16.5	feet	Benzo(a)pyrene			µg/kg
BH-28	6/15/95	EPA8270	15	16.5	feet	Naphthalene			µg/kg
BH-28	6/15/95	EPA8270	15	16.5	feet	Dibenz(a,h)anthracene			µg/kg
BH-31B	12/23/88	EPA8270			feet	Dibenz(a,h)anthracene	59	U	µg/kg
BH-31B	12/23/88	EPA8270			feet	Pyrene	58	U	µg/kg
BH-31B	12/23/88	EPA8270			feet	Dibenz(a,h)anthracene	56	U	µg/kg
BH-31B	12/23/88	EPA8270			feet	Indeno(1,2,3-cd)pyrene	56	U	µg/kg
BH-31B	12/23/88	EPA8270			feet	Fluoranthene	34	J	µg/kg
BH-31B	12/23/88	EPA8270			feet	Fluoranthene	59	U	µg/kg
BH-31B	12/23/88	EPA8270			feet	Fluorene	13	M	µg/kg
BH-31B	12/23/88	EPA8270			feet	Fluorene	34	J	µg/kg
BH-31B	12/23/88	EPA8270			feet	Indeno(1,2,3-cd)pyrene	59	U	µg/kg
BH-31B	12/23/88	EPA8270			feet	Naphthalene	220		µg/kg
BH-31B	12/23/88	EPA8270			feet	Naphthalene	350		µg/kg
BH-31B	12/23/88	EPA8270			feet	Phenanthrene	58	U	µg/kg
BH-31B	12/23/88	EPA8270			feet	Pyrene	34	J	µg/kg
BH-31B	12/23/88	EPA8270			feet	Chrysene	59	U	µg/kg
BH-31B	12/23/88	EPA8270			feet	Acenaphthylene	59	U	µg/kg
BH-31B	12/23/88	EPA8270			feet	Phenanthrene	110		µg/kg
BH-31B	12/23/88	EPA8270			feet	Acenaphthylene	58	U	µg/kg
BH-31B	12/23/88	EPA8270			feet	2-Methylnaphthalene	16	M	µg/kg
BH-31B	12/23/88	EPA8270			feet	2-Methylnaphthalene	59	U	µg/kg
BH-31B	12/23/88	EPA8270			feet	Acenaphthene	31	J	µg/kg
BH-31B	12/23/88	EPA8270			feet	Anthracene	58	U	µg/kg
BH-31B	12/23/88	EPA8270			feet	Acenaphthene	53	J	µg/kg
BH-31B	12/23/88	EPA8270			feet	Chrysene	58	U	µg/kg
BH-31B	12/23/88	EPA8270			feet	Anthracene	58	U	µg/kg
BH-31B	12/23/88	EPA8270			feet	Benzo(g,h,i)perylene	58	U	µg/kg
BH-31B	12/23/88	EPA8270			feet	Benzo(a)anthracene	59	U	µg/kg
BH-31B	12/23/88	EPA8270			feet	Benzo(a)pyrene	58	U	µg/kg
BH-31B	12/23/88	EPA8270			feet	Benzo(a)pyrene	59	U	µg/kg
BH-31B	12/23/88	EPA8270			feet	Benzo(b,k)fluoranthene	56	U	µg/kg
BH-31B	12/23/88	EPA8270			feet	Benzo(b,k)fluoranthene	59	U	µg/kg
BH-31B	12/23/88	EPA8270			feet	Benzo(a)anthracene	56	U	µg/kg
BH-31B	12/23/88	EPA8270			feet	Benzo(g,h,i)perylene	59	U	µg/kg
BH-4	5/18/93	EPA8270	10.5	12	feet	Pyrene	58,000		µg/kg
BH-4	5/18/93	EPA8270	10.5	12	feet	Dibenz(a,h)anthracene	5,800		µg/kg
BH-4	5/18/93	EPA8270	10.5	12	feet	Fluoranthene	48,000		µg/kg
BH-4	5/18/93	EPA8270	10.5	12	feet	Fluorene	28,000		µg/kg
BH-4	5/18/93	EPA8270	10.5	12	feet	Indeno(1,2,3-cd)pyrene	7,500		µg/kg
BH-4	5/18/93	EPA8270	10.5	12	feet	Benzo(a)pyrene	7,600		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
BH-4	5/18/83	EPA8270	10.5	12	feet	Phenanthrene	91,000		µg/kg
BH-4	5/18/83	EPA8270	10.5	12	feet	Chrysene	23,000		µg/kg
BH-4	5/18/83	EPA8270	10.5	12	feet	Naphthalene	9,500		µg/kg
BH-4	5/18/83	EPA8270	10.5	12	feet	Benzo(k)fluoranthene	9,000		µg/kg
BH-4	5/18/83	EPA8270	10.5	12	feet	Benzo(b)fluoranthene	9,000		µg/kg
BH-4	5/18/83	EPA8270	10.5	12	feet	Benzo(a)anthracene	21,000		µg/kg
BH-4	5/18/83	EPA8270	10.5	12	feet	Anthracene	99,000		µg/kg
BH-4	5/18/83	EPA8270	10.5	12	feet	Acenaphthylene	150	U	µg/kg
BH-4	5/18/83	EPA8270	10.5	12	feet	Acenaphthene	38,000		µg/kg
BH-4	5/18/83	EPA8270	10.5	12	feet	2-Methylnaphthalene	150	U	µg/kg
BH-4	5/18/83	EPA8270	10.5	12	feet	Benzo(g,h,i)perylene	8,200		µg/kg
BH-7	5/1/83	EPA8270	3	19	feet	Fluoranthene	198,800	J	µg/kg
BH-7	5/1/83	EPA8270	3	19	feet	Fluorene	96,500	J	µg/kg
BH-7	5/1/83	EPA8270	3	19	feet	Indeno(1,2,3-cd)pyrene	36,300	J	µg/kg
BH-7	5/1/83	EPA8270	3	19	feet	Naphthalene	1,135,000	J	µg/kg
BH-7	5/1/83	EPA8270	3	19	feet	Chrysene	80,600	J	µg/kg
BH-7	5/1/83	EPA8270	3	19	feet	Pyrene	163,000	J	µg/kg
BH-7	5/1/83	EPA8270	3	19	feet	Benzo(k)fluoranthene	0		µg/kg
BH-7	5/1/83	EPA8270	3	19	feet	Phenanthrene	304,300	J	µg/kg
BH-7	5/1/83	EPA8270	3	19	feet	2-Methylnaphthalene	265,000	J	µg/kg
BH-7	5/1/83	EPA8270	3	19	feet	Benzo(g,h,i)perylene	44,100	J	µg/kg
BH-7	5/1/83	EPA8270	3	19	feet	Benzo(b)fluoranthene	87,400	J	µg/kg
BH-7	5/1/83	EPA8270	3	19	feet	Benzo(a)pyrene	150,000	J	µg/kg
BH-7	5/1/83	EPA8270	3	19	feet	Benzo(a)anthracene	86,000	J	µg/kg
BH-7	5/1/83	EPA8270	3	19	feet	Anthracene	74,400	J	µg/kg
BH-7	5/1/83	EPA8270	3	19	feet	Acenaphthylene	71,500	J	µg/kg
BH-7	5/1/83	EPA8270	3	19	feet	Acenaphthene	159,300	J	µg/kg
BH-7	5/1/83	EPA8270	3	19	feet	Dibenz(a,h)anthracene	11,000	J	µg/kg
BH-9	5/1/83	EPA8270	0	19.5	feet	Chrysene	152,600	J	µg/kg
BH-9	5/1/83	EPA8270	0	19.5	feet	Pyrene	400,000	J	µg/kg
BH-9	5/1/83	EPA8270	0	19.5	feet	Dibenz(a,h)anthracene	60,900	J	µg/kg
BH-9	5/1/83	EPA8270	0	19.5	feet	Fluoranthene	368,000	J	µg/kg
BH-9	5/1/83	EPA8270	0	19.5	feet	Fluorene	279,000	J	µg/kg
BH-9	5/1/83	EPA8270	0	19.5	feet	Indeno(1,2,3-cd)pyrene	54,800	J	µg/kg
BH-9	5/1/83	EPA8270	0	19.5	feet	Phenanthrene	1,081,000	J	µg/kg
BH-9	5/1/83	EPA8270	0	19.5	feet	Benzo(b)fluoranthene	27,600	J	µg/kg
BH-9	5/1/83	EPA8270	0	19.5	feet	Naphthalene	2,168,000	J	µg/kg
BH-9	5/1/83	EPA8270	0	19.5	feet	Benzo(a)pyrene	254,600	J	µg/kg
BH-9	5/1/83	EPA8270	0	19.5	feet	Benzo(a)anthracene	187,000	J	µg/kg
BH-9	5/1/83	EPA8270	0	19.5	feet	Anthracene	258,000	J	µg/kg
BH-9	5/1/83	EPA8270	0	19.5	feet	Acenaphthylene	185,000	J	µg/kg
BH-9	5/1/83	EPA8270	0	19.5	feet	Acenaphthene	516,000	J	µg/kg
BH-9	5/1/83	EPA8270	0	19.5	feet	2-Methylnaphthalene	1,083,000	J	µg/kg
BH-9	5/1/83	EPA8270	0	19.5	feet	Benzo(k)fluoranthene	0		µg/kg
BH-9	5/1/83	EPA8270	0	19.5	feet	Benzo(g,h,i)perylene	56,900	J	µg/kg
HC-1	6/14/95	EPA8270	5	6.5	feet	Chrysene	150		µg/kg
HC-1	6/14/95	EPA8270	5	6.5	feet	Benzo(b)fluoranthene	82		µg/kg
HC-1	6/14/95	EPA8270	5	6.5	feet	Naphthalene	78		µg/kg
HC-1	6/14/95	EPA8270	5	6.5	feet	Benzo(g,h,i)perylene	75	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
HC-1	6/14/95	EPA8270	5	6.5	feet	Benzo(k)fluoranthene	75	U	µg/kg
HC-1	6/14/95	EPA8270	5	6.5	feet	Benzo(a)pyrene	88		µg/kg
HC-1	6/14/95	EPA8270	5	6.5	feet	Fluoranthene	220		µg/kg
HC-1	6/14/95	EPA8270	5	6.5	feet	Anthracene	75	U	µg/kg
HC-1	6/14/95	EPA8270	5	6.5	feet	Dibenz(a,h)anthracene	75	U	µg/kg
HC-1	6/14/95	EPA8270	5	6.5	feet	Fluorene	75	U	µg/kg
HC-1	6/14/95	EPA8270	5	6.5	feet	Phenanthrene	160		µg/kg
HC-1	6/14/95	EPA8270	5	6.5	feet	Acenaphthylene	75	U	µg/kg
HC-1	6/14/95	EPA8270	5	6.5	feet	Pyrene	300		µg/kg
HC-1	6/14/95	EPA8270	5	6.5	feet	Acenaphthene	75	U	µg/kg
HC-1	6/14/95	EPA8270	5	6.5	feet	Indeno(1,2,3-cd)pyrene	75	U	µg/kg
HC-1	6/14/95	EPA8270	5	6.5	feet	2-Methylnaphthalene	75	U	µg/kg
HC-1	6/14/95	EPA8270	5	6.5	feet	Benzo(a)anthracene	88		µg/kg
HC-1	6/14/95	EPA8270	10	11.5	feet	Phenanthrene	130	U	µg/kg
HC-1	6/14/95	EPA8270	10	11.5	feet	Naphthalene	11,000		µg/kg
HC-1	6/14/95	EPA8270	10	11.5	feet	Pyrene	130	U	µg/kg
HC-1	6/14/95	EPA8270	10	11.5	feet	Fluorene	130	U	µg/kg
HC-1	6/14/95	EPA8270	10	11.5	feet	Fluoranthene	130	U	µg/kg
HC-1	6/14/95	EPA8270	10	11.5	feet	Acenaphthylene	130	U	µg/kg
HC-1	6/14/95	EPA8270	10	11.5	feet	Acenaphthene	340		µg/kg
HC-1	6/14/95	EPA8270	10	11.5	feet	Anthracene	130	U	µg/kg
HC-1	6/14/95	EPA8270	10	11.5	feet	Benzo(a)anthracene	130	U	µg/kg
HC-1	6/14/95	EPA8270	10	11.5	feet	Benzo(a)pyrene	130	U	µg/kg
HC-1	6/14/95	EPA8270	10	11.5	feet	Benzo(b)fluoranthene	130	U	µg/kg
HC-1	6/14/95	EPA8270	10	11.5	feet	Benzo(g,h,i)perylene	130	U	µg/kg
HC-1	6/14/95	EPA8270	10	11.5	feet	2-Methylnaphthalene	660		µg/kg
HC-1	6/14/95	EPA8270	10	11.5	feet	Benzo(k)fluoranthene	130	U	µg/kg
HC-1	6/14/95	EPA8270	10	11.5	feet	Chrysene	130	U	µg/kg
HC-1	6/14/95	EPA8270	10	11.5	feet	Indeno(1,2,3-cd)pyrene	130	U	µg/kg
HC-1	6/14/95	EPA8270	10	11.5	feet	Dibenz(a,h)anthracene	130	U	µg/kg
HC-2	6/14/95	EPA8270	2.5	4	feet	Fluoranthene	320		µg/kg
HC-2	6/14/95	EPA8270	2.5	4	feet	Naphthalene	78		µg/kg
HC-2	6/14/95	EPA8270	2.5	4	feet	Dibenz(a,h)anthracene	72		µg/kg
HC-2	6/14/95	EPA8270	2.5	4	feet	Benzo(k)fluoranthene	170		µg/kg
HC-2	6/14/95	EPA8270	2.5	4	feet	Anthracene	280		µg/kg
HC-2	6/14/95	EPA8270	2.5	4	feet	Indeno(1,2,3-cd)pyrene	140		µg/kg
HC-2	6/14/95	EPA8270	2.5	4	feet	Benzo(a)pyrene	270		µg/kg
HC-2	6/14/95	EPA8270	2.5	4	feet	Benzo(a)anthracene	190		µg/kg
HC-2	6/14/95	EPA8270	2.5	4	feet	Acenaphthylene	72	U	µg/kg
HC-2	6/14/95	EPA8270	2.5	4	feet	Benzo(g,h,i)perylene	180		µg/kg
HC-2	6/14/95	EPA8270	2.5	4	feet	Fluorene	72	U	µg/kg
HC-2	6/14/95	EPA8270	2.5	4	feet	Benzo(b)fluoranthene	200		µg/kg
HC-2	6/14/95	EPA8270	2.5	4	feet	Phenanthrene	270		µg/kg
HC-2	6/14/95	EPA8270	2.5	4	feet	Chrysene	310		µg/kg
HC-2	6/14/95	EPA8270	2.5	4	feet	Pyrene	400		µg/kg
HC-2	6/14/95	EPA8270	2.5	4	feet	2-Methylnaphthalene	72	U	µg/kg
HC-2	6/14/95	EPA8270	2.5	4	feet	Acenaphthene	72	U	µg/kg
HC-2	6/14/95	EPA8270	7.5	9	feet	Benzo(b)fluoranthene	29,000	J	µg/kg
HC-2	6/14/95	EPA8270	7.5	9	feet	Chrysene	24,000	J	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
HC-2	6/14/95	EPA8270	7.5	9	feet	Dibenz(a,h)anthracene	8,000	J	µg/kg
HC-2	6/14/95	EPA8270	7.5	9	feet	Fluoranthene	40,000	J	µg/kg
HC-2	6/14/95	EPA8270	7.5	9	feet	Acenaphthylene	3,100	UJ	µg/kg
HC-2	6/14/95	EPA8270	7.5	9	feet	Benzo(a)pyrene	35,000	J	µg/kg
HC-2	6/14/95	EPA8270	7.5	9	feet	Benzo(g,h,i)perylene	28,000	J	µg/kg
HC-2	6/14/95	EPA8270	7.5	9	feet	Benzo(k)fluoranthene	18,000	J	µg/kg
HC-2	6/14/95	EPA8270	7.5	9	feet	Naphthalene	210,000	J	µg/kg
HC-2	6/14/95	EPA8270	7.5	9	feet	Pyrene	55,000	J	µg/kg
HC-2	6/14/95	EPA8270	7.5	9	feet	2-Methylnaphthalene	84,000	J	µg/kg
HC-2	6/14/95	EPA8270	7.5	9	feet	Anthracene	22,000	J	µg/kg
HC-2	6/14/95	EPA8270	7.5	9	feet	Indeno(1,2,3-cd)pyrene	21,000	J	µg/kg
HC-2	6/14/95	EPA8270	7.5	9	feet	Fluorene	28,000	J	µg/kg
HC-2	6/14/95	EPA8270	7.5	9	feet	Benzo(a)anthracene	20,000	J	µg/kg
HC-2	6/14/95	EPA8270	7.5	9	feet	Phenanthrene	87,000	J	µg/kg
HC-2	6/14/95	EPA8270	7.5	9	feet	Acenaphthene	38,000	J	µg/kg
HC-2	6/14/95	EPA8270	12.5	14	feet	Chrysene	0		µg/kg
HC-2	6/14/95	EPA8270	12.5	14	feet	Pyrene	0		µg/kg
HC-2	6/14/95	EPA8270	12.5	14	feet	Naphthalene	0		µg/kg
HC-2	6/14/95	EPA8270	12.5	14	feet	Dibenz(a,h)anthracene	0		µg/kg
HC-2	6/14/95	EPA8270	12.5	14	feet	Fluoranthene	0		µg/kg
HC-2	6/14/95	EPA8270	12.5	14	feet	Indeno(1,2,3-cd)pyrene	0		µg/kg
HC-2	6/14/95	EPA8270	12.5	14	feet	Fluorene	0		µg/kg
HC-2	6/14/95	EPA8270	12.5	14	feet	Phenanthrene	0		µg/kg
HC-2	6/14/95	EPA8270	12.5	14	feet	Acenaphthylene	0		µg/kg
HC-2	6/14/95	EPA8270	12.5	14	feet	2-Methylnaphthalene	0		µg/kg
HC-2	6/14/95	EPA8270	12.5	14	feet	Benzo(k)fluoranthene	0		µg/kg
HC-2	6/14/95	EPA8270	12.5	14	feet	Benzo(a)anthracene	0		µg/kg
HC-2	6/14/95	EPA8270	12.5	14	feet	Acenaphthene	0		µg/kg
HC-2	6/14/95	EPA8270	12.5	14	feet	Benzo(g,h,i)perylene	0		µg/kg
HC-2	6/14/95	EPA8270	12.5	14	feet	Anthracene	0		µg/kg
HC-2	6/14/95	EPA8270	12.5	14	feet	Benzo(b)fluoranthene	0		µg/kg
HC-2	6/14/95	EPA8270	12.5	14	feet	Benzo(a)pyrene	0		µg/kg
HC-2	6/14/95	EPA8270	17.5	19	feet	Anthracene	1,900		µg/kg
HC-2	6/14/95	EPA8270	17.5	19	feet	Indeno(1,2,3-cd)pyrene	710		µg/kg
HC-2	6/14/95	EPA8270	17.5	19	feet	Acenaphthylene	160	U	µg/kg
HC-2	6/14/95	EPA8270	17.5	19	feet	Acenaphthene	3,400		µg/kg
HC-2	6/14/95	EPA8270	17.5	19	feet	2-Methylnaphthalene	5,200		µg/kg
HC-2	6/14/95	EPA8270	17.5	19	feet	Phenanthrene	8,800		µg/kg
HC-2	6/14/95	EPA8270	17.5	19	feet	Pyrene	4,200		µg/kg
HC-2	6/14/95	EPA8270	17.5	19	feet	Fluorene	2,800		µg/kg
HC-2	6/14/95	EPA8270	17.5	19	feet	Naphthalene	15,000		µg/kg
HC-2	6/14/95	EPA8270	17.5	19	feet	Benzo(g,h,i)perylene	900		µg/kg
HC-2	6/14/95	EPA8270	17.5	19	feet	Benzo(k)fluoranthene	890		µg/kg
HC-2	6/14/95	EPA8270	17.5	19	feet	Fluoranthene	4,000		µg/kg
HC-2	6/14/95	EPA8270	17.5	19	feet	Benzo(a)anthracene	1,200		µg/kg
HC-2	6/14/95	EPA8270	17.5	19	feet	Benzo(a)pyrene	1,100		µg/kg
HC-2	6/14/95	EPA8270	17.5	19	feet	Chrysene	1,400		µg/kg
HC-2	6/14/95	EPA8270	17.5	19	feet	Dibenz(a,h)anthracene	320		µg/kg
HC-2	6/14/95	EPA8270	17.5	19	feet	Benzo(b)fluoranthene	930		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
HC-2	6/14/95	EPA8270	22.5	24	feet	Pyrene	0		µg/kg
HC-2	6/14/95	EPA8270	22.5	24	feet	Benzo(k)fluoranthene	0		µg/kg
HC-2	6/14/95	EPA8270	22.5	24	feet	2-Methylnaphthalene	0		µg/kg
HC-2	6/14/95	EPA8270	22.5	24	feet	Chrysene	0		µg/kg
HC-2	6/14/95	EPA8270	22.5	24	feet	Benzo(g,h,i)perylene	0		µg/kg
HC-2	6/14/95	EPA8270	22.5	24	feet	Acenaphthene	0		µg/kg
HC-2	6/14/95	EPA8270	22.5	24	feet	Phenanthrene	0		µg/kg
HC-2	6/14/95	EPA8270	22.5	24	feet	Indeno(1,2,3-cd)pyrene	0		µg/kg
HC-2	6/14/95	EPA8270	22.5	24	feet	Acenaphthylene	0		µg/kg
HC-2	6/14/95	EPA8270	22.5	24	feet	Benzo(b)fluoranthene	0		µg/kg
HC-2	6/14/95	EPA8270	22.5	24	feet	Naphthalene	0		µg/kg
HC-2	6/14/95	EPA8270	22.5	24	feet	Anthracene	0		µg/kg
HC-2	6/14/95	EPA8270	22.5	24	feet	Fluoranthene	0		µg/kg
HC-2	6/14/95	EPA8270	22.5	24	feet	Benzo(a)pyrene	0		µg/kg
HC-2	6/14/95	EPA8270	22.5	24	feet	Benzo(a)anthracene	0		µg/kg
HC-2	6/14/95	EPA8270	22.5	24	feet	Fluorene	0		µg/kg
HC-2	6/14/95	EPA8270	22.5	24	feet	Dibenz(a,h)anthracene	0		µg/kg
HC-3	6/14/95	EPA8270	2.5	4	feet	Indeno(1,2,3-cd)pyrene	2,000		µg/kg
HC-3	6/14/95	EPA8270	2.5	4	feet	Fluoranthene	7,200		µg/kg
HC-3	6/14/95	EPA8270	2.5	4	feet	Chrysene	6,000		µg/kg
HC-3	6/14/95	EPA8270	2.5	4	feet	Benzo(a)pyrene	4,300		µg/kg
HC-3	6/14/95	EPA8270	2.5	4	feet	Pyrene	8,400		µg/kg
HC-3	6/14/95	EPA8270	2.5	4	feet	Acenaphthene	350		µg/kg
HC-3	6/14/95	EPA8270	2.5	4	feet	Benzo(a)anthracene	3,900		µg/kg
HC-3	6/14/95	EPA8270	2.5	4	feet	Naphthalene	640		µg/kg
HC-3	6/14/95	EPA8270	2.5	4	feet	Anthracene	3,900		µg/kg
HC-3	6/14/95	EPA8270	2.5	4	feet	Benzo(k)fluoranthene	2,600		µg/kg
HC-3	6/14/95	EPA8270	2.5	4	feet	Dibenz(a,h)anthracene	910		µg/kg
HC-3	6/14/95	EPA8270	2.5	4	feet	2-Methylnaphthalene	530		µg/kg
HC-3	6/14/95	EPA8270	2.5	4	feet	Benzo(b)fluoranthene	4,000		µg/kg
HC-3	6/14/95	EPA8270	2.5	4	feet	Fluorene	1,200		µg/kg
HC-3	6/14/95	EPA8270	2.5	4	feet	Benzo(g,h,i)perylene	2,300		µg/kg
HC-3	6/14/95	EPA8270	2.5	4	feet	Phenanthrene	6,100		µg/kg
HC-3	6/14/95	EPA8270	2.5	4	feet	Acenaphthylene	860		µg/kg
HC-3	6/14/95	EPA8270	7.5	9	feet	Indeno(1,2,3-cd)pyrene	97	U	µg/kg
HC-3	6/14/95	EPA8270	7.5	9	feet	Fluorene	97	U	µg/kg
HC-3	6/14/95	EPA8270	7.5	9	feet	Benzo(b)fluoranthene	97	U	µg/kg
HC-3	6/14/95	EPA8270	7.5	9	feet	Benzo(a)pyrene	97	U	µg/kg
HC-3	6/14/95	EPA8270	7.5	9	feet	Benzo(k)fluoranthene	97	U	µg/kg
HC-3	6/14/95	EPA8270	7.5	9	feet	Naphthalene	120		µg/kg
HC-3	6/14/95	EPA8270	7.5	9	feet	Benzo(a)anthracene	97	U	µg/kg
HC-3	6/14/95	EPA8270	7.5	9	feet	Anthracene	97	U	µg/kg
HC-3	6/14/95	EPA8270	7.5	9	feet	Fluoranthene	97	U	µg/kg
HC-3	6/14/95	EPA8270	7.5	9	feet	Acenaphthylene	97	U	µg/kg
HC-3	6/14/95	EPA8270	7.5	9	feet	Phenanthrene	97	U	µg/kg
HC-3	6/14/95	EPA8270	7.5	9	feet	Acenaphthene	97	U	µg/kg
HC-3	6/14/95	EPA8270	7.5	9	feet	2-Methylnaphthalene	97	U	µg/kg
HC-3	6/14/95	EPA8270	7.5	9	feet	Dibenz(a,h)anthracene	97	U	µg/kg
HC-3	6/14/95	EPA8270	7.5	9	feet	Pyrene	97	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
HC-3	6/14/95	EPA8270	7.5	9	feet	Benzo(g,h,i)perylene	97	U	µg/kg
HC-3	6/14/95	EPA8270	7.5	9	feet	Chrysene	97	U	µg/kg
HC-3	6/14/95	EPA8270	13	14.5	feet	Fluorene	82	U	µg/kg
HC-3	6/14/95	EPA8270	13	14.5	feet	Chrysene	82	U	µg/kg
HC-3	6/14/95	EPA8270	13	14.5	feet	Benzo(k)fluoranthene	82	U	µg/kg
HC-3	6/14/95	EPA8270	13	14.5	feet	Dibenz(a,h)anthracene	82	U	µg/kg
HC-3	6/14/95	EPA8270	13	14.5	feet	Anthracene	82	U	µg/kg
HC-3	6/14/95	EPA8270	13	14.5	feet	Fluoranthene	82	U	µg/kg
HC-3	6/14/95	EPA8270	13	14.5	feet	Indeno(1,2,3-cd)pyrene	82	U	µg/kg
HC-3	6/14/95	EPA8270	13	14.5	feet	Benzo(b)fluoranthene	82	U	µg/kg
HC-3	6/14/95	EPA8270	13	14.5	feet	Benzo(a)pyrene	82	U	µg/kg
HC-3	6/14/95	EPA8270	13	14.5	feet	Pyrene	82	U	µg/kg
HC-3	6/14/95	EPA8270	13	14.5	feet	Benzo(a)anthracene	82	U	µg/kg
HC-3	6/14/95	EPA8270	13	14.5	feet	Naphthalene	2,000		µg/kg
HC-3	6/14/95	EPA8270	13	14.5	feet	Benzo(g,h,i)perylene	82	U	µg/kg
HC-3	6/14/95	EPA8270	13	14.5	feet	2-Methylnaphthalene	330		µg/kg
HC-3	6/14/95	EPA8270	13	14.5	feet	Acenaphthene	82	U	µg/kg
HC-3	6/14/95	EPA8270	13	14.5	feet	Acenaphthylene	82	U	µg/kg
HC-3	6/14/95	EPA8270	13	14.5	feet	Phenanthrene	82	U	µg/kg
HC-3	6/14/95	EPA8270	19	20.5	feet	Pyrene	0		µg/kg
HC-3	6/14/95	EPA8270	19	20.5	feet	Fluorene	0		µg/kg
HC-3	6/14/95	EPA8270	19	20.5	feet	Naphthalene	0		µg/kg
HC-3	6/14/95	EPA8270	19	20.5	feet	Indeno(1,2,3-cd)pyrene	0		µg/kg
HC-3	6/14/95	EPA8270	19	20.5	feet	Phenanthrene	0		µg/kg
HC-3	6/14/95	EPA8270	19	20.5	feet	Benzo(k)fluoranthene	0		µg/kg
HC-3	6/14/95	EPA8270	19	20.5	feet	Benzo(a)pyrene	0		µg/kg
HC-3	6/14/95	EPA8270	19	20.5	feet	Acenaphthylene	0		µg/kg
HC-3	6/14/95	EPA8270	19	20.5	feet	Benzo(b)fluoranthene	0		µg/kg
HC-3	6/14/95	EPA8270	19	20.5	feet	Benzo(g,h,i)perylene	0		µg/kg
HC-3	6/14/95	EPA8270	19	20.5	feet	Benzo(a)anthracene	0		µg/kg
HC-3	6/14/95	EPA8270	19	20.5	feet	Acenaphthene	0		µg/kg
HC-3	6/14/95	EPA8270	19	20.5	feet	Anthracene	0		µg/kg
HC-3	6/14/95	EPA8270	19	20.5	feet	Chrysene	0		µg/kg
HC-3	6/14/95	EPA8270	19	20.5	feet	2-Methylnaphthalene	0		µg/kg
HC-3	6/14/95	EPA8270	19	20.5	feet	Dibenz(a,h)anthracene	0		µg/kg
HC-3	6/14/95	EPA8270	19	20.5	feet	Fluoranthene	0		µg/kg
HC-3	6/14/95	EPA8270	22	23.5	feet	2-Methylnaphthalene	0		µg/kg
HC-3	6/14/95	EPA8270	22	23.5	feet	Fluoranthene	0		µg/kg
HC-3	6/14/95	EPA8270	22	23.5	feet	Acenaphthene	0		µg/kg
HC-3	6/14/95	EPA8270	22	23.5	feet	Anthracene	0		µg/kg
HC-3	6/14/95	EPA8270	22	23.5	feet	Phenanthrene	0		µg/kg
HC-3	6/14/95	EPA8270	22	23.5	feet	Pyrene	0		µg/kg
HC-3	6/14/95	EPA8270	22	23.5	feet	Benzo(g,h,i)perylene	0		µg/kg
HC-3	6/14/95	EPA8270	22	23.5	feet	Chrysene	0		µg/kg
HC-3	6/14/95	EPA8270	22	23.5	feet	Acenaphthylene	0		µg/kg
HC-3	6/14/95	EPA8270	22	23.5	feet	Dibenz(a,h)anthracene	0		µg/kg
HC-3	6/14/95	EPA8270	22	23.5	feet	Benzo(a)anthracene	0		µg/kg
HC-3	6/14/95	EPA8270	22	23.5	feet	Benzo(k)fluoranthene	0		µg/kg
HC-3	6/14/95	EPA8270	22	23.5	feet	Indeno(1,2,3-cd)pyrene	0		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
HC-3	6/14/95	EPA8270	22	23.5	feet	Benzo(b)fluoranthene	0		µg/kg
HC-3	6/14/95	EPA8270	22	23.5	feet	Benzo(a)pyrene	0		µg/kg
HC-3	6/14/95	EPA8270	22	23.5	feet	Naphthalene	0		µg/kg
HC-3	6/14/95	EPA8270	22	23.5	feet	Fluorene	0		µg/kg
HC-4	6/14/95	EPA8270	2.5	4	feet	Chrysene	70	U	µg/kg
HC-4	6/14/95	EPA8270	2.5	4	feet	Fluorene	430		µg/kg
HC-4	6/14/95	EPA8270	2.5	4	feet	Anthracene	210		µg/kg
HC-4	6/14/95	EPA8270	2.5	4	feet	Benzo(a)anthracene	70	U	µg/kg
HC-4	6/14/95	EPA8270	2.5	4	feet	Indeno(1,2,3-cd)pyrene	70	U	µg/kg
HC-4	6/14/95	EPA8270	2.5	4	feet	Benzo(a)pyrene	70	U	µg/kg
HC-4	6/14/95	EPA8270	2.5	4	feet	Fluoranthene	130		µg/kg
HC-4	6/14/95	EPA8270	2.5	4	feet	Benzo(b)fluoranthene	70	U	µg/kg
HC-4	6/14/95	EPA8270	2.5	4	feet	Benzo(g,h,i)perylene	70	U	µg/kg
HC-4	6/14/95	EPA8270	2.5	4	feet	Acenaphthylene	70	U	µg/kg
HC-4	6/14/95	EPA8270	2.5	4	feet	Phenanthrene	430		µg/kg
HC-4	6/14/95	EPA8270	2.5	4	feet	Dibenz(a,h)anthracene	70	U	µg/kg
HC-4	6/14/95	EPA8270	2.5	4	feet	Benzo(k)fluoranthene	70	U	µg/kg
HC-4	6/14/95	EPA8270	2.5	4	feet	Pyrene	110		µg/kg
HC-4	6/14/95	EPA8270	2.5	4	feet	2-Methylnaphthalene	1,400		µg/kg
HC-4	6/14/95	EPA8270	2.5	4	feet	Acenaphthene	640		µg/kg
HC-4	6/14/95	EPA8270	2.5	4	feet	Naphthalene	3,000		µg/kg
HC-4	6/14/95	EPA8270	10	11.5	feet	Fluoranthene	940		µg/kg
HC-4	6/14/95	EPA8270	10	11.5	feet	Benzo(k)fluoranthene	210		µg/kg
HC-4	6/14/95	EPA8270	10	11.5	feet	Benzo(g,h,i)perylene	210		µg/kg
HC-4	6/14/95	EPA8270	10	11.5	feet	Pyrene	770		µg/kg
HC-4	6/14/95	EPA8270	10	11.5	feet	Chrysene	310		µg/kg
HC-4	6/14/95	EPA8270	10	11.5	feet	Benzo(b)fluoranthene	350		µg/kg
HC-4	6/14/95	EPA8270	10	11.5	feet	Dibenz(a,h)anthracene	180	U	µg/kg
HC-4	6/14/95	EPA8270	10	11.5	feet	2-Methylnaphthalene	2,800		µg/kg
HC-4	6/14/95	EPA8270	10	11.5	feet	Acenaphthene	1,100		µg/kg
HC-4	6/14/95	EPA8270	10	11.5	feet	Benzo(a)pyrene	330		µg/kg
HC-4	6/14/95	EPA8270	10	11.5	feet	Anthracene	250		µg/kg
HC-4	6/14/95	EPA8270	10	11.5	feet	Phenanthrene	2,200		µg/kg
HC-4	6/14/95	EPA8270	10	11.5	feet	Benzo(a)anthracene	280		µg/kg
HC-4	6/14/95	EPA8270	10	11.5	feet	Acenaphthylene	180	U	µg/kg
HC-4	6/14/95	EPA8270	10	11.5	feet	Fluorene	770		µg/kg
HC-4	6/14/95	EPA8270	10	11.5	feet	Indeno(1,2,3-cd)pyrene	180	U	µg/kg
HC-4	6/14/95	EPA8270	10	11.5	feet	Naphthalene	10,000		µg/kg
HC-4	6/14/95	EPA8270	14.5	16	feet	Indeno(1,2,3-cd)pyrene	930		µg/kg
HC-4	6/14/95	EPA8270	14.5	16	feet	Benzo(k)fluoranthene	740		µg/kg
HC-4	6/14/95	EPA8270	14.5	16	feet	Phenanthrene	8,200		µg/kg
HC-4	6/14/95	EPA8270	14.5	16	feet	Chrysene	1,300		µg/kg
HC-4	6/14/95	EPA8270	14.5	16	feet	Fluoranthene	4,600		µg/kg
HC-4	6/14/95	EPA8270	14.5	16	feet	Fluorene	3,400		µg/kg
HC-4	6/14/95	EPA8270	14.5	16	feet	Pyrene	3,600		µg/kg
HC-4	6/14/95	EPA8270	14.5	16	feet	Dibenz(a,h)anthracene	280		µg/kg
HC-4	6/14/95	EPA8270	14.5	16	feet	Naphthalene	32,000		µg/kg
HC-4	6/14/95	EPA8270	14.5	16	feet	Acenaphthene	4,800		µg/kg
HC-4	6/14/95	EPA8270	14.5	16	feet	Benzo(a)pyrene	1,300		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
HC-4	6/14/95	EPA8270	14.5	16	feet	Anthracene	1,300		µg/kg
HC-4	6/14/95	EPA8270	14.5	16	feet	Acenaphthylene	61	U	µg/kg
HC-4	6/14/95	EPA8270	14.5	16	feet	Benzo(a)anthracene	1,300		µg/kg
HC-4	6/14/95	EPA8270	14.5	16	feet	Benzo(b)fluoranthene	1,500		µg/kg
HC-4	6/14/95	EPA8270	14.5	16	feet	Benzo(g,h,i)perylene	620		µg/kg
HC-4	6/14/95	EPA8270	14.5	16	feet	2-Methylnaphthalene	10,000		µg/kg
HC-4	6/14/95	EPA8270	19	20.5	feet	Phenanthrene	0		µg/kg
HC-4	6/14/95	EPA8270	19	20.5	feet	2-Methylnaphthalene	0		µg/kg
HC-4	6/14/95	EPA8270	19	20.5	feet	Acenaphthene	0		µg/kg
HC-4	6/14/95	EPA8270	19	20.5	feet	Naphthalene	0		µg/kg
HC-4	6/14/95	EPA8270	19	20.5	feet	Anthracene	0		µg/kg
HC-4	6/14/95	EPA8270	19	20.5	feet	Pyrene	0		µg/kg
HC-4	6/14/95	EPA8270	19	20.5	feet	Indeno(1,2,3-cd)pyrene	0		µg/kg
HC-4	6/14/95	EPA8270	19	20.5	feet	Benzo(a)anthracene	0		µg/kg
HC-4	6/14/95	EPA8270	19	20.5	feet	Acenaphthylene	0		µg/kg
HC-4	6/14/95	EPA8270	19	20.5	feet	Benzo(a)pyrene	0		µg/kg
HC-4	6/14/95	EPA8270	19	20.5	feet	Fluorene	0		µg/kg
HC-4	6/14/95	EPA8270	19	20.5	feet	Benzo(k)fluoranthene	0		µg/kg
HC-4	6/14/95	EPA8270	19	20.5	feet	Chrysene	0		µg/kg
HC-4	6/14/95	EPA8270	19	20.5	feet	Fluoranthene	0		µg/kg
HC-4	6/14/95	EPA8270	19	20.5	feet	Benzo(b)fluoranthene	0		µg/kg
HC-4	6/14/95	EPA8270	19	20.5	feet	Benzo(g,h,i)perylene	0		µg/kg
HC-4	6/14/95	EPA8270	19	20.5	feet	Dibenz(a,h)anthracene	0		µg/kg
HC-4	6/14/95	EPA8270	22	23.5	feet	Acenaphthene	0		µg/kg
HC-4	6/14/95	EPA8270	22	23.5	feet	2-Methylnaphthalene	0		µg/kg
HC-4	6/14/95	EPA8270	22	23.5	feet	Benzo(k)fluoranthene	0		µg/kg
HC-4	6/14/95	EPA8270	22	23.5	feet	Pyrene	0		µg/kg
HC-4	6/14/95	EPA8270	22	23.5	feet	Benzo(g,h,i)perylene	0		µg/kg
HC-4	6/14/95	EPA8270	22	23.5	feet	Phenanthrene	0		µg/kg
HC-4	6/14/95	EPA8270	22	23.5	feet	Indeno(1,2,3-cd)pyrene	0		µg/kg
HC-4	6/14/95	EPA8270	22	23.5	feet	Benzo(a)pyrene	0		µg/kg
HC-4	6/14/95	EPA8270	22	23.5	feet	Chrysene	0		µg/kg
HC-4	6/14/95	EPA8270	22	23.5	feet	Fluorene	0		µg/kg
HC-4	6/14/95	EPA8270	22	23.5	feet	Dibenz(a,h)anthracene	0		µg/kg
HC-4	6/14/95	EPA8270	22	23.5	feet	Benzo(a)anthracene	0		µg/kg
HC-4	6/14/95	EPA8270	22	23.5	feet	Fluoranthene	0		µg/kg
HC-4	6/14/95	EPA8270	22	23.5	feet	Anthracene	0		µg/kg
HC-4	6/14/95	EPA8270	22	23.5	feet	Benzo(b)fluoranthene	0		µg/kg
HC-4	6/14/95	EPA8270	22	23.5	feet	Naphthalene	0		µg/kg
HC-4	6/14/95	EPA8270	22	23.5	feet	Acenaphthylene	0		µg/kg
HC-5	6/15/95	EPA8270	2.5	4	feet	Benzo(b)fluoranthene	91,000		µg/kg
HC-5	6/15/95	EPA8270	2.5	4	feet	Anthracene	1,100,000		µg/kg
HC-5	6/15/95	EPA8270	2.5	4	feet	Acenaphthylene	44,000		µg/kg
HC-5	6/15/95	EPA8270	2.5	4	feet	Benzo(a)anthracene	150,000	U	µg/kg
HC-5	6/15/95	EPA8270	2.5	4	feet	Naphthalene	2,900,000		µg/kg
HC-5	6/15/95	EPA8270	2.5	4	feet	Benzo(k)fluoranthene	98,000		µg/kg
HC-5	6/15/95	EPA8270	2.5	4	feet	Pyrene	840,000		µg/kg
HC-5	6/15/95	EPA8270	2.5	4	feet	Indeno(1,2,3-cd)pyrene	50,000		µg/kg
HC-5	6/15/95	EPA8270	2.5	4	feet	Benzo(g,h,i)perylene	68,000		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration	Conc. Units
HC-5	6/15/95	EPA8270	2.5	4	feet	Chrysene	200,000	µg/kg
HC-5	6/15/95	EPA8270	2.5	4	feet	Benzo(a)pyrene	110,000	µg/kg
HC-5	6/15/95	EPA8270	2.5	4	feet	Fluorene	16,000	µg/kg
HC-5	6/15/95	EPA8270	2.5	4	feet	Fluoranthene	390,000	µg/kg
HC-5	6/15/95	EPA8270	2.5	4	feet	Dibenz(a,h)anthracene	21,000	µg/kg
HC-5	6/15/95	EPA8270	2.5	4	feet	2-Methylnaphthalene	580,000	µg/kg
HC-5	6/15/95	EPA8270	2.5	4	feet	Phenanthrene	1,000,000	µg/kg
HC-5	6/15/95	EPA8270	2.5	4	feet	Acenaphthene	470,000	µg/kg
HC-5	6/15/95	EPA8270	7.5	9	feet	Acenaphthene	0	µg/kg
HC-5	6/15/95	EPA8270	7.5	9	feet	Pyrene	0	µg/kg
HC-5	6/15/95	EPA8270	7.5	9	feet	Benzo(g,h,i)perylene	0	µg/kg
HC-5	6/15/95	EPA8270	7.5	9	feet	Indeno(1,2,3-cd)pyrene	0	µg/kg
HC-5	6/15/95	EPA8270	7.5	9	feet	Benzo(k)fluoranthene	0	µg/kg
HC-5	6/15/95	EPA8270	7.5	9	feet	2-Methylnaphthalene	0	µg/kg
HC-5	6/15/95	EPA8270	7.5	9	feet	Benzo(b)fluoranthene	0	µg/kg
HC-5	6/15/95	EPA8270	7.5	9	feet	Naphthalene	0	µg/kg
HC-5	6/15/95	EPA8270	7.5	9	feet	Benzo(a)pyrene	0	µg/kg
HC-5	6/15/95	EPA8270	7.5	9	feet	Dibenz(a,h)anthracene	0	µg/kg
HC-5	6/15/95	EPA8270	7.5	9	feet	Acenaphthylene	0	µg/kg
HC-5	6/15/95	EPA8270	7.5	9	feet	Anthracene	0	µg/kg
HC-5	6/15/95	EPA8270	7.5	9	feet	Chrysene	0	µg/kg
HC-5	6/15/95	EPA8270	7.5	9	feet	Benzo(a)anthracene	0	µg/kg
HC-5	6/15/95	EPA8270	7.5	9	feet	Fluorene	0	µg/kg
HC-5	6/15/95	EPA8270	7.5	9	feet	Phenanthrene	0	µg/kg
HC-5	6/15/95	EPA8270	7.5	9	feet	Fluoranthene	0	µg/kg
HC-5	6/15/95	EPA8270	10	11.5	feet	Fluorene	0	µg/kg
HC-5	6/15/95	EPA8270	10	11.5	feet	Benzo(k)fluoranthene	0	µg/kg
HC-5	6/15/95	EPA8270	10	11.5	feet	Dibenz(a,h)anthracene	0	µg/kg
HC-5	6/15/95	EPA8270	10	11.5	feet	Chrysene	0	µg/kg
HC-5	6/15/95	EPA8270	10	11.5	feet	Benzo(a)anthracene	0	µg/kg
HC-5	6/15/95	EPA8270	10	11.5	feet	2-Methylnaphthalene	0	µg/kg
HC-5	6/15/95	EPA8270	10	11.5	feet	Acenaphthene	0	µg/kg
HC-5	6/15/95	EPA8270	10	11.5	feet	Fluoranthene	0	µg/kg
HC-5	6/15/95	EPA8270	10	11.5	feet	Acenaphthylene	0	µg/kg
HC-5	6/15/95	EPA8270	10	11.5	feet	Pyrene	0	µg/kg
HC-5	6/15/95	EPA8270	10	11.5	feet	Phenanthrene	0	µg/kg
HC-5	6/15/95	EPA8270	10	11.5	feet	Indeno(1,2,3-cd)pyrene	0	µg/kg
HC-5	6/15/95	EPA8270	10	11.5	feet	Benzo(a)pyrene	0	µg/kg
HC-5	6/15/95	EPA8270	10	11.5	feet	Naphthalene	0	µg/kg
HC-5	6/15/95	EPA8270	10	11.5	feet	Benzo(b)fluoranthene	0	µg/kg
HC-5	6/15/95	EPA8270	10	11.5	feet	Benzo(g,h,i)perylene	0	µg/kg
HC-5	6/15/95	EPA8270	10	11.5	feet	Anthracene	0	µg/kg
HC-5	6/15/95	EPA8270	12.5	14	feet	Naphthalene	280,000	µg/kg
HC-5	6/15/95	EPA8270	12.5	14	feet	Phenanthrene	130,000	µg/kg
HC-5	6/15/95	EPA8270	12.5	14	feet	Fluorene	50,000	µg/kg
HC-5	6/15/95	EPA8270	12.5	14	feet	Indeno(1,2,3-cd)pyrene	6,100	µg/kg
HC-5	6/15/95	EPA8270	12.5	14	feet	Fluoranthene	85,000	µg/kg
HC-5	6/15/95	EPA8270	12.5	14	feet	Pyrene	65,000	µg/kg
HC-5	6/15/95	EPA8270	12.5	14	feet	Benzo(g,h,i)perylene	5,800	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
HC-5	6/15/95	EPA8270	12.5	14	feet	Benzo(a)anthracene	18,000		µg/kg
HC-5	6/15/95	EPA8270	12.5	14	feet	Benzo(a)pyrene	11,000		µg/kg
HC-5	6/15/95	EPA8270	12.5	14	feet	Benzo(b)fluoranthene	9,800		µg/kg
HC-5	6/15/95	EPA8270	12.5	14	feet	Anthracene	80,000		µg/kg
HC-5	6/15/95	EPA8270	12.5	14	feet	Acenaphthene	54,000		µg/kg
HC-5	6/15/95	EPA8270	12.5	14	feet	Acenaphthylene	5,300		µg/kg
HC-5	6/15/95	EPA8270	12.5	14	feet	Benzo(k)fluoranthene	8,200		µg/kg
HC-5	6/15/95	EPA8270	12.5	14	feet	2-Methylnaphthalene	98,000		µg/kg
HC-5	6/15/95	EPA8270	12.5	14	feet	Chrysene	20,000		µg/kg
HC-5	6/15/95	EPA8270	12.5	14	feet	Dibenz(a,h)anthracene	2,700	U	µg/kg
HC-5	6/15/95	EPA8270	17.5	19	feet	Acenaphthene	0		µg/kg
HC-5	6/15/95	EPA8270	17.5	19	feet	Pyrene	0		µg/kg
HC-5	6/15/95	EPA8270	17.5	19	feet	Phenanthrene	0		µg/kg
HC-5	6/15/95	EPA8270	17.5	19	feet	Fluoranthene	0		µg/kg
HC-5	6/15/95	EPA8270	17.5	19	feet	2-Methylnaphthalene	0		µg/kg
HC-5	6/15/95	EPA8270	17.5	19	feet	Anthracene	0		µg/kg
HC-5	6/15/95	EPA8270	17.5	19	feet	Benzo(a)pyrene	0		µg/kg
HC-5	6/15/95	EPA8270	17.5	19	feet	Fluorene	0		µg/kg
HC-5	6/15/95	EPA8270	17.5	19	feet	Acenaphthylene	0		µg/kg
HC-5	6/15/95	EPA8270	17.5	19	feet	Benzo(a)anthracene	0		µg/kg
HC-5	6/15/95	EPA8270	17.5	19	feet	Chrysene	0		µg/kg
HC-5	6/15/95	EPA8270	17.5	19	feet	Benzo(k)fluoranthene	0		µg/kg
HC-5	6/15/95	EPA8270	17.5	19	feet	Benzo(g,h,i)perylene	0		µg/kg
HC-5	6/15/95	EPA8270	17.5	19	feet	Indeno(1,2,3-cd)pyrene	0		µg/kg
HC-5	6/15/95	EPA8270	17.5	19	feet	Benzo(b)fluoranthene	0		µg/kg
HC-5	6/15/95	EPA8270	17.5	19	feet	Naphthalene	0		µg/kg
HC-5	6/15/95	EPA8270	17.5	19	feet	Dibenz(a,h)anthracene	0		µg/kg
HC-6	6/15/95	EPA8270	2.5	4	feet	Phenanthrene			µg/kg
HC-6	6/15/95	EPA8270	2.5	4	feet	Chrysene			µg/kg
HC-6	6/15/95	EPA8270	2.5	4	feet	Benzo(a)pyrene			µg/kg
HC-6	6/15/95	EPA8270	2.5	4	feet	Benzo(a)anthracene			µg/kg
HC-6	6/15/95	EPA8270	2.5	4	feet	Benzo(b)fluoranthene			µg/kg
HC-6	6/15/95	EPA8270	2.5	4	feet	Benzo(g,h,i)perylene			µg/kg
HC-6	6/15/95	EPA8270	2.5	4	feet	Benzo(k)fluoranthene			µg/kg
HC-6	6/15/95	EPA8270	2.5	4	feet	Dibenz(a,h)anthracene			µg/kg
HC-6	6/15/95	EPA8270	2.5	4	feet	Fluoranthene			µg/kg
HC-6	6/15/95	EPA8270	2.5	4	feet	Fluorene			µg/kg
HC-6	6/15/95	EPA8270	2.5	4	feet	Naphthalene			µg/kg
HC-6	6/15/95	EPA8270	2.5	4	feet	Pyrene			µg/kg
HC-6	6/15/95	EPA8270	2.5	4	feet	Anthracene			µg/kg
HC-6	6/15/95	EPA8270	2.5	4	feet	Indeno(1,2,3-cd)pyrene			µg/kg
HC-6	6/15/95	EPA8270	2.5	4	feet	Acenaphthylene			µg/kg
HC-6	6/15/95	EPA8270	2.5	4	feet	2-Methylnaphthalene			µg/kg
HC-6	6/15/95	EPA8270	2.5	4	feet	Acenaphthene			µg/kg
HC-6	6/15/95	EPA8270	7.5	9	feet	Chrysene			µg/kg
HC-6	6/15/95	EPA8270	7.5	9	feet	Benzo(k)fluoranthene			µg/kg
HC-6	6/15/95	EPA8270	7.5	9	feet	Acenaphthene			µg/kg
HC-6	6/15/95	EPA8270	7.5	9	feet	Dibenz(a,h)anthracene			µg/kg
HC-6	6/15/95	EPA8270	7.5	9	feet	Benzo(g,h,i)perylene			µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
HC-6	6/15/95	EPA8270	7.5	9	feet	Fluoranthene			µg/kg
HC-6	6/15/95	EPA8270	7.5	9	feet	Fluorene			µg/kg
HC-6	6/15/95	EPA8270	7.5	9	feet	Benzo(b)fluoranthene			µg/kg
HC-6	6/15/95	EPA8270	7.5	9	feet	Indeno(1,2,3-cd)pyrene			µg/kg
HC-6	6/15/95	EPA8270	7.5	9	feet	Naphthalene			µg/kg
HC-6	6/15/95	EPA8270	7.5	9	feet	Benzo(a)anthracene			µg/kg
HC-6	6/15/95	EPA8270	7.5	9	feet	Anthracene			µg/kg
HC-6	6/15/95	EPA8270	7.5	9	feet	Pyrene			µg/kg
HC-6	6/15/95	EPA8270	7.5	9	feet	Phenanthrene			µg/kg
HC-6	6/15/95	EPA8270	7.5	9	feet	2-Methylnaphthalene			µg/kg
HC-6	6/15/95	EPA8270	7.5	9	feet	Acenaphthylene			µg/kg
HC-6	6/15/95	EPA8270	7.5	9	feet	Benzo(a)pyrene			µg/kg
HC-6	6/15/95	EPA8270	11.5	13	feet	2-Methylnaphthalene			µg/kg
HC-6	6/15/95	EPA8270	11.5	13	feet	Fluoranthene			µg/kg
HC-6	6/15/95	EPA8270	11.5	13	feet	Indeno(1,2,3-cd)pyrene			µg/kg
HC-6	6/15/95	EPA8270	11.5	13	feet	Acenaphthene			µg/kg
HC-6	6/15/95	EPA8270	11.5	13	feet	Fluorene			µg/kg
HC-6	6/15/95	EPA8270	11.5	13	feet	Dibenz(a,h)anthracene			µg/kg
HC-6	6/15/95	EPA8270	11.5	13	feet	Phenanthrene			µg/kg
HC-6	6/15/95	EPA8270	11.5	13	feet	Chrysene			µg/kg
HC-6	6/15/95	EPA8270	11.5	13	feet	Pyrene			µg/kg
HC-6	6/15/95	EPA8270	11.5	13	feet	Naphthalene			µg/kg
HC-6	6/15/95	EPA8270	11.5	13	feet	Benzo(a)anthracene			µg/kg
HC-6	6/15/95	EPA8270	11.5	13	feet	Benzo(k)fluoranthene			µg/kg
HC-6	6/15/95	EPA8270	11.5	13	feet	Benzo(a)pyrene			µg/kg
HC-6	6/15/95	EPA8270	11.5	13	feet	Benzo(g,h,i)perylene			µg/kg
HC-6	6/15/95	EPA8270	11.5	13	feet	Benzo(b)fluoranthene			µg/kg
HC-6	6/15/95	EPA8270	11.5	13	feet	Anthracene			µg/kg
HC-6	6/15/95	EPA8270	11.5	13	feet	Acenaphthylene			µg/kg
HC-6	6/15/95	EPA8270	14.5	16	feet	Fluoranthene			µg/kg
HC-6	6/15/95	EPA8270	14.5	16	feet	Benzo(a)anthracene			µg/kg
HC-6	6/15/95	EPA8270	14.5	16	feet	Indeno(1,2,3-cd)pyrene			µg/kg
HC-6	6/15/95	EPA8270	14.5	16	feet	Benzo(a)pyrene			µg/kg
HC-6	6/15/95	EPA8270	14.5	16	feet	2-Methylnaphthalene			µg/kg
HC-6	6/15/95	EPA8270	14.5	16	feet	Fluorene			µg/kg
HC-6	6/15/95	EPA8270	14.5	16	feet	Phenanthrene			µg/kg
HC-6	6/15/95	EPA8270	14.5	16	feet	Naphthalene			µg/kg
HC-6	6/15/95	EPA8270	14.5	16	feet	Anthracene			µg/kg
HC-6	6/15/95	EPA8270	14.5	16	feet	Benzo(b)fluoranthene			µg/kg
HC-6	6/15/95	EPA8270	14.5	16	feet	Acenaphthylene			µg/kg
HC-6	6/15/95	EPA8270	14.5	16	feet	Pyrene			µg/kg
HC-6	6/15/95	EPA8270	14.5	16	feet	Dibenz(a,h)anthracene			µg/kg
HC-6	6/15/95	EPA8270	14.5	16	feet	Benzo(g,h,i)perylene			µg/kg
HC-6	6/15/95	EPA8270	14.5	16	feet	Chrysene			µg/kg
HC-6	6/15/95	EPA8270	14.5	16	feet	Acenaphthene			µg/kg
HC-6	6/15/95	EPA8270	14.5	16	feet	Benzo(k)fluoranthene			µg/kg
HC-6	6/15/95	EPA8270	17.5	19	feet	Anthracene	84	U	µg/kg
HC-6	6/15/95	EPA8270	17.5	19	feet	Benzo(k)fluoranthene	84	U	µg/kg
HC-6	6/15/95	EPA8270	17.5	19	feet	Indeno(1,2,3-cd)pyrene	84	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
HC-6	6/15/95	EPA8270	17.5	19	feet	Pyrene	84	U	µg/kg
HC-6	6/15/95	EPA8270	17.5	19	feet	Naphthalene	84	U	µg/kg
HC-6	6/15/95	EPA8270	17.5	19	feet	Phenanthrene	84	U	µg/kg
HC-6	6/15/95	EPA8270	17.5	19	feet	Dibenz(a,h)anthracene	84	U	µg/kg
HC-6	6/15/95	EPA8270	17.5	19	feet	Benzo(a)anthracene	84	U	µg/kg
HC-6	6/15/95	EPA8270	17.5	19	feet	Chrysene	84	U	µg/kg
HC-6	6/15/95	EPA8270	17.5	19	feet	Benzo(g,h,i)perylene	84	U	µg/kg
HC-6	6/15/95	EPA8270	17.5	19	feet	Acenaphthene	84	U	µg/kg
HC-6	6/15/95	EPA8270	17.5	19	feet	Benzo(b)fluoranthene	84	U	µg/kg
HC-6	6/15/95	EPA8270	17.5	19	feet	Fluoranthene	84	U	µg/kg
HC-6	6/15/95	EPA8270	17.5	19	feet	2-Methylnaphthalene	84	U	µg/kg
HC-6	6/15/95	EPA8270	17.5	19	feet	Benzo(a)pyrene	84	U	µg/kg
HC-6	6/15/95	EPA8270	17.5	19	feet	Fluorene	84	U	µg/kg
HC-6	6/15/95	EPA8270	17.5	19	feet	Acenaphthylene	84	U	µg/kg
HC-7	6/15/95	EPA8270	2.5	4	feet	Benzo(g,h,i)perylene	76	U	µg/kg
HC-7	6/15/95	EPA8270	2.5	4	feet	Fluoranthene	76	U	µg/kg
HC-7	6/15/95	EPA8270	2.5	4	feet	Benzo(b)fluoranthene	76	U	µg/kg
HC-7	6/15/95	EPA8270	2.5	4	feet	Anthracene	76	U	µg/kg
HC-7	6/15/95	EPA8270	2.5	4	feet	Benzo(a)pyrene	76	U	µg/kg
HC-7	6/15/95	EPA8270	2.5	4	feet	Dibenz(a,h)anthracene	76	U	µg/kg
HC-7	6/15/95	EPA8270	2.5	4	feet	Indeno(1,2,3-cd)pyrene	76	U	µg/kg
HC-7	6/15/95	EPA8270	2.5	4	feet	Acenaphthylene	76	U	µg/kg
HC-7	6/15/95	EPA8270	2.5	4	feet	Pyrene	76	U	µg/kg
HC-7	6/15/95	EPA8270	2.5	4	feet	Fluorene	76	U	µg/kg
HC-7	6/15/95	EPA8270	2.5	4	feet	Naphthalene	76	U	µg/kg
HC-7	6/15/95	EPA8270	2.5	4	feet	Acenaphthene	76	U	µg/kg
HC-7	6/15/95	EPA8270	2.5	4	feet	Benzo(k)fluoranthene	76	U	µg/kg
HC-7	6/15/95	EPA8270	2.5	4	feet	Chrysene	76	U	µg/kg
HC-7	6/15/95	EPA8270	2.5	4	feet	Phenanthrene	76	U	µg/kg
HC-7	6/15/95	EPA8270	2.5	4	feet	2-Methylnaphthalene	76	U	µg/kg
HC-7	6/15/95	EPA8270	2.5	4	feet	Benzo(a)anthracene	76	U	µg/kg
HC-7	6/15/95	EPA8270	5	6.5	feet	Dibenz(a,h)anthracene			µg/kg
HC-7	6/15/95	EPA8270	5	6.5	feet	Benzo(b)fluoranthene			µg/kg
HC-7	6/15/95	EPA8270	5	6.5	feet	Chrysene			µg/kg
HC-7	6/15/95	EPA8270	5	6.5	feet	Benzo(k)fluoranthene			µg/kg
HC-7	6/15/95	EPA8270	5	6.5	feet	Fluoranthene			µg/kg
HC-7	6/15/95	EPA8270	5	6.5	feet	Benzo(a)pyrene			µg/kg
HC-7	6/15/95	EPA8270	5	6.5	feet	Benzo(g,h,i)perylene			µg/kg
HC-7	6/15/95	EPA8270	5	6.5	feet	Acenaphthylene			µg/kg
HC-7	6/15/95	EPA8270	5	6.5	feet	2-Methylnaphthalene			µg/kg
HC-7	6/15/95	EPA8270	5	6.5	feet	Pyrene			µg/kg
HC-7	6/15/95	EPA8270	5	6.5	feet	Benzo(a)anthracene			µg/kg
HC-7	6/15/95	EPA8270	5	6.5	feet	Indeno(1,2,3-cd)pyrene			µg/kg
HC-7	6/15/95	EPA8270	5	6.5	feet	Acenaphthene			µg/kg
HC-7	6/15/95	EPA8270	5	6.5	feet	Anthracene			µg/kg
HC-7	6/15/95	EPA8270	5	6.5	feet	Naphthalene			µg/kg
HC-7	6/15/95	EPA8270	5	6.5	feet	Fluorene			µg/kg
HC-7	6/15/95	EPA8270	5	6.5	feet	Phenanthrene			µg/kg
HC-7	6/15/95	EPA8270	7.5	9	feet	Chrysene			µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
HC-7	8/15/95	EPA8270	7.5	9	feet	Phenanthrene			µg/kg
HC-7	8/15/95	EPA8270	7.5	9	feet	Pyrene			µg/kg
HC-7	8/15/95	EPA8270	7.5	9	feet	Dibenz(a,h)anthracene			µg/kg
HC-7	8/15/95	EPA8270	7.5	9	feet	Indeno(1,2,3-cd)pyrene			µg/kg
HC-7	8/15/95	EPA8270	7.5	9	feet	Fluoranthene			µg/kg
HC-7	8/15/95	EPA8270	7.5	9	feet	Fluorene			µg/kg
HC-7	8/15/95	EPA8270	7.5	9	feet	Naphthalene			µg/kg
HC-7	8/15/95	EPA8270	7.5	9	feet	Acenaphthylene			µg/kg
HC-7	8/15/95	EPA8270	7.5	9	feet	Benzo(k)fluoranthene			µg/kg
HC-7	8/15/95	EPA8270	7.5	9	feet	2-Methylnaphthalene			µg/kg
HC-7	8/15/95	EPA8270	7.5	9	feet	Benzo(a)pyrene			µg/kg
HC-7	8/15/95	EPA8270	7.5	9	feet	Benzo(g,h,i)perylene			µg/kg
HC-7	8/15/95	EPA8270	7.5	9	feet	Anthracene			µg/kg
HC-7	8/15/95	EPA8270	7.5	9	feet	Acenaphthene			µg/kg
HC-7	8/15/95	EPA8270	7.5	9	feet	Benzo(a)anthracene			µg/kg
HC-7	8/15/95	EPA8270	7.5	9	feet	Benzo(b)fluoranthene			µg/kg
HC-7	8/15/95	EPA8270	10	11.5	feet	Fluorene			µg/kg
HC-7	8/15/95	EPA8270	10	11.5	feet	Anthracene			µg/kg
HC-7	8/15/95	EPA8270	10	11.5	feet	Indeno(1,2,3-cd)pyrene			µg/kg
HC-7	8/15/95	EPA8270	10	11.5	feet	Naphthalene			µg/kg
HC-7	8/15/95	EPA8270	10	11.5	feet	Acenaphthene			µg/kg
HC-7	8/15/95	EPA8270	10	11.5	feet	Benzo(k)fluoranthene			µg/kg
HC-7	8/15/95	EPA8270	10	11.5	feet	2-Methylnaphthalene			µg/kg
HC-7	8/15/95	EPA8270	10	11.5	feet	Pyrene			µg/kg
HC-7	8/15/95	EPA8270	10	11.5	feet	Acenaphthylene			µg/kg
HC-7	8/15/95	EPA8270	10	11.5	feet	Chrysene			µg/kg
HC-7	8/15/95	EPA8270	10	11.5	feet	Phenanthrene			µg/kg
HC-7	8/15/95	EPA8270	10	11.5	feet	Benzo(a)anthracene			µg/kg
HC-7	8/15/95	EPA8270	10	11.5	feet	Fluoranthene			µg/kg
HC-7	8/15/95	EPA8270	10	11.5	feet	Benzo(a)pyrene			µg/kg
HC-7	8/15/95	EPA8270	10	11.5	feet	Benzo(g,h,i)perylene			µg/kg
HC-7	8/15/95	EPA8270	10	11.5	feet	Dibenz(a,h)anthracene			µg/kg
HC-7	8/15/95	EPA8270	10	11.5	feet	Benzo(b)fluoranthene			µg/kg
HC-7	8/15/95	EPA8270	12.5	14	feet	Benzo(a)pyrene	750,000		µg/kg
HC-7	8/15/95	EPA8270	12.5	14	feet	Benzo(k)fluoranthene	420,000		µg/kg
HC-7	8/15/95	EPA8270	12.5	14	feet	Benzo(g,h,i)perylene	480,000		µg/kg
HC-7	8/15/95	EPA8270	12.5	14	feet	Phenanthrene	7,800,000		µg/kg
HC-7	8/15/95	EPA8270	12.5	14	feet	Chrysene	850,000		µg/kg
HC-7	8/15/95	EPA8270	12.5	14	feet	Pyrene	4,400,000		µg/kg
HC-7	8/15/95	EPA8270	12.5	14	feet	Anthracene	1,300,000		µg/kg
HC-7	8/15/95	EPA8270	12.5	14	feet	Fluoranthene	2,700,000		µg/kg
HC-7	8/15/95	EPA8270	12.5	14	feet	2-Methylnaphthalene	5,200,000		µg/kg
HC-7	8/15/95	EPA8270	12.5	14	feet	Benzo(a)anthracene	1,200,000	U	µg/kg
HC-7	8/15/95	EPA8270	12.5	14	feet	Naphthalene	11,000,00		µg/kg
HC-7	8/15/95	EPA8270	12.5	14	feet	Fluorene	2,500,000		µg/kg
HC-7	8/15/95	EPA8270	12.5	14	feet	Dibenz(a,h)anthracene	180,000		µg/kg
HC-7	8/15/95	EPA8270	12.5	14	feet	Acenaphthylene	20,000		µg/kg
HC-7	8/15/95	EPA8270	12.5	14	feet	Indeno(1,2,3-cd)pyrene	400,000		µg/kg
HC-7	8/15/95	EPA8270	12.5	14	feet	Benzo(b)fluoranthene	620,000		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
HC-7	6/15/95	EPA8270	12.5	14	feet	Acenaphthene	3,200,000		µg/kg
HC-8	6/15/95	EPA8270	5	6.5	feet	Fluorene	37,000		µg/kg
HC-8	6/15/95	EPA8270	5	6.5	feet	Benzo(a)anthracene	26,000		µg/kg
HC-8	6/15/95	EPA8270	5	6.5	feet	Indeno(1,2,3-cd)pyrene	10,000		µg/kg
HC-8	6/15/95	EPA8270	5	6.5	feet	Anthracene	36,000		µg/kg
HC-8	6/15/95	EPA8270	5	6.5	feet	Naphthalene	75,000		µg/kg
HC-8	6/15/95	EPA8270	5	6.5	feet	Benzo(b)fluoranthene	12,000		µg/kg
HC-8	6/15/95	EPA8270	5	6.5	feet	Acenaphthylene	770	U	µg/kg
HC-8	6/15/95	EPA8270	5	6.5	feet	Benzo(g,h,i)perylene	14,000		µg/kg
HC-8	6/15/95	EPA8270	5	6.5	feet	Benzo(a)pyrene	23,000		µg/kg
HC-8	6/15/95	EPA8270	5	6.5	feet	2-Methylnaphthalene	37,000		µg/kg
HC-8	6/15/95	EPA8270	5	6.5	feet	Phenanthrene	170,000		µg/kg
HC-8	6/15/95	EPA8270	5	6.5	feet	Benzo(k)fluoranthene	13,000		µg/kg
HC-8	6/15/95	EPA8270	5	6.5	feet	Pyrene	120,000		µg/kg
HC-8	6/15/95	EPA8270	5	6.5	feet	Dibenz(a,h)anthracene	4,400		µg/kg
HC-8	6/15/95	EPA8270	5	6.5	feet	Chrysene	33,000		µg/kg
HC-8	6/15/95	EPA8270	8	8.5	feet	Acenaphthene	56,000		µg/kg
HC-8	6/15/95	EPA8270	8	8.5	feet	Fluoranthene	61,000		µg/kg
HC-8	6/15/95	EPA8270	10	11.5	feet	Benzo(a)pyrene	1,500	U	µg/kg
HC-8	6/15/95	EPA8270	10	11.5	feet	Fluoranthene	9,400		µg/kg
HC-8	6/15/95	EPA8270	10	11.5	feet	Dibenz(a,h)anthracene	1,500	U	µg/kg
HC-8	6/15/95	EPA8270	10	11.5	feet	Benzo(b)fluoranthene	1,500	U	µg/kg
HC-8	6/15/95	EPA8270	10	11.5	feet	Benzo(g,h,i)perylene	1,500	U	µg/kg
HC-8	6/15/95	EPA8270	10	11.5	feet	Chrysene	2,700		µg/kg
HC-8	6/15/95	EPA8270	10	11.5	feet	Benzo(k)fluoranthene	1,500	U	µg/kg
HC-8	6/15/95	EPA8270	10	11.5	feet	Fluorene	3,800		µg/kg
HC-8	6/15/95	EPA8270	10	11.5	feet	Indeno(1,2,3-cd)pyrene	1,500	U	µg/kg
HC-8	6/15/95	EPA8270	10	11.5	feet	Phenanthrene	18,000		µg/kg
HC-8	6/15/95	EPA8270	10	11.5	feet	Benzo(a)anthracene	2,100		µg/kg
HC-8	6/15/95	EPA8270	10	11.5	feet	Pyrene	20,000		µg/kg
HC-8	6/15/95	EPA8270	10	11.5	feet	2-Methylnaphthalene	1,500	U	µg/kg
HC-8	6/15/95	EPA8270	10	11.5	feet	Anthracene	4,100		µg/kg
HC-8	6/15/95	EPA8270	10	11.5	feet	Naphthalene	1,500	U	µg/kg
HC-8	6/15/95	EPA8270	10	11.5	feet	Acenaphthylene	1,500	U	µg/kg
HC-8	6/15/95	EPA8270	10	11.5	feet	Acenaphthene	8,000		µg/kg
HC-8	6/15/95	EPA8270	15	16.5	feet	Fluoranthene			µg/kg
HC-8	6/15/95	EPA8270	15	16.5	feet	2-Methylnaphthalene			µg/kg
HC-8	6/15/95	EPA8270	15	16.5	feet	Dibenz(a,h)anthracene			µg/kg
HC-8	6/15/95	EPA8270	15	16.5	feet	Acenaphthene			µg/kg
HC-8	6/15/95	EPA8270	15	16.5	feet	Fluorene			µg/kg
HC-8	6/15/95	EPA8270	15	16.5	feet	Chrysene			µg/kg
HC-8	6/15/95	EPA8270	15	16.5	feet	Pyrene			µg/kg
HC-8	6/15/95	EPA8270	16	16.5	feet	Benzo(g,h,i)perylene			µg/kg
HC-8	6/15/95	EPA8270	15	16.5	feet	Naphthalene			µg/kg
HC-8	6/15/95	EPA8270	15	16.5	feet	Benzo(b)fluoranthene			µg/kg
HC-8	6/15/95	EPA8270	15	16.5	feet	Benzo(a)anthracene			µg/kg
HC-8	6/15/95	EPA8270	15	16.5	feet	Acenaphthylene			µg/kg
HC-8	6/15/95	EPA8270	15	16.5	feet	Anthracene			µg/kg
HC-8	6/15/95	EPA8270	15	16.5	feet	Benzo(k)fluoranthene			µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
HC-8	6/15/95	EPA8270	15	16.5	feet	Indeno(1,2,3-cd)pyrene			µg/kg
HC-8	6/15/95	EPA8270	15	16.5	feet	Benzo(a)pyrene			µg/kg
HC-8	6/15/95	EPA8270	15	16.5	feet	Phenanthrene			µg/kg
HC-8	6/15/95	EPA8270	25	26.5	feet	Indeno(1,2,3-cd)pyrene	79	U	µg/kg
HC-8	6/15/95	EPA8270	25	26.5	feet	Fluorene	83		µg/kg
HC-8	6/15/95	EPA8270	25	26.5	feet	Phenanthrene	510		µg/kg
HC-8	6/15/95	EPA8270	25	26.5	feet	Pyrene	370		µg/kg
HC-8	6/15/95	EPA8270	25	26.5	feet	Fluoranthene	310		µg/kg
HC-8	6/15/95	EPA8270	25	26.5	feet	Naphthalene	79	U	µg/kg
HC-8	6/15/95	EPA8270	25	26.5	feet	Benzo(g,h,i)perylene	79	U	µg/kg
HC-8	6/15/95	EPA8270	25	26.5	feet	Benzo(a)anthracene	79	U	µg/kg
HC-8	6/15/95	EPA8270	25	26.5	feet	Dibenz(a,h)anthracene	79	U	µg/kg
HC-8	6/15/95	EPA8270	25	26.5	feet	Chrysene	92		µg/kg
HC-8	6/15/95	EPA8270	25	26.5	feet	2-Methylnaphthalene	79	U	µg/kg
HC-8	6/15/95	EPA8270	25	26.5	feet	Benzo(a)pyrene	79	U	µg/kg
HC-8	6/15/95	EPA8270	25	26.5	feet	Benzo(k)fluoranthene	79	U	µg/kg
HC-8	6/15/95	EPA8270	25	26.5	feet	Anthracene	92		µg/kg
HC-8	6/15/95	EPA8270	25	26.5	feet	Acenaphthylene	79	U	µg/kg
HC-8	6/15/95	EPA8270	25	26.5	feet	Benzo(b)fluoranthene	79	U	µg/kg
HC-8	6/15/95	EPA8270	25	26.5	feet	Acenaphthene	130		µg/kg
HC-8	6/15/95	EPA8270	35	36.5	feet	Acenaphthylene	79	U	µg/kg
HC-8	6/15/95	EPA8270	35	36.5	feet	Anthracene	79	U	µg/kg
HC-8	6/15/95	EPA8270	35	36.5	feet	Pyrene	79	U	µg/kg
HC-8	6/15/95	EPA8270	35	36.5	feet	2-Methylnaphthalene	79	U	µg/kg
HC-8	6/15/95	EPA8270	35	36.5	feet	Naphthalene	79	U	µg/kg
HC-8	6/15/95	EPA8270	35	36.5	feet	Fluoranthene	79	U	µg/kg
HC-8	6/15/95	EPA8270	35	36.5	feet	Acenaphthene	79	U	µg/kg
HC-8	6/15/95	EPA8270	35	36.5	feet	Chrysene	79	U	µg/kg
HC-8	6/15/95	EPA8270	35	36.5	feet	Phenanthrene	79	U	µg/kg
HC-8	6/15/95	EPA8270	35	36.5	feet	Fluorene	79	U	µg/kg
HC-8	6/15/95	EPA8270	35	36.5	feet	Benzo(k)fluoranthene	79	U	µg/kg
HC-8	6/15/95	EPA8270	35	36.5	feet	Benzo(g,h,i)perylene	79	U	µg/kg
HC-8	6/15/95	EPA8270	35	36.5	feet	Indeno(1,2,3-cd)pyrene	79	U	µg/kg
HC-8	6/15/95	EPA8270	35	36.5	feet	Benzo(b)fluoranthene	79	U	µg/kg
HC-8	6/15/95	EPA8270	35	36.5	feet	Benzo(a)pyrene	79	U	µg/kg
HC-8	6/15/95	EPA8270	35	36.5	feet	Benzo(a)anthracene	79	U	µg/kg
HC-8	6/15/95	EPA8270	35	36.5	feet	Dibenz(a,h)anthracene	79	U	µg/kg
TP-1	6/13/95	EPA8270	6.5	7	feet	Indeno(1,2,3-cd)pyrene	1,200		µg/kg
TP-1	6/13/95	EPA8270	6.5	7	feet	Benzo(k)fluoranthene	3,800		µg/kg
TP-1	6/13/95	EPA8270	6.5	7	feet	Pyrene	38,000		µg/kg
TP-1	6/13/95	EPA8270	6.5	7	feet	Naphthalene	26,000		µg/kg
TP-1	6/13/95	EPA8270	6.5	7	feet	Fluorene	21,000		µg/kg
TP-1	6/13/95	EPA8270	6.5	7	feet	Fluoranthene	49,000		µg/kg
TP-1	6/13/95	EPA8270	6.5	7	feet	Dibenz(a,h)anthracene	520	U	µg/kg
TP-1	6/13/95	EPA8270	6.5	7	feet	Chrysene	8,900		µg/kg
TP-1	6/13/95	EPA8270	6.5	7	feet	Phenanthrene	44,000		µg/kg
TP-1	6/13/95	EPA8270	6.5	7	feet	Benzo(g,h,i)perylene	1,100		µg/kg
TP-1	6/13/95	EPA8270	6.5	7	feet	Acenaphthene	28,000		µg/kg
TP-1	6/13/95	EPA8270	6.5	7	feet	Acenaphthylene	520	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
TP-1	6/13/95	EPA8270	6.5	7	feet	2-Methylnaphthalene	3,400		µg/kg
TP-1	6/13/95	EPA8270	6.5	7	feet	Anthracene	6,400		µg/kg
TP-1	6/13/95	EPA8270	6.5	7	feet	Benzo(a)anthracene	10,000		µg/kg
TP-1	6/13/95	EPA8270	6.5	7	feet	Benzo(a)pyrene	4,300		µg/kg
TP-1	6/13/95	EPA8270	6.5	7	feet	Benzo(b)fluoranthene	4,800		µg/kg
TP-2	6/13/95	EPA8270	3.5	4	feet	Naphthalene	3,900		µg/kg
TP-2	6/13/95	EPA8270	3.5	4	feet	Benzo(k)fluoranthene	75,000		µg/kg
TP-2	6/13/95	EPA8270	3.5	4	feet	Indeno(1,2,3-cd)pyrene	120,000		µg/kg
TP-2	6/13/95	EPA8270	3.5	4	feet	Fluorene	1,600		µg/kg
TP-2	6/13/95	EPA8270	3.5	4	feet	Fluoranthene	25,000		µg/kg
TP-2	6/13/95	EPA8270	3.5	4	feet	Dibenz(a,h)anthracene	29,000		µg/kg
TP-2	6/13/95	EPA8270	3.5	4	feet	Chrysene	80,000		µg/kg
TP-2	6/13/95	EPA8270	3.5	4	feet	Phenanthrene	18,000		µg/kg
TP-2	6/13/95	EPA8270	3.5	4	feet	Benzo(b)fluoranthene	140,000		µg/kg
TP-2	6/13/95	EPA8270	3.5	4	feet	Benzo(a)pyrene	160,000		µg/kg
TP-2	6/13/95	EPA8270	3.5	4	feet	Benzo(a)anthracene	37,000		µg/kg
TP-2	6/13/95	EPA8270	3.5	4	feet	Anthracene	3,500		µg/kg
TP-2	6/13/95	EPA8270	3.5	4	feet	Acenaphthylene	460	U	µg/kg
TP-2	6/13/95	EPA8270	3.5	4	feet	Acenaphthene	2,100		µg/kg
TP-2	6/13/95	EPA8270	3.5	4	feet	2-Methylnaphthalene	1,800		µg/kg
TP-2	6/13/95	EPA8270	3.5	4	feet	Pyrene	35,000		µg/kg
TP-2	6/13/95	EPA8270	3.5	4	feet	Benzo(g,h,i)perylene	200,000		µg/kg
TP-4	6/13/95	EPA8270	8	8.5	feet	Fluoranthene	4,400,000		µg/kg
TP-4	6/13/95	EPA8270	8	8.5	feet	Indeno(1,2,3-cd)pyrene	1,600,000		µg/kg
TP-4	6/13/95	EPA8270	8	8.5	feet	Benzo(b)fluoranthene	1,700,000		µg/kg
TP-4	6/13/95	EPA8270	8	8.5	feet	Benzo(g,h,i)perylene	1,500,000		µg/kg
TP-4	6/13/95	EPA8270	8	8.5	feet	Fluorene	510,000		µg/kg
TP-4	6/13/95	EPA8270	8	8.5	feet	Benzo(a)pyrene	2,100,000		µg/kg
TP-4	6/13/95	EPA8270	8	8.5	feet	Chrysene	2,500,000		µg/kg
TP-4	6/13/95	EPA8270	8	8.5	feet	Acenaphthylene	150,000	U	µg/kg
TP-4	6/13/95	EPA8270	8	8.5	feet	Benzo(k)fluoranthene	1,400,000		µg/kg
TP-4	6/13/95	EPA8270	8	8.5	feet	Benzo(a)anthracene	1,500,000		µg/kg
TP-4	6/13/95	EPA8270	8	8.5	feet	Naphthalene	5,100,000		µg/kg
TP-4	6/13/95	EPA8270	8	8.5	feet	Anthracene	520,000		µg/kg
TP-4	6/13/95	EPA8270	8	8.5	feet	Pyrene	5,200,000		µg/kg
TP-4	6/13/95	EPA8270	8	8.5	feet	Phenanthrene	3,400,000		µg/kg
TP-4	6/13/95	EPA8270	8	8.5	feet	Acenaphthene	860,000		µg/kg
TP-4	6/13/95	EPA8270	8	8.5	feet	2-Methylnaphthalene	2,000,000		µg/kg
TP-4	6/13/95	EPA8270	8	8.5	feet	Dibenz(a,h)anthracene	310,000	U	µg/kg
TP-4	6/13/95	EPA8270	9.5	10	feet	Naphthalene	720,000		µg/kg
TP-4	6/13/95	EPA8270	9.5	10	feet	Indeno(1,2,3-cd)pyrene	40,000		µg/kg
TP-4	6/13/95	EPA8270	9.5	10	feet	Fluorene	68,000		µg/kg
TP-4	6/13/95	EPA8270	9.5	10	feet	Pyrene	150,000		µg/kg
TP-4	6/13/95	EPA8270	9.5	10	feet	Phenanthrene	230,000		µg/kg
TP-4	6/13/95	EPA8270	9.5	10	feet	Acenaphthene	82,000		µg/kg
TP-4	6/13/95	EPA8270	9.5	10	feet	Fluoranthene	130,000		µg/kg
TP-4	6/13/95	EPA8270	9.5	10	feet	Acenaphthylene	3,500		µg/kg
TP-4	6/13/95	EPA8270	9.5	10	feet	2-Methylnaphthalene	220,000		µg/kg
TP-4	6/13/95	EPA8270	9.5	10	feet	Anthracene	170,000		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
TP-4	6/13/95	EPA8270	9.5	10	feet	Benzo(a)anthracene	73,000		µg/kg
TP-4	6/13/95	EPA8270	9.5	10	feet	Benzo(a)pyrene	62,000		µg/kg
TP-4	6/13/95	EPA8270	9.5	10	feet	Benzo(b)fluoranthene	78,000		µg/kg
TP-4	6/13/95	EPA8270	9.5	10	feet	Benzo(g,h,i)perylene	53,000		µg/kg
TP-4	6/13/95	EPA8270	9.5	10	feet	Benzo(k)fluoranthene	83,000		µg/kg
TP-4	6/13/95	EPA8270	9.5	10	feet	Chrysene	110,000		µg/kg
TP-4	6/13/95	EPA8270	9.5	10	feet	Dibenz(a,h)anthracene	18,000		µg/kg
TP-4(1)	6/13/95	EPA8270	8	8.5	feet	Dibenz(a,h)anthracene	1,500	U	µg/kg
TP-4(1)	6/13/95	EPA8270	8	8.5	feet	Benzo(k)fluoranthene	5,000		µg/kg
TP-4(1)	6/13/95	EPA8270	8	8.5	feet	Phenanthrene	21,000		µg/kg
TP-4(1)	6/13/95	EPA8270	8	8.5	feet	Naphthalene	17,000		µg/kg
TP-4(1)	6/13/95	EPA8270	8	8.5	feet	Indeno(1,2,3-cd)pyrene	5,000		µg/kg
TP-4(1)	6/13/95	EPA8270	8	8.5	feet	Fluoranthene	14,000		µg/kg
TP-4(1)	6/13/95	EPA8270	8	8.5	feet	Chrysene	8,600		µg/kg
TP-4(1)	6/13/95	EPA8270	8	8.5	feet	Pyrene	16,000		µg/kg
TP-4(1)	6/13/95	EPA8270	8	8.5	feet	2-Methylnaphthalene	7,700		µg/kg
TP-4(1)	6/13/95	EPA8270	8	8.5	feet	Benzo(b)fluoranthene	5,100		µg/kg
TP-4(1)	6/13/95	EPA8270	8	8.5	feet	Benzo(a)pyrene	8,000		µg/kg
TP-4(1)	6/13/95	EPA8270	8	8.5	feet	Benzo(a)anthracene	4,900		µg/kg
TP-4(1)	6/13/95	EPA8270	8	8.5	feet	Anthracene	38,000		µg/kg
TP-4(1)	6/13/95	EPA8270	8	8.5	feet	Acenaphthylene	1,500	U	µg/kg
TP-4(1)	6/13/95	EPA8270	8	8.5	feet	Acenaphthene	11,000		µg/kg
TP-4(1)	6/13/95	EPA8270	8	8.5	feet	Fluorene	11,000		µg/kg
TP-4(1)	6/13/95	EPA8270	8	8.5	feet	Benzo(g,h,i)perylene	3,900		µg/kg
TP-5	6/13/95	EPA8270	7	8	feet	Dibenz(a,h)anthracene	84,500		µg/kg
TP-5	6/13/95	EPA8270	7	8	feet	Fluoranthene	110,000		µg/kg
TP-5	6/13/95	EPA8270	7	8	feet	Fluorene	46,000		µg/kg
TP-5	6/13/95	EPA8270	7	8	feet	Indeno(1,2,3-cd)pyrene	1,380,000		µg/kg
TP-5	6/13/95	EPA8270	7	8	feet	Chrysene	65,700		µg/kg
TP-5	6/13/95	EPA8270	7	8	feet	Phenanthrene	19,000		µg/kg
TP-5	6/13/95	EPA8270	7	8	feet	Anthracene	53,000		µg/kg
TP-5	6/13/95	EPA8270	7	8	feet	Naphthalene	320,000		µg/kg
TP-5	6/13/95	EPA8270	7	8	feet	Benzo(k)fluoranthene	2,400	U	µg/kg
TP-5	6/13/95	EPA8270	7	8	feet	Benzo(g,h,i)perylene	590,000		µg/kg
TP-5	6/13/95	EPA8270	7	8	feet	Benzo(b)fluoranthene	16,000		µg/kg
TP-5	6/13/95	EPA8270	7	8	feet	Benzo(a)anthracene	8,500		µg/kg
TP-5	6/13/95	EPA8270	7	8	feet	Acenaphthylene	56,000		µg/kg
TP-5	6/13/95	EPA8270	7	8	feet	Acenaphthene	3,900		µg/kg
TP-5	6/13/95	EPA8270	7	8	feet	2-Methylnaphthalene	11,000		µg/kg
TP-5	6/13/95	EPA8270	7	8	feet	Pyrene	8,800		µg/kg
TP-5	6/13/95	EPA8270	7	8	feet	Benzo(a)pyrene	19,500		µg/kg

2. TABLE TOTAL PAHS SOIL. SUMMARY OF TOTAL PAH CONCENTRATIONS IN SOIL

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
BH-1	5/17/83	Absorbance	0	1.5	feet	Total PAHs	20,000		µg/kg
BH-1	5/17/83	Absorbance	3	4.5	feet	Total PAHs	9,300,000		µg/kg
BH-1	5/17/83	Absorbance	4.5	6	feet	Total PAHs	48,000,000		µg/kg
BH-1	5/17/83	Absorbance	6	7.5	feet	Total PAHs	20,000	U	µg/kg
BH-1	5/17/83	Absorbance	7.5	9	feet	Total PAHs	10,000		µg/kg
BH-1	5/17/83	Absorbance	12.9	14.4	feet	Total PAHs	40,000		µg/kg
BH-1	5/17/83	Absorbance	18	19.5	feet	Total PAHs	90,000		µg/kg
BH-10	5/18/83	Absorbance	0	1.5	feet	Total PAHs	6,300,000		µg/kg
BH-10	5/18/83	Absorbance	1.5	3	feet	Total PAHs	90,000		µg/kg
BH-10	5/18/83	Absorbance	3	4.5	feet	Total PAHs	20,000		µg/kg
BH-10	5/18/83	Absorbance	4.5	6	feet	Total PAHs	20,000		µg/kg
BH-10	5/18/83	Absorbance	6	7.5	feet	Total PAHs	20,000		µg/kg
BH-10	5/18/83	Absorbance	12.9	14.4	feet	Total PAHs	10,000	U	µg/kg
BH-10	5/18/83	Absorbance	18	19.5	feet	Total PAHs	10,000	U	µg/kg
BH-11	5/18/83	Absorbance	0	1.5	feet	Total PAHs	70,000		µg/kg
BH-11	5/18/83	Absorbance	1.5	3	feet	Total PAHs	170,000		µg/kg
BH-11	5/18/83	Absorbance	3	4.5	feet	Total PAHs	20,000		µg/kg
BH-11	5/18/83	Absorbance	4.5	6	feet	Total PAHs	20,000		µg/kg
BH-11	5/18/83	Absorbance	6	7.5	feet	Total PAHs	30,000		µg/kg
BH-11	5/18/83	Absorbance	7.5	9	feet	Total PAHs	30,000		µg/kg
BH-11	5/18/83	Absorbance	12.9	14.4	feet	Total PAHs	10,000	U	µg/kg
BH-11	5/18/83	Absorbance	18	19.5	feet	Total PAHs	100,000		µg/kg
BH-12	5/17/83	Absorbance	1.5	3	feet	Total PAHs	40,000		µg/kg
BH-12	5/17/83	Absorbance	3	4.5	feet	Total PAHs	10,000	U	µg/kg
BH-12	5/17/83	Absorbance	4.5	6	feet	Total PAHs	10,000		µg/kg
BH-12	5/17/83	Absorbance	6	7.5	feet	Total PAHs	30,000		µg/kg
BH-12	5/17/83	Absorbance	12.9	14.4	feet	Total PAHs	10,000		µg/kg
BH-12	5/17/83	Absorbance	18	19.5	feet	Total PAHs	30,000		µg/kg
BH-12	5/17/83	Absorbance	21.9	23.4	feet	Total PAHs	10,000	U	µg/kg
BH-14	5/17/83	Absorbance	0	1.5	feet	Total PAHs	220,000		µg/kg
BH-14	5/17/83	Absorbance	3	4.5	feet	Total PAHs	70,000		µg/kg
BH-14	5/17/83	Absorbance	4.5	6	feet	Total PAHs	70,000		µg/kg
BH-14	5/17/83	Absorbance	6	7.5	feet	Total PAHs	10,000	U	µg/kg
BH-14	5/17/83	Absorbance	7.5	9	feet	Total PAHs	90,000		µg/kg
BH-14	5/17/83	Absorbance	12.9	14.4	feet	Total PAHs	10,000	U	µg/kg
BH-14	5/17/83	Absorbance	18	19.5	feet	Total PAHs	10,000	U	µg/kg
BH-15	5/17/83	Absorbance	0	1.5	feet	Total PAHs	40,000		µg/kg
BH-15	5/17/83	Absorbance	3	4.5	feet	Total PAHs	80,000		µg/kg
BH-15	5/17/83	Absorbance	4.5	6	feet	Total PAHs	20,000		µg/kg
BH-15	5/17/83	Absorbance	6	7.5	feet	Total PAHs	10,000	U	µg/kg
BH-15	5/17/83	Absorbance	7.5	9	feet	Total PAHs	10,000	U	µg/kg
BH-15	5/17/83	Absorbance	12.9	14.4	feet	Total PAHs	20,000		µg/kg
BH-15	5/17/83	Absorbance	18	19.5	feet	Total PAHs	10,000		µg/kg
BH-16	5/16/83	Absorbance	0	1.5	feet	Total PAHs	40,000		µg/kg
BH-16	5/16/83	Absorbance	1.9	3.4	feet	Total PAHs	11,000,000		µg/kg
BH-16	5/16/83	Absorbance	3.4	4.9	feet	Total PAHs	10,000		µg/kg
BH-16	5/16/83	Absorbance	4.9	6.4	feet	Total PAHs	10,000	U	µg/kg
BH-16	5/16/83	Absorbance	6.4	7.9	feet	Total PAHs			µg/kg
BH-16	5/16/83	Absorbance	7.9	9.4	feet	Total PAHs	10,000	U	µg/kg
BH-16	5/16/83	Absorbance	9.4	10.9	feet	Total PAHs	10,000	U	µg/kg
BH-16	5/16/83	Absorbance	12.9	14.4	feet	Total PAHs	10,000	U	µg/kg
BH-16	5/16/83	Absorbance	18	19.5	feet	Total PAHs	10,000	U	µg/kg
BH-17B	12/21/88	EPA8270	1.5	1.5	feet	Total PAHs (2)	317		µg/kg
BH-17B	12/21/88	Immunoassa	1.5	1.5	feet	Total PAHs	0		µg/kg
BH-17B	12/21/88	EPA8270	7.5	7.5	feet	Total PAHs (2)	0		µg/kg
BH-17B	12/21/88	Immunoassa	7.5	7.5	feet	Total PAHs	0		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
BH-17B	12/22/88	EPA8270	13.5	13.5	feet	Total PAHs (2)	0		ug/kg
BH-17B	12/22/88	Immunoassay	13.5	13.5	feet	Total PAHs	0		ug/kg
BH-17B	12/22/88	Immunoassay	16.5	16.5	feet	Total PAHs	0		ug/kg
BH-17B	12/22/88	EPA8270	16.5	16.5	feet	Total PAHs (2)	0		ug/kg
BH-17B	12/22/88	Immunoassay	23.5	23.5	feet	Total PAHs	0		ug/kg
BH-17B	12/22/88	EPA8270	23.5	23.5	feet	Total PAHs (2)	0		ug/kg
BH-18B	12/5/190C	Immunoassay	12.5	12.5	feet	Total PAHs	0		ug/kg
BH-18B	12/5/190C	EPA8270	12.5	12.5	feet	Total PAHs (2)	8,230		ug/kg
BH-18B	12/14/88	EPA8270	9	9	feet	Total PAHs (2)	201,190		ug/kg
BH-18B	12/14/88	Immunoassay	9	9	feet	Total PAHs	0		ug/kg
BH-18B	12/15/88	Immunoassay	17.5	17.5	feet	Total PAHs	0		ug/kg
BH-18B	12/15/88	EPA8270	17.5	17.5	feet	Total PAHs (2)	12,818		ug/kg
BH-18B	12/15/88	EPA8270	22.5	22.5	feet	Total PAHs (2)	0		ug/kg
BH-18B	12/15/88	Immunoassay	22.5	22.5	feet	Total PAHs	0		ug/kg
BH-18B	12/15/88	EPA8270	37.5	37.5	feet	Total PAHs (2)	320		ug/kg
BH-18B	12/15/88	Immunoassay	37.5	37.5	feet	Total PAHs	0		ug/kg
BH-19	12/19/88	EPA8270	3	3	feet	Total PAHs (2)	3,314,000		ug/kg
BH-19	12/19/88	Immunoassay	3	3	feet	Total PAHs	0		ug/kg
BH-19	12/19/88	EPA8270	5	5	feet	Total PAHs (2)	1,736,600		ug/kg
BH-19	12/19/88	Immunoassay	5	5	feet	Total PAHs	0		ug/kg
BH-19	12/19/88	EPA8270	12.5	12.5	feet	Total PAHs (2)	340		ug/kg
BH-19	12/19/88	Immunoassay	12.5	12.5	feet	Total PAHs	0		ug/kg
BH-19	12/19/88	Immunoassay	16	16	feet	Total PAHs	0		ug/kg
BH-19	12/19/88	EPA8270	16	16	feet	Total PAHs (2)	413		ug/kg
BH-2	5/17/83	Absorbance	0	1.5	feet	Total PAHs	10,000	U	ug/kg
BH-2	5/17/83	Absorbance	3	4.5	feet	Total PAHs	20,000		ug/kg
BH-2	5/17/83	Absorbance	4.5	6	feet	Total PAHs	30,000		ug/kg
BH-2	5/17/83	Absorbance	6	7.5	feet	Total PAHs	10,000	U	ug/kg
BH-2	5/17/83	Absorbance	7.5	9	feet	Total PAHs	10,000	U	ug/kg
BH-2	5/17/83	Absorbance	12.9	14.4	feet	Total PAHs	10,000		ug/kg
BH-2	5/17/83	Absorbance	18	19.5	feet	Total PAHs	10,000	U	ug/kg
BH-20B	12/19/88	EPA8270	3	3	feet	Total PAHs (2)	103,880		ug/kg
BH-20B	12/19/88	Immunoassay	3	3	feet	Total PAHs	0		ug/kg
BH-20B	12/19/88	Immunoassay	6	6	feet	Total PAHs	0		ug/kg
BH-20B	12/19/88	EPA8270	6	6	feet	Total PAHs (2)	73,892		ug/kg
BH-20B	12/20/88	EPA8270	12.5	12.5	feet	Total PAHs (2)	1,245		ug/kg
BH-20B	12/20/88	Immunoassay	12.5	12.5	feet	Total PAHs	0		ug/kg
BH-20B	12/20/88	EPA8270	17.5	17.5	feet	Total PAHs (2)	24,159		ug/kg
BH-20B	12/20/88	Immunoassay	17.5	17.5	feet	Total PAHs	0		ug/kg
BH-20B	12/20/88	Immunoassay	22.5	22.5	feet	Total PAHs	0		ug/kg
BH-20B	12/20/88	EPA8270	22.5	22.5	feet	Total PAHs (2)	2,117		ug/kg
BH-20B	12/20/88	EPA8270	27.5	27.5	feet	Total PAHs (2)	4,350		ug/kg
BH-20B	12/20/88	Immunoassay	27.5	27.5	feet	Total PAHs	0		ug/kg
BH-20B	12/20/88	EPA8270	32.5	32.5	feet	Total PAHs (2)	2,625		ug/kg
BH-20B	12/20/88	Immunoassay	32.5	32.5	feet	Total PAHs	0		ug/kg
BH-20B	12/20/88	EPA8270	37.5	37.5	feet	Total PAHs (2)	695		ug/kg
BH-20B	12/20/88	Immunoassay	37.5	37.5	feet	Total PAHs	0		ug/kg
BH-20B	12/20/88	EPA8270	42.5	42.5	feet	Total PAHs (2)	77		ug/kg
BH-20B	12/20/88	Immunoassay	42.5	42.5	feet	Total PAHs	0		ug/kg
BH-21B	12/8/88	EPA8270	0	0	feet	Total PAHs (2)	0		ug/kg
BH-21B	12/8/88	Immunoassay	0	0	feet	Total PAHs	0		ug/kg
BH-21B	12/23/88	EPA8270	3	3	feet	Total PAHs (2)	50		ug/kg
BH-21B	12/23/88	Immunoassay	3	3	feet	Total PAHs	0		ug/kg
BH-21B	12/23/88	EPA8270	9	9	feet	Total PAHs (2)	4,600		ug/kg
BH-21B	12/23/88	Immunoassay	9	9	feet	Total PAHs	0		ug/kg
BH-21B	12/23/88	Immunoassay	13.5	13.5	feet	Total PAHs	0		ug/kg
BH-21B	12/23/88	EPA8270	13.5	13.5	feet	Total PAHs (2)	359,020		ug/kg
BH-21B	12/23/88	Immunoassay	18.5	18.5	feet	Total PAHs	0		ug/kg
BH-21B	12/23/88	EPA8270	18.5	18.5	feet	Total PAHs (2)	52,720		ug/kg
BH-21B	12/23/88	Immunoassay	23.5	23.5	feet	Total PAHs	0		ug/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
BH-21B	12/23/88	EPA8270	23.5	23.5	feet	Total PAHs (2)	257		ug/kg
BH-21B	12/23/88	EPA8270	28	28	feet	Total PAHs (2)	0		ug/kg
BH-21B	12/23/88	Immunoassay	38	38	feet	Total PAHs	0		ug/kg
BH-21B	12/23/88	Immunoassay	38	38	feet	Total PAHs	0		ug/kg
BH-21B	12/23/88	EPA8270	38	38	feet	Total PAHs (2)	79		ug/kg
BH-22	12/6/88	Immunoassay	13	13	feet	Total PAHs	0		ug/kg
BH-22	12/6/88	EPA8270	13	13	feet	Total PAHs (2)	0		ug/kg
BH-22	12/6/88	EPA8270	18	18	feet	Total PAHs (2)	0		ug/kg
BH-22	12/6/88	Immunoassay	18	18	feet	Total PAHs	0		ug/kg
BH-22	12/6/88	EPA8270	23	23	feet	Total PAHs (2)	0		ug/kg
BH-22	12/6/88	Immunoassay	23	23	feet	Total PAHs	0		ug/kg
BH-22	12/6/88	EPA8270	28	28	feet	Total PAHs (2)	6,240		ug/kg
BH-22	12/6/88	Immunoassay	28	28	feet	Total PAHs	0		ug/kg
BH-23	12/28/88	EPA8270	1.5	1.5	feet	Total PAHs (2)	255		ug/kg
BH-23	12/28/88	Immunoassay	1.5	1.5	feet	Total PAHs	0		ug/kg
BH-23	12/28/88	EPA8270	7.5	7.5	feet	Total PAHs (2)	39,020		ug/kg
BH-23	12/28/88	Immunoassay	7.5	7.5	feet	Total PAHs	0		ug/kg
BH-23	12/28/88	Immunoassay	13	13	feet	Total PAHs	0		ug/kg
BH-23	12/28/88	EPA8270	13	13	feet	Total PAHs (2)	384,600		ug/kg
BH-23	12/28/88	EPA8270	18	18	feet	Total PAHs (2)	4,127,000		ug/kg
BH-23	12/28/88	Immunoassay	18	18	feet	Total PAHs	0		ug/kg
BH-23	12/28/88	Immunoassay	23	23	feet	Total PAHs	0		ug/kg
BH-23	12/28/88	EPA8270	23	23	feet	Total PAHs (2)	29,170		ug/kg
BH-24	7/31/90	EPA8270	2	4	feet	Total PAHs (2)	1,180		ug/kg
BH-24	7/31/90	Immunoassay	2	4	feet	Total PAHs	0		ug/kg
BH-24	7/31/90	Immunoassay	17	19	feet	Total PAHs	0		ug/kg
BH-24	7/31/90	EPA8270	17	19	feet	Total PAHs (2)	480		ug/kg
BH-24	7/31/90	EPA8270	22	24	feet	Total PAHs (2)	0		ug/kg
BH-24	7/31/90	Immunoassay	22	24	feet	Total PAHs	0		ug/kg
BH-25B	8/2/90	Immunoassay	4	6	feet	Total PAHs	0		ug/kg
BH-25B	8/2/90	EPA8270	4	6	feet	Total PAHs (2)	0		ug/kg
BH-25B	8/2/90	Immunoassay	8	10	feet	Total PAHs	0		ug/kg
BH-25B	8/2/90	EPA8270	8	10	feet	Total PAHs (2)	1,110		ug/kg
BH-25B	8/2/90	EPA8270	10	12	feet	Total PAHs (2)	220		ug/kg
BH-25B	8/2/90	Immunoassay	10	12	feet	Total PAHs	0		ug/kg
BH-25B	8/2/90	EPA8270	17	19	feet	Total PAHs (2)	2,220		ug/kg
BH-25B	8/2/90	Immunoassay	17	19	feet	Total PAHs	0		ug/kg
BH-25B	8/2/90	EPA8270	27	29	feet	Total PAHs (2)	3,830		ug/kg
BH-25B	8/2/90	Immunoassay	27	29	feet	Total PAHs	0		ug/kg
BH-26A	8/6/90	Immunoassay	2	4	feet	Total PAHs	0		ug/kg
BH-26A	8/6/90	EPA8270	2	4	feet	Total PAHs (2)	270		ug/kg
BH-26A	8/6/90	EPA8270	8	10	feet	Total PAHs (2)	0		ug/kg
BH-26A	8/6/90	Immunoassay	8	10	feet	Total PAHs	0		ug/kg
BH-26A	8/6/90	Immunoassay	10	12	feet	Total PAHs	0		ug/kg
BH-26A	8/6/90	EPA8270	10	12	feet	Total PAHs (2)	0		ug/kg
BH-26A	8/6/90	Immunoassay	13	14	feet	Total PAHs	0		ug/kg
BH-26A	8/6/90	EPA8270	13	14	feet	Total PAHs (2)	0		ug/kg
BH-26A	8/6/90	EPA8270	23	25	feet	Total PAHs (2)	0		ug/kg
BH-26A	8/6/90	Immunoassay	23	25	feet	Total PAHs	0		ug/kg
BH-27	8/1/90	EPA8270	5	6	feet	Total PAHs (2)	13,669,000		ug/kg
BH-27	8/1/90	Immunoassay	5	6	feet	Total PAHs	0		ug/kg
BH-27	8/1/90	Immunoassay	10	11	feet	Total PAHs	0		ug/kg
BH-27	8/1/90	EPA8270	10	11	feet	Total PAHs (2)	710		ug/kg
BH-27	8/1/90	Immunoassay	22.5	24	feet	Total PAHs	0		ug/kg
BH-27	8/1/90	EPA8270	22.5	24	feet	Total PAHs (2)	0		ug/kg
BH-28	6/15/95	Immunoassay	2.5	4	feet	Total PAHs	100,000		ug/kg
BH-28	6/15/95	Immunoassay	7.5	9	feet	Total PAHs	28,000		ug/kg
BH-28	6/15/95	Immunoassay	10	11.5	feet	Total PAHs	5,000	U	ug/kg
BH-28	6/15/95	Immunoassay	13	14.5	feet	Total PAHs	21,000		ug/kg
BH-28	6/15/95	Immunoassay	15	16.5	feet	Total PAHs	5,000	U	ug/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
BH-31B	12/23/88	Immunoassay			feet	Total PAHs	0		µg/kg
BH-31B	12/23/88	EPA8270			feet	Total PAHs (2)	404		µg/kg
BH-31B	12/23/88	EPA8270			feet	Total PAHs (2)	500		µg/kg
BH-4	5/16/93	Absorbance	0	1.5	feet	Total PAHs	10,000	U	µg/kg
BH-4	5/16/93	Absorbance	4.5	6	feet	Total PAHs	20,000		µg/kg
BH-4	5/16/93	Absorbance	9	10.5	feet	Total PAHs	580,000		µg/kg
BH-4	5/16/93	Absorbance	10.5	12	feet	Total PAHs	4,400,000		µg/kg
BH-4	5/16/93	Absorbance	12.9	14.4	feet	Total PAHs	34,000,000		µg/kg
BH-4	5/16/93	Absorbance	19	19.5	feet	Total PAHs	7,500,000		µg/kg
BH-4	5/16/93	Absorbance	21.7	23.2	feet	Total PAHs	410,000		µg/kg
BH-5	5/16/93	Absorbance	0	1.5	feet	Total PAHs	7,300,000		µg/kg
BH-5	5/16/93	Absorbance	1.5	3	feet	Total PAHs	10,000,000		µg/kg
BH-5	5/16/93	Absorbance	3	4.5	feet	Total PAHs	9,000,000		µg/kg
BH-5	5/16/93	Absorbance	4.5	6	feet	Total PAHs	8,900,000		µg/kg
BH-5	5/16/93	Absorbance	6	7.5	feet	Total PAHs	8,900,000		µg/kg
BH-5	5/16/93	Absorbance	7.5	9	feet	Total PAHs	60,000		µg/kg
BH-5	5/16/93	Absorbance	12.9	14.4	feet	Total PAHs	60,000		µg/kg
BH-5	5/16/93	Absorbance	18	19.5	feet	Total PAHs	19,000,000		µg/kg
BH-5	5/16/93	Absorbance	21.6	23.1	feet	Total PAHs	7,100,000		µg/kg
BH-6	5/20/93	Absorbance	3	4.5	feet	Total PAHs	10,000,000		µg/kg
BH-6	5/20/93	Absorbance	4.5	6	feet	Total PAHs	230,000		µg/kg
BH-6	5/20/93	Absorbance	6	7.5	feet	Total PAHs	9,400,000		µg/kg
BH-6	5/20/93	Absorbance	7.5	9	feet	Total PAHs	100,000		µg/kg
BH-6	5/20/93	Absorbance	12.9	14.4	feet	Total PAHs	20,000		µg/kg
BH-6	5/20/93	Absorbance	18	19	feet	Total PAHs	10,000		µg/kg
BH-7	5/1/93	EPA8270	3	19	feet	Total PAHs (2)	2,530,000	J	µg/kg
BH-7	5/1/93	Immunoassay	3	19	feet	Total PAHs	0		µg/kg
BH-7	5/17/93	Absorbance	3	4.5	feet	Total PAHs	9,100,000		µg/kg
BH-7	5/17/93	Absorbance	4.5	6	feet	Total PAHs	610,000		µg/kg
BH-7	5/17/93	Absorbance	6	7.5	feet	Total PAHs	7,400,000		µg/kg
BH-7	5/17/93	Absorbance	7.5	9	feet	Total PAHs	9,700,000		µg/kg
BH-7	5/17/93	Absorbance	9	10.5	feet	Total PAHs	8,500,000		µg/kg
BH-7	5/17/93	Absorbance	12.9	14.4	feet	Total PAHs	10,000		µg/kg
BH-7	5/17/93	Absorbance	18	19	feet	Total PAHs	10,000		µg/kg
BH-8	5/19/93	Absorbance	1	1.5	feet	Total PAHs	8,600,000		µg/kg
BH-8	5/19/93	Absorbance	1.5	3	feet	Total PAHs	540,000		µg/kg
BH-8	5/19/93	Absorbance	3	4.5	feet	Total PAHs	130,000		µg/kg
BH-8	5/19/93	Absorbance	4.5	6	feet	Total PAHs	9,400,000		µg/kg
BH-8	5/19/93	Absorbance	6	7.5	feet	Total PAHs	12,000,000		µg/kg
BH-8	5/19/93	Absorbance	7.5	9	feet	Total PAHs	11,000,000		µg/kg
BH-8	5/19/93	Absorbance	12.9	14.4	feet	Total PAHs	18,000,000		µg/kg
BH-8	5/19/93	Absorbance	18	19.5	feet	Total PAHs	13,000,000		µg/kg
BH-8	5/19/93	Absorbance	23	24.5	feet	Total PAHs	420,000		µg/kg
BH-9	5/1/93	EPA8270	0	19.5	feet	Total PAHs (2)	7,093,600	J	µg/kg
BH-9	5/1/93	Immunoassay	0	19.5	feet	Total PAHs	0		µg/kg
BH-9	5/16/93	Absorbance	0	1.5	feet	Total PAHs	50,000		µg/kg
BH-9	5/16/93	Absorbance	1.5	3	feet	Total PAHs	17,000,000		µg/kg
BH-9	5/16/93	Absorbance	3	4.5	feet	Total PAHs	22,000,000		µg/kg
BH-9	5/16/93	Absorbance	6	7.5	feet	Total PAHs	13,000,000		µg/kg
BH-9	5/16/93	Absorbance	7.5	9	feet	Total PAHs	140,000		µg/kg
BH-9	5/16/93	Absorbance	9	10.5	feet	Total PAHs	10,000,000		µg/kg
BH-9	5/16/93	Absorbance	12.9	14.4	feet	Total PAHs	300,000		µg/kg
BH-9	5/16/93	Absorbance	18	19.5	feet	Total PAHs	10,000	U	µg/kg
HC-1	6/14/95	Immunoassay	2.5	4	feet	Total PAHs	4,300	J	µg/kg
HC-1	6/14/95	Immunoassay	5	6.5	feet	Total PAHs	18,000		µg/kg
HC-1	6/14/95	Immunoassay	7.5	9	feet	Total PAHs	10,000		µg/kg
HC-1	6/14/95	Immunoassay	10	11.5	feet	Total PAHs	5,000	U	µg/kg
HC-2	6/14/95	Immunoassay	2.5	4	feet	Total PAHs	38,000		µg/kg
HC-2	6/14/95	EPA8270	2.5	4	feet	Total PAHs (2)	2,860		µg/kg
HC-2	6/14/95	EPA8270	7.5	9	feet	Total PAHs (2)	747,000	J	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
HC-2	6/14/95	Immunoassay	7.5	9	feet	Total PAHs	1,250,000	J	µg/kg
HC-2	6/14/95	Immunoassay	12.5	14	feet	Total PAHs	1,250,000		µg/kg
HC-2	6/14/95	EPA8270	12.5	14	feet	Total PAHs (2)	0		µg/kg
HC-2	6/14/95	Immunoassay	12.5	14	feet	Total PAHs	0		µg/kg
HC-2	6/14/95	EPA8270	17.5	19	feet	Total PAHs (2)	52,410		µg/kg
HC-2	6/14/95	Immunoassay	17.5	19	feet	Total PAHs	28,000		µg/kg
HC-2	6/14/95	EPA8270	22.5	24	feet	Total PAHs (2)	0		µg/kg
HC-2	6/14/95	Immunoassay	22.5	24	feet	Total PAHs	6,800		µg/kg
HC-3	6/14/95	EPA8270	2.5	4	feet	Total PAHs (2)	57,420		µg/kg
HC-3	6/14/95	Immunoassay	2.5	4	feet	Total PAHs	490,000		µg/kg
HC-3	6/14/95	Immunoassay	7.5	9	feet	Total PAHs	11,000		µg/kg
HC-3	6/14/95	EPA8270	7.5	9	feet	Total PAHs (2)	120		µg/kg
HC-3	6/14/95	Immunoassay	13	14.5	feet	Total PAHs	5,000	U	µg/kg
HC-3	6/14/95	EPA8270	13	14.5	feet	Total PAHs (2)	2,300		µg/kg
HC-3	6/14/95	EPA8270	18	20.5	feet	Total PAHs (2)	0		µg/kg
HC-3	6/14/95	Immunoassay	18	20.5	feet	Total PAHs	5,000	U	µg/kg
HC-3	6/14/95	Immunoassay	22	23.5	feet	Total PAHs	5,000	U	µg/kg
HC-3	6/14/95	EPA8270	22	23.5	feet	Total PAHs (2)	0		µg/kg
HC-4	6/14/95	Immunoassay	2.5	4	feet	Total PAHs	19,000		µg/kg
HC-4	6/14/95	EPA8270	2.5	4	feet	Total PAHs (2)	6,360		µg/kg
HC-4	6/14/95	EPA8270	10	11.5	feet	Total PAHs (2)	20,580		µg/kg
HC-4	6/14/95	Immunoassay	10	11.5	feet	Total PAHs	17,000		µg/kg
HC-4	6/14/95	Immunoassay	10	11.5	feet	Total PAHs	10,000		µg/kg
HC-4	6/14/95	Immunoassay	14.5	16	feet	Total PAHs	120,000		µg/kg
HC-4	6/14/95	EPA8270	14.5	16	feet	Total PAHs (2)	78,620		µg/kg
HC-4	6/14/95	EPA8270	19	20.5	feet	Total PAHs (2)	0		µg/kg
HC-4	6/14/95	Immunoassay	19	20.5	feet	Total PAHs	5,000	U	µg/kg
HC-4	6/14/95	EPA8270	22	23.5	feet	Total PAHs (2)	0		µg/kg
HC-5	6/15/95	EPA8270	2.5	4	feet	Total PAHs (2)	7,646,000		µg/kg
HC-5	6/15/95	Immunoassay	2.5	4	feet	Total PAHs	1,250,000		µg/kg
HC-5	6/15/95	Immunoassay	2.5	4	feet	Total PAHs	0		µg/kg
HC-5	6/15/95	EPA8270	7.5	9	feet	Total PAHs (2)	0		µg/kg
HC-5	6/15/95	Immunoassay	7.5	9	feet	Total PAHs	1,100,000		µg/kg
HC-5	6/15/95	EPA8270	10	11.5	feet	Total PAHs (2)	0		µg/kg
HC-5	6/15/95	Immunoassay	10	11.5	feet	Total PAHs	1,250,000		µg/kg
HC-5	6/15/95	Immunoassay	10	11.5	feet	Total PAHs	0		µg/kg
HC-5	6/15/95	EPA8270	12.5	14	feet	Total PAHs (2)	508,200		µg/kg
HC-5	6/15/95	Immunoassay	12.5	14	feet	Total PAHs	0		µg/kg
HC-5	6/15/95	Immunoassay	12.5	14	feet	Total PAHs	1,250,000		µg/kg
HC-5	6/15/95	EPA8270	17.5	19	feet	Total PAHs (2)	0		µg/kg
HC-5	6/15/95	Immunoassay	17.5	19	feet	Total PAHs	20,000		µg/kg
HC-6	6/15/95	Immunoassay	2.5	4	feet	Total PAHs	5,300		µg/kg
HC-6	6/15/95	Immunoassay	7.5	9	feet	Total PAHs	5,000	U	µg/kg
HC-6	6/15/95	Immunoassay	11.5	13	feet	Total PAHs	5,000	U	µg/kg
HC-6	6/15/95	Immunoassay	14.5	16	feet	Total PAHs	5,000	U	µg/kg
HC-6	6/15/95	Immunoassay	17.5	19	feet	Total PAHs	5,000	U	µg/kg
HC-7	6/15/95	Immunoassay	2.5	4	feet	Total PAHs	5,000	U	µg/kg
HC-7	6/15/95	Immunoassay	5	6.5	feet	Total PAHs	88,000		µg/kg
HC-7	6/15/95	Immunoassay	7.5	9	feet	Total PAHs	450,000		µg/kg
HC-7	6/15/95	Immunoassay	10	11.5	feet	Total PAHs	690,000		µg/kg
HC-7	6/15/95	Immunoassay	12.5	14	feet	Total PAHs	1,250,000		µg/kg
HC-8	6/15/95	Immunoassay	5	6.5	feet	Total PAHs	1,250,000		µg/kg
HC-8	6/15/95	Immunoassay	10	11.5	feet	Total PAHs	1,250,000		µg/kg
HC-8	6/15/95	Immunoassay	15	16.5	feet	Total PAHs	75,000		µg/kg
HC-8	6/15/95	Immunoassay	25	26.5	feet	Total PAHs	9,200		µg/kg
HC-8	6/15/95	Immunoassay	35	36.5	feet	Total PAHs	5,000	U	µg/kg
T-1(1)	6/4/83	Absorbance	5.6	5.8	feet	Total PAHs	20,000		µg/kg
T-1(2)	6/4/83	Absorbance	4.4	4.4	feet	Total PAHs	3,700,000		µg/kg
T-1(3)	6/4/83	Absorbance	1.3	1.3	feet	Total PAHs	10,000	U	µg/kg
T-1(3)	6/4/83	Absorbance	2.5	2.5	feet	Total PAHs	6,700,000		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration	Conc. Units
T-1(3)	6/4/83	Absorbance	3.8	3.8	feet	Total PAHs	7,300,000	µg/kg
T-1(3)	6/4/83	Absorbance	5	5	feet	Total PAHs	80,000	µg/kg
T-2(1)	6/4/83	Absorbance	0.94	0.94	feet	Total PAHs	20,000	µg/kg
T-2(1)	6/4/83	Absorbance	3.75	3.75	feet	Total PAHs	5,000,000	µg/kg
T-3(1)	6/4/83	Absorbance	3.75	3.75	feet	Total PAHs	3,200,000	µg/kg
T-3(1)	6/4/83	Absorbance	5.3	5.3	feet	Total PAHs	8,400,000	µg/kg
T-3(1)	6/4/83	Absorbance	7.5	7.5	feet	Total PAHs	10,000,000	µg/kg
T-3(2)	6/4/83	Absorbance	5.8	5.8	feet	Total PAHs	12,000,000	µg/kg
T-4(1)	6/7/83	Absorbance	4.7	4.7	feet	Total PAHs	19,000,000	µg/kg
T-4(1)	6/7/83	Absorbance	6.6	6.6	feet	Total PAHs	4,300,000	µg/kg
T-4(1)	6/7/83	Absorbance	8.1	8.1	feet	Total PAHs	800,000	µg/kg
T-4(2)	6/7/83	Absorbance	3.1	3.1	feet	Total PAHs	2,500,000	µg/kg
T-4(2)	6/7/83	Absorbance	5	5	feet	Total PAHs	4,500,000	µg/kg
T-4(2)	6/7/83	Absorbance	6.9	6.9	feet	Total PAHs	17,000,000	µg/kg
TP-1	6/13/95	Immunoassa	6.5	7	feet	Total PAHs		µg/kg
TP-2	6/13/95	Immunoassa	3.5	4	feet	Total PAHs		µg/kg
TP-4	6/13/95	Immunoassa	8	8.5	feet	Total PAHs		µg/kg
TP-4	6/13/95	Immunoassa	9.5	10	feet	Total PAHs		µg/kg
TP-4(1)	6/13/95	Immunoassa	8	8.5	feet	Total PAHs		µg/kg
TP-5	6/13/95	Immunoassa	7	8	feet	Total PAHs		µg/kg

3. TABLE CPAH SOIL. SUMMARY OF CARCINOGENIC PAH CONCENTRATIONS IN SOIL

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration	Conc. Units
BH-10	5/20/83	EPA8270	8	7.5	feet	Total CPAHs	925	µg/kg
BH-11	5/18/83	EPA8270	18	19.5	feet	Total CPAHs	2,875	µg/kg
BH-17B	12/21/88	EPA8270	1.5	1.5	feet	Total CPAHs	230	µg/kg
BH-17B	12/21/88	EPA8270	7.5	7.5	feet	Total CPAHs	185	µg/kg
BH-17B	12/22/88	EPA8270	13.5	13.5	feet	Total CPAHs	210	µg/kg
BH-17B	12/22/88	EPA8270	18.5	18.5	feet	Total CPAHs	204	µg/kg
BH-17B	12/22/88	EPA8270	23.5	23.5	feet	Total CPAHs	183	µg/kg
BH-18B	12/5/1900	EPA8270	12.5	12.5	feet	Total CPAHs	1,080	µg/kg
BH-18B	12/14/88	EPA8270	9	9	feet	Total CPAHs	17,880	µg/kg
BH-18B	12/15/88	EPA8270	17.5	17.5	feet	Total CPAHs	1,329	µg/kg
BH-18B	12/15/88	EPA8270	22.5	22.5	feet	Total CPAHs	171	µg/kg
BH-18B	12/15/88	EPA8270	37.5	37.5	feet	Total CPAHs	153	µg/kg
BH-19	12/19/88	EPA8270	3	3	feet	Total CPAHs	1,295,000	µg/kg
BH-19	12/19/88	EPA8270	5	5	feet	Total CPAHs	748,000	µg/kg
BH-19	12/19/88	EPA8270	12.5	12.5	feet	Total CPAHs	216	µg/kg
BH-19	12/19/88	EPA8270	18	18	feet	Total CPAHs	537	µg/kg
BH-20B	12/19/88	EPA8270	3	3	feet	Total CPAHs	56,000	µg/kg
BH-20B	12/19/88	EPA8270	8	8	feet	Total CPAHs	390	µg/kg
BH-20B	12/20/88	EPA8270	12.5	12.5	feet	Total CPAHs	282	µg/kg
BH-20B	12/20/88	EPA8270	17.5	17.5	feet	Total CPAHs	420	µg/kg
BH-20B	12/20/88	EPA8270	22.5	22.5	feet	Total CPAHs	289	µg/kg
BH-20B	12/20/88	EPA8270	27.5	27.5	feet	Total CPAHs	168	µg/kg
BH-20B	12/20/88	EPA8270	32.5	32.5	feet	Total CPAHs	210	µg/kg
BH-20B	12/20/88	EPA8270	37.5	37.5	feet	Total CPAHs	174	µg/kg
BH-20B	12/20/88	EPA8270	42.5	42.5	feet	Total CPAHs	159	µg/kg
BH-21B	12/6/88	EPA8270	0	0	feet	Total CPAHs	243	µg/kg
BH-21B	12/23/88	EPA8270	3	3	feet	Total CPAHs	330	µg/kg
BH-21B	12/23/88	EPA8270	9	9	feet	Total CPAHs	429	µg/kg
BH-21B	12/23/88	EPA8270	13.5	13.5	feet	Total CPAHs	57,900	µg/kg
BH-21B	12/23/88	EPA8270	18.5	18.5	feet	Total CPAHs	7,000	µg/kg
BH-21B	12/23/88	EPA8270	23.5	23.5	feet	Total CPAHs	288	µg/kg
BH-21B	12/23/88	EPA8270	28	28	feet	Total CPAHs	192	µg/kg
BH-21B	12/23/88	EPA8270	38	38	feet	Total CPAHs	152	µg/kg
BH-22	12/6/88	EPA8270	13	13	feet	Total CPAHs	273	µg/kg
BH-22	12/6/88	EPA8270	18	18	feet	Total CPAHs	231	µg/kg
BH-22	12/6/88	EPA8270	23	23	feet	Total CPAHs	219	µg/kg
BH-22	12/6/88	EPA8270	28	28	feet	Total CPAHs	214	µg/kg
BH-23	12/28/88	EPA8270	1.5	1.5	feet	Total CPAHs	278	µg/kg
BH-23	12/28/88	EPA8270	7.5	7.5	feet	Total CPAHs	1,202	µg/kg
BH-23	12/28/88	EPA8270	13	13	feet	Total CPAHs	38,500	µg/kg
BH-23	12/28/88	EPA8270	18	18	feet	Total CPAHs	332,000	µg/kg
BH-23	12/28/88	EPA8270	23	23	feet	Total CPAHs	4,350	µg/kg
BH-24	7/31/90	EPA8270	2	4	feet	Total CPAHs	775	µg/kg
BH-24	7/31/90	EPA8270	17	19	feet	Total CPAHs	3,150	µg/kg
BH-24	7/31/90	EPA8270	22	24	feet	Total CPAHs	675	µg/kg
BH-25B	8/2/90	EPA8270	4	6	feet	Total CPAHs	595	µg/kg
BH-25B	8/2/90	EPA8270	9	10	feet	Total CPAHs	595	µg/kg
BH-25B	8/2/90	EPA8270	10	12	feet	Total CPAHs	595	µg/kg
BH-25B	8/2/90	EPA8270	17	18	feet	Total CPAHs	1,150	µg/kg
BH-25B	8/2/90	EPA8270	27	29	feet	Total CPAHs	1,258	µg/kg
BH-26A	8/6/90	EPA8270	2	4	feet	Total CPAHs	471	µg/kg
BH-26A	8/6/90	EPA8270	8	10	feet	Total CPAHs	680	µg/kg
BH-26A	8/6/90	EPA8270	10	12	feet	Total CPAHs	595	µg/kg
BH-26A	8/6/90	EPA8270	13	14	feet	Total CPAHs	595	µg/kg
BH-26A	8/6/90	EPA8270	23	25	feet	Total CPAHs	595	µg/kg
BH-27	8/1/90	EPA8270	5	6	feet	Total CPAHs	5,280,000	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration	Conc. Units
BH-27	6/1/90	EPA8270	10	11	feet	Total CPAHs	1,640	µg/kg
BH-27	6/1/90	EPA8270	22.5	24	feet	Total CPAHs	596	µg/kg
BH-28	6/15/95	EPA8270	2.5	4	feet	Total CPAHs	10,940	µg/kg
BH-28	6/15/95	EPA8270	7.5	9	feet	Total CPAHs	695	µg/kg
BH-31B	12/23/98	EPA8270			feet	Total CPAHs	345	µg/kg
BH-4	5/1/83	EPA8270	10.5	12	feet	Total CPAHs	82,700	µg/kg
BH-7	5/1/83	EPA8270	3	18	feet	Total CPAHs	443,500	µg/kg
BH-9	5/1/83	EPA8270	0	18.6	feet	Total CPAHs	747,600	µg/kg
HC-1	6/14/95	EPA8270	6	6.5	feet	Total CPAHs	531	µg/kg
HC-1	6/14/95	EPA8270	10	11.5	feet	Total CPAHs	455	µg/kg
HC-2	6/14/95	EPA8270	2.5	4	feet	Total CPAHs	1,352	µg/kg
HC-2	6/14/95	EPA8270	7.5	9	feet	Total CPAHs	153,000	µg/kg
HC-2	6/14/95	EPA8270	12.5	14	feet	Total CPAHs	0	µg/kg
HC-2	6/14/95	EPA8270	17.5	19	feet	Total CPAHs	8,810	µg/kg
HC-2	6/14/95	EPA8270	22.5	24	feet	Total CPAHs	0	µg/kg
HC-3	6/14/95	EPA8270	2.5	4	feet	Total CPAHs	25,910	µg/kg
HC-3	6/14/95	EPA8270	7.5	9	feet	Total CPAHs	340	µg/kg
HC-3	6/14/95	EPA8270	13	14.5	feet	Total CPAHs	287	µg/kg
HC-3	6/14/95	EPA8270	19	20.5	feet	Total CPAHs	0	µg/kg
HC-3	6/14/95	EPA8270	22	23.5	feet	Total CPAHs	0	µg/kg
HC-4	6/14/95	EPA8270	2.5	4	feet	Total CPAHs	246	µg/kg
HC-4	6/14/95	EPA8270	10	11.5	feet	Total CPAHs	1,880	µg/kg
HC-4	6/14/95	EPA8270	14.5	16	feet	Total CPAHs	7,000	µg/kg
HC-4	6/14/95	EPA8270	19	20.5	feet	Total CPAHs	0	µg/kg
HC-4	6/14/95	EPA8270	22	23.5	feet	Total CPAHs	0	µg/kg
HC-5	6/15/95	EPA8270	2.5	4	feet	Total CPAHs	645,000	µg/kg
HC-5	6/15/95	EPA8270	7.5	9	feet	Total CPAHs	0	µg/kg
HC-5	6/15/95	EPA8270	10	11.5	feet	Total CPAHs	0	µg/kg
HC-5	6/15/95	EPA8270	12.5	14	feet	Total CPAHs	73,460	µg/kg
HC-5	6/15/95	EPA8270	17.5	19	feet	Total CPAHs	0	µg/kg
HC-6	6/15/95	EPA8270	17.5	19	feet	Total CPAHs	294	µg/kg
HC-7	6/15/95	EPA8270	2.5	4	feet	Total CPAHs	258	µg/kg
HC-7	6/15/95	EPA8270	12.5	14	feet	Total CPAHs	3,820,000	µg/kg
HC-8	6/15/95	EPA8270	6	6.5	feet	Total CPAHs	121,400	µg/kg
HC-8	6/15/95	EPA8270	10	11.5	feet	Total CPAHs	8,550	µg/kg
HC-8	6/15/95	EPA8270	25	26.5	feet	Total CPAHs	329	µg/kg
HC-8	6/15/95	EPA8270	35	36.5	feet	Total CPAHs	277	µg/kg
TP-1	6/13/95	EPA8270	6.5	7	feet	Total CPAHs	34,260	µg/kg
TP-2	6/13/95	EPA8270	3.5	4	feet	Total CPAHs	641,000	µg/kg
TP-4	6/13/95	EPA8270	6	6.5	feet	Total CPAHs	10,855,000	µg/kg
TP-4	6/13/95	EPA8270	8.5	10	feet	Total CPAHs	462,000	µg/kg
TP-4(1)	6/13/95	EPA8270	6	6.5	feet	Total CPAHs	35,350	µg/kg
TP-5	6/13/95	EPA8270	7	8	feet	Total CPAHs	1,538,400	µg/kg

4. TABLE SOIL METALS. SUMMARY OF METAL CONCENTRATIONS IN SOIL

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
B-3(P)	9/12/85	6010	0	3	feet	Nickel	100	U	µg/kg
B-3(P)	9/12/85	6010	0	3	feet	Zinc	100	U	µg/kg
B-3(P)	9/12/85	6010	0	3	feet	Selenium	200	U	µg/kg
B-3(P)	9/12/85	6010	0	3	feet	Arsenic	200	U	µg/kg
B-3(P)	9/12/85	6010	0	3	feet	Mercury	5	U	µg/kg
B-3(P)	9/12/85	6010	0	3	feet	Lead	100	U	µg/kg
B-3(P)	9/12/85	6010	0	3	feet	Copper	100	U	µg/kg
B-3(P)	9/12/85	6010	0	3	feet	Chromium	100	U	µg/kg
B-3(P)	9/12/85	6010	0	3	feet	Cadmium	10	U	µg/kg
B-3(P)	9/12/85	6010	0	3	feet	Barium	200		µg/kg
B-3(P)	9/12/85	6010	0	3	feet	Silver	100	U	µg/kg
BH-25B	8/2/90	6010				Arsenic			
BH-25B	8/2/90	6010	4	6	feet	Nickel	34,000		µg/kg
BH-25B	8/2/90	6010	4	6	feet	Copper	21,000		µg/kg
BH-25B	8/2/90	6010	4	6	feet	Manganese	370,000		µg/kg
BH-25B	8/2/90	6010	4	6	feet	Mercury	0		µg/kg
BH-25B	8/2/90	6010	4	6	feet	Chromium	29,000		µg/kg
BH-25B	8/2/90	6010	4	6	feet	Cadmium	0		µg/kg
BH-25B	8/2/90	6010	4	6	feet	Iron	20,000,000		µg/kg
BH-25B	8/2/90	6010	4	6	feet	Arsenic	0		µg/kg
BH-25B	8/2/90	6010	4	6	feet	Lead	0		µg/kg
BH-25B	8/2/90	6010	4	6	feet	Zinc	39,000		µg/kg
BH-25B	8/2/90	6010	6	8	feet	Zinc	28,000		µg/kg
BH-25B	8/2/90	6010	6	8	feet	Nickel	26,000		µg/kg
BH-25B	8/2/90	6010	6	8	feet	Mercury	0		µg/kg
BH-25B	8/2/90	6010	6	8	feet	Manganese	160,000		µg/kg
BH-25B	8/2/90	6010	6	8	feet	Lead	0		µg/kg
BH-25B	8/2/90	6010	6	8	feet	Arsenic	0		µg/kg
BH-25B	8/2/90	6010	6	8	feet	Iron	14,000,000		µg/kg
BH-25B	8/2/90	6010	6	8	feet	Cadmium	0		µg/kg
BH-25B	8/2/90	6010	6	8	feet	Copper	9,000		µg/kg
BH-25B	8/2/90	6010	6	8	feet	Chromium	17,000		µg/kg
BH-25B	8/2/90	6010	12	14	feet	Lead	0		µg/kg
BH-25B	8/2/90	6010	12	14	feet	Arsenic	0		µg/kg
BH-25B	8/2/90	6010	12	14	feet	Zinc	25,000		µg/kg
BH-25B	8/2/90	6010	12	14	feet	Cadmium	0		µg/kg
BH-25B	8/2/90	6010	12	14	feet	Mercury	0		µg/kg
BH-25B	8/2/90	6010	12	14	feet	Chromium	21,000		µg/kg
BH-25B	8/2/90	6010	12	14	feet	Copper	10,000		µg/kg
BH-25B	8/2/90	6010	12	14	feet	Manganese	190,000		µg/kg
BH-25B	8/2/90	6010	12	14	feet	Iron	13,000,000		µg/kg
BH-25B	8/2/90	6010	12	14	feet	Nickel	25,000		µg/kg
BH-26A	8/6/90	6010	2	4	feet	Cadmium	0		µg/kg
BH-26A	8/6/90	6010	2	4	feet	Iron	18,000,000		µg/kg
BH-26A	8/6/90	6010	2	4	feet	Copper	30,000		µg/kg
BH-26A	8/6/90	6010	2	4	feet	Manganese	220,000		µg/kg
BH-26A	8/6/90	6010	2	4	feet	Chromium	28,000		µg/kg
BH-26A	8/6/90	6010	2	4	feet	Mercury	0		µg/kg
BH-26A	8/6/90	6010	2	4	feet	Zinc	88,000		µg/kg
BH-26A	8/6/90	6010	2	4	feet	Nickel	34,000		µg/kg
BH-26A	8/6/90	6010	2	4	feet	Lead	0		µg/kg
BH-26A	8/6/90	6010	2	4	feet	Arsenic	0		µg/kg
BH-26A	8/6/90	6010	4	6	feet	Mercury	0		µg/kg
BH-26A	8/6/90	6010	4	6	feet	Zinc	27,000		µg/kg
BH-26A	8/6/90	6010	4	6	feet	Manganese	110,000		µg/kg
BH-26A	8/6/90	6010	4	6	feet	Lead	0		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
BH-25A	8/5/90	6010	4	5	feet	Nickel	30,000		µg/kg
BH-25A	8/5/90	6010	4	5	feet	Arsenic	0		µg/kg
BH-25A	8/5/90	6010	4	5	feet	Iron	17,000,000		µg/kg
BH-25A	8/5/90	6010	4	5	feet	Copper	13,000		µg/kg
BH-25A	8/5/90	6010	4	5	feet	Chromium	24,000		µg/kg
BH-25A	8/5/90	6010	4	5	feet	Cadmium	0		µg/kg
BH-25A	8/5/90	6010	6	8	feet	Arsenic	0		µg/kg
BH-25A	8/5/90	6010	6	8	feet	Zinc	32,000		µg/kg
BH-25A	8/5/90	6010	6	8	feet	Iron	18,000,000		µg/kg
BH-25A	8/5/90	6010	6	8	feet	Cadmium	0		µg/kg
BH-25A	8/5/90	6010	6	8	feet	Mercury	0		µg/kg
BH-25A	8/5/90	6010	6	8	feet	Chromium	20,000		µg/kg
BH-25A	8/5/90	6010	6	8	feet	Copper	11,000		µg/kg
BH-25A	8/5/90	6010	6	8	feet	Manganese	140,000		µg/kg
BH-25A	8/5/90	6010	6	8	feet	Lead	0		µg/kg
BH-25A	8/5/90	6010	6	8	feet	Nickel	28,000		µg/kg
BH-27	8/1/90	6010				Arsenic			
BH-27	8/1/90	6010	7	8	feet	Cadmium	0		µg/kg
BH-27	8/1/90	6010	7	8	feet	Mercury	0		µg/kg
BH-27	8/1/90	6010	7	8	feet	Lead	0		µg/kg
BH-27	8/1/90	6010	7	8	feet	Iron	15,000,000		µg/kg
BH-27	8/1/90	6010	7	8	feet	Nickel	32,000		µg/kg
BH-27	8/1/90	6010	7	8	feet	Copper	14,000		µg/kg
BH-27	8/1/90	6010	7	8	feet	Zinc	34,000		µg/kg
BH-27	8/1/90	6010	7	8	feet	Chromium	24,000		µg/kg
BH-27	8/1/90	6010	7	8	feet	Arsenic	0		µg/kg
BH-27	8/1/90	6010	7	8	feet	Manganese	180,000		µg/kg
BH-27	8/1/90	6010	19	19.5	feet	Nickel	33,000		µg/kg
BH-27	8/1/90	6010	19	19.5	feet	Mercury	0		µg/kg
BH-27	8/1/90	6010	19	19.5	feet	Zinc	33,000		µg/kg
BH-27	8/1/90	6010	19	19.5	feet	Lead	0		µg/kg
BH-27	8/1/90	6010	19	19.5	feet	Iron	9,200,000		µg/kg
BH-27	8/1/90	6010	19	19.5	feet	Copper	22,000		µg/kg
BH-27	8/1/90	6010	19	19.5	feet	Arsenic	0		µg/kg
BH-27	8/1/90	6010	19	19.5	feet	Cadmium	0		µg/kg
BH-27	8/1/90	6010	19	19.5	feet	Chromium	28,000		µg/kg
BH-27	8/1/90	6010	19	19.5	feet	Manganese	190,000		µg/kg
BH-28	6/15/95	6010	2.5	4	feet	Cadmium	230		µg/kg
BH-28	6/15/95	6010	2.5	4	feet	Mercury	60	U	µg/kg
BH-28	6/15/95	6010	2.5	4	feet	Iron	0		µg/kg
BH-28	6/15/95	6010	2.5	4	feet	Copper	0		µg/kg
BH-28	6/15/95	6010	2.5	4	feet	Chromium	65,300		µg/kg
BH-28	6/15/95	6010	2.5	4	feet	Manganese	0		µg/kg
BH-28	6/15/95	6010	2.5	4	feet	Nickel	39,000		µg/kg
BH-28	6/15/95	6010	2.5	4	feet	Lead	60,000		µg/kg
BH-28	6/15/95	6010	2.5	4	feet	Arsenic	12,900		µg/kg
BH-28	6/15/95	6010	2.5	4	feet	Zinc	94,200		µg/kg
BH-28	6/15/95	6010	10	11.5	feet	Nickel	0		µg/kg
BH-28	6/15/95	6010	10	11.5	feet	Mercury	0		µg/kg
BH-28	6/15/95	6010	10	11.5	feet	Zinc	0		µg/kg
BH-28	6/15/95	6010	10	11.5	feet	Manganese	0		µg/kg
BH-28	6/15/95	6010	10	11.5	feet	Iron	0		µg/kg
BH-28	6/15/95	6010	10	11.5	feet	Copper	0		µg/kg
BH-28	6/15/95	6010	10	11.5	feet	Chromium	0		µg/kg
BH-28	6/15/95	6010	10	11.5	feet	Cadmium	0		µg/kg
BH-28	6/15/95	6010	10	11.5	feet	Arsenic	3,300		µg/kg
BH-28	6/15/95	6010	10	11.5	feet	Lead	0		µg/kg
HC-1	6/14/95	6010	5	6.5	feet	Copper	0		µg/kg
HC-1	6/14/95	6010	5	6.5	feet	Nickel	0		µg/kg
HC-1	6/14/95	6010	5	6.5	feet	Mercury	0		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration	Conc. Units
HC-1	6/14/95	6010	5	6.5	feet	Manganese	0	µg/kg
HC-1	6/14/95	6010	5	6.5	feet	Lead	0	µg/kg
HC-1	6/14/95	6010	5	6.5	feet	Zinc	0	µg/kg
HC-1	6/14/95	6010	5	6.5	feet	Iron	0	µg/kg
HC-1	6/14/95	6010	5	6.5	feet	Chromium	0	µg/kg
HC-1	6/14/95	6010	5	6.5	feet	Cadmium	0	µg/kg
HC-1	6/14/95	6010	5	6.5	feet	Arsenic	5,300	µg/kg
HC-1	6/14/95	6010	10	11.5	feet	Arsenic	5,100	µg/kg
HC-1	6/14/95	6010	10	11.5	feet	Copper	0	µg/kg
HC-1	6/14/95	6010	10	11.5	feet	Chromium	0	µg/kg
HC-1	6/14/95	6010	10	11.5	feet	Zinc	0	µg/kg
HC-1	6/14/95	6010	10	11.5	feet	Nickel	0	µg/kg
HC-1	6/14/95	6010	10	11.5	feet	Mercury	0	µg/kg
HC-1	6/14/95	6010	10	11.5	feet	Manganese	0	µg/kg
HC-1	6/14/95	6010	10	11.5	feet	Lead	0	µg/kg
HC-1	6/14/95	6010	10	11.5	feet	Cadmium	0	µg/kg
HC-1	6/14/95	6010	10	11.5	feet	Iron	0	µg/kg
HC-2	6/14/95	6010	2.5	4	feet	Cadmium	0	µg/kg
HC-2	6/14/95	6010	2.5	4	feet	Copper	0	µg/kg
HC-2	6/14/95	6010	2.5	4	feet	Mercury	0	µg/kg
HC-2	6/14/95	6010	2.5	4	feet	Manganese	0	µg/kg
HC-2	6/14/95	6010	2.5	4	feet	Lead	0	µg/kg
HC-2	6/14/95	6010	2.5	4	feet	Iron	0	µg/kg
HC-2	6/14/95	6010	2.5	4	feet	Nickel	0	µg/kg
HC-2	6/14/95	6010	2.5	4	feet	Chromium	0	µg/kg
HC-2	6/14/95	6010	2.5	4	feet	Arsenic	800	µg/kg
HC-2	6/14/95	6010	2.5	4	feet	Zinc	0	µg/kg
HC-2	6/14/95	6010	7.5	9	feet	Chromium	0	µg/kg
HC-2	6/14/95	6010	7.5	9	feet	Copper	0	µg/kg
HC-2	6/14/95	6010	7.5	9	feet	Iron	0	µg/kg
HC-2	6/14/95	6010	7.5	9	feet	Arsenic	5,900	µg/kg
HC-2	6/14/95	6010	7.5	9	feet	Lead	0	µg/kg
HC-2	6/14/95	6010	7.5	9	feet	Arsenic	4,400	µg/kg
HC-2	6/14/95	6010	7.5	9	feet	Manganese	0	µg/kg
HC-2	6/14/95	6010	7.5	9	feet	Mercury	0	µg/kg
HC-2	6/14/95	6010	7.5	9	feet	Nickel	0	µg/kg
HC-2	6/14/95	6010	7.5	9	feet	Zinc	0	µg/kg
HC-2	6/14/95	6010	7.5	9	feet	Cadmium	0	µg/kg
HC-2	6/14/95	6010	10	11.5	feet	Mercury	0	µg/kg
HC-2	6/14/95	6010	10	11.5	feet	Copper	0	µg/kg
HC-2	6/14/95	6010	10	11.5	feet	Iron	0	µg/kg
HC-2	6/14/95	6010	10	11.5	feet	Lead	16,000	µg/kg
HC-2	6/14/95	6010	10	11.5	feet	Chromium	18,300	µg/kg
HC-2	6/14/95	6010	10	11.5	feet	Manganese	0	µg/kg
HC-2	6/14/95	6010	10	11.5	feet	Cadmium	390	µg/kg
HC-2	6/14/95	6010	10	11.5	feet	Nickel	26,000	µg/kg
HC-2	6/14/95	6010	10	11.5	feet	Zinc	65,500	µg/kg
HC-2	6/14/95	6010	10	11.5	feet	Arsenic	5,500	µg/kg
HC-3	6/14/95	6010	2.5	4	feet	Nickel	46,000	µg/kg
HC-3	6/14/95	6010	2.5	4	feet	Cadmium	130	µg/kg
HC-3	6/14/95	6010	2.5	4	feet	Manganese	0	µg/kg
HC-3	6/14/95	6010	2.5	4	feet	Arsenic	8,200	µg/kg
HC-3	6/14/95	6010	2.5	4	feet	Copper	0	µg/kg
HC-3	6/14/95	6010	2.5	4	feet	Iron	0	µg/kg
HC-3	6/14/95	6010	2.5	4	feet	Lead	35,000	µg/kg
HC-3	6/14/95	6010	2.5	4	feet	Zinc	45,100	µg/kg
HC-3	6/14/95	6010	2.5	4	feet	Chromium	64,000	µg/kg
HC-3	6/14/95	6010	2.5	4	feet	Mercury	70	µg/kg
HC-3	6/14/95	6010	7.5	9	feet	Zinc	0	µg/kg
HC-3	6/14/95	6010	7.5	9	feet	Manganese	0	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration	Conc. Units
HC-3	6/14/95	6010	7.5	9	feet	Nickel	0	ug/kg
HC-3	6/14/95	6010	7.5	9	feet	Mercury	0	ug/kg
HC-3	6/14/95	6010	7.5	9	feet	Chromium	0	ug/kg
HC-3	6/14/95	6010	7.5	9	feet	Lead	0	ug/kg
HC-3	6/14/95	6010	7.5	9	feet	Iron	0	ug/kg
HC-3	6/14/95	6010	7.5	9	feet	Cadmium	0	ug/kg
HC-3	6/14/95	6010	7.5	9	feet	Copper	0	ug/kg
HC-3	6/14/95	6010	7.5	9	feet	Arsenic	5,100	ug/kg
HC-3	6/14/95	6010	13	14.5	feet	Lead	0	ug/kg
HC-3	6/14/95	6010	13	14.5	feet	Zinc	0	ug/kg
HC-3	6/14/95	6010	13	14.5	feet	Arsenic	7,600	ug/kg
HC-3	6/14/95	6010	13	14.5	feet	Cadmium	0	ug/kg
HC-3	6/14/95	6010	13	14.5	feet	Chromium	0	ug/kg
HC-3	6/14/95	6010	13	14.5	feet	Mercury	0	ug/kg
HC-3	6/14/95	6010	13	14.5	feet	Copper	0	ug/kg
HC-3	6/14/95	6010	13	14.5	feet	Manganese	0	ug/kg
HC-3	6/14/95	6010	13	14.5	feet	Iron	0	ug/kg
HC-3	6/14/95	6010	13	14.5	feet	Nickel	0	ug/kg
HC-4	6/14/95	6010	2.5	4	feet	Chromium	0	ug/kg
HC-4	6/14/95	6010	2.5	4	feet	Iron	0	ug/kg
HC-4	6/14/95	6010	2.5	4	feet	Manganese	0	ug/kg
HC-4	6/14/95	6010	2.5	4	feet	Mercury	0	ug/kg
HC-4	6/14/95	6010	2.5	4	feet	Nickel	0	ug/kg
HC-4	6/14/95	6010	2.5	4	feet	Cadmium	0	ug/kg
HC-4	6/14/95	6010	2.5	4	feet	Arsenic	2,100	ug/kg
HC-4	6/14/95	6010	2.5	4	feet	Lead	0	ug/kg
HC-4	6/14/95	6010	2.5	4	feet	Zinc	0	ug/kg
HC-4	6/14/95	6010	2.5	4	feet	Copper	0	ug/kg
HC-4	6/14/95	6010	10	11.5	feet	Mercury	0	ug/kg
HC-4	6/14/95	6010	10	11.5	feet	Nickel	0	ug/kg
HC-4	6/14/95	6010	10	11.5	feet	Manganese	0	ug/kg
HC-4	6/14/95	6010	10	11.5	feet	Lead	0	ug/kg
HC-4	6/14/95	6010	10	11.5	feet	Zinc	0	ug/kg
HC-4	6/14/95	6010	10	11.5	feet	Cadmium	0	ug/kg
HC-4	6/14/95	6010	10	11.5	feet	Arsenic	7,000	ug/kg
HC-4	6/14/95	6010	10	11.5	feet	Chromium	0	ug/kg
HC-4	6/14/95	6010	10	11.5	feet	Copper	0	ug/kg
HC-4	6/14/95	6010	10	11.5	feet	Iron	0	ug/kg
HC-4	6/14/95	6010	14.5	16	feet	Copper	0	ug/kg
HC-4	6/14/95	6010	14.5	16	feet	Zinc	0	ug/kg
HC-4	6/14/95	6010	14.5	16	feet	Nickel	0	ug/kg
HC-4	6/14/95	6010	14.5	16	feet	Arsenic	1,700	ug/kg
HC-4	6/14/95	6010	14.5	16	feet	Iron	0	ug/kg
HC-4	6/14/95	6010	14.5	16	feet	Mercury	0	ug/kg
HC-4	6/14/95	6010	14.5	16	feet	Cadmium	0	ug/kg
HC-4	6/14/95	6010	14.5	16	feet	Lead	0	ug/kg
HC-4	6/14/95	6010	14.5	16	feet	Manganese	0	ug/kg
HC-4	6/14/95	6010	14.5	16	feet	Chromium	0	ug/kg
HC-5	6/15/95	6010	2.5	4	feet	Mercury	0	ug/kg
HC-5	6/15/95	6010	2.5	4	feet	Nickel	0	ug/kg
HC-5	6/15/95	6010	2.5	4	feet	Zinc	0	ug/kg
HC-5	6/15/95	6010	2.5	4	feet	Manganese	0	ug/kg
HC-5	6/15/95	6010	2.5	4	feet	Lead	0	ug/kg
HC-5	6/15/95	6010	2.5	4	feet	Iron	0	ug/kg
HC-5	6/15/95	6010	2.5	4	feet	Cadmium	0	ug/kg
HC-5	6/15/95	6010	2.5	4	feet	Copper	0	ug/kg
HC-5	6/15/95	6010	2.5	4	feet	Arsenic	31,000	ug/kg
HC-5	6/15/95	6010	2.5	4	feet	Chromium	0	ug/kg
HC-5	6/15/95	6010	12.5	14	feet	Iron	0	ug/kg
HC-5	6/15/95	6010	12.5	14	feet	Lead	0	ug/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration	Conc. Units
HC-5	6/15/95	6010	12.5	14	feet	Cadmium	0	µg/kg
HC-5	6/15/95	6010	12.5	14	feet	Manganese	0	µg/kg
HC-5	6/15/95	6010	12.5	14	feet	Chromium	0	µg/kg
HC-5	6/15/95	6010	12.5	14	feet	Nickel	0	µg/kg
HC-5	6/15/95	6010	12.5	14	feet	Mercury	0	µg/kg
HC-5	6/15/95	6010	12.5	14	feet	Zinc	0	µg/kg
HC-5	6/15/95	6010	12.5	14	feet	Copper	0	µg/kg
HC-5	6/15/95	6010	12.5	14	feet	Arsenic	6,600	µg/kg
HC-6	6/15/95	6010	17.5	19	feet	Arsenic	1,700	µg/kg
HC-6	6/15/95	6010	17.5	19	feet	Manganese	0	µg/kg
HC-6	6/15/95	6010	17.5	19	feet	Zinc	0	µg/kg
HC-6	6/15/95	6010	17.5	19	feet	Nickel	0	µg/kg
HC-6	6/15/95	6010	17.5	19	feet	Mercury	0	µg/kg
HC-6	6/15/95	6010	17.5	19	feet	Lead	0	µg/kg
HC-6	6/15/95	6010	17.5	19	feet	Iron	0	µg/kg
HC-6	6/15/95	6010	17.5	19	feet	Copper	0	µg/kg
HC-6	6/15/95	6010	17.5	19	feet	Cadmium	0	µg/kg
HC-6	6/15/95	6010	17.5	19	feet	Chromium	0	µg/kg
HC-7	6/15/95	6010	2.5	4	feet	Iron	0	µg/kg
HC-7	6/15/95	6010	2.5	4	feet	Chromium	0	µg/kg
HC-7	6/15/95	6010	2.5	4	feet	Zinc	0	µg/kg
HC-7	6/15/95	6010	2.5	4	feet	Nickel	0	µg/kg
HC-7	6/15/95	6010	2.5	4	feet	Mercury	0	µg/kg
HC-7	6/15/95	6010	2.5	4	feet	Manganese	0	µg/kg
HC-7	6/15/95	6010	2.5	4	feet	Lead	0	µg/kg
HC-7	6/15/95	6010	2.5	4	feet	Cadmium	0	µg/kg
HC-7	6/15/95	6010	2.5	4	feet	Copper	0	µg/kg
HC-7	6/15/95	6010	2.5	4	feet	Arsenic	2,800	µg/kg
HC-7	6/15/95	6010	12.5	14	feet	Chromium	0	µg/kg
HC-7	6/15/95	6010	12.5	14	feet	Copper	0	µg/kg
HC-7	6/15/95	6010	12.5	14	feet	Zinc	0	µg/kg
HC-7	6/15/95	6010	12.5	14	feet	Arsenic	3,600	µg/kg
HC-7	6/15/95	6010	12.5	14	feet	Mercury	0	µg/kg
HC-7	6/15/95	6010	12.5	14	feet	Cadmium	0	µg/kg
HC-7	6/15/95	6010	12.5	14	feet	Manganese	0	µg/kg
HC-7	6/15/95	6010	12.5	14	feet	Lead	0	µg/kg
HC-7	6/15/95	6010	12.5	14	feet	Iron	0	µg/kg
HC-7	6/15/95	6010	12.5	14	feet	Nickel	0	µg/kg
HC-8	6/15/95	6010	5	5.5	feet	Chromium	0	µg/kg
HC-8	6/15/95	6010	5	5.5	feet	Manganese	0	µg/kg
HC-8	6/15/95	6010	5	5.5	feet	Copper	0	µg/kg
HC-8	6/15/95	6010	5	5.5	feet	Iron	0	µg/kg
HC-8	6/15/95	6010	5	5.5	feet	Mercury	0	µg/kg
HC-8	6/15/95	6010	5	5.5	feet	Nickel	0	µg/kg
HC-8	6/15/95	6010	5	5.5	feet	Zinc	0	µg/kg
HC-8	6/15/95	6010	5	5.5	feet	Cadmium	0	µg/kg
HC-8	6/15/95	6010	5	5.5	feet	Lead	0	µg/kg
HC-8	6/15/95	6010	5	5.5	feet	Arsenic	3,900	µg/kg
HC-8	6/15/95	6010	10	11.5	feet	Zinc	0	µg/kg
HC-8	6/15/95	6010	10	11.5	feet	Mercury	0	µg/kg
HC-8	6/15/95	6010	10	11.5	feet	Nickel	0	µg/kg
HC-8	6/15/95	6010	10	11.5	feet	Manganese	0	µg/kg
HC-8	6/15/95	6010	10	11.5	feet	Lead	0	µg/kg
HC-8	6/15/95	6010	10	11.5	feet	Arsenic	6,300	µg/kg
HC-8	6/15/95	6010	10	11.5	feet	Iron	0	µg/kg
HC-8	6/15/95	6010	10	11.5	feet	Cadmium	0	µg/kg
HC-8	6/15/95	6010	10	11.5	feet	Copper	0	µg/kg
HC-8	6/15/95	6010	10	11.5	feet	Chromium	0	µg/kg
HC-8	6/15/95	6010	25	26.5	feet	Iron	0	µg/kg
HC-8	6/15/95	6010	25	26.5	feet	Zinc	0	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
HC-8	6/15/95	6010	25	26.5	feet	Arsenic	2,300		µg/kg
HC-8	6/15/95	6010	25	26.5	feet	Cadmium	0		µg/kg
HC-8	6/15/95	6010	25	26.5	feet	Mercury	0		µg/kg
HC-8	6/15/95	6010	25	26.5	feet	Chromium	0		µg/kg
HC-8	6/15/95	6010	25	26.5	feet	Manganese	0		µg/kg
HC-8	6/15/95	6010	25	26.5	feet	Copper	0		µg/kg
HC-8	6/15/95	6010	25	26.5	feet	Lead	0		µg/kg
HC-8	6/15/95	6010	25	26.5	feet	Nickel	0		µg/kg
TP-1	6/19/95	6010	1	3	feet	Cadmium	900		µg/kg
TP-1	6/19/95	6010	1	3	feet	Manganese	0		µg/kg
TP-1	6/19/95	6010	1	3	feet	Zinc	94,100		µg/kg
TP-1	6/19/95	6010	1	3	feet	Nickel	53,000		µg/kg
TP-1	6/19/95	6010	1	3	feet	Mercury	60	U	µg/kg
TP-1	6/19/95	6010	1	3	feet	Lead	74,000		µg/kg
TP-1	6/19/95	6010	1	3	feet	Iron	0		µg/kg
TP-1	6/19/95	6010	1	3	feet	Chromium	42,600		µg/kg
TP-1	6/19/95	6010	1	3	feet	Arsenic	7,500		µg/kg
TP-1	6/19/95	6010	1	3	feet	Copper	0		µg/kg
TP-4	6/19/95	6010	1	3	feet	Zinc	50,800		µg/kg
TP-4	6/19/95	6010	1	3	feet	Arsenic	4,900		µg/kg
TP-4	6/19/95	6010	1	3	feet	Cadmium	120		µg/kg
TP-4	6/19/95	6010	1	3	feet	Chromium	29,300		µg/kg
TP-4	6/19/95	6010	1	3	feet	Copper	0		µg/kg
TP-4	6/19/95	6010	1	3	feet	Iron	0		µg/kg
TP-4	6/19/95	6010	1	3	feet	Lead	23,000		µg/kg
TP-4	6/19/95	6010	1	3	feet	Manganese	0		µg/kg
TP-4	6/19/95	6010	1	3	feet	Mercury	60	U	µg/kg
TP-4	6/19/95	6010	1	3	feet	Nickel	34,000		µg/kg

5. TABLE SOIL BTEX. SUMMARY OF BTEX CONCENTRATIONS IN SOIL

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
BH-10	5/1/83	EPA8240	6	7.5	feet	Ethylbenzene			µg/kg
BH-10	5/1/83	EPA8240	6	7.5	feet	Toluene	200	UJ	µg/kg
BH-10	5/1/83	EPA8240	6	7.5	feet	Xylene(Total)	400	UJ	µg/kg
BH-10	5/1/83	EPA8240	6	7.5	feet	Benzene	200	UJ	µg/kg
BH-11	5/1/83	EPA8240	18	19.5	feet	Xylene(Total)	400	UJ	µg/kg
BH-11	5/1/83	EPA8240	18	19.5	feet	Benzene	200	UJ	µg/kg
BH-11	5/1/83	EPA8240	18	19.5	feet	Ethylbenzene			µg/kg
BH-11	5/1/83	EPA8240	18	19.5	feet	Toluene	200	UJ	µg/kg
BH-2	5/1/83	EPA8240	3	4.5	feet	Xylene(Total)	400	UJ	µg/kg
BH-2	5/1/83	EPA8240	3	4.5	feet	Toluene	200	UJ	µg/kg
BH-2	5/1/83	EPA8240	3	4.5	feet	Benzene	200	UJ	µg/kg
BH-2	5/1/83	EPA8240	3	4.5	feet	Ethylbenzene			µg/kg
BH-28	6/15/95	EPA8240	2.5	4	feet	Toluene	64	U	µg/kg
BH-28	6/15/95	EPA8240	2.5	4	feet	Ethylbenzene	64	U	µg/kg
BH-28	6/15/95	EPA8240	2.5	4	feet	Benzene	64	U	µg/kg
BH-28	6/15/95	EPA8240	2.5	4	feet	Xylene(Total)	64	U	µg/kg
BH-28	6/15/95	EPA8240	7.5	9	feet	Xylene(Total)	62	U	µg/kg
BH-28	6/15/95	EPA8240	7.5	9	feet	Ethylbenzene	62	U	µg/kg
BH-28	6/15/95	EPA8240	7.5	9	feet	Benzene	62	U	µg/kg
BH-28	6/15/95	EPA8240	7.5	9	feet	Toluene	62	U	µg/kg
BH-4	5/1/83	EPA8240	10.5	12	feet	Benzene	300	J	µg/kg
BH-4	5/1/83	EPA8240	10.5	12	feet	Ethylbenzene			µg/kg
BH-4	5/1/83	EPA8240	10.5	12	feet	Toluene	200	UJ	µg/kg
BH-4	5/1/83	EPA8240	10.5	12	feet	Xylene(Total)	400	UJ	µg/kg
BH-6	5/1/83	EPA8240	6	7.5	feet	Benzene	200	UJ	µg/kg
BH-6	5/1/83	EPA8240	6	7.5	feet	Ethylbenzene			µg/kg
BH-6	5/1/83	EPA8240	6	7.5	feet	Toluene	200	UJ	µg/kg
BH-6	5/1/83	EPA8240	6	7.5	feet	Xylene(Total)	400	UJ	µg/kg
BH-7	5/1/83	EPA8240	3	19	feet	Toluene	10,150	UJ	µg/kg
BH-7	5/1/83	EPA8240	3	19	feet	Ethylbenzene	27,000	UJ	µg/kg
BH-7	5/1/83	EPA8240	3	19	feet	Benzene	1,130	J	µg/kg
BH-7	5/1/83	EPA8240	3	19	feet	Xylene(Total)			µg/kg
BH-9	5/1/83	EPA8240	0	19.5	feet	Benzene	3,300	J	µg/kg
BH-9	5/1/83	EPA8240	0	19.5	feet	Ethylbenzene	34,600	UJ	µg/kg
BH-9	5/1/83	EPA8240	0	19.5	feet	Toluene	12,000	UJ	µg/kg
BH-9	5/1/83	EPA8240	0	19.5	feet	Xylene(Total)			µg/kg
BH-9	5/1/83	EPA8240	12.5	14	feet	Benzene	2,100	J	µg/kg
BH-9	5/1/83	EPA8240	12.5	14	feet	Ethylbenzene			µg/kg
BH-9	5/1/83	EPA8240	12.5	14	feet	Toluene	5,200	J	µg/kg
BH-9	5/1/83	EPA8240	12.5	14	feet	Xylene(Total)	7,300	J	µg/kg
HC-1	6/14/95	EPA8240	5	5.5	feet	Toluene	56	U	µg/kg
HC-1	6/14/95	EPA8240	5	5.5	feet	Xylene(Total)	56	U	µg/kg
HC-1	6/14/95	EPA8240	5	5.5	feet	Benzene	56	U	µg/kg
HC-1	6/14/95	EPA8240	5	5.5	feet	Ethylbenzene	56	U	µg/kg
HC-1	6/14/95	EPA8240	10	11.5	feet	Ethylbenzene	100	U	µg/kg
HC-1	6/14/95	EPA8240	10	11.5	feet	Benzene	100	U	µg/kg
HC-1	6/14/95	EPA8240	10	11.5	feet	Xylene(Total)	100	U	µg/kg
HC-1	6/14/95	EPA8240	10	11.5	feet	Toluene	100	U	µg/kg
HC-2	6/14/95	EPA8240	2.5	4	feet	Ethylbenzene	56	U	µg/kg
HC-2	6/14/95	EPA8240	2.5	4	feet	Xylene(Total)	56	U	µg/kg
HC-2	6/14/95	EPA8240	2.5	4	feet	Benzene	56	U	µg/kg
HC-2	6/14/95	EPA8240	2.5	4	feet	Toluene	56	U	µg/kg
HC-2	6/14/95	EPA8240	7.5	9	feet	Toluene	220		µg/kg
HC-2	6/14/95	EPA8240	7.5	9	feet	Ethylbenzene	3,300		µg/kg
HC-2	6/14/95	EPA8240	7.5	9	feet	Benzene	170		µg/kg
HC-2	6/14/95	EPA8240	7.5	9	feet	Xylene(Total)	6,600		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
HC-2	6/14/95	EPA8240	17.5	19	feet	Toluene	110	U	µg/kg
HC-2	6/14/95	EPA8240	17.5	19	feet	Benzene	110	U	µg/kg
HC-2	6/14/95	EPA8240	17.5	19	feet	Xylene(Total)	110	U	µg/kg
HC-2	6/14/95	EPA8240	17.5	19	feet	Ethylbenzene	110	U	µg/kg
HC-3	6/14/95	EPA8240	2.5	4	feet	Xylene(Total)	59	U	µg/kg
HC-3	6/14/95	EPA8240	2.5	4	feet	Benzene	59	U	µg/kg
HC-3	6/14/95	EPA8240	2.5	4	feet	Ethylbenzene	59	U	µg/kg
HC-3	6/14/95	EPA8240	2.5	4	feet	Toluene	59	U	µg/kg
HC-3	6/14/95	EPA8240	7.5	9	feet	Xylene(Total)	73	U	µg/kg
HC-3	6/14/95	EPA8240	7.5	9	feet	Toluene	73	U	µg/kg
HC-3	6/14/95	EPA8240	7.5	9	feet	Ethylbenzene	73	U	µg/kg
HC-3	6/14/95	EPA8240	7.5	9	feet	Benzene	73	U	µg/kg
HC-3	6/14/95	EPA8240	13	14.5	feet	Toluene	61	U	µg/kg
HC-3	6/14/95	EPA8240	13	14.5	feet	Ethylbenzene	61	U	µg/kg
HC-3	6/14/95	EPA8240	13	14.5	feet	Benzene	61	U	µg/kg
HC-3	6/14/95	EPA8240	13	14.5	feet	Xylene(Total)	61	U	µg/kg
HC-4	6/14/95	EPA8240	2.5	4	feet	Benzene	53	U	µg/kg
HC-4	6/14/95	EPA8240	2.5	4	feet	Toluene	53	U	µg/kg
HC-4	6/14/95	EPA8240	2.5	4	feet	Xylene(Total)	53	U	µg/kg
HC-4	6/14/95	EPA8240	2.5	4	feet	Ethylbenzene	53	U	µg/kg
HC-4	6/14/95	EPA8240	10	11.5	feet	Xylene(Total)	7,500		µg/kg
HC-4	6/14/95	EPA8240	10	11.5	feet	Toluene	140	U	µg/kg
HC-4	6/14/95	EPA8240	10	11.5	feet	Ethylbenzene	4,700		µg/kg
HC-4	6/14/95	EPA8240	10	11.5	feet	Benzene	350		µg/kg
HC-4	6/14/95	EPA8240	14.5	16	feet	Toluene	56	U	µg/kg
HC-4	6/14/95	EPA8240	14.5	16	feet	Ethylbenzene	1,100		µg/kg
HC-4	6/14/95	EPA8240	14.5	16	feet	Xylene(Total)	1,110		µg/kg
HC-4	6/14/95	EPA8240	14.5	16	feet	Benzene	1,400		µg/kg
HC-5	6/15/95	EPA8240	2.5	4	feet	Ethylbenzene	10,000		µg/kg
HC-5	6/15/95	EPA8240	2.5	4	feet	Toluene	14,000		µg/kg
HC-5	6/15/95	EPA8240	2.5	4	feet	Xylene(Total)	31,000		µg/kg
HC-5	6/15/95	EPA8240	2.5	4	feet	Benzene	1,800		µg/kg
HC-5	6/15/95	EPA8240	12.5	14	feet	Toluene	3,300		µg/kg
HC-5	6/15/95	EPA8240	12.5	14	feet	Xylene(Total)	13,700		µg/kg
HC-5	6/15/95	EPA8240	12.5	14	feet	Benzene	640		µg/kg
HC-5	6/15/95	EPA8240	12.5	14	feet	Ethylbenzene	4,800		µg/kg
HC-6	6/15/95	EPA8240	17.5	19	feet	Benzene	54	U	µg/kg
HC-6	6/15/95	EPA8240	17.5	19	feet	Ethylbenzene	54	U	µg/kg
HC-6	6/15/95	EPA8240	17.5	19	feet	Toluene	54	U	µg/kg
HC-6	6/15/95	EPA8240	17.5	19	feet	Xylene(Total)	54	U	µg/kg
HC-7	6/15/95	EPA8240	2.5	4	feet	Xylene(Total)	58	U	µg/kg
HC-7	6/15/95	EPA8240	2.5	4	feet	Benzene	58	U	µg/kg
HC-7	6/15/95	EPA8240	2.5	4	feet	Ethylbenzene	58	U	µg/kg
HC-7	6/15/95	EPA8240	2.5	4	feet	Toluene	58	U	µg/kg
HC-7	6/15/95	EPA8240	12.5	14	feet	Xylene(Total)	187,000		µg/kg
HC-7	6/15/95	EPA8240	12.5	14	feet	Ethylbenzene	92,000		µg/kg
HC-7	6/15/95	EPA8240	12.5	14	feet	Benzene	4,400		µg/kg
HC-7	6/15/95	EPA8240	12.5	14	feet	Toluene	26,000		µg/kg
HC-8	6/15/95	EPA8240	5	6.5	feet	Ethylbenzene	280		µg/kg
HC-8	6/15/95	EPA8240	5	6.5	feet	Xylene(Total)	132		µg/kg
HC-8	6/15/95	EPA8240	5	6.5	feet	Toluene	59	U	µg/kg
HC-8	6/15/95	EPA8240	5	6.5	feet	Benzene	59	U	µg/kg
HC-8	6/15/95	EPA8240	10	11.5	feet	Xylene(Total)	64	U	µg/kg
HC-8	6/15/95	EPA8240	10	11.5	feet	Toluene	64	U	µg/kg
HC-8	6/15/95	EPA8240	10	11.5	feet	Ethylbenzene	64	U	µg/kg
HC-8	6/15/95	EPA8240	10	11.5	feet	Benzene	64	U	µg/kg
HC-8	6/15/95	EPA8240	25	26.5	feet	Toluene	62	U	µg/kg
HC-8	6/15/95	EPA8240	25	26.5	feet	Benzene	62	U	µg/kg
HC-8	6/15/95	EPA8240	25	26.5	feet	Xylene(Total)	62	U	µg/kg
HC-8	6/15/95	EPA8240	25	26.5	feet	Ethylbenzene	62	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
HC-8	6/15/95	EPA8240	35	35.5	feet	Ethylbenzene	59	U	ug/kg
HC-8	6/15/95	EPA8240	35	35.5	feet	Toluene	59	U	ug/kg
HC-8	6/15/95	EPA8240	35	35.5	feet	Xylene(Total)	59	U	ug/kg
HC-8	6/15/95	EPA8240	35	35.5	feet	Benzene	59	U	ug/kg

5B. TABLE SOIL PCP. SUMMARY OF PENTACHLOROPHENOL CONCENTRATIONS IN SOIL

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
BH-17B	12/21/88	EPA8270	1.5	1.5	feet	Pentachlorophenol	320	U	µg/kg
BH-17B	12/21/88	EPA8270	7.5	7.5	feet	Pentachlorophenol	280	U	µg/kg
BH-17B	12/22/88	EPA8270	13.5	13.5	feet	Pentachlorophenol	350	U	µg/kg
BH-17B	12/22/88	EPA8270	18.5	18.5	feet	Pentachlorophenol	340	U	µg/kg
BH-17B	12/22/88	EPA8270	23.5	23.5	feet	Pentachlorophenol	310	U	µg/kg
BH-18B	12/5/1900	EPA8270	12.5	12.5	feet	Pentachlorophenol	830	U	µg/kg
BH-18B	12/14/88	EPA8270	9	9	feet	Pentachlorophenol	620	U	µg/kg
BH-18B	12/15/88	EPA8270	17.5	17.5	feet	Pentachlorophenol	400	U	µg/kg
BH-18B	12/15/88	EPA8270	22.5	22.5	feet	Pentachlorophenol	280	U	µg/kg
BH-18B	12/15/88	EPA8270	37.5	37.5	feet	Pentachlorophenol	250	U	µg/kg
BH-19	12/19/88	EPA8270	3	3	feet	Pentachlorophenol	12,000	U	µg/kg
BH-19	12/19/88	EPA8270	5	5	feet	Pentachlorophenol	8,100	U	µg/kg
BH-19	12/19/88	EPA8270	12.5	12.5	feet	Pentachlorophenol	380	U	µg/kg
BH-19	12/19/88	EPA8270	18	18	feet	Pentachlorophenol	900	U	µg/kg
BH-20B	12/19/88	EPA8270	3	3	feet	Pentachlorophenol	630	U	µg/kg
BH-20B	12/19/88	EPA8270	8	8	feet	Pentachlorophenol	550	U	µg/kg
BH-20B	12/20/88	EPA8270	12.5	12.5	feet	Pentachlorophenol	470	U	µg/kg
BH-20B	12/20/88	EPA8270	17.5	17.5	feet	Pentachlorophenol	700	U	µg/kg
BH-20B	12/20/88	EPA8270	22.5	22.5	feet	Pentachlorophenol	350	U	µg/kg
BH-20B	12/20/88	EPA8270	27.5	27.5	feet	Pentachlorophenol	280	U	µg/kg
BH-20B	12/20/88	EPA8270	32.5	32.5	feet	Pentachlorophenol	350	U	µg/kg
BH-20B	12/20/88	EPA8270	37.5	37.5	feet	Pentachlorophenol	290	U	µg/kg
BH-20B	12/20/88	EPA8270	42.5	42.5	feet	Pentachlorophenol	260	U	µg/kg
BH-21B	12/6/88	EPA8270	0	0	feet	Pentachlorophenol	400	U	µg/kg
BH-21B	12/23/88	EPA8270	3	3	feet	Pentachlorophenol	850	U	µg/kg
BH-21B	12/23/88	EPA8270	9	9	feet	Pentachlorophenol	340	U	µg/kg
BH-21B	12/23/88	EPA8270	13.5	13.5	feet	Pentachlorophenol	860	U	µg/kg
BH-21B	12/23/88	EPA8270	18.5	18.5	feet	Pentachlorophenol	870	U	µg/kg
BH-21B	12/23/88	EPA8270	23.5	23.5	feet	Pentachlorophenol	480	U	µg/kg
BH-21B	12/23/88	EPA8270	28	28	feet	Pentachlorophenol	320	U	µg/kg
BH-21B	12/23/88	EPA8270	38	38	feet	Pentachlorophenol	270	U	µg/kg
BH-22	12/6/88	EPA8270	13	13	feet	Pentachlorophenol	460	U	µg/kg
BH-22	12/6/88	EPA8270	18	18	feet	Pentachlorophenol	390	U	µg/kg
BH-22	12/6/88	EPA8270	23	23	feet	Pentachlorophenol	370	U	µg/kg
BH-22	12/6/88	EPA8270	28	28	feet	Pentachlorophenol	360	U	µg/kg
BH-23	12/28/88	EPA8270	1.5	1.5	feet	Pentachlorophenol	410	U	µg/kg
BH-23	12/28/88	EPA8270	7.5	7.5	feet	Pentachlorophenol	410	U	µg/kg
BH-23	12/28/88	EPA8270	13	13	feet	Pentachlorophenol	1,900	U	µg/kg
BH-23	12/28/88	EPA8270	18	18	feet	Pentachlorophenol	8,400	U	µg/kg
BH-23	12/28/88	EPA8270	23	23	feet	Pentachlorophenol	930	U	µg/kg
BH-24	7/31/90	EPA8270	2	4	feet	Pentachlorophenol	850	U	µg/kg
BH-24	7/31/90	EPA8270	17	19	feet	Pentachlorophenol	4,500	U	µg/kg
BH-24	7/31/90	EPA8270	22	24	feet	Pentachlorophenol	1,200	U	µg/kg
BH-25B	8/2/90	EPA8270	4	6	feet	Pentachlorophenol	850	U	µg/kg
BH-25B	8/2/90	EPA8270	8	10	feet	Pentachlorophenol	850	U	µg/kg
BH-25B	8/2/90	EPA8270	10	12	feet	Pentachlorophenol	850	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
BH-25B	8/2/90	EPA8270	17	18	feet	Pentachlorophenol	1,400	U	µg/kg
BH-25B	8/2/90	EPA8270	27	28	feet	Pentachlorophenol	1,600	U	µg/kg
BH-26A	8/6/90	EPA8270	2	4	feet	Pentachlorophenol	850	U	µg/kg
BH-26A	8/6/90	EPA8270	8	10	feet	Pentachlorophenol	850	U	µg/kg
BH-26A	8/6/90	EPA8270	10	12	feet	Pentachlorophenol	850	U	µg/kg
BH-26A	8/6/90	EPA8270	13	14	feet	Pentachlorophenol	850	U	µg/kg
BH-26A	8/6/90	EPA8270	23	25	feet	Pentachlorophenol	850	U	µg/kg
BH-27	8/1/90	EPA8270	5	9	feet	Pentachlorophenol	42,000	U	µg/kg
BH-27	8/1/90	EPA8270	10	11	feet	Pentachlorophenol	1,800	U	µg/kg
BH-27	8/1/90	EPA8270	22.5	24	feet	Pentachlorophenol	850	U	µg/kg
BH-28	6/15/95	EPA8270	2.5	4	feet	Pentachlorophenol	420	U	µg/kg
BH-28	6/15/95	EPA8270	7.5	9	feet	Pentachlorophenol	430	U	µg/kg
BH-28	6/15/95	EPA8270	10	11.5	feet	Pentachlorophenol			µg/kg
BH-28	6/15/95	EPA8270	13	14.5	feet	Pentachlorophenol			µg/kg
BH-28	6/15/95	EPA8270	15	16.5	feet	Pentachlorophenol			µg/kg
BH-31B	12/23/88	EPA8270			feet	Pentachlorophenol	250	U	µg/kg
BH-31B	12/23/88	EPA8270			feet	Pentachlorophenol	300	U	µg/kg
BH-7	5/1/93	EPA8270	8	19	feet	Pentachlorophenol	200	UJ	µg/kg
BH-9	5/1/93	EPA8270	0	19.5	feet	Pentachlorophenol	200	UJ	µg/kg
HC-1	6/14/95	EPA8270	6	6.5	feet	Pentachlorophenol	380	U	µg/kg
HC-1	6/14/95	EPA8270	10	11.5	feet	Pentachlorophenol	670	U	µg/kg
HC-2	6/14/95	EPA8270	2.5	4	feet	Pentachlorophenol	360	U	µg/kg
HC-2	6/14/95	EPA8270	7.5	9	feet	Pentachlorophenol	15,000	UJ	µg/kg
HC-2	6/14/95	EPA8270	12.5	14	feet	Pentachlorophenol	0		µg/kg
HC-2	6/14/95	EPA8270	17.5	19	feet	Pentachlorophenol	790	U	µg/kg
HC-2	6/14/95	EPA8270	22.5	24	feet	Pentachlorophenol	0		µg/kg
HC-3	6/14/95	EPA8270	2.5	4	feet	Pentachlorophenol	370	U	µg/kg
HC-3	6/14/95	EPA8270	7.5	9	feet	Pentachlorophenol	480	U	µg/kg
HC-3	6/14/95	EPA8270	13	14.5	feet	Pentachlorophenol	410	U	µg/kg
HC-3	6/14/95	EPA8270	19	20.5	feet	Pentachlorophenol	0		µg/kg
HC-3	6/14/95	EPA8270	22	23.5	feet	Pentachlorophenol	0		µg/kg
HC-4	6/14/95	EPA8270	2.5	4	feet	Pentachlorophenol	350	U	µg/kg
HC-4	6/14/95	EPA8270	10	11.5	feet	Pentachlorophenol	900	U	µg/kg
HC-4	6/14/95	EPA8270	14.5	16	feet	Pentachlorophenol	400	U	µg/kg
HC-4	6/14/95	EPA8270	19	20.5	feet	Pentachlorophenol	0		µg/kg
HC-4	6/14/95	EPA8270	22	23.5	feet	Pentachlorophenol	0		µg/kg
HC-5	6/15/95	EPA8270	2.5	4	feet	Pentachlorophenol	30,000	U	µg/kg
HC-5	6/15/95	EPA8270	7.5	9	feet	Pentachlorophenol	0		µg/kg
HC-5	6/15/95	EPA8270	10	11.5	feet	Pentachlorophenol	0		µg/kg
HC-5	6/15/95	EPA8270	12.5	14	feet	Pentachlorophenol	13,000	U	µg/kg
HC-5	6/15/95	EPA8270	17.5	19	feet	Pentachlorophenol	0		µg/kg
HC-6	6/15/95	EPA8270	2.5	4	feet	Pentachlorophenol			µg/kg
HC-6	6/15/95	EPA8270	7.5	9	feet	Pentachlorophenol			µg/kg
HC-6	6/15/95	EPA8270	11.5	13	feet	Pentachlorophenol			µg/kg
HC-6	6/15/95	EPA8270	14.5	16	feet	Pentachlorophenol			µg/kg
HC-6	6/15/95	EPA8270	17.5	19	feet	Pentachlorophenol	420	U	µg/kg
HC-7	6/15/95	EPA8270	2.5	4	feet	Pentachlorophenol	380	U	µg/kg
HC-7	6/15/95	EPA8270	5	6.5	feet	Pentachlorophenol			µg/kg
HC-7	6/15/95	EPA8270	7.5	9	feet	Pentachlorophenol			µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
HC-7	6/15/95	EPA8270	10	11.5	feet	Pentachlorophenol			µg/kg
HC-7	6/15/95	EPA8270	12.5	14	feet	Pentachlorophenol	41,000	U	µg/kg
HC-8	6/15/95	EPA8270	5	5.5	feet	Pentachlorophenol	3,900	U	µg/kg
HC-8	6/15/95	EPA8270	10	11.5	feet	Pentachlorophenol	7,700	U	µg/kg
HC-8	6/15/95	EPA8270	15	16.5	feet	Pentachlorophenol			µg/kg
HC-8	6/15/95	EPA8270	25	26.5	feet	Pentachlorophenol	390	U	µg/kg
HC-8	6/15/95	EPA8270	35	36.5	feet	Pentachlorophenol			µg/kg
TP-1	6/13/95	EPA8270	6.5	7	feet	Pentachlorophenol			µg/kg
TP-2	6/13/95	EPA8270	3.5	4	feet	Pentachlorophenol			µg/kg
TP-4	6/13/95	EPA8270	8	8.5	feet	Pentachlorophenol			µg/kg
TP-4	6/13/95	EPA8270	9.5	10	feet	Pentachlorophenol			µg/kg
TP-4(1)	6/13/95	EPA8270	8	8.5	feet	Pentachlorophenol			µg/kg
TP-5	6/13/95	EPA8270	7	8	feet	Pentachlorophenol			µg/kg

Appendix B

Analytical Results for Groundwater

NOTES:

B - detected in associated method blank

J - estimated quantity

M - estimated concentration with low spectral match parameters

U - not detected at detection limit shown

Total PAHs in groundwater—Total PAHs in groundwater were calculated by adding all concentrations above the detection limit and including half the value of concentrations reported at the detection limit (U) in the summation.

Total carcinogenic PAHs in groundwater—Total carcinogenic PAHs in groundwater were calculated by adding all concentrations above the detection limit and including half the value of concentrations reported at the detection limit (U) in the summation.

Carcinogenic PAHs include benz[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, chrysene, dibenz[a,h]anthracene, and indeno[1,2,3-cd]pyrene.

Source: RETEC (1998)

6. TABLE CN GROUNDWATER PAH. SUMMARY OF INDIVIDUAL PAH CONCENTRATIONS IN GROUNDWATER

Station	Date	Method	Analyte	Concentration		Conc. Units
BAX-9	1/11/89	EPA8270	Fluorene	5		µg/L
BAX-9	1/11/89	EPA8270	2-Methylnaphthalene	6		µg/L
BAX-9	1/11/89	EPA8270	Pyrene	7		µg/L
BAX-9	1/11/89	EPA8270	Naphthalene	49		µg/L
BAX-9	1/11/89	EPA8270	Fluoranthene	6		µg/L
BAX-9	1/11/89	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BAX-9	1/11/89	EPA8270	Chrysene	4		µg/L
BAX-9	1/11/89	EPA8270	Acenaphthene	2		µg/L
BAX-9	1/11/89	EPA8270	Benzo(b,k)fluoranthene	6		µg/L
BAX-9	1/11/89	EPA8270	Benzo(a)pyrene	4		µg/L
BAX-9	1/11/89	EPA8270	Benzo(a)anthracene	3		µg/L
BAX-9	1/11/89	EPA8270	Anthracene	3		µg/L
BAX-9	1/11/89	EPA8270	Acenaphthylene	3		µg/L
BAX-9	1/11/89	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BAX-9	1/11/89	EPA8270	Phenanthrene	13		µg/L
BAX-9	6/1/89	EPA8270	Benzo(k)fluoranthene			µg/L
BAX-9	6/1/89	EPA8270	Chrysene	0.7	M	µg/L
BAX-9	6/1/89	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BAX-9	6/1/89	EPA8270	Fluoranthene	0.4	J	µg/L
BAX-9	6/1/89	EPA8270	Pyrene	0.7	J	µg/L
BAX-9	6/1/89	EPA8270	Phenanthrene	1	U	µg/L
BAX-9	6/1/89	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L
BAX-9	6/1/89	EPA8270	Acenaphthene	1	U	µg/L
BAX-9	6/1/89	EPA8270	2-Methylnaphthalene	1	U	µg/L
BAX-9	6/1/89	EPA8270	Naphthalene	38		µg/L
BAX-9	6/1/89	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BAX-9	6/1/89	EPA8270	Benzo(b,k)fluoranthene	1	U	µg/L
BAX-9	6/1/89	EPA8270	Benzo(b)fluoranthene			µg/L
BAX-9	6/1/89	EPA8270	Benzo(a)pyrene	1	U	µg/L
BAX-9	6/1/89	EPA8270	Benzo(a)anthracene	1	U	µg/L
BAX-9	6/1/89	EPA8270	Fluorene	1	U	µg/L
BAX-9	6/1/89	EPA8270	Acenaphthylene	1	U	µg/L
BAX-9	6/1/89	EPA8270	Anthracene	1	U	µg/L
BAX-9	11/19/89	EPA8270	Pyrene	1	U	µg/L
BAX-9	11/19/89	EPA8270	Benzo(b,k)fluoranthene	1	U	µg/L
BAX-9	11/19/89	EPA8270	2-Methylnaphthalene	1	U	µg/L
BAX-9	11/19/89	EPA8270	Acenaphthene	1	U	µg/L
BAX-9	11/19/89	EPA8270	Acenaphthylene	1	U	µg/L
BAX-9	11/19/89	EPA8270	Anthracene	1	U	µg/L
BAX-9	11/19/89	EPA8270	Benzo(a)pyrene	1	U	µg/L
BAX-9	11/19/89	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BAX-9	11/19/89	EPA8270	Chrysene	1	U	µg/L
BAX-9	11/19/89	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BAX-9	11/19/89	EPA8270	Fluoranthene	1	U	µg/L
BAX-9	11/19/89	EPA8270	Fluorene	1	U	µg/L
BAX-9	11/19/89	EPA8270	Naphthalene	44		µg/L
BAX-9	11/19/89	EPA8270	Phenanthrene	1	U	µg/L
BAX-9	11/19/89	EPA8270	Benzo(a)anthracene	1	U	µg/L
BAX-9	3/12/90	EPA8270	Fluorene	1	U	µg/L
BAX-9	3/12/90	EPA8270	Anthracene	1	U	µg/L
BAX-9	3/12/90	EPA8270	Phenanthrene	1	U	µg/L
BAX-9	3/12/90	EPA8270	Pyrene	0.4		µg/L
BAX-9	3/12/90	EPA8270	2-Methylnaphthalene	1	U	µg/L
BAX-9	3/12/90	EPA8270	Acenaphthylene	1	U	µg/L
BAX-9	3/12/90	EPA8270	Benzo(a)anthracene	1	U	µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BAX-9	3/12/90	EPA8270	Benzo(a)pyrene	1	U	µg/L
BAX-9	3/12/90	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BAX-9	3/12/90	EPA8270	Chrysene	1	U	µg/L
BAX-9	3/12/90	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BAX-9	3/12/90	EPA8270	Fluoranthene	0.8	J	µg/L
BAX-9	3/12/90	EPA8270	Benzo(b,k)fluoranthene	1	U	µg/L
BAX-9	3/12/90	EPA8270	Acenaphthene	1	U	µg/L
BAX-9	3/12/90	EPA8270	Naphthalene	54		µg/L
BAX-9	1/17/96	EPA8270	Acenaphthene	2.9		µg/L
BAX-9	1/17/96	EPA8270	Benzo(b)fluoranthene	0.02	U	µg/L
BAX-9	1/17/96	EPA8270	2-Methylnaphthalene			µg/L
BAX-9	1/17/96	EPA8270	Benzo(a)pyrene	0.03	U	µg/L
BAX-9	1/17/96	EPA8270	Benzo(a)anthracene	0.02	U	µg/L
BAX-9	1/17/96	EPA8270	Acenaphthylene	8.6		µg/L
BAX-9	1/17/96	EPA8270	Benzo(g,h,i)perylene	0.08	U	µg/L
BAX-9	1/17/96	EPA8270	Fluorene	0.21	U	µg/L
BAX-9	1/17/96	EPA8270	Anthracene	0.06	U	µg/L
BAX-9	1/17/96	EPA8270	Chrysene	0.15	U	µg/L
BAX-9	1/17/96	EPA8270	Fluoranthene	0.21	U	µg/L
BAX-9	1/17/96	EPA8270	Indeno(1,2,3-cd)pyrene	0.06	U	µg/L
BAX-9	1/17/96	EPA8270	Naphthalene	69		µg/L
BAX-9	1/17/96	EPA8270	Phenanthrene	0.64	U	µg/L
BAX-9	1/17/96	EPA8270	Pyrene	0.27	U	µg/L
BAX-9	1/17/96	EPA8270	Benzo(k)fluoranthene	0.02	U	µg/L
BAX-9	1/17/96	EPA8270	Dibenz(a,h)anthracene	0.03	U	µg/L
BH-12	1/1/89	EPA8270	Chrysene	4		µg/L
BH-12	1/1/89	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BH-12	1/1/89	EPA8270	Fluoranthene	8		µg/L
BH-12	1/1/89	EPA8270	Fluorene	3		µg/L
BH-12	1/1/89	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L
BH-12	1/1/89	EPA8270	Naphthalene	15		µg/L
BH-12	1/1/89	EPA8270	Pyrene	7		µg/L
BH-12	1/1/89	EPA8270	Phenanthrene	12		µg/L
BH-12	1/1/89	EPA8270	Acenaphthene	4		µg/L
BH-12	1/1/89	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BH-12	1/1/89	EPA8270	2-Methylnaphthalene	7		µg/L
BH-12	1/1/89	EPA8270	Acenaphthylene	1	U	µg/L
BH-12	1/1/89	EPA8270	Benzo(a)anthracene	2		µg/L
BH-12	1/1/89	EPA8270	Benzo(a)pyrene	2		µg/L
BH-12	1/1/89	EPA8270	Benzo(b,k)fluoranthene	4		µg/L
BH-12	1/1/89	EPA8270	Anthracene	5		µg/L
BH-12A	11/1/89	EPA8270	2-Methylnaphthalene	1	U	µg/L
BH-12A	11/1/89	EPA8270	Acenaphthene	1	U	µg/L
BH-12A	11/1/89	EPA8270	Acenaphthylene	1	U	µg/L
BH-12A	11/1/89	EPA8270	Anthracene	1	U	µg/L
BH-12A	11/1/89	EPA8270	Benzo(a)anthracene	1	U	µg/L
BH-12A	11/1/89	EPA8270	Benzo(a)pyrene	1	U	µg/L
BH-12A	11/1/89	EPA8270	Benzo(b)fluoranthene	1	U	µg/L
BH-12A	11/1/89	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BH-12A	11/1/89	EPA8270	Fluoranthene	1	U	µg/L
BH-12A	11/1/89	EPA8270	Chrysene	1	U	µg/L
BH-12A	11/1/89	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BH-12A	11/1/89	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L
BH-12A	11/1/89	EPA8270	Naphthalene	1	U	µg/L
BH-12A	11/1/89	EPA8270	Phenanthrene	1	U	µg/L
BH-12A	11/1/89	EPA8270	Pyrene	1	U	µg/L
BH-12A	11/1/89	EPA8270	Benzo(k)fluoranthene	1	U	µg/L
BH-12A	11/1/89	EPA8270	Fluorene	1	U	µg/L
BH-12A	3/1/90	EPA8270	Benzo(a)anthracene	1	U	µg/L
BH-12A	3/1/90	EPA8270	Pyrene	1	U	µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BH-12A	3/1/90	EPA8270	2-Methylnaphthalene	1	U	µg/L
BH-12A	3/1/90	EPA8270	Acenaphthene	1	U	µg/L
BH-12A	3/1/90	EPA8270	Anthracene	1	U	µg/L
BH-12A	3/1/90	EPA8270	Benzo(a)pyrene	1	U	µg/L
BH-12A	3/1/90	EPA8270	Benzo(b)fluoranthene	1	U	µg/L
BH-12A	3/1/90	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BH-12A	3/1/90	EPA8270	Naphthalene	1	U	µg/L
BH-12A	3/1/90	EPA8270	Chrysene	1	U	µg/L
BH-12A	3/1/90	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BH-12A	3/1/90	EPA8270	Fluoranthene	1	U	µg/L
BH-12A	3/1/90	EPA8270	Fluorene	1	U	µg/L
BH-12A	3/1/90	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L
BH-12A	3/1/90	EPA8270	Benzo(k)fluoranthene	1	U	µg/L
BH-12A	3/1/90	EPA8270	Phenanthrene	1	U	µg/L
BH-12A	3/1/90	EPA8270	Acenaphthylene	1	U	µg/L
BH-17A	1/1/89	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BH-17A	1/1/89	EPA8270	Fluoranthene	1	U	µg/L
BH-17A	1/1/89	EPA8270	Fluorene	1	U	µg/L
BH-17A	1/1/89	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L
BH-17A	1/1/89	EPA8270	Naphthalene	1	U	µg/L
BH-17A	1/1/89	EPA8270	Pyrene	1	U	µg/L
BH-17A	1/1/89	EPA8270	Benzo(a)pyrene	1	U	µg/L
BH-17A	1/1/89	EPA8270	Phenanthrene	1	U	µg/L
BH-17A	1/1/89	EPA8270	Benzo(b,k)fluoranthene	1	U	µg/L
BH-17A	1/1/89	EPA8270	Benzo(a)anthracene	1	U	µg/L
BH-17A	1/1/89	EPA8270	Anthracene	1	U	µg/L
BH-17A	1/1/89	EPA8270	Acenaphthylene	1	U	µg/L
BH-17A	1/1/89	EPA8270	Acenaphthene	1	U	µg/L
BH-17A	1/1/89	EPA8270	2-Methylnaphthalene	1	U	µg/L
BH-17A	1/1/89	EPA8270	Chrysene	1	U	µg/L
BH-17A	1/1/89	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BH-17A	6/1/89	EPA8270	Phenanthrene	1	U	µg/L
BH-17A	6/1/89	EPA8270	Acenaphthene	7		µg/L
BH-17A	6/1/89	EPA8270	Anthracene	1	U	µg/L
BH-17A	6/1/89	EPA8270	Benzo(a)pyrene	1	U	µg/L
BH-17A	6/1/89	EPA8270	Benzo(b,k)fluoranthene	1	U	µg/L
BH-17A	6/1/89	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BH-17A	6/1/89	EPA8270	Chrysene	1	U	µg/L
BH-17A	6/1/89	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BH-17A	6/1/89	EPA8270	Fluoranthene	1	U	µg/L
BH-17A	6/1/89	EPA8270	Fluorene	1.7		µg/L
BH-17A	6/1/89	EPA8270	Naphthalene	16		µg/L
BH-17A	6/1/89	EPA8270	Pyrene	1	U	µg/L
BH-17A	6/1/89	EPA8270	Acenaphthylene	1	U	µg/L
BH-17A	6/1/89	EPA8270	2-Methylnaphthalene	1	U	µg/L
BH-17A	6/1/89	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L
BH-17A	6/1/89	EPA8270	Benzo(a)anthracene	1	U	µg/L
BH-17A	3/1/90	EPA8270	Benzo(b)fluoranthene	1	U	µg/L
BH-17A	3/1/90	EPA8270	Phenanthrene	1	U	µg/L
BH-17A	3/1/90	EPA8270	Acenaphthene	1	U	µg/L
BH-17A	3/1/90	EPA8270	Acenaphthylene	1	U	µg/L
BH-17A	3/1/90	EPA8270	Anthracene	1	U	µg/L
BH-17A	3/1/90	EPA8270	Benzo(a)pyrene	1	U	µg/L
BH-17A	3/1/90	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BH-17A	3/1/90	EPA8270	Benzo(k)fluoranthene	1	U	µg/L
BH-17A	3/1/90	EPA8270	Naphthalene	1	U	µg/L
BH-17A	3/1/90	EPA8270	Benzo(a)anthracene	1	U	µg/L
BH-17A	3/1/90	EPA8270	Pyrene	1	U	µg/L
BH-17A	3/1/90	EPA8270	Chrysene	1	U	µg/L
BH-17A	3/1/90	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BH-17A	3/1/90	EPA8270	2-Methylnaphthalene	1	U	µg/L
BH-17A	3/1/90	EPA8270	Fluorene	1	U	µg/L
BH-17A	3/1/90	EPA8270	Fluoranthene	1	U	µg/L
BH-17A	3/1/90	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BH-17A	11/1/90	EPA8270	Chrysene	1	U	µg/L
BH-17A	11/1/90	EPA8270	Benzo(a)anthracene	1	U	µg/L
BH-17A	11/1/90	EPA8270	Phenanthrene	1	U	µg/L
BH-17A	11/1/90	EPA8270	Naphthalene	0.8	J	µg/L
BH-17A	11/1/90	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L
BH-17A	11/1/90	EPA8270	Fluorene	1	U	µg/L
BH-17A	11/1/90	EPA8270	Fluoranthene	1	U	µg/L
BH-17A	11/1/90	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BH-17A	11/1/90	EPA8270	Pyrene	1	U	µg/L
BH-17A	11/1/90	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BH-17A	11/1/90	EPA8270	Benzo(a)pyrene	1	U	µg/L
BH-17A	11/1/90	EPA8270	Anthracene	1	U	µg/L
BH-17A	11/1/90	EPA8270	Acenaphthylene	1	U	µg/L
BH-17A	11/1/90	EPA8270	Acenaphthene	1	U	µg/L
BH-17A	11/1/90	EPA8270	2-Methylnaphthalene	1	U	µg/L
BH-17A	11/1/90	EPA8270	Benzo(k)fluoranthene	1	U	µg/L
BH-17A	11/1/90	EPA8270	Benzo(b)fluoranthene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Pyrene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Benzo(k)fluoranthene			µg/L
BH-17B	1/1/89	EPA8270	Benzo(k)fluoranthene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Chrysene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Fluoranthene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Fluorene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Phenanthrene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Benzo(b)fluoranthene			µg/L
BH-17B	1/1/89	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Naphthalene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Acenaphthylene	1	U	µg/L
BH-17B	1/1/89	EPA8270	2-Methylnaphthalene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Benzo(b)fluoranthene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Benzo(a)pyrene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Benzo(a)anthracene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Acenaphthene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Anthracene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Benzo(a)pyrene	1	U	µg/L
BH-17B	1/1/89	EPA8270	2-Methylnaphthalene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Phenanthrene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Naphthalene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Acenaphthene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Fluorene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Pyrene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Fluoranthene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Anthracene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Chrysene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Benzo(a)anthracene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Acenaphthylene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L
BH-17B	1/1/89	EPA8270	Benzo(b,k)fluoranthene	1	U	µg/L
BH-17B	6/1/89	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BH-17B	6/1/89	EPA8270	Fluoranthene	1	U	µg/L
BH-17B	6/1/89	EPA8270	Fluorene	1	U	µg/L
BH-17B	6/1/89	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BH-17B	6/1/89	EPA8270	Phenanthrene	1	U	µg/L
BH-17B	6/1/89	EPA8270	Chrysene	1	U	µg/L
BH-17B	6/1/89	EPA8270	Naphthalene	1	U	µg/L
BH-17B	6/1/89	EPA8270	Pyrene	1	U	µg/L
BH-17B	6/1/89	EPA8270	Benzo(b,k)fluoranthene	1	U	µg/L
BH-17B	6/1/89	EPA8270	Benzo(a)pyrene	1	U	µg/L
BH-17B	6/1/89	EPA8270	Benzo(a)anthracene	1	U	µg/L
BH-17B	6/1/89	EPA8270	Anthracene	1	U	µg/L
BH-17B	6/1/89	EPA8270	Acenaphthylene	1	U	µg/L
BH-17B	6/1/89	EPA8270	2-Methylnaphthalene	1	U	µg/L
BH-17B	6/1/89	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BH-17B	6/1/89	EPA8270	Acenaphthene	1	U	µg/L
BH-17B	11/1/89	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BH-17B	11/1/89	EPA8270	Fluoranthene	1	U	µg/L
BH-17B	11/1/89	EPA8270	Fluorene	1	U	µg/L
BH-17B	11/1/89	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L
BH-17B	11/1/89	EPA8270	Naphthalene	1	U	µg/L
BH-17B	11/1/89	EPA8270	Pyrene	1	U	µg/L
BH-17B	11/1/89	EPA8270	Chrysene	1	U	µg/L
BH-17B	11/1/89	EPA8270	Phenanthrene	1	U	µg/L
BH-17B	11/1/89	EPA8270	2-Methylnaphthalene	1	U	µg/L
BH-17B	11/1/89	EPA8270	Acenaphthene	1	U	µg/L
BH-17B	11/1/89	EPA8270	Acenaphthylene	1	U	µg/L
BH-17B	11/1/89	EPA8270	Anthracene	1	U	µg/L
BH-17B	11/1/89	EPA8270	Benzo(a)anthracene	1	U	µg/L
BH-17B	11/1/89	EPA8270	Benzo(a)pyrene	1	U	µg/L
BH-17B	11/1/89	EPA8270	Benzo(b)fluoranthene	1	U	µg/L
BH-17B	11/1/89	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BH-17B	11/1/89	EPA8270	Benzo(k)fluoranthene	1	U	µg/L
BH-18A	1/1/89	EPA8270	Fluorene	10		µg/L
BH-18A	1/1/89	EPA8270	Benzo(k)fluoranthene			µg/L
BH-18A	1/1/89	EPA8270	Pyrene	3		µg/L
BH-18A	1/1/89	EPA8270	Phenanthrene	12		µg/L
BH-18A	1/1/89	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L
BH-18A	1/1/89	EPA8270	Fluoranthene	3		µg/L
BH-18A	1/1/89	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BH-18A	1/1/89	EPA8270	Chrysene	1	J	µg/L
BH-18A	1/1/89	EPA8270	Acenaphthylene	1	U	µg/L
BH-18A	1/1/89	EPA8270	Naphthalene	2200		µg/L
BH-18A	1/1/89	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BH-18A	1/1/89	EPA8270	2-Methylnaphthalene	150		µg/L
BH-18A	1/1/89	EPA8270	Acenaphthene	29		µg/L
BH-18A	1/1/89	EPA8270	Anthracene	2		µg/L
BH-18A	1/1/89	EPA8270	Benzo(a)anthracene	1	J	µg/L
BH-18A	1/1/89	EPA8270	Benzo(a)pyrene	1		µg/L
BH-18A	1/1/89	EPA8270	Benzo(b)fluoranthene			µg/L
BH-18A	6/1/89	EPA8270	Acenaphthylene	10	U	µg/L
BH-18A	6/1/89	EPA8270	Fluorene	12		µg/L
BH-18A	6/1/89	EPA8270	Acenaphthene	43		µg/L
BH-18A	6/1/89	EPA8270	Benzo(b)fluoranthene			µg/L
BH-18A	6/1/89	EPA8270	Anthracene	10	U	µg/L
BH-18A	6/1/89	EPA8270	Benzo(a)anthracene	10	U	µg/L
BH-18A	6/1/89	EPA8270	Benzo(a)pyrene	10	U	µg/L
BH-18A	6/1/89	EPA8270	Pyrene	10	U	µg/L
BH-18A	6/1/89	EPA8270	Benzo(g,h,i)perylene	10	U	µg/L
BH-18A	6/1/89	EPA8270	Benzo(k)fluoranthene			µg/L
BH-18A	6/1/89	EPA8270	Chrysene	10	U	µg/L
BH-18A	6/1/89	EPA8270	Fluoranthene	10	U	µg/L
BH-18A	6/1/89	EPA8270	Indeno(1,2,3-cd)pyrene	10	U	µg/L
BH-18A	6/1/89	EPA8270	Naphthalene	2400		µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BH-16A	6/1/89	EPA8270	Phenanthrene	23		µg/L
BH-16A	6/1/89	EPA8270	2-Methylnaphthalene	130		µg/L
BH-16A	6/1/89	EPA8270	Dibenz(a,h)anthracene	10	U	µg/L
BH-16A	11/1/89	EPA8270	Benzo(a)pyrene	1	U	µg/L
BH-16A	11/1/89	EPA8270	Fluoranthene	0.9	J	µg/L
BH-16A	11/1/89	EPA8270	Anthracene	1.7		µg/L
BH-16A	11/1/89	EPA8270	Benzo(a)anthracene	1	U	µg/L
BH-16A	11/1/89	EPA8270	Benzo(b)fluoranthene	1	U	µg/L
BH-16A	11/1/89	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BH-16A	11/1/89	EPA8270	Benzo(k)fluoranthene	1	U	µg/L
BH-16A	11/1/89	EPA8270	Acenaphthylene	1	U	µg/L
BH-16A	11/1/89	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BH-16A	11/1/89	EPA8270	Acenaphthene	29		µg/L
BH-16A	11/1/89	EPA8270	Fluorene	10		µg/L
BH-16A	11/1/89	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L
BH-16A	11/1/89	EPA8270	Naphthalene	1000		µg/L
BH-16A	11/1/89	EPA8270	Phenanthrene	12		µg/L
BH-16A	11/1/89	EPA8270	Pyrene	0.5	J	µg/L
BH-16A	11/1/89	EPA8270	2-Methylnaphthalene	160		µg/L
BH-16A	11/1/89	EPA8270	Chrysene	1	U	µg/L
BH-16A	3/1/90	EPA8270	Chrysene	1	U	µg/L
BH-16A	3/1/90	EPA8270	Acenaphthylene	1	U	µg/L
BH-16A	3/1/90	EPA8270	Anthracene	2.5		µg/L
BH-16A	3/1/90	EPA8270	Benzo(a)anthracene	1	U	µg/L
BH-16A	3/1/90	EPA8270	Benzo(a)pyrene	1	U	µg/L
BH-16A	3/1/90	EPA8270	Benzo(b)fluoranthene	1	U	µg/L
BH-16A	3/1/90	EPA8270	2-Methylnaphthalene	100		µg/L
BH-16A	3/1/90	EPA8270	Benzo(k)fluoranthene	1	U	µg/L
BH-16A	3/1/90	EPA8270	Acenaphthene	36		µg/L
BH-16A	3/1/90	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BH-16A	3/1/90	EPA8270	Fluoranthene	1.6		µg/L
BH-16A	3/1/90	EPA8270	Fluorene	11		µg/L
BH-16A	3/1/90	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L
BH-16A	3/1/90	EPA8270	Naphthalene	1600		µg/L
BH-16A	3/1/90	EPA8270	Phenanthrene	13		µg/L
BH-16A	3/1/90	EPA8270	Pyrene	1.1		µg/L
BH-16A	3/1/90	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BH-16A	1/17/96	EPA8270	Acenaphthylene	120		µg/L
BH-16A	1/17/96	EPA8270	Benzo(a)pyrene	0.39	U	µg/L
BH-16A	1/17/96	EPA8270	Acenaphthene	52		µg/L
BH-16A	1/17/96	EPA8270	Benzo(a)anthracene	0.33	U	µg/L
BH-16A	1/17/96	EPA8270	2-Methylnaphthalene			µg/L
BH-16A	1/17/96	EPA8270	Pyrene	2.4		µg/L
BH-16A	1/17/96	EPA8270	Benzo(b)fluoranthene	0.42	U	µg/L
BH-16A	1/17/96	EPA8270	Benzo(g,h,i)perylene	0.08	U	µg/L
BH-16A	1/17/96	EPA8270	Benzo(k)fluoranthene	0.17	U	µg/L
BH-16A	1/17/96	EPA8270	Phenanthrene	20	J	µg/L
BH-16A	1/17/96	EPA8270	Dibenz(a,h)anthracene	0.034	U	µg/L
BH-16A	1/17/96	EPA8270	Fluoranthene	6.3		µg/L
BH-16A	1/17/96	EPA8270	Fluorene	20	J	µg/L
BH-16A	1/17/96	EPA8270	Indeno(1,2,3-cd)pyrene	0.23	U	µg/L
BH-16A	1/17/96	EPA8270	Naphthalene	3100		µg/L
BH-16A	1/17/96	EPA8270	Chrysene	0.39	U	µg/L
BH-16A	1/17/96	EPA8270	Anthracene	8.2		µg/L
BH-16B	1/1/89	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BH-16B	1/1/89	EPA8270	Fluoranthene	1	U	µg/L
BH-16B	1/1/89	EPA8270	Fluorene	1	U	µg/L
BH-16B	1/1/89	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L
BH-16B	1/1/89	EPA8270	Naphthalene	1	J	µg/L
BH-16B	1/1/89	EPA8270	Pyrene	1	U	µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BH-158	1/1/89	EPA8270	Chrysene	1	U	µg/L
BH-158	1/1/89	EPA8270	Phenanthrene	2	U	µg/L
BH-158	1/1/89	EPA8270	Acenaphthene	1	U	µg/L
BH-158	1/1/89	EPA8270	Benzo(k)fluoranthene			µg/L
BH-158	1/1/89	EPA8270	2-Methylnaphthalene	1	U	µg/L
BH-158	1/1/89	EPA8270	Acenaphthylene	1	U	µg/L
BH-158	1/1/89	EPA8270	Anthracene	1	U	µg/L
BH-158	1/1/89	EPA8270	Benzo(a)anthracene	1	U	µg/L
BH-158	1/1/89	EPA8270	Benzo(a)pyrene	1	U	µg/L
BH-158	1/1/89	EPA8270	Benzo(b)fluoranthene			µg/L
BH-158	1/1/89	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BH-158	6/1/89	EPA8270	Acenaphthylene	1	U	µg/L
BH-158	6/1/89	EPA8270	Benzo(k)fluoranthene			µg/L
BH-158	6/1/89	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L
BH-158	6/1/89	EPA8270	Fluorene	1	U	µg/L
BH-158	6/1/89	EPA8270	Fluoranthene	1	U	µg/L
BH-158	6/1/89	EPA8270	Dibenzo(a,h)anthracene	1	U	µg/L
BH-158	6/1/89	EPA8270	Chrysene	1	U	µg/L
BH-158	6/1/89	EPA8270	Naphthalene	1	U	µg/L
BH-158	6/1/89	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BH-158	6/1/89	EPA8270	Benzo(b)fluoranthene			µg/L
BH-158	6/1/89	EPA8270	Benzo(a)pyrene	1	U	µg/L
BH-158	6/1/89	EPA8270	Phenanthrene	1	U	µg/L
BH-158	6/1/89	EPA8270	Anthracene	1	U	µg/L
BH-158	6/1/89	EPA8270	Acenaphthene	1	U	µg/L
BH-158	6/1/89	EPA8270	2-Methylnaphthalene	1	U	µg/L
BH-158	6/1/89	EPA8270	Pyrene	1	U	µg/L
BH-158	6/1/89	EPA8270	Benzo(a)anthracene	1	U	µg/L
BH-158	11/1/89	EPA8270	Benzo(b)fluoranthene	1	U	µg/L
BH-158	11/1/89	EPA8270	2-Methylnaphthalene	1	U	µg/L
BH-158	11/1/89	EPA8270	Acenaphthylene	1	U	µg/L
BH-158	11/1/89	EPA8270	Anthracene	1	U	µg/L
BH-158	11/1/89	EPA8270	Pyrene	1	U	µg/L
BH-158	11/1/89	EPA8270	Benzo(a)pyrene	1	U	µg/L
BH-158	11/1/89	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BH-158	11/1/89	EPA8270	Benzo(k)fluoranthene	1	U	µg/L
BH-158	11/1/89	EPA8270	Chrysene	1	U	µg/L
BH-158	11/1/89	EPA8270	Dibenzo(a,h)anthracene	1	U	µg/L
BH-158	11/1/89	EPA8270	Fluoranthene	1	U	µg/L
BH-158	11/1/89	EPA8270	Fluorene	1	U	µg/L
BH-158	11/1/89	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L
BH-158	11/1/89	EPA8270	Naphthalene	39		µg/L
BH-158	11/1/89	EPA8270	Phenanthrene	1	U	µg/L
BH-158	11/1/89	EPA8270	Benzo(a)anthracene	1	U	µg/L
BH-158	11/1/89	EPA8270	Acenaphthene	1	U	µg/L
BH-158	3/1/90	EPA8270	Benzo(a)anthracene	1	U	µg/L
BH-158	3/1/90	EPA8270	Pyrene	1	U	µg/L
BH-158	3/1/90	EPA8270	2-Methylnaphthalene	1	U	µg/L
BH-158	3/1/90	EPA8270	Acenaphthene	1	U	µg/L
BH-158	3/1/90	EPA8270	Anthracene	1	U	µg/L
BH-158	3/1/90	EPA8270	Benzo(a)pyrene	1	U	µg/L
BH-158	3/1/90	EPA8270	Benzo(b)fluoranthene	1	U	µg/L
BH-158	3/1/90	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BH-158	3/1/90	EPA8270	Naphthalene	3.3		µg/L
BH-158	3/1/90	EPA8270	Acenaphthylene	1	U	µg/L
BH-158	3/1/90	EPA8270	Phenanthrene	1	U	µg/L
BH-158	3/1/90	EPA8270	Benzo(k)fluoranthene	1	U	µg/L
BH-158	3/1/90	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L
BH-158	3/1/90	EPA8270	Fluorene	1	U	µg/L
BH-158	3/1/90	EPA8270	Fluoranthene	1	U	µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BH-188	3/1/90	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BH-188	3/1/90	EPA8270	Chrysene	1	U	µg/L
BH-188	1/17/96	EPA8270	Benzo(k)fluoranthene	0.02	U	µg/L
BH-188	1/17/96	EPA8270	Phenanthrene	0.64	U	µg/L
BH-188	1/17/96	EPA8270	Acenaphthylene	2.3	U	µg/L
BH-188	1/17/96	EPA8270	Anthracene	0.69	U	µg/L
BH-188	1/17/96	EPA8270	Benzo(a)anthracene	0.02	U	µg/L
BH-188	1/17/96	EPA8270	Benzo(a)pyrene	0.03	U	µg/L
BH-188	1/17/96	EPA8270	Benzo(b)fluoranthene	0.02	U	µg/L
BH-188	1/17/96	EPA8270	Benzo(g,h,i)perylene	0.05	U	µg/L
BH-188	1/17/96	EPA8270	Acenaphthene	1.8	U	µg/L
BH-188	1/17/96	EPA8270	Pyrene	0.27	U	µg/L
BH-188	1/17/96	EPA8270	Dibenz(a,h)anthracene	0.03	U	µg/L
BH-188	1/17/96	EPA8270	Fluoranthene	0.21	U	µg/L
BH-188	1/17/96	EPA8270	Fluorene	0.21	U	µg/L
BH-188	1/17/96	EPA8270	Naphthalene	1.8	U	µg/L
BH-188	1/17/96	EPA8270	2-Methylnaphthalene			µg/L
BH-188	1/17/96	EPA8270	Chrysene	0.15	U	µg/L
BH-188	1/17/96	EPA8270	Indeno(1,2,3-cd)pyrene	0.05	U	µg/L
BH-19	1/1/89	EPA8270	Chrysene	5		µg/L
BH-19	1/1/89	EPA8270	Dibenz(a,h)anthracene	2	U	µg/L
BH-19	1/1/89	EPA8270	Fluoranthene	8		µg/L
BH-19	1/1/89	EPA8270	Fluorene	19		µg/L
BH-19	1/1/89	EPA8270	Indeno(1,2,3-cd)pyrene	2		µg/L
BH-19	1/1/89	EPA8270	Phenanthrene	6		µg/L
BH-19	1/1/89	EPA8270	Benzo(k)fluoranthene			µg/L
BH-19	1/1/89	EPA8270	Naphthalene	1500		µg/L
BH-19	1/1/89	EPA8270	2-Methylnaphthalene	81		µg/L
BH-19	1/1/89	EPA8270	Benzo(g,h,i)perylene	4		µg/L
BH-19	1/1/89	EPA8270	Pyrene	8		µg/L
BH-19	1/1/89	EPA8270	Acenaphthene	140		µg/L
BH-19	1/1/89	EPA8270	Acenaphthylene	2	U	µg/L
BH-19	1/1/89	EPA8270	Anthracene	2	J	µg/L
BH-19	1/1/89	EPA8270	Benzo(a)anthracene	3		µg/L
BH-19	1/1/89	EPA8270	Benzo(a)pyrene	4		µg/L
BH-19	1/1/89	EPA8270	Benzo(b)fluoranthene			µg/L
BH-19	6/1/89	EPA8270	Benzo(a)anthracene	1	J	µg/L
BH-19	6/1/89	EPA8270	Chrysene	3		µg/L
BH-19	6/1/89	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L
BH-19	6/1/89	EPA8270	2-Methylnaphthalene	17		µg/L
BH-19	6/1/89	EPA8270	Fluorene	11		µg/L
BH-19	6/1/89	EPA8270	Fluoranthene	2		µg/L
BH-19	6/1/89	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BH-19	6/1/89	EPA8270	Phenanthrene	3		µg/L
BH-19	6/1/89	EPA8270	Benzo(k)fluoranthene			µg/L
BH-19	6/1/89	EPA8270	Benzo(g,h,i)perylene	2	M	µg/L
BH-19	6/1/89	EPA8270	Naphthalene	1200		µg/L
BH-19	6/1/89	EPA8270	Benzo(a)pyrene	1	M	µg/L
BH-19	6/1/89	EPA8270	Anthracene	1	J	µg/L
BH-19	6/1/89	EPA8270	Acenaphthylene	1	U	µg/L
BH-19	6/1/89	EPA8270	Acenaphthene	78		µg/L
BH-19	6/1/89	EPA8270	Pyrene	3		µg/L
BH-19	6/1/89	EPA8270	Benzo(b)fluoranthene			µg/L
BH-19	11/1/89	EPA8270	Phenanthrene	1	U	µg/L
BH-19	11/1/89	EPA8270	Benzo(a)anthracene	1	U	µg/L
BH-19	11/1/89	EPA8270	Benzo(k)fluoranthene	1	U	µg/L
BH-19	11/1/89	EPA8270	Pyrene	1	U	µg/L
BH-19	11/1/89	EPA8270	Naphthalene	560		µg/L
BH-19	11/1/89	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L
BH-19	11/1/89	EPA8270	Fluorene	18		µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BH-19	11/1/89	EPA8270	Fluoranthene	1.5		µg/L
BH-19	11/1/89	EPA8270	Acenaphthylene	1	U	µg/L
BH-19	11/1/89	EPA8270	Chrysene	1	U	µg/L
BH-19	11/1/89	EPA8270	2-Methylnaphthalene	42		µg/L
BH-19	11/1/89	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BH-19	11/1/89	EPA8270	Benzo(b)fluoranthene	1	U	µg/L
BH-19	11/1/89	EPA8270	Benzo(a)pyrene	1	U	µg/L
BH-19	11/1/89	EPA8270	Anthracene	1.2		µg/L
BH-19	11/1/89	EPA8270	Acenaphthene	89		µg/L
BH-19	11/1/89	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BH-19	3/1/90	EPA8270	Anthracene	0.5	M	µg/L
BH-19	3/1/90	EPA8270	Chrysene	1	U	µg/L
BH-19	3/1/90	EPA8270	2-Methylnaphthalene	61		µg/L
BH-19	3/1/90	EPA8270	Acenaphthene	95		µg/L
BH-19	3/1/90	EPA8270	Acenaphthylene	1	U	µg/L
BH-19	3/1/90	EPA8270	Benzo(a)anthracene	1	U	µg/L
BH-19	3/1/90	EPA8270	Benzo(b)fluoranthene	1	U	µg/L
BH-19	3/1/90	EPA8270	Benzo(a)pyrene	1	U	µg/L
BH-19	3/1/90	EPA8270	Benzo(k)fluoranthene	1	U	µg/L
BH-19	3/1/90	EPA8270	Pyrene	1	U	µg/L
BH-19	3/1/90	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BH-19	3/1/90	EPA8270	Fluoranthene	1	U	µg/L
BH-19	3/1/90	EPA8270	Fluorene	16		µg/L
BH-19	3/1/90	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L
BH-19	3/1/90	EPA8270	Naphthalene	730		µg/L
BH-19	3/1/90	EPA8270	Phenanthrene	1.5		µg/L
BH-19	3/1/90	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BH-19	1/16/96	EPA8270	Benzo(a)pyrene	0.03	U	µg/L
BH-19	1/16/96	EPA8270	Pyrene	0.27	U	µg/L
BH-19	1/16/96	EPA8270	Acenaphthene	140		µg/L
BH-19	1/16/96	EPA8270	2-Methylnaphthalene			µg/L
BH-19	1/16/96	EPA8270	Acenaphthylene	77		µg/L
BH-19	1/16/96	EPA8270	Benzo(a)anthracene	0.02	U	µg/L
BH-19	1/16/96	EPA8270	Benzo(b)fluoranthene	0.02	U	µg/L
BH-19	1/16/96	EPA8270	Benzo(g,h,i)perylene	0.06	U	µg/L
BH-19	1/16/96	EPA8270	Indeno(1,2,3-cd)pyrene	0.05	U	µg/L
BH-19	1/16/96	EPA8270	Phenanthrene	4.1		µg/L
BH-19	1/16/96	EPA8270	Anthracene	2.3		µg/L
BH-19	1/16/96	EPA8270	Naphthalene	340		µg/L
BH-19	1/16/96	EPA8270	Benzo(k)fluoranthene	0.02	U	µg/L
BH-19	1/16/96	EPA8270	Fluorene	19		µg/L
BH-19	1/16/96	EPA8270	Fluoranthene	0.27		µg/L
BH-19	1/16/96	EPA8270	Dibenz(a,h)anthracene	0.03	U	µg/L
BH-19	1/16/96	EPA8270	Chrysene	0.16	U	µg/L
BH-20A	1/1/89	EPA8270	Chrysene	40		µg/L
BH-20A	1/1/89	EPA8270	Phenanthrene	100		µg/L
BH-20A	1/1/89	EPA8270	Naphthalene	11000		µg/L
BH-20A	1/1/89	EPA8270	Indeno(1,2,3-cd)pyrene	27		µg/L
BH-20A	1/1/89	EPA8270	Fluorene	88		µg/L
BH-20A	1/1/89	EPA8270	Fluoranthene	41		µg/L
BH-20A	1/1/89	EPA8270	Dibenz(a,h)anthracene	10	J	µg/L
BH-20A	1/1/89	EPA8270	Pyrene	67		µg/L
BH-20A	1/1/89	EPA8270	Acenaphthene	140		µg/L
BH-20A	1/1/89	EPA8270	Benzo(k)fluoranthene			µg/L
BH-20A	1/1/89	EPA8270	2-Methylnaphthalene	1500		µg/L
BH-20A	1/1/89	EPA8270	Acenaphthylene	190		µg/L
BH-20A	1/1/89	EPA8270	Anthracene	23		µg/L
BH-20A	1/1/89	EPA8270	Benzo(a)anthracene	36		µg/L
BH-20A	1/1/89	EPA8270	Benzo(a)pyrene	72		µg/L
BH-20A	1/1/89	EPA8270	Benzo(b)fluoranthene			µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BH-20A	1/1/89	EPA8270	Benzo(g,h,i)perylene	42		µg/L
BH-20A	6/1/89	EPA8270	Fluoranthene	25		µg/L
BH-20A	6/1/89	EPA8270	Chrysene	20		µg/L
BH-20A	6/1/89	EPA8270	Phenanthrene	76		µg/L
BH-20A	6/1/89	EPA8270	Naphthalene	5500		µg/L
BH-20A	6/1/89	EPA8270	2-Methylnaphthalene	740		µg/L
BH-20A	6/1/89	EPA8270	Fluorene	59		µg/L
BH-20A	6/1/89	EPA8270	Dibenz(a,h)anthracene	13		µg/L
BH-20A	6/1/89	EPA8270	Pyrene	32		µg/L
BH-20A	6/1/89	EPA8270	Acenaphthene	54		µg/L
BH-20A	6/1/89	EPA8270	Benzo(g,h,i)perylene	30		µg/L
BH-20A	6/1/89	EPA8270	Benzo(b)fluoranthene			µg/L
BH-20A	6/1/89	EPA8270	Benzo(a)pyrene	37		µg/L
BH-20A	6/1/89	EPA8270	Benzo(a)anthracene	16		µg/L
BH-20A	6/1/89	EPA8270	Anthracene	18		µg/L
BH-20A	6/1/89	EPA8270	Acenaphthylene	76		µg/L
BH-20A	6/1/89	EPA8270	Indeno(1,2,3-cd)pyrene	17		µg/L
BH-20A	6/1/89	EPA8270	Benzo(k)fluoranthene			µg/L
BH-20A	11/1/89	EPA8270	Chrysene	0.5	M	µg/L
BH-20A	11/1/89	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BH-20A	11/1/89	EPA8270	Pyrene	2.1		µg/L
BH-20A	11/1/89	EPA8270	Fluorene	13		µg/L
BH-20A	11/1/89	EPA8270	Benzo(k)fluoranthene			µg/L
BH-20A	11/1/89	EPA8270	Phenanthrene	13		µg/L
BH-20A	11/1/89	EPA8270	Acenaphthylene	29		µg/L
BH-20A	11/1/89	EPA8270	Naphthalene	3500		µg/L
BH-20A	11/1/89	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BH-20A	11/1/89	EPA8270	Benzo(b)fluoranthene			µg/L
BH-20A	11/1/89	EPA8270	Benzo(a)pyrene	0.5	J	µg/L
BH-20A	11/1/89	EPA8270	Anthracene	2.8		µg/L
BH-20A	11/1/89	EPA8270	Acenaphthene	8.7		µg/L
BH-20A	11/1/89	EPA8270	2-Methylnaphthalene	270		µg/L
BH-20A	11/1/89	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L
BH-20A	11/1/89	EPA8270	Benzo(a)anthracene	0.5	J	µg/L
BH-20A	11/1/89	EPA8270	Fluoranthene	2		µg/L
BH-20A	3/1/90	EPA8270	Dibenz(a,h)anthracene	3.1		µg/L
BH-20A	3/1/90	EPA8270	Pyrene	14		µg/L
BH-20A	3/1/90	EPA8270	Anthracene	5.5		µg/L
BH-20A	3/1/90	EPA8270	Benzo(a)anthracene	9.7		µg/L
BH-20A	3/1/90	EPA8270	Benzo(a)pyrene	22		µg/L
BH-20A	3/1/90	EPA8270	Benzo(b)fluoranthene	22		µg/L
BH-20A	3/1/90	EPA8270	Benzo(g,h,i)perylene	18		µg/L
BH-20A	3/1/90	EPA8270	Acenaphthene	34		µg/L
BH-20A	3/1/90	EPA8270	Chrysene	11		µg/L
BH-20A	3/1/90	EPA8270	2-Methylnaphthalene	330		µg/L
BH-20A	3/1/90	EPA8270	Fluoranthene	13		µg/L
BH-20A	3/1/90	EPA8270	Fluorene	15		µg/L
BH-20A	3/1/90	EPA8270	Indeno(1,2,3-cd)pyrene	10		µg/L
BH-20A	3/1/90	EPA8270	Naphthalene	4900		µg/L
BH-20A	3/1/90	EPA8270	Phenanthrene	35		µg/L
BH-20A	3/1/90	EPA8270	Benzo(k)fluoranthene	14		µg/L
BH-20A	3/1/90	EPA8270	Acenaphthylene	24		µg/L
BH-20A	1/18/96	EPA8270	Benzo(k)fluoranthene	1.6		µg/L
BH-20A	1/18/96	EPA8270	2-Methylnaphthalene			µg/L
BH-20A	1/18/96	EPA8270	Acenaphthene	6.4		µg/L
BH-20A	1/18/96	EPA8270	Acenaphthylene	25	U	µg/L
BH-20A	1/18/96	EPA8270	Anthracene	0.68	U	µg/L
BH-20A	1/18/96	EPA8270	Benzo(a)anthracene	1.6		µg/L
BH-20A	1/18/96	EPA8270	Benzo(a)pyrene	3.9		µg/L
BH-20A	1/18/96	EPA8270	Benzo(g,h,i)perylene	3.4		µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BH-20A	1/18/96	EPA8270	Indeno(1,2,3-cd)pyrene	3.2		µg/L
BH-20A	1/18/96	EPA8270	Chrysene	1.9		µg/L
BH-20A	1/18/96	EPA8270	Dibenz(a,h)anthracene	0.48		µg/L
BH-20A	1/18/96	EPA8270	Fluorene	2.8		µg/L
BH-20A	1/18/96	EPA8270	Naphthalene	37		µg/L
BH-20A	1/18/96	EPA8270	Phenanthrene	2.5		µg/L
BH-20A	1/18/96	EPA8270	Pyrene	2.7		µg/L
BH-20A	1/18/96	EPA8270	Benzo(b)fluoranthene	3.9		µg/L
BH-20A	1/18/96	EPA8270	Fluoranthene	2.3		µg/L
BH-20B	1/1/69	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L
BH-20B	1/1/69	EPA8270	Acenaphthene	9		µg/L
BH-20B	1/1/69	EPA8270	Acenaphthylene	1	J	µg/L
BH-20B	1/1/69	EPA8270	Anthracene	1	U	µg/L
BH-20B	1/1/69	EPA8270	Benzo(a)anthracene	1	U	µg/L
BH-20B	1/1/69	EPA8270	Benzo(a)pyrene	1	U	µg/L
BH-20B	1/1/69	EPA8270	Benzo(b)fluoranthene			µg/L
BH-20B	1/1/69	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BH-20B	1/1/69	EPA8270	Benzo(k)fluoranthene			µg/L
BH-20B	1/1/69	EPA8270	Chrysene	1	U	µg/L
BH-20B	1/1/69	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BH-20B	1/1/69	EPA8270	2-Methylnaphthalene	6		µg/L
BH-20B	1/1/69	EPA8270	Fluorene	1	J	µg/L
BH-20B	1/1/69	EPA8270	Naphthalene	68		µg/L
BH-20B	1/1/69	EPA8270	Phenanthrene	2		µg/L
BH-20B	1/1/69	EPA8270	Pyrene	1	J	µg/L
BH-20B	1/1/69	EPA8270	Fluoranthene	1	J	µg/L
BH-20B	6/1/69	EPA8270	Fluoranthene	1	U	µg/L
BH-20B	6/1/69	EPA8270	Benzo(k)fluoranthene			µg/L
BH-20B	6/1/69	EPA8270	Chrysene	1	U	µg/L
BH-20B	6/1/69	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BH-20B	6/1/69	EPA8270	Fluorene	9		µg/L
BH-20B	6/1/69	EPA8270	Naphthalene	3600		µg/L
BH-20B	6/1/69	EPA8270	Phenanthrene	14		µg/L
BH-20B	6/1/69	EPA8270	Pyrene	1	U	µg/L
BH-20B	6/1/69	EPA8270	Anthracene	1	U	µg/L
BH-20B	6/1/69	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L
BH-20B	6/1/69	EPA8270	2-Methylnaphthalene	120		µg/L
BH-20B	6/1/69	EPA8270	Acenaphthylene	6		µg/L
BH-20B	6/1/69	EPA8270	Benzo(a)anthracene	1	U	µg/L
BH-20B	6/1/69	EPA8270	Benzo(a)pyrene	1	U	µg/L
BH-20B	6/1/69	EPA8270	Benzo(b)fluoranthene			µg/L
BH-20B	6/1/69	EPA8270	Acenaphthene	95		µg/L
BH-20B	6/1/69	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BH-20B	11/1/69	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BH-20B	11/1/69	EPA8270	Acenaphthene	6		µg/L
BH-20B	11/1/69	EPA8270	Acenaphthylene	0.5	J	µg/L
BH-20B	11/1/69	EPA8270	Anthracene	1	U	µg/L
BH-20B	11/1/69	EPA8270	Benzo(a)anthracene	1	U	µg/L
BH-20B	11/1/69	EPA8270	Benzo(a)pyrene	1	U	µg/L
BH-20B	11/1/69	EPA8270	Benzo(b)fluoranthene			µg/L
BH-20B	11/1/69	EPA8270	Pyrene	1	U	µg/L
BH-20B	11/1/69	EPA8270	Phenanthrene	1.4		µg/L
BH-20B	11/1/69	EPA8270	2-Methylnaphthalene	6.3		µg/L
BH-20B	11/1/69	EPA8270	Naphthalene	110		µg/L
BH-20B	11/1/69	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BH-20B	11/1/69	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L
BH-20B	11/1/69	EPA8270	Fluorene	0.5	J	µg/L
BH-20B	11/1/69	EPA8270	Fluoranthene	1	U	µg/L
BH-20B	11/1/69	EPA8270	Benzo(k)fluoranthene			µg/L
BH-20B	11/1/69	EPA8270	Chrysene	1	U	µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BH-20B	3/1/90	EPA8270	Fluoranthene	1	U	µg/L
BH-20B	3/1/90	EPA8270	Benzo(k)fluoranthene	1	U	µg/L
BH-20B	3/1/90	EPA8270	Pyrene	1	U	µg/L
BH-20B	3/1/90	EPA8270	Phenanthrene	0.7	M	µg/L
BH-20B	3/1/90	EPA8270	Naphthalene	160		µg/L
BH-20B	3/1/90	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L
BH-20B	3/1/90	EPA8270	Fluorene	1	U	µg/L
BH-20B	3/1/90	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BH-20B	3/1/90	EPA8270	Chrysene	1	U	µg/L
BH-20B	3/1/90	EPA8270	2-Methylnaphthalene	10		µg/L
BH-20B	3/1/90	EPA8270	Acenaphthene	5.7		µg/L
BH-20B	3/1/90	EPA8270	Acenaphthylene	0.6	J	µg/L
BH-20B	3/1/90	EPA8270	Anthracene	1	U	µg/L
BH-20B	3/1/90	EPA8270	Benzo(a)pyrene	1	U	µg/L
BH-20B	3/1/90	EPA8270	Benzo(b)fluoranthene	1	U	µg/L
BH-20B	3/1/90	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BH-20B	3/1/90	EPA8270	Benzo(a)anthracene	1	U	µg/L
BH-20B	1/17/96	EPA8270	Acenaphthylene	120		µg/L
BH-20B	1/17/96	EPA8270	2-Methylnaphthalene			µg/L
BH-20B	1/17/96	EPA8270	Acenaphthene	250		µg/L
BH-20B	1/17/96	EPA8270	Naphthalene	4300		µg/L
BH-20B	1/17/96	EPA8270	Indeno(1,2,3-cd)pyrene	0.05	U	µg/L
BH-20B	1/17/96	EPA8270	Fluorene	18		µg/L
BH-20B	1/17/96	EPA8270	Fluoranthene	6.2		µg/L
BH-20B	1/17/96	EPA8270	Chrysene	0.16	U	µg/L
BH-20B	1/17/96	EPA8270	Anthracene	7.4		µg/L
BH-20B	1/17/96	EPA8270	Benzo(k)fluoranthene	0.02	U	µg/L
BH-20B	1/17/96	EPA8270	Phenanthrene	24	J	µg/L
BH-20B	1/17/96	EPA8270	Benzo(a)pyrene	0.036	U	µg/L
BH-20B	1/17/96	EPA8270	Benzo(b)fluoranthene	0.026	U	µg/L
BH-20B	1/17/96	EPA8270	Pyrene	0.27	U	µg/L
BH-20B	1/17/96	EPA8270	Benzo(a)anthracene	0.02	U	µg/L
BH-20B	1/17/96	EPA8270	Dibenz(a,h)anthracene	0.03	U	µg/L
BH-20B	1/17/96	EPA8270	Benzo(g,h,i)perylene	0.06	U	µg/L
BH-21A	11/1/89	EPA8270	Benzo(b)fluoranthene			µg/L
BH-21A	11/1/89	EPA8270	Benzo(a)pyrene	1	U	µg/L
BH-21A	11/1/89	EPA8270	Benzo(a)anthracene	1	U	µg/L
BH-21A	11/1/89	EPA8270	Anthracene	1	U	µg/L
BH-21A	11/1/89	EPA8270	Acenaphthene	1	U	µg/L
BH-21A	11/1/89	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L
BH-21A	11/1/89	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BH-21A	11/1/89	EPA8270	2-Methylnaphthalene	1	U	µg/L
BH-21A	11/1/89	EPA8270	Acenaphthylene	1	U	µg/L
BH-21A	11/1/89	EPA8270	Chrysene	1	U	µg/L
BH-21A	11/1/89	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BH-21A	11/1/89	EPA8270	Fluorene	1	U	µg/L
BH-21A	11/1/89	EPA8270	Naphthalene	1.7		µg/L
BH-21A	11/1/89	EPA8270	Phenanthrene	1	U	µg/L
BH-21A	11/1/89	EPA8270	Pyrene	1	U	µg/L
BH-21A	11/1/89	EPA8270	Fluoranthene	1	U	µg/L
BH-21A	11/1/89	EPA8270	Benzo(k)fluoranthene			µg/L
BH-21A	3/1/90	EPA8270	Pyrene	2900		µg/L
BH-21A	3/1/90	EPA8270	Chrysene	590		µg/L
BH-21A	3/1/90	EPA8270	Fluoranthene	2600		µg/L
BH-21A	3/1/90	EPA8270	Fluorene	1800		µg/L
BH-21A	3/1/90	EPA8270	Indeno(1,2,3-cd)pyrene	290		µg/L
BH-21A	3/1/90	EPA8270	Phenanthrene	5200	B	µg/L
BH-21A	3/1/90	EPA8270	Benzo(k)fluoranthene			µg/L
BH-21A	3/1/90	EPA8270	Naphthalene	9600	B	µg/L
BH-21A	3/1/90	EPA8270	Benzo(b)fluoranthene			µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BH-21A	3/1/90	EPA8270	Benzo(a)pyrene	550		µg/L
BH-21A	3/1/90	EPA8270	Benzo(a)anthracene	770		µg/L
BH-21A	3/1/90	EPA8270	Anthracene	670		µg/L
BH-21A	3/1/90	EPA8270	Acenaphthylene	20		µg/L
BH-21A	3/1/90	EPA8270	Acenaphthene	1900		µg/L
BH-21A	3/1/90	EPA8270	2-Methylnaphthalene	3300		µg/L
BH-21A	3/1/90	EPA8270	Benzo(g,h,i)perylene	240		µg/L
BH-21A	3/1/90	EPA8270	Dibenz(a,h)anthracene	94		µg/L
BH-21A	5/1/91	EPA8270	Acenaphthylene	500		µg/L
BH-21A	5/1/91	EPA8270	Dibenz(a,h)anthracene	22		µg/L
BH-21A	5/1/91	EPA8270	Fluoranthene	170		µg/L
BH-21A	5/1/91	EPA8270	Fluorene	270		µg/L
BH-21A	5/1/91	EPA8270	Chrysene	47		µg/L
BH-21A	5/1/91	EPA8270	Indeno(1,2,3-cd)pyrene	16		µg/L
BH-21A	5/1/91	EPA8270	Naphthalene	290		µg/L
BH-21A	5/1/91	EPA8270	Pyrene	200		µg/L
BH-21A	5/1/91	EPA8270	Phenanthrene	810		µg/L
BH-21A	5/1/91	EPA8270	2-Methylnaphthalene			µg/L
BH-21A	5/1/91	EPA8270	Benzo(k)fluoranthene	17		µg/L
BH-21A	5/1/91	EPA8270	Acenaphthene	450		µg/L
BH-21A	5/1/91	EPA8270	Benzo(a)anthracene	61		µg/L
BH-21A	5/1/91	EPA8270	Anthracene	83		µg/L
BH-21A	5/1/91	EPA8270	Benzo(a)pyrene	41		µg/L
BH-21A	5/1/91	EPA8270	Benzo(b)fluoranthene	50		µg/L
BH-21A	5/1/91	EPA8270	Benzo(g,h,i)perylene	16		µg/L
BH-21A	1/16/96	EPA8270	Benzo(k)fluoranthene	4.3		µg/L
BH-21A	1/19/96	EPA8270	Benzo(g,h,i)perylene	10	U	µg/L
BH-21A	1/16/96	EPA8270	Acenaphthene	360		µg/L
BH-21A	1/19/96	EPA8270	Acenaphthylene	140		µg/L
BH-21A	1/16/96	EPA8270	Anthracene	52		µg/L
BH-21A	1/19/96	EPA8270	Benzo(a)anthracene	1.3		µg/L
BH-21A	1/16/96	EPA8270	Benzo(a)pyrene	10		µg/L
BH-21A	1/19/96	EPA8270	2-Methylnaphthalene			µg/L
BH-21A	1/19/96	EPA8270	Phenanthrene	260		µg/L
BH-21A	1/19/96	EPA8270	Chrysene	1.5	U	µg/L
BH-21A	1/19/96	EPA8270	Dibenz(a,h)anthracene	0.46		µg/L
BH-21A	1/19/96	EPA8270	Fluoranthene	88		µg/L
BH-21A	1/16/96	EPA8270	Fluorene	150		µg/L
BH-21A	1/16/96	EPA8270	Indeno(1,2,3-cd)pyrene	10	U	µg/L
BH-21A	1/16/96	EPA8270	Naphthalene	2800		µg/L
BH-21A	1/19/96	EPA8270	Pyrene	28		µg/L
BH-21A	1/19/96	EPA8270	Benzo(b)fluoranthene	8.4		µg/L
BH-21B	1/1/89	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BH-21B	1/1/89	EPA8270	Fluoranthene	5		µg/L
BH-21B	1/1/89	EPA8270	Fluorene	26		µg/L
BH-21B	1/1/89	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L
BH-21B	1/1/89	EPA8270	Naphthalene	780		µg/L
BH-21B	1/1/89	EPA8270	Pyrene	5		µg/L
BH-21B	1/1/89	EPA8270	Anthracene	3		µg/L
BH-21B	1/1/89	EPA8270	Chrysene	1	J	µg/L
BH-21B	1/1/89	EPA8270	Phenanthrene	15		µg/L
BH-21B	1/1/89	EPA8270	2-Methylnaphthalene	16		µg/L
BH-21B	1/1/89	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BH-21B	1/1/89	EPA8270	Benzo(b)fluoranthene			µg/L
BH-21B	1/1/89	EPA8270	Benzo(a)anthracene	1	J	µg/L
BH-21B	1/1/89	EPA8270	Acenaphthylene	1	U	µg/L
BH-21B	1/1/89	EPA8270	Acenaphthene	79		µg/L
BH-21B	1/1/89	EPA8270	Benzo(a)pyrene	1	J	µg/L
BH-21B	1/1/89	EPA8270	Benzo(k)fluoranthene			µg/L
BH-21B	6/1/89	EPA8270	Benzo(a)pyrene	1	U	µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BH-21B	6/1/89	EPA8270	Benzo(a)anthracene	1	U	µg/L
BH-21B	6/1/89	EPA8270	Anthracene	1	J	µg/L
BH-21B	6/1/89	EPA8270	Benzo(b)fluoranthene			µg/L
BH-21B	6/1/89	EPA8270	Pyrene	2		µg/L
BH-21B	6/1/89	EPA8270	Fluorene	36		µg/L
BH-21B	6/1/89	EPA8270	Acenaphthene	120		µg/L
BH-21B	6/1/89	EPA8270	Acenaphthylene	1	U	µg/L
BH-21B	6/1/89	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BH-21B	6/1/89	EPA8270	Benzo(k)fluoranthene			µg/L
BH-21B	6/1/89	EPA8270	Chrysene	1	U	µg/L
BH-21B	6/1/89	EPA8270	Fluoranthene	2		µg/L
BH-21B	6/1/89	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L
BH-21B	6/1/89	EPA8270	Naphthalene	1700		µg/L
BH-21B	6/1/89	EPA8270	Phenanthrene	5		µg/L
BH-21B	6/1/89	EPA8270	2-Methylnaphthalene	8		µg/L
BH-21B	6/1/89	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BH-21B	11/1/89	EPA8270	Benzo(k)fluoranthene			µg/L
BH-21B	11/1/89	EPA8270	Acenaphthene	59		µg/L
BH-21B	11/1/89	EPA8270	Acenaphthylene	0.8	J	µg/L
BH-21B	11/1/89	EPA8270	Anthracene	0.8	J	µg/L
BH-21B	11/1/89	EPA8270	Benzo(a)anthracene	1	U	µg/L
BH-21B	11/1/89	EPA8270	Benzo(a)pyrene	1	U	µg/L
BH-21B	11/1/89	EPA8270	2-Methylnaphthalene	1	U	µg/L
BH-21B	11/1/89	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BH-21B	11/1/89	EPA8270	Fluoranthene	0.7	J	µg/L
BH-21B	11/1/89	EPA8270	Chrysene	1	U	µg/L
BH-21B	11/1/89	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BH-21B	11/1/89	EPA8270	Fluorene	18		µg/L
BH-21B	11/1/89	EPA8270	Naphthalene	1	U	µg/L
BH-21B	11/1/89	EPA8270	Phenanthrene	1.6		µg/L
BH-21B	11/1/89	EPA8270	Pyrene	0.6	J	µg/L
BH-21B	11/1/89	EPA8270	Benzo(b)fluoranthene			µg/L
BH-21B	11/1/89	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L
BH-21B	3/1/90	EPA8270	2-Methylnaphthalene	5		µg/L
BH-21B	3/1/90	EPA8270	Naphthalene	93	B	µg/L
BH-21B	3/1/90	EPA8270	Indeno(1,2,3-cd)pyrene	1	U	µg/L
BH-21B	3/1/90	EPA8270	Fluoranthene	1	U	µg/L
BH-21B	3/1/90	EPA8270	Chrysene	1	U	µg/L
BH-21B	3/1/90	EPA8270	Benzo(k)fluoranthene			µg/L
BH-21B	3/1/90	EPA8270	Benzo(g,h,i)perylene	1	U	µg/L
BH-21B	3/1/90	EPA8270	Phenanthrene	1.3	B	µg/L
BH-21B	3/1/90	EPA8270	Benzo(a)pyrene	1	U	µg/L
BH-21B	3/1/90	EPA8270	Fluorene	29		µg/L
BH-21B	3/1/90	EPA8270	Benzo(a)anthracene	1	U	µg/L
BH-21B	3/1/90	EPA8270	Pyrene	1	U	µg/L
BH-21B	3/1/90	EPA8270	Anthracene	1	U	µg/L
BH-21B	3/1/90	EPA8270	Acenaphthylene	1	U	µg/L
BH-21B	3/1/90	EPA8270	Acenaphthene	58		µg/L
BH-21B	3/1/90	EPA8270	Benzo(b)fluoranthene			µg/L
BH-21B	3/1/90	EPA8270	Dibenz(a,h)anthracene	1	U	µg/L
BH-21B	1/18/96	EPA8270	Chrysene	0.15	U	µg/L
BH-21B	1/18/96	EPA8270	Phenanthrene	20	J	µg/L
BH-21B	1/18/96	EPA8270	Pyrene	0.27	U	µg/L
BH-21B	1/18/96	EPA8270	Naphthalene	2900		µg/L
BH-21B	1/18/96	EPA8270	Indeno(1,2,3-cd)pyrene	0.024	J	µg/L
BH-21B	1/18/96	EPA8270	Fluorene	63		µg/L
BH-21B	1/18/96	EPA8270	Dibenz(a,h)anthracene	0.03	U	µg/L
BH-21B	1/18/96	EPA8270	Benzo(k)fluoranthene	0.014	J	µg/L
BH-21B	1/18/96	EPA8270	Benzo(g,h,i)perylene	0.05	U	µg/L
BH-21B	1/18/96	EPA8270	Acenaphthylene	270		µg/L

Station	Date	Method	Analyte	Concentration		Conc Units
BH-21B	1/15/96	EPA8270	Benzo(a)pyrene	0.03		µg/L
BH-21B	1/15/96	EPA8270	Benzo(a)anthracene	0.02	U	µg/L
BH-21B	1/15/96	EPA8270	Anthracene	0.68	U	µg/L
BH-21B	1/15/96	EPA8270	Benzo(b)fluoranthene	0.03		µg/L
BH-21B	1/15/96	EPA8270	2-Methylnaphthalene			µg/L
BH-21B	1/15/96	EPA8270	Fluoranthene	0.21	U	µg/L
BH-21B	1/15/96	EPA8270	Acenaphthene	290		µg/L
BH-22	6/1/89	EPA8270	Dibenz(a,h)anthracene	3	U	µg/L
BH-22	6/1/89	EPA8270	Fluoranthene	3	U	µg/L
BH-22	6/1/89	EPA8270	Fluorene	3	U	µg/L
BH-22	6/1/89	EPA8270	Indeno(1,2,3-cd)pyrene	3	U	µg/L
BH-22	6/1/89	EPA8270	Phenanthrene	3	U	µg/L
BH-22	6/1/89	EPA8270	Acenaphthylene	3	U	µg/L
BH-22	6/1/89	EPA8270	Chrysene	3	U	µg/L
BH-22	6/1/89	EPA8270	Pyrene	3	U	µg/L
BH-22	6/1/89	EPA8270	Naphthalene	3	U	µg/L
BH-22	6/1/89	EPA8270	Benzo(g,h,i)perylene	3	U	µg/L
BH-22	6/1/89	EPA8270	Benzo(b)fluoranthene			µg/L
BH-22	6/1/89	EPA8270	Benzo(a)pyrene	3	U	µg/L
BH-22	6/1/89	EPA8270	Anthracene	3	U	µg/L
BH-22	6/1/89	EPA8270	Acenaphthene	3	U	µg/L
BH-22	6/1/89	EPA8270	2-Methylnaphthalene	3	U	µg/L
BH-22	6/1/89	EPA8270	Benzo(a)anthracene	3	U	µg/L
BH-22	6/1/89	EPA8270	Benzo(k)fluoranthene			µg/L
BH-23	1/1/89	EPA8270	Pyrene	2400		µg/L
BH-23	1/1/89	EPA8270	Dibenz(a,h)anthracene	420		µg/L
BH-23	1/1/89	EPA8270	Fluoranthene	2000		µg/L
BH-23	1/1/89	EPA8270	Fluorene	2200		µg/L
BH-23	1/1/89	EPA8270	Indeno(1,2,3-cd)pyrene	830		µg/L
BH-23	1/1/89	EPA8270	Phenanthrene	4700		µg/L
BH-23	1/1/89	EPA8270	Benzo(g,h,i)perylene	1000		µg/L
BH-23	1/1/89	EPA8270	Naphthalene	43000		µg/L
BH-23	1/1/89	EPA8270	2-Methylnaphthalene	12000		µg/L
BH-23	1/1/89	EPA8270	Benzo(b)fluoranthene			µg/L
BH-23	1/1/89	EPA8270	Benzo(a)pyrene	1700		µg/L
BH-23	1/1/89	EPA8270	Benzo(a)anthracene	1100		µg/L
BH-23	1/1/89	EPA8270	Anthracene	1200		µg/L
BH-23	1/1/89	EPA8270	Acenaphthylene	2300		µg/L
BH-23	1/1/89	EPA8270	Acenaphthene	1900		µg/L
BH-23	1/1/89	EPA8270	Benzo(k)fluoranthene			µg/L
BH-23	1/1/89	EPA8270	Chrysene	1700		µg/L
BH-23	1/16/96	EPA8270	Pyrene	8.8		µg/L
BH-23	1/16/96	EPA8270	Dibenz(a,h)anthracene	0.75		µg/L
BH-23	1/16/96	EPA8270	Fluoranthene	23		µg/L
BH-23	1/16/96	EPA8270	Fluorene	37		µg/L
BH-23	1/16/96	EPA8270	Indeno(1,2,3-cd)pyrene	4.8		µg/L
BH-23	1/16/96	EPA8270	Naphthalene	330		µg/L
BH-23	1/16/96	EPA8270	Benzo(g,h,i)perylene	0.08	U	µg/L
BH-23	1/16/96	EPA8270	Phenanthrene	51		µg/L
BH-23	1/16/96	EPA8270	2-Methylnaphthalene			µg/L
BH-23	1/16/96	EPA8270	Benzo(k)fluoranthene	2.1		µg/L
BH-23	1/16/96	EPA8270	Acenaphthene	86		µg/L
BH-23	1/16/96	EPA8270	Acenaphthylene	40		µg/L
BH-23	1/16/96	EPA8270	Anthracene	14		µg/L
BH-23	1/16/96	EPA8270	Benzo(a)anthracene	3.1		µg/L
BH-23	1/16/96	EPA8270	Benzo(a)pyrene	4.6		µg/L
BH-23	1/16/96	EPA8270	Benzo(b)fluoranthene	4.8		µg/L
BH-23	1/16/96	EPA8270	Chrysene	4.1		µg/L
BH-24	6/1/91	EPA8270	Phenanthrene	10	U	µg/L
BH-24	6/1/91	EPA8270	Chrysene	10	U	µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BH-24	6/1/91	EPA8270	Acenaphthene	28	B	µg/L
BH-24	6/1/91	EPA8270	Acenaphthylene	10	U	µg/L
BH-24	6/1/91	EPA8270	Benzo(a)anthracene	10	U	µg/L
BH-24	6/1/91	EPA8270	Benzo(b)fluoranthene	10	U	µg/L
BH-24	6/1/91	EPA8270	Benzo(g,h,i)perylene	10	U	µg/L
BH-24	6/1/91	EPA8270	Benzo(k)fluoranthene	10	U	µg/L
BH-24	6/1/91	EPA8270	Dibenz(a,h)anthracene	10	U	µg/L
BH-24	6/1/91	EPA8270	Fluoranthene	10	U	µg/L
BH-24	6/1/91	EPA8270	Fluorene	10		µg/L
BH-24	6/1/91	EPA8270	2-Methylnaphthalene	100		µg/L
BH-24	6/1/91	EPA8270	Naphthalene	470		µg/L
BH-24	6/1/91	EPA8270	Anthracene	10	U	µg/L
BH-24	6/1/91	EPA8270	Pyrene	10	U	µg/L
BH-24	6/1/91	EPA8270	Indeno(1,2,3-cd)pyrene	10	U	µg/L
BH-24	6/1/91	EPA8270	Benzo(a)pyrene	10	U	µg/L
BH-24	1/17/96	EPA8270	Acenaphthylene	27		µg/L
BH-24	1/17/96	EPA8270	Acenaphthene	14		µg/L
BH-24	1/17/96	EPA8270	Pyrene	0.27	U	µg/L
BH-24	1/17/96	EPA8270	Anthracene	0.66	U	µg/L
BH-24	1/17/96	EPA8270	Benzo(a)anthracene	0.02	U	µg/L
BH-24	1/17/96	EPA8270	Benzo(a)pyrene	0.03	U	µg/L
BH-24	1/17/96	EPA8270	Benzo(b)fluoranthene	0.02	U	µg/L
BH-24	1/17/96	EPA8270	Benzo(g,h,i)perylene	0.09	U	µg/L
BH-24	1/17/96	EPA8270	Benzo(k)fluoranthene	0.02	U	µg/L
BH-24	1/17/96	EPA8270	Naphthalene	1.8	U	µg/L
BH-24	1/17/96	EPA8270	2-Methylnaphthalene			µg/L
BH-24	1/17/96	EPA8270	Chrysene	0.15	U	µg/L
BH-24	1/17/96	EPA8270	Phenanthrene	0.91		µg/L
BH-24	1/17/96	EPA8270	Indeno(1,2,3-cd)pyrene	0.05	U	µg/L
BH-24	1/17/96	EPA8270	Fluorene	2.9		µg/L
BH-24	1/17/96	EPA8270	Fluoranthene	0.25		µg/L
BH-24	1/17/96	EPA8270	Dibenz(a,h)anthracene	0.03	U	µg/L
BH-25A	6/1/91	EPA8270	Acenaphthylene	35		µg/L
BH-25A	6/1/91	EPA8270	Indeno(1,2,3-cd)pyrene	20	U	µg/L
BH-25A	6/1/91	EPA8270	Acenaphthene	230	B	µg/L
BH-25A	6/1/91	EPA8270	Benzo(g,h,i)perylene	20	U	µg/L
BH-25A	6/1/91	EPA8270	Benzo(a)anthracene	27		µg/L
BH-25A	6/1/91	EPA8270	Benzo(a)pyrene	20		µg/L
BH-25A	6/1/91	EPA8270	Benzo(b)fluoranthene	18	J	µg/L
BH-25A	6/1/91	EPA8270	Anthracene	60		µg/L
BH-25A	6/1/91	EPA8270	Benzo(k)fluoranthene	20	U	µg/L
BH-25A	6/1/91	EPA8270	Chrysene	27		µg/L
BH-25A	6/1/91	EPA8270	Dibenz(a,h)anthracene	20	U	µg/L
BH-25A	6/1/91	EPA8270	Fluorene	170		µg/L
BH-25A	6/1/91	EPA8270	Naphthalene	6200		µg/L
BH-25A	6/1/91	EPA8270	Pyrene	77	B	µg/L
BH-25A	6/1/91	EPA8270	Phenanthrene	310		µg/L
BH-25A	6/1/91	EPA8270	2-Methylnaphthalene	1400		µg/L
BH-25A	6/1/91	EPA8270	Fluoranthene	150		µg/L
BH-25A	1/16/96	EPA8270	2-Methylnaphthalene			µg/L
BH-25A	1/16/96	EPA8270	Pyrene	11		µg/L
BH-25A	1/16/96	EPA8270	Acenaphthene	340		µg/L
BH-25A	1/16/96	EPA8270	Acenaphthylene	710		µg/L
BH-25A	1/16/96	EPA8270	Anthracene	49	U	µg/L
BH-25A	1/16/96	EPA8270	Benzo(a)anthracene	0.22		µg/L
BH-25A	1/16/96	EPA8270	Benzo(a)pyrene	0.17	J	µg/L
BH-25A	1/16/96	EPA8270	Benzo(b)fluoranthene	0.2	U	µg/L
BH-25A	1/16/96	EPA8270	Benzo(g,h,i)perylene	0.5	U	µg/L
BH-25A	1/16/96	EPA8270	Phenanthrene	150		µg/L
BH-25A	1/16/96	EPA8270	Chrysene	1.6	U	µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BH-25A	1/16/96	EPA8270	Dibenz(a,h)anthracene	0.3	U	µg/L
BH-25A	1/16/96	EPA8270	Fluoranthene	40		µg/L
BH-25A	1/16/96	EPA8270	Fluorene	130		µg/L
BH-25A	1/16/96	EPA8270	Indeno(1,2,3-cd)pyrene	0.5	U	µg/L
BH-25A	1/16/96	EPA8270	Naphthalene	9500		µg/L
BH-25A	1/16/96	EPA8270	Benzo(k)fluoranthene	0.2	U	µg/L
BH-25B	6/1/91	EPA8270	Acenaphthene	10	U	µg/L
BH-25B	6/1/91	EPA8270	Acenaphthylene	10	U	µg/L
BH-25B	6/1/91	EPA8270	Anthracene	10	U	µg/L
BH-25B	6/1/91	EPA8270	Benzo(a)anthracene	10	U	µg/L
BH-25B	6/1/91	EPA8270	Benzo(a)pyrene	10	U	µg/L
BH-25B	6/1/91	EPA8270	Benzo(b)fluoranthene	10	U	µg/L
BH-25B	6/1/91	EPA8270	Benzo(g,h,i)perylene	10	U	µg/L
BH-25B	6/1/91	EPA8270	Benzo(k)fluoranthene	10	U	µg/L
BH-25B	6/1/91	EPA8270	Chrysene	10	U	µg/L
BH-25B	6/1/91	EPA8270	Pyrene	10	U	µg/L
BH-25B	6/1/91	EPA8270	Fluorene	10	U	µg/L
BH-25B	6/1/91	EPA8270	Naphthalene	10	U	µg/L
BH-25B	6/1/91	EPA8270	Phenanthrene	10	U	µg/L
BH-25B	6/1/91	EPA8270	2-Methylnaphthalene	10	U	µg/L
BH-25B	6/1/91	EPA8270	Fluoranthene	10	U	µg/L
BH-25B	6/1/91	EPA8270	Dibenz(a,h)anthracene	10	U	µg/L
BH-25B	6/1/91	EPA8270	Indeno(1,2,3-cd)pyrene	10	U	µg/L
BH-25B	1/16/96	EPA8270	Benzo(a)anthracene	0.02	U	µg/L
BH-25B	1/16/96	EPA8270	Pyrene	0.15	J	µg/L
BH-25B	1/16/96	EPA8270	Acenaphthene	1.8	U	µg/L
BH-25B	1/16/96	EPA8270	Acenaphthylene	2.3	U	µg/L
BH-25B	1/16/96	EPA8270	Anthracene	0.66	U	µg/L
BH-25B	1/16/96	EPA8270	Benzo(a)pyrene	0.03	U	µg/L
BH-25B	1/16/96	EPA8270	Benzo(b)fluoranthene	0.02	U	µg/L
BH-25B	1/16/96	EPA8270	Benzo(g,h,i)perylene	0.08	U	µg/L
BH-25B	1/16/96	EPA8270	Indeno(1,2,3-cd)pyrene	0.06	U	µg/L
BH-25B	1/16/96	EPA8270	Chrysene	0.15	U	µg/L
BH-25B	1/16/96	EPA8270	Dibenz(a,h)anthracene	0.03	U	µg/L
BH-25B	1/16/96	EPA8270	Fluoranthene	0.45		µg/L
BH-25B	1/16/96	EPA8270	Fluorene	0.19	J	µg/L
BH-25B	1/16/96	EPA8270	Benzo(k)fluoranthene	0.02	U	µg/L
BH-25B	1/16/96	EPA8270	Phenanthrene	0.64	U	µg/L
BH-25B	1/16/96	EPA8270	2-Methylnaphthalene			µg/L
BH-25B	1/16/96	EPA8270	Naphthalene	2.7		µg/L
BH-26A	6/1/91	EPA8270	Chrysene	10	U	µg/L
BH-26A	6/1/91	EPA8270	Dibenz(a,h)anthracene	10	U	µg/L
BH-26A	6/1/91	EPA8270	Fluorene	10	U	µg/L
BH-26A	6/1/91	EPA8270	Naphthalene	10	U	µg/L
BH-26A	6/1/91	EPA8270	Pyrene	10	U	µg/L
BH-26A	6/1/91	EPA8270	Benzo(k)fluoranthene	10	U	µg/L
BH-26A	6/1/91	EPA8270	Fluoranthene	10	U	µg/L
BH-26A	6/1/91	EPA8270	Phenanthrene	10	U	µg/L
BH-26A	6/1/91	EPA8270	2-Methylnaphthalene	10	U	µg/L
BH-26A	6/1/91	EPA8270	Benzo(b)fluoranthene	10	U	µg/L
BH-26A	6/1/91	EPA8270	Benzo(a)pyrene	10	U	µg/L
BH-26A	6/1/91	EPA8270	Benzo(a)anthracene	10	U	µg/L
BH-26A	6/1/91	EPA8270	Anthracene	10	U	µg/L
BH-26A	6/1/91	EPA8270	Acenaphthylene	10	U	µg/L
BH-26A	6/1/91	EPA8270	Acenaphthene	10	U	µg/L
BH-26A	6/1/91	EPA8270	Indeno(1,2,3-cd)pyrene	10	U	µg/L
BH-26A	6/1/91	EPA8270	Benzo(g,h,i)perylene	10	U	µg/L
BH-26B	6/1/91	EPA8270	Dibenz(a,h)anthracene	10	U	µg/L
BH-26B	6/1/91	EPA8270	Fluoranthene	10	U	µg/L
BH-26B	6/1/91	EPA8270	Fluorene	10	U	µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BH-26B	6/1/91	EPA8270	Indeno(1,2,3-cd)pyrene	10	U	µg/L
BH-26B	6/1/91	EPA8270	Naphthalene	10	U	µg/L
BH-26B	6/1/91	EPA8270	Pyrene	10	U	µg/L
BH-26B	6/1/91	EPA8270	Benzo(g,h,i)perylene	10	U	µg/L
BH-26B	6/1/91	EPA8270	Phenanthrene	10	U	µg/L
BH-26B	6/1/91	EPA8270	2-Methylnaphthalene	10	U	µg/L
BH-26B	6/1/91	EPA8270	Benzo(b)fluoranthene	10	U	µg/L
BH-26B	6/1/91	EPA8270	Benzo(a)pyrene	10	U	µg/L
BH-26B	6/1/91	EPA8270	Benzo(a)anthracene	10	U	µg/L
BH-26B	6/1/91	EPA8270	Anthracene	10	U	µg/L
BH-26B	6/1/91	EPA8270	Acenaphthylene	10	U	µg/L
BH-26B	6/1/91	EPA8270	Acenaphthene	10	U	µg/L
BH-26B	6/1/91	EPA8270	Benzo(k)fluoranthene	10	U	µg/L
BH-26B	6/1/91	EPA8270	Chrysene	10	U	µg/L
BH-27	6/1/91	EPA8270	Chrysene	10	U	µg/L
BH-27	6/1/91	EPA8270	Dibenz(a,h)anthracene	10	U	µg/L
BH-27	6/1/91	EPA8270	Pyrene	10	U	µg/L
BH-27	6/1/91	EPA8270	Fluorene	10	U	µg/L
BH-27	6/1/91	EPA8270	Fluoranthene	10	U	µg/L
BH-27	6/1/91	EPA8270	Naphthalene	10	U	µg/L
BH-27	6/1/91	EPA8270	Benzo(k)fluoranthene	10	U	µg/L
BH-27	6/1/91	EPA8270	Phenanthrene	10	U	µg/L
BH-27	6/1/91	EPA8270	2-Methylnaphthalene	10	U	µg/L
BH-27	6/1/91	EPA8270	Indeno(1,2,3-cd)pyrene	10	U	µg/L
BH-27	6/1/91	EPA8270	Acenaphthene	10	U	µg/L
BH-27	6/1/91	EPA8270	Acenaphthylene	10	U	µg/L
BH-27	6/1/91	EPA8270	Anthracene	10	U	µg/L
BH-27	6/1/91	EPA8270	Benzo(a)anthracene	10	U	µg/L
BH-27	6/1/91	EPA8270	Benzo(a)pyrene	10	U	µg/L
BH-27	6/1/91	EPA8270	Benzo(b)fluoranthene	10	U	µg/L
BH-27	6/1/91	EPA8270	Benzo(g,h,i)perylene	10	U	µg/L
BH-28	1/18/96	EPA8270	Phenanthrene	0.64	U	µg/L
BH-28	1/18/96	EPA8270	Chrysene	0.15	U	µg/L
BH-28	1/18/96	EPA8270	Pyrene	0.27	U	µg/L
BH-28	1/18/96	EPA8270	Naphthalene	1.8	U	µg/L
BH-28	1/18/96	EPA8270	Indeno(1,2,3-cd)pyrene	0.06	U	µg/L
BH-28	1/18/96	EPA8270	Fluorene	0.21	U	µg/L
BH-28	1/18/96	EPA8270	Fluoranthene	0.21	U	µg/L
BH-28	1/18/96	EPA8270	Dibenz(a,h)anthracene	0.03	U	µg/L
BH-28	1/18/96	EPA8270	2-Methylnaphthalene			µg/L
BH-28	1/18/96	EPA8270	Benzo(k)fluoranthene	0.02	U	µg/L
BH-28	1/18/96	EPA8270	Acenaphthene	1.8	U	µg/L
BH-28	1/18/96	EPA8270	Acenaphthylene	2.3	U	µg/L
BH-28	1/18/96	EPA8270	Anthracene	0.66	U	µg/L
BH-28	1/18/96	EPA8270	Benzo(a)anthracene	0.02	U	µg/L
BH-28	1/18/96	EPA8270	Benzo(a)pyrene	0.03	U	µg/L
BH-28	1/18/96	EPA8270	Benzo(b)fluoranthene	0.02	U	µg/L
BH-28	1/18/96	EPA8270	Benzo(g,h,i)perylene	0.08	U	µg/L
BH-5	1/18/96	EPA8270	Benzo(g,h,i)perylene	5	U	µg/L
BH-5	1/18/96	EPA8270	Naphthalene	6500		µg/L
BH-5	1/18/96	EPA8270	Indeno(1,2,3-cd)pyrene	3.2	J	µg/L
BH-5	1/18/96	EPA8270	Fluorene	73		µg/L
BH-5	1/18/96	EPA8270	Fluoranthene	21	U	µg/L
BH-5	1/18/96	EPA8270	Dibenz(a,h)anthracene	3	U	µg/L
BH-5	1/18/96	EPA8270	2-Methylnaphthalene			µg/L
BH-5	1/18/96	EPA8270	Phenanthrene	59	J	µg/L
BH-5	1/18/96	EPA8270	Pyrene	27	U	µg/L
BH-5	1/18/96	EPA8270	Benzo(b)fluoranthene	2.9		µg/L
BH-5	1/18/96	EPA8270	Benzo(a)pyrene	3.4		µg/L
BH-5	1/18/96	EPA8270	Benzo(a)anthracene	2	U	µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BH-5	1/18/96	EPA8270	Anthracene	66	U	µg/L
BH-5	1/18/96	EPA8270	Acenaphthylene	1100	U	µg/L
BH-5	1/18/96	EPA8270	Acenaphthene	160	J	µg/L
BH-5	1/18/96	EPA8270	Benzo(k)fluoranthene	1.3	J	µg/L
BH-5	1/18/96	EPA8270	Chrysene	15	U	µg/L
BH-5A	1/17/96	EPA8270	Dibenz(a,h)anthracene	0.05	U	µg/L
BH-5A	1/17/96	EPA8270	Fluoranthene	1.5		µg/L
BH-5A	1/17/96	EPA8270	Fluorene	2.8		µg/L
BH-5A	1/17/96	EPA8270	Indeno(1,2,3-cd)pyrene	0.05	U	µg/L
BH-5A	1/17/96	EPA8270	Naphthalene	7		µg/L
BH-5A	1/17/96	EPA8270	Phenanthrene	2.9		µg/L
BH-5A	1/17/96	EPA8270	Chrysene	0.12	J	µg/L
BH-5A	1/17/96	EPA8270	Pyrene	0.27	U	µg/L
BH-5A	1/17/96	EPA8270	2-Methylnaphthalene			µg/L
BH-5A	1/17/96	EPA8270	Benzo(g,h,i)perylene	0.08	U	µg/L
BH-5A	1/17/96	EPA8270	Benzo(b)fluoranthene	0.1		µg/L
BH-5A	1/17/96	EPA8270	Benzo(a)pyrene	0.12		µg/L
BH-5A	1/17/96	EPA8270	Benzo(a)anthracene	0.11		µg/L
BH-5A	1/17/96	EPA8270	Anthracene	0.99		µg/L
BH-5A	1/17/96	EPA8270	Acenaphthylene	2.3	U	µg/L
BH-5A	1/17/96	EPA8270	Acenaphthene	3.2		µg/L
BH-5A	1/17/96	EPA8270	Benzo(k)fluoranthene	0.06		µg/L
WP-1	1/19/96	EPA8270	Dibenz(a,h)anthracene	0.023	J	µg/L
WP-1	1/19/96	EPA8270	Fluoranthene	0.28		µg/L
WP-1	1/19/96	EPA8270	Fluorene	0.21	U	µg/L
WP-1	1/19/96	EPA8270	Indeno(1,2,3-cd)pyrene	0.11		µg/L
WP-1	1/19/96	EPA8270	Naphthalene	1.8	U	µg/L
WP-1	1/19/96	EPA8270	Pyrene	0.27	U	µg/L
WP-1	1/19/96	EPA8270	Benzo(g,h,i)perylene	0.1		µg/L
WP-1	1/19/96	EPA8270	Phenanthrene	0.64	U	µg/L
WP-1	1/19/96	EPA8270	Benzo(b)fluoranthene	0.14		µg/L
WP-1	1/19/96	EPA8270	Benzo(a)pyrene	0.12		µg/L
WP-1	1/19/96	EPA8270	Benzo(a)anthracene	0.044		µg/L
WP-1	1/19/96	EPA8270	Anthracene	0.96	U	µg/L
WP-1	1/19/96	EPA8270	Acenaphthylene	2.3	U	µg/L
WP-1	1/19/96	EPA8270	Acenaphthene	1.8	U	µg/L
WP-1	1/19/96	EPA8270	2-Methylnaphthalene			µg/L
WP-1	1/19/96	EPA8270	Benzo(k)fluoranthene	0.063		µg/L
WP-1	1/19/96	EPA8270	Chrysene	0.061	J	µg/L
WP-2	1/19/96	EPA8270	Chrysene	0.15	U	µg/L
WP-2	1/19/96	EPA8270	Dibenz(a,h)anthracene	0.03	U	µg/L
WP-2	1/19/96	EPA8270	Fluoranthene	0.21	U	µg/L
WP-2	1/19/96	EPA8270	Pyrene	0.27	U	µg/L
WP-2	1/19/96	EPA8270	Fluorene	0.21	U	µg/L
WP-2	1/19/96	EPA8270	Anthracene	0.96	U	µg/L
WP-2	1/19/96	EPA8270	Indeno(1,2,3-cd)pyrene	0.041	J	µg/L
WP-2	1/19/96	EPA8270	Phenanthrene	0.64	U	µg/L
WP-2	1/19/96	EPA8270	Naphthalene	1.8	U	µg/L
WP-2	1/19/96	EPA8270	Benzo(k)fluoranthene	0.028		µg/L
WP-2	1/19/96	EPA8270	Benzo(a)pyrene	0.049		µg/L
WP-2	1/19/96	EPA8270	2-Methylnaphthalene			µg/L
WP-2	1/19/96	EPA8270	Acenaphthene	1.8	U	µg/L
WP-2	1/19/96	EPA8270	Acenaphthylene	2.3	U	µg/L
WP-2	1/19/96	EPA8270	Benzo(a)anthracene	0.014	J	µg/L
WP-2	1/19/96	EPA8270	Benzo(b)fluoranthene	0.057		µg/L
WP-2	1/19/96	EPA8270	Benzo(g,h,i)perylene	0.08	U	µg/L
WP-3	1/22/96	EPA8270	Benzo(g,h,i)perylene	8.5		µg/L
WP-3	1/22/96	EPA8270	Dibenz(a,h)anthracene	2	J	µg/L
WP-3	1/22/96	EPA8270	Phenanthrene	64	U	µg/L
WP-3	1/22/96	EPA8270	Naphthalene	11000		µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
WP-3	1/22/96	EPA8270	Indeno(1,2,3-cd)pyrene	5.3	U	µg/L
WP-3	1/22/96	EPA8270	Fluorene	18	J	µg/L
WP-3	1/22/96	EPA8270	Fluoranthene	20	J	µg/L
WP-3	1/22/96	EPA8270	Pyrene	27	U	µg/L
WP-3	1/22/96	EPA8270	Acenaphthylene	590		µg/L
WP-3	1/22/96	EPA8270	2-Methylnaphthalene			µg/L
WP-3	1/22/96	EPA8270	Chrysene	15	U	µg/L
WP-3	1/22/96	EPA8270	Acenaphthene	180	U	µg/L
WP-3	1/22/96	EPA8270	Benzo(k)fluoranthene	4.3		µg/L
WP-3	1/22/96	EPA8270	Anthracene	66	U	µg/L
WP-3	1/22/96	EPA8270	Benzo(a)anthracene	3.4		µg/L
WP-3	1/22/96	EPA8270	Benzo(a)pyrene	10		µg/L
WP-3	1/22/96	EPA8270	Benzo(b)fluoranthene	10		µg/L
WP-4	1/19/96	EPA8270	Fluorene	0.39		µg/L
WP-4	1/19/96	EPA8270	Benzo(k)fluoranthene	0.11		µg/L
WP-4	1/19/96	EPA8270	Indeno(1,2,3-cd)pyrene	0.13		µg/L
WP-4	1/19/96	EPA8270	Pyrene	0.4		µg/L
WP-4	1/19/96	EPA8270	Fluoranthene	0.23	U	µg/L
WP-4	1/19/96	EPA8270	Dibenz(a,h)anthracene	0.11		µg/L
WP-4	1/19/96	EPA8270	Chrysene	0.2		µg/L
WP-4	1/19/96	EPA8270	Phenanthrene	0.86		µg/L
WP-4	1/19/96	EPA8270	2-Methylnaphthalene			µg/L
WP-4	1/19/96	EPA8270	Benzo(b)fluoranthene	0.28		µg/L
WP-4	1/19/96	EPA8270	Benzo(a)pyrene	0.23		µg/L
WP-4	1/19/96	EPA8270	Benzo(a)anthracene	0.14		µg/L
WP-4	1/19/96	EPA8270	Anthracene	0.45	J	µg/L
WP-4	1/19/96	EPA8270	Acenaphthylene	2.3	U	µg/L
WP-4	1/19/96	EPA8270	Acenaphthene	1.1	J	µg/L
WP-4	1/19/96	EPA8270	Benzo(g,h,i)perylene	0.12		µg/L
WP-4	1/19/96	EPA8270	Naphthalene	100		µg/L
WP-5	1/22/96	EPA8270	Chrysene	0.15	U	µg/L
WP-5	1/22/96	EPA8270	Dibenz(a,h)anthracene	0.03	U	µg/L
WP-5	1/22/96	EPA8270	Fluorene	66		µg/L
WP-5	1/22/96	EPA8270	Naphthalene	220		µg/L
WP-5	1/22/96	EPA8270	Benzo(k)fluoranthene	0.02	U	µg/L
WP-5	1/22/96	EPA8270	Pyrene	0.66		µg/L
WP-5	1/22/96	EPA8270	Fluoranthene	0.21	U	µg/L
WP-5	1/22/96	EPA8270	Phenanthrene	48		µg/L
WP-5	1/22/96	EPA8270	2-Methylnaphthalene			µg/L
WP-5	1/22/96	EPA8270	Benzo(b)fluoranthene	0.019	J	µg/L
WP-5	1/22/96	EPA8270	Benzo(a)pyrene	0.017	J	µg/L
WP-5	1/22/96	EPA8270	Benzo(a)anthracene	0.02	U	µg/L
WP-5	1/22/96	EPA8270	Anthracene	15	U	µg/L
WP-5	1/22/96	EPA8270	Acenaphthylene	99		µg/L
WP-5	1/22/96	EPA8270	Acenaphthene	270		µg/L
WP-5	1/22/96	EPA8270	Indeno(1,2,3-cd)pyrene	0.05	U	µg/L
WP-5	1/22/96	EPA8270	Benzo(g,h,i)perylene	0.06	U	µg/L
WP-6	1/22/96	EPA8270	Dibenz(a,h)anthracene	0.03	U	µg/L
WP-6	1/22/96	EPA8270	Fluoranthene	0.37		µg/L
WP-6	1/22/96	EPA8270	Fluorene	0.62		µg/L
WP-6	1/22/96	EPA8270	Indeno(1,2,3-cd)pyrene	0.05	U	µg/L
WP-6	1/22/96	EPA8270	Chrysene	0.15	U	µg/L
WP-6	1/22/96	EPA8270	Phenanthrene	0.66		µg/L
WP-6	1/22/96	EPA8270	Anthracene	0.66	U	µg/L
WP-6	1/22/96	EPA8270	Naphthalene	1.8	U	µg/L
WP-6	1/22/96	EPA8270	Benzo(k)fluoranthene	0.02	U	µg/L
WP-6	1/22/96	EPA8270	Benzo(g,h,i)perylene	0.06	U	µg/L
WP-6	1/22/96	EPA8270	Benzo(b)fluoranthene	0.02	U	µg/L
WP-6	1/22/96	EPA8270	Benzo(a)anthracene	0.02	U	µg/L
WP-6	1/22/96	EPA8270	Acenaphthylene	2.3	U	µg/L

Station	Date	Method	Analyte	Concentration		Conc Units
WP-6	1/22/96	EPA8270	Acenaphthene	2.9		µg/L
WP-6	1/22/96	EPA8270	2-Methylnaphthalene			µg/L
WP-6	1/22/96	EPA8270	Pyrene	0.27	U	µg/L
WP-6	1/22/96	EPA8270	Benzo(a)pyrene	0.03	U	µg/L

7. TABLE TOTAL PAHS IN GROUNDWATER. SUMMARY OF TOTAL PAH CONCENTRATIONS IN GROUNDWATER

Station	Date	Method	Analyte	Concentration	Conc. Units
BAX-8	1/11/89	EPA8270	Total PAHs	112	µg/L
BAX-8	6/1/89	EPA8270	Total PAHs	46.8	µg/L
BAX-8	11/16/89	EPA8270	Total PAHs	51	µg/L
BAX-8	3/13/90	EPA8270	Total PAHs	60.7	µg/L
BAX-8	1/17/96	EPA8270	Total PAHs	81.885	µg/L
BH-12	1/1/89	EPA8270	Total PAHs	73	µg/L
BH-12A	11/1/89	EPA8270	Total PAHs	6.5	µg/L
BH-12A	3/1/90	EPA8270	Total PAHs	6.5	µg/L
BH-17A	1/1/89	EPA8270	Total PAHs	8	µg/L
BH-17A	6/1/89	EPA8270	Total PAHs	31.2	µg/L
BH-17A	3/1/90	EPA8270	Total PAHs	6.5	µg/L
BH-17A	11/1/90	EPA8270	Total PAHs	8.6	µg/L
BH-17B	1/1/89	EPA8270	Total PAHs	16.6	µg/L
BH-17B	6/1/89	EPA8270	Total PAHs	8	µg/L
BH-17B	11/1/89	EPA8270	Total PAHs	8.5	µg/L
BH-18A	1/1/89	EPA8270	Total PAHs	2414	µg/L
BH-18A	6/1/89	EPA8270	Total PAHs	2858	µg/L
BH-18A	11/1/89	EPA8270	Total PAHs	1218.6	µg/L
BH-18A	3/1/90	EPA8270	Total PAHs	1770	µg/L
BH-18A	1/17/96	EPA8270	Total PAHs	3359.922	µg/L
BH-18B	1/1/89	EPA8270	Total PAHs	6.5	µg/L
BH-18B	6/1/89	EPA8270	Total PAHs	7.5	µg/L
BH-18B	11/1/89	EPA8270	Total PAHs	47	µg/L
BH-18B	3/1/90	EPA8270	Total PAHs	11.3	µg/L
BH-18B	1/17/96	EPA8270	Total PAHs	4.145	µg/L
BH-19	1/1/89	EPA8270	Total PAHs	1782	µg/L
BH-19	6/1/89	EPA8270	Total PAHs	1321.5	µg/L
BH-19	11/1/89	EPA8270	Total PAHs	717.2	µg/L
BH-19	3/1/90	EPA8270	Total PAHs	869.8	µg/L
BH-19	1/16/96	EPA8270	Total PAHs	563.005	µg/L
BH-20A	1/1/89	EPA8270	Total PAHs	13376	µg/L
BH-20A	6/1/89	EPA8270	Total PAHs	6753	µg/L
BH-20A	11/1/89	EPA8270	Total PAHs	3844.6	µg/L
BH-20A	3/1/90	EPA8270	Total PAHs	5488.3	µg/L
BH-20A	1/16/96	EPA8270	Total PAHs	87.01	µg/L
BH-20B	1/1/89	EPA8270	Total PAHs	82.5	µg/L
BH-20B	6/1/89	EPA8270	Total PAHs	3848.5	µg/L
BH-20B	11/1/89	EPA8270	Total PAHs	129.2	µg/L
BH-20B	3/1/90	EPA8270	Total PAHs	180	µg/L
BH-20B	1/17/96	EPA8270	Total PAHs	4726.942	µg/L
BH-21A	11/1/89	EPA8270	Total PAHs	8.7	µg/L
BH-21A	3/1/90	EPA8270	Total PAHs	30924	µg/L
BH-21A	5/1/91	EPA8270	Total PAHs	2843	µg/L
BH-21A	1/16/96	EPA8270	Total PAHs	3903.21	µg/L
BH-21B	1/1/89	EPA8270	Total PAHs	934	µg/L
BH-21B	6/1/89	EPA8270	Total PAHs	1877.5	µg/L
BH-21B	11/1/89	EPA8270	Total PAHs	86.3	µg/L
BH-21B	3/1/90	EPA8270	Total PAHs	219.3	µg/L
BH-21B	1/16/96	EPA8270	Total PAHs	3543.806	µg/L
BH-22	6/1/89	EPA8270	Total PAHs	22.5	µg/L
BH-23	1/1/89	EPA8270	Total PAHs	78460	µg/L
BH-23	1/16/96	EPA8270	Total PAHs	812.29	µg/L
BH-24	6/1/91	EPA8270	Total PAHs	871	µg/L
BH-24	1/17/96	EPA8270	Total PAHs	48.625	µg/L
BH-25A	6/1/91	EPA8270	Total PAHs	10764	µg/L

Station	Date	Method	Analyte	Concentration	Conc. Units
BH-25A	1/16/96	EPA8270	Total PAHs	10937.84	µg/L
BH-25B	6/1/91	EPA8270	Total PAHs	65	µg/L
BH-25B	1/16/96	EPA8270	Total PAHs	8.39	µg/L
BH-26A	6/1/91	EPA8270	Total PAHs	65	µg/L
BH-26B	6/1/91	EPA8270	Total PAHs	65	µg/L
BH-27	6/1/91	EPA8270	Total PAHs	65	µg/L
BH-28	1/18/96	EPA8270	Total PAHs	4.145	µg/L
BH-5	1/18/96	EPA8270	Total PAHs	7423.6	µg/L
BH-5A	1/17/96	EPA8270	Total PAHs	20.275	µg/L
WP-1	1/19/96	EPA8270	Total PAHs	4.501	µg/L
WP-2	1/19/96	EPA8270	Total PAHs	4.253	µg/L
WP-3	1/22/96	EPA8270	Total PAHs	11847.35	µg/L
WP-4	1/18/96	EPA8270	Total PAHs	108.765	µg/L
WP-5	1/22/96	EPA8270	Total PAHs	732.706	µg/L
WP-6	1/22/96	EPA8270	Total PAHs	6.665	µg/L

6. TABLE CPAH GROUNDWATER. SUMMARY OF CARCINOGENIC PAH CONCENTRATIONS IN GROUNDWATER

Station	Date	Method	Analyte	Concentration	Conc. Units
BAX-9	1/11/89	EPA8270	Total CPAHs	17.8	µg/L
BAX-9	6/1/89	EPA8270	Total CPAHs	3.2	µg/L
BAX-9	11/19/89	EPA8270	Total CPAHs	2.5	µg/L
BAX-9	3/12/90	EPA8270	Total CPAHs	2.5	µg/L
BAX-9	1/17/96	EPA8270	Total CPAHs	0.18	µg/L
BH-12	1/1/89	EPA8270	Total CPAHs	13	µg/L
BH-12A	11/1/89	EPA8270	Total CPAHs	3.5	µg/L
BH-12A	3/1/90	EPA8270	Total CPAHs	3.5	µg/L
BH-17A	1/1/89	EPA8270	Total CPAHs	3	µg/L
BH-17A	6/1/89	EPA8270	Total CPAHs	3	µg/L
BH-17A	3/1/90	EPA8270	Total CPAHs	3.5	µg/L
BH-17A	11/1/90	EPA8270	Total CPAHs	3.5	µg/L
BH-17B	1/1/89	EPA8270	Total CPAHs	8.5	µg/L
BH-17B	6/1/89	EPA8270	Total CPAHs	3	µg/L
BH-17B	11/1/89	EPA8270	Total CPAHs	3.5	µg/L
BH-18A	1/1/89	EPA8270	Total CPAHs	4	µg/L
BH-18A	6/1/89	EPA8270	Total CPAHs	25	µg/L
BH-18A	11/1/89	EPA8270	Total CPAHs	3.5	µg/L
BH-18A	3/1/90	EPA8270	Total CPAHs	3.5	µg/L
BH-18A	1/17/96	EPA8270	Total CPAHs	0.982	µg/L
BH-18B	1/1/89	EPA8270	Total CPAHs	2.5	µg/L
BH-18B	6/1/89	EPA8270	Total CPAHs	2.5	µg/L
BH-18B	11/1/89	EPA8270	Total CPAHs	3.5	µg/L
BH-18B	3/1/90	EPA8270	Total CPAHs	3.5	µg/L
BH-18B	1/17/96	EPA8270	Total CPAHs	0.16	µg/L
BH-19	1/1/89	EPA8270	Total CPAHs	15	µg/L
BH-19	6/1/89	EPA8270	Total CPAHs	5	µg/L
BH-19	11/1/89	EPA8270	Total CPAHs	3.5	µg/L
BH-19	3/1/90	EPA8270	Total CPAHs	3.5	µg/L
BH-19	1/16/96	EPA8270	Total CPAHs	0.16	µg/L
BH-20A	1/1/89	EPA8270	Total CPAHs	185	µg/L
BH-20A	6/1/89	EPA8270	Total CPAHs	103	µg/L
BH-20A	11/1/89	EPA8270	Total CPAHs	2.5	µg/L
BH-20A	3/1/90	EPA8270	Total CPAHs	81.8	µg/L
BH-20A	1/16/96	EPA8270	Total CPAHs	16.48	µg/L
BH-20B	1/1/89	EPA8270	Total CPAHs	2.5	µg/L
BH-20B	6/1/89	EPA8270	Total CPAHs	2.5	µg/L
BH-20B	11/1/89	EPA8270	Total CPAHs	2.5	µg/L
BH-20B	3/1/90	EPA8270	Total CPAHs	3.5	µg/L
BH-20B	1/17/96	EPA8270	Total CPAHs	0.187	µg/L
BH-21A	11/1/89	EPA8270	Total CPAHs	2.5	µg/L
BH-21A	3/1/90	EPA8270	Total CPAHs	2294	µg/L
BH-21A	6/1/91	EPA8270	Total CPAHs	284	µg/L
BH-21A	1/19/96	EPA8270	Total CPAHs	30.21	µg/L
BH-21B	1/1/89	EPA8270	Total CPAHs	4	µg/L
BH-21B	6/1/89	EPA8270	Total CPAHs	2.5	µg/L
BH-21B	11/1/89	EPA8270	Total CPAHs	2.5	µg/L
BH-21B	3/1/90	EPA8270	Total CPAHs	2.5	µg/L
BH-21B	1/18/96	EPA8270	Total CPAHs	0.198	µg/L
BH-22	6/1/89	EPA8270	Total CPAHs	7.5	µg/L
BH-23	1/1/89	EPA8270	Total CPAHs	5760	µg/L
BH-23	1/18/96	EPA8270	Total CPAHs	24.45	µg/L
BH-24	6/1/91	EPA8270	Total CPAHs	36	µg/L
BH-24	1/17/96	EPA8270	Total CPAHs	0.18	µg/L
BH-25A	6/1/91	EPA8270	Total CPAHs	122	µg/L

Station	Date	Method	Analyte	Concentration	Conc. Units
BH-25A	1/16/96	EPA8270	Total CPAHs	1.74	µg/L
BH-25B	6/1/91	EPA8270	Total CPAHs	35	µg/L
BH-25B	1/16/96	EPA8270	Total CPAHs	0.16	µg/L
BH-26A	6/1/91	EPA8270	Total CPAHs	35	µg/L
BH-26B	6/1/91	EPA8270	Total CPAHs	35	µg/L
BH-27	6/1/91	EPA8270	Total CPAHs	35	µg/L
BH-28	1/16/96	EPA8270	Total CPAHs	0.16	µg/L
BH-8	1/16/96	EPA8270	Total CPAHs	20.6	µg/L
BH-5A	1/17/96	EPA8270	Total CPAHs	0.36	µg/L
WP-1	1/19/96	EPA8270	Total CPAHs	0.581	µg/L
WP-2	1/19/96	EPA8270	Total CPAHs	0.266	µg/L
WP-3	1/22/96	EPA8270	Total CPAHs	41.35	µg/L
WP-4	1/19/96	EPA8270	Total CPAHs	1.2	µg/L
WP-5	1/22/96	EPA8270	Total CPAHs	0.171	µg/L
WP-6	1/22/96	EPA8270	Total CPAHs	0.16	µg/L

9. TABLE GROUNDWATER METALS. SUMMARY OF METAL CONCENTRATIONS IN GROUNDWATER

Station	Date	Method	Analyte	Concentration		Conc. Units
BAX-9	5/1/89	6010	Calcium	75,000		µg/L
BAX-9	5/1/89	6010	Zinc	17		µg/L
BAX-9	5/1/89	6010	Potassium	1,100		µg/L
BAX-9	5/1/89	6010	Nickel	10	U	µg/L
BAX-9	5/1/89	6010	Manganese	1,930		µg/L
BAX-9	5/1/89	6010	Magnesium	30,300		µg/L
BAX-9	5/1/89	6010	Lead	1	U	µg/L
BAX-9	5/1/89	6010	Iron	61,300		µg/L
BAX-9	5/1/89	6010	Chromium	5	U	µg/L
BAX-9	5/1/89	6010	Arsenic	1	U	µg/L
BAX-9	5/1/89	6010	Copper	2	U	µg/L
BAX-9	5/1/91	6010	Manganese	2,000		µg/L
BAX-9	5/1/91	6010	Zinc	13		µg/L
BAX-9	5/1/91	6010	Nickel	10	U	µg/L
BAX-9	5/1/91	6010	Magnesium	29,000		µg/L
BAX-9	5/1/91	6010	Lead			µg/L
BAX-9	5/1/91	6010	Iron	83,000		µg/L
BAX-9	5/1/91	6010	Copper	14		µg/L
BAX-9	5/1/91	6010	Chromium	6	U	µg/L
BAX-9	5/1/91	6010	Calcium	78,000		µg/L
BAX-9	5/1/91	6010	Arsenic			µg/L
BAX-9	5/1/91	6010	Potassium	900		µg/L
BAX-9	1/17/96	6010	Lead			µg/L
BAX-9	1/17/96	6010	Zinc			µg/L
BAX-9	1/17/96	6010	Arsenic	2		µg/L
BAX-9	1/17/96	6010	Calcium			µg/L
BAX-9	1/17/96	6010	Chromium			µg/L
BAX-9	1/17/96	6010	Iron			µg/L
BAX-9	1/17/96	6010	Manganese			µg/L
BAX-9	1/17/96	6010	Potassium			µg/L
BAX-9	1/17/96	6010	Nickel			µg/L
BAX-9	1/17/96	6010	Copper			µg/L
BAX-9	1/17/96	6010	Magnesium			µg/L
BH-12	1/1/89	6010	Iron	7,520		µg/L
BH-12	1/1/89	6010	Potassium	11,500		µg/L
BH-12	1/1/89	6010	Nickel	10	U	µg/L
BH-12	1/1/89	6010	Manganese	2,750		µg/L
BH-12	1/1/89	6010	Lead	1	U	µg/L
BH-12	1/1/89	6010	Copper	2		µg/L
BH-12	1/1/89	6010	Chromium			µg/L
BH-12	1/1/89	6010	Calcium	59,400		µg/L
BH-12	1/1/89	6010	Arsenic	8		µg/L
BH-12	1/1/89	6010	Zinc	7		µg/L
BH-12	1/1/89	6010	Magnesium	25,000		µg/L
BH-12	5/1/91	6010	Magnesium	14,000		µg/L
BH-12	5/1/91	6010	Zinc	16		µg/L
BH-12	5/1/91	6010	Potassium	8,300		µg/L
BH-12	5/1/91	6010	Nickel	10	U	µg/L
BH-12	5/1/91	6010	Manganese	1,500		µg/L
BH-12	5/1/91	6010	Iron	7,500		µg/L
BH-12	5/1/91	6010	Copper	3		µg/L
BH-12	5/1/91	6010	Chromium	5	U	µg/L
BH-12	5/1/91	6010	Calcium	40,000		µg/L
BH-12	5/1/91	6010	Arsenic			µg/L
BH-12	5/1/91	6010	Lead			µg/L
BH-12A	11/1/89	6010	Iron	3,590		µg/L
BH-12A	11/1/89	6010	Zinc	17		µg/L
BH-12A	11/1/89	6010	Potassium	10,500		µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BH-12A	11/1/89	6010	Nickel	10	U	µg/L
BH-12A	11/1/89	6010	Manganese	1,880		µg/L
BH-12A	11/1/89	6010	Lead	3		µg/L
BH-12A	11/1/89	6010	Copper	15		µg/L
BH-12A	11/1/89	6010	Chromium	5	U	µg/L
BH-12A	11/1/89	6010	Calcium	53,700		µg/L
BH-12A	11/1/89	6010	Arsenic	4		µg/L
BH-12A	11/1/89	6010	Magnesium	18,500		µg/L
BH-17A	1/1/89	6010	Magnesium	8,600		µg/L
BH-17A	1/1/89	6010	Calcium	22,000		µg/L
BH-17A	1/1/89	6010	Potassium	2,200		µg/L
BH-17A	1/1/89	6010	Nickel			µg/L
BH-17A	1/1/89	6010	Zinc	8		µg/L
BH-17A	1/1/89	6010	Manganese	1,350		µg/L
BH-17A	1/1/89	6010	Iron	2,010		µg/L
BH-17A	1/1/89	6010	Chromium			µg/L
BH-17A	1/1/89	6010	Arsenic	1	U	µg/L
BH-17A	1/1/89	6010	Lead			µg/L
BH-17A	1/1/89	6010	Copper	2	U	µg/L
BH-17A	6/1/89	6010	Potassium	1,300		µg/L
BH-17A	6/1/89	6010	Chromium	5	U	µg/L
BH-17A	6/1/89	6010	Copper	2	U	µg/L
BH-17A	6/1/89	6010	Iron	11,500		µg/L
BH-17A	6/1/89	6010	Lead	1	U	µg/L
BH-17A	6/1/89	6010	Magnesium	18,200		µg/L
BH-17A	6/1/89	6010	Nickel	10	U	µg/L
BH-17A	6/1/89	6010	Zinc	11		µg/L
BH-17A	6/1/89	6010	Arsenic	1	U	µg/L
BH-17A	6/1/89	6010	Calcium	34,800		µg/L
BH-17A	6/1/89	6010	Manganese	1,480		µg/L
BH-17A	11/1/89	6010	Iron	7,300		µg/L
BH-17A	11/1/89	6010	Zinc	10		µg/L
BH-17A	11/1/89	6010	Potassium	1,800		µg/L
BH-17A	11/1/89	6010	Nickel	10	U	µg/L
BH-17A	11/1/89	6010	Manganese	673		µg/L
BH-17A	11/1/89	6010	Lead	1	U	µg/L
BH-17A	11/1/89	6010	Copper	2	U	µg/L
BH-17A	11/1/89	6010	Chromium	5	U	µg/L
BH-17A	11/1/89	6010	Calcium	23,600		µg/L
BH-17A	11/1/89	6010	Arsenic	1		µg/L
BH-17A	11/1/89	6010	Magnesium	8,980		µg/L
BH-17A	5/1/91	6010	Potassium	1,400		µg/L
BH-17A	5/1/91	6010	Zinc	14		µg/L
BH-17A	5/1/91	6010	Arsenic			µg/L
BH-17A	5/1/91	6010	Calcium	25,000		µg/L
BH-17A	5/1/91	6010	Nickel	10	U	µg/L
BH-17A	5/1/91	6010	Manganese	870		µg/L
BH-17A	5/1/91	6010	Magnesium	9,700		µg/L
BH-17A	5/1/91	6010	Chromium	5	U	µg/L
BH-17A	5/1/91	6010	Lead			µg/L
BH-17A	5/1/91	6010	Iron	14,000		µg/L
BH-17A	5/1/91	6010	Copper	15		µg/L
BH-17B		6010	Nickel	10	U	µg/L
BH-17B		6010	Chromium	5	U	µg/L
BH-17B		6010	Copper	2	U	µg/L
BH-17B		6010	Iron	916		µg/L
BH-17B		6010	Lead	1	U	µg/L
BH-17B		6010	Zinc	8		µg/L
BH-17B		6010	Manganese	542		µg/L
BH-17B		6010	Calcium	53,900		µg/L
BH-17B		6010	Potassium	3,900		µg/L
BH-17B		6010	Arsenic	1	U	µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BH-17B		6010	Magnesium	16,600		µg/L
BH-17B	1/1/89	6010	Potassium	4,100		µg/L
BH-17B	1/1/89	6010	Arsenic	1		µg/L
BH-17B	1/1/89	6010	Calcium	59,500		µg/L
BH-17B	1/1/89	6010	Chromium			µg/L
BH-17B	1/1/89	6010	Copper	2	U	µg/L
BH-17B	1/1/89	6010	Iron	504		µg/L
BH-17B	1/1/89	6010	Lead			µg/L
BH-17B	1/1/89	6010	Magnesium	15,200		µg/L
BH-17B	1/1/89	6010	Nickel			µg/L
BH-17B	1/1/89	6010	Zinc	69		µg/L
BH-17B	1/1/89	6010	Manganese	580		µg/L
BH-17B	11/1/89	6010	Lead	1	U	µg/L
BH-17B	11/1/89	6010	Zinc	4	U	µg/L
BH-17B	11/1/89	6010	Calcium	62,000		µg/L
BH-17B	11/1/89	6010	Chromium	5	U	µg/L
BH-17B	11/1/89	6010	Iron	2,370		µg/L
BH-17B	11/1/89	6010	Magnesium	13,600		µg/L
BH-17B	11/1/89	6010	Manganese	575		µg/L
BH-17B	11/1/89	6010	Arsenic	3		µg/L
BH-17B	11/1/89	6010	Nickel	10	U	µg/L
BH-17B	11/1/89	6010	Potassium	3,600		µg/L
BH-17B	11/1/89	6010	Copper	2	U	µg/L
BH-18A	1/1/89	6010	Zinc	4		µg/L
BH-18A	1/1/89	6010	Lead			µg/L
BH-18A	1/1/89	6010	Potassium	7,100		µg/L
BH-18A	1/1/89	6010	Nickel			µg/L
BH-18A	1/1/89	6010	Magnesium	46,500		µg/L
BH-18A	1/1/89	6010	Copper	5	U	µg/L
BH-18A	1/1/89	6010	Chromium			µg/L
BH-18A	1/1/89	6010	Calcium	130,000		µg/L
BH-18A	1/1/89	6010	Arsenic	2		µg/L
BH-18A	1/1/89	6010	Manganese	4,290		µg/L
BH-18A	1/1/89	6010	Iron	2,000		µg/L
BH-18A	5/1/89	6010	Copper	2	U	µg/L
BH-18A	5/1/89	6010	Potassium	6,400		µg/L
BH-18A	5/1/89	6010	Nickel	30		µg/L
BH-18A	5/1/89	6010	Manganese	2,910		µg/L
BH-18A	5/1/89	6010	Magnesium	34,400		µg/L
BH-18A	5/1/89	6010	Zinc	5		µg/L
BH-18A	5/1/89	6010	Iron	7,340		µg/L
BH-18A	5/1/89	6010	Chromium	5	U	µg/L
BH-18A	5/1/89	6010	Arsenic	4		µg/L
BH-18A	5/1/89	6010	Calcium	94,000		µg/L
BH-18A	5/1/89	6010	Lead	1	U	µg/L
BH-18A	11/1/89	6010	Iron	21,000		µg/L
BH-18A	11/1/89	6010	Arsenic	6		µg/L
BH-18A	11/1/89	6010	Calcium	129,000		µg/L
BH-18A	11/1/89	6010	Copper	2	U	µg/L
BH-18A	11/1/89	6010	Lead	5	U	µg/L
BH-18A	11/1/89	6010	Magnesium	37,700		µg/L
BH-18A	11/1/89	6010	Manganese	2,900		µg/L
BH-18A	11/1/89	6010	Nickel	20		µg/L
BH-18A	11/1/89	6010	Potassium	7,300		µg/L
BH-18A	11/1/89	6010	Zinc	13		µg/L
BH-18A	11/1/89	6010	Chromium	5	U	µg/L
BH-18A	5/1/91	6010	Arsenic			µg/L
BH-18A	5/1/91	6010	Copper	3	U	µg/L
BH-18A	5/1/91	6010	Calcium	100,000		µg/L
BH-18A	5/1/91	6010	Chromium	6	U	µg/L
BH-18A	5/1/91	6010	Iron	13,000		µg/L
BH-18A	5/1/91	6010	Lead			µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BH-16A	5/1/91	6010	Magnesium	31,000		µg/L
BH-16A	5/1/91	6010	Manganese	2,200		µg/L
BH-16A	5/1/91	6010	Nickel	20		µg/L
BH-16A	5/1/91	6010	Potassium	6,200		µg/L
BH-16A	5/1/91	6010	Zinc	13		µg/L
BH-16A	1/17/96	6010	Potassium			µg/L
BH-16A	1/17/96	6010	Lead			µg/L
BH-16A	1/17/96	6010	Calcium			µg/L
BH-16A	1/17/96	6010	Chromium			µg/L
BH-16A	1/17/96	6010	Copper			µg/L
BH-16A	1/17/96	6010	Iron			µg/L
BH-16A	1/17/96	6010	Magnesium			µg/L
BH-16A	1/17/96	6010	Nickel			µg/L
BH-16A	1/17/96	6010	Zinc			µg/L
BH-16A	1/17/96	6010	Arsenic	9		µg/L
BH-16A	1/17/96	6010	Manganese			µg/L
BH-16B	1/1/89	6010	Manganese	174		µg/L
BH-16B	1/1/89	6010	Iron	5	U	µg/L
BH-16B	1/1/89	6010	Zinc	11		µg/L
BH-16B	1/1/89	6010	Potassium	2,000		µg/L
BH-16B	1/1/89	6010	Nickel			µg/L
BH-16B	1/1/89	6010	Copper	2	U	µg/L
BH-16B	1/1/89	6010	Chromium			µg/L
BH-16B	1/1/89	6010	Calcium	22,500		µg/L
BH-16B	1/1/89	6010	Arsenic	3		µg/L
BH-16B	1/1/89	6010	Magnesium	7,820		µg/L
BH-16B	1/1/89	6010	Lead			µg/L
BH-16B	6/1/89	6010	Manganese	342		µg/L
BH-16B	6/1/89	6010	Calcium	26,900		µg/L
BH-16B	6/1/89	6010	Chromium	5	U	µg/L
BH-16B	6/1/89	6010	Copper	2	U	µg/L
BH-16B	6/1/89	6010	Iron	178		µg/L
BH-16B	6/1/89	6010	Arsenic	1	U	µg/L
BH-16B	6/1/89	6010	Magnesium	10,300		µg/L
BH-16B	6/1/89	6010	Nickel	10		µg/L
BH-16B	6/1/89	6010	Zinc	4	U	µg/L
BH-16B	6/1/89	6010	Potassium	1,600		µg/L
BH-16B	6/1/89	6010	Lead	1	U	µg/L
BH-16B	11/1/89	6010	Lead	1	U	µg/L
BH-16B	11/1/89	6010	Arsenic	2		µg/L
BH-16B	11/1/89	6010	Chromium	5	U	µg/L
BH-16B	11/1/89	6010	Iron	20		µg/L
BH-16B	11/1/89	6010	Magnesium	10,500		µg/L
BH-16B	11/1/89	6010	Manganese	336		µg/L
BH-16B	11/1/89	6010	Nickel	20		µg/L
BH-16B	11/1/89	6010	Potassium	2,100		µg/L
BH-16B	11/1/89	6010	Zinc	4	U	µg/L
BH-16B	11/1/89	6010	Copper	2	U	µg/L
BH-16B	11/1/89	6010	Calcium	25,800		µg/L
BH-16B	1/17/96	6010	Lead			µg/L
BH-16B	1/17/96	6010	Arsenic	3		µg/L
BH-16B	1/17/96	6010	Calcium			µg/L
BH-16B	1/17/96	6010	Chromium			µg/L
BH-16B	1/17/96	6010	Iron			µg/L
BH-16B	1/17/96	6010	Magnesium			µg/L
BH-16B	1/17/96	6010	Manganese			µg/L
BH-16B	1/17/96	6010	Nickel			µg/L
BH-16B	1/17/96	6010	Potassium			µg/L
BH-16B	1/17/96	6010	Zinc			µg/L
BH-16B	1/17/96	6010	Copper			µg/L
BH-19	1/1/89	6010	Iron	81,000		µg/L
BH-19	1/1/89	6010	Manganese	4,510		µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BH-19	1/1/69	6010	Zinc	4	U	µg/L
BH-19	1/1/69	6010	Potassium	6,000		µg/L
BH-19	1/1/69	6010	Nickel			µg/L
BH-19	1/1/69	6010	Arsenic	19		µg/L
BH-19	1/1/69	6010	Copper	2	U	µg/L
BH-19	1/1/69	6010	Chromium			µg/L
BH-19	1/1/69	6010	Calcium	230,000		µg/L
BH-19	1/1/69	6010	Lead			µg/L
BH-19	1/1/69	6010	Magnesium	28,700		µg/L
BH-19	6/1/69	6010	Calcium	208,000		µg/L
BH-19	6/1/69	6010	Chromium	5	U	µg/L
BH-19	6/1/69	6010	Copper	2	U	µg/L
BH-19	6/1/69	6010	Iron	71,500		µg/L
BH-19	6/1/69	6010	Zinc	4	U	µg/L
BH-19	6/1/69	6010	Lead	1	U	µg/L
BH-19	6/1/69	6010	Manganese	4,120		µg/L
BH-19	6/1/69	6010	Nickel	10	U	µg/L
BH-19	6/1/69	6010	Potassium	6,800		µg/L
BH-19	6/1/69	6010	Arsenic	32		µg/L
BH-19	6/1/69	6010	Magnesium	26,900		µg/L
BH-19	11/1/69	6010	Magnesium	22,900		µg/L
BH-19	11/1/69	6010	Arsenic	15		µg/L
BH-19	11/1/69	6010	Potassium	5,100		µg/L
BH-19	11/1/69	6010	Zinc	5		µg/L
BH-19	11/1/69	6010	Nickel	10	U	µg/L
BH-19	11/1/69	6010	Manganese	3,320		µg/L
BH-19	11/1/69	6010	Lead	1	U	µg/L
BH-19	11/1/69	6010	Copper	2	U	µg/L
BH-19	11/1/69	6010	Chromium	5	U	µg/L
BH-19	11/1/69	6010	Calcium	164,000		µg/L
BH-19	11/1/69	6010	Iron	44,700		µg/L
BH-19	5/1/91	6010	Zinc	8		µg/L
BH-19	5/1/91	6010	Calcium	170,000		µg/L
BH-19	5/1/91	6010	Potassium	3,900		µg/L
BH-19	5/1/91	6010	Nickel	10	U	µg/L
BH-19	5/1/91	6010	Manganese	3,200		µg/L
BH-19	5/1/91	6010	Magnesium	23,000		µg/L
BH-19	5/1/91	6010	Lead			µg/L
BH-19	5/1/91	6010	Iron	85,000		µg/L
BH-19	5/1/91	6010	Copper	6		µg/L
BH-19	5/1/91	6010	Chromium	6	U	µg/L
BH-19	5/1/91	6010	Arsenic			µg/L
BH-19	1/16/96	6010	Copper			µg/L
BH-19	1/16/96	6010	Zinc			µg/L
BH-19	1/16/96	6010	Calcium			µg/L
BH-19	1/16/96	6010	Chromium			µg/L
BH-19	1/16/96	6010	Iron			µg/L
BH-19	1/16/96	6010	Lead			µg/L
BH-19	1/16/96	6010	Magnesium			µg/L
BH-19	1/16/96	6010	Manganese			µg/L
BH-19	1/16/96	6010	Nickel			µg/L
BH-19	1/16/96	6010	Potassium			µg/L
BH-19	1/16/96	6010	Arsenic	120		µg/L
BH-20A	1/1/69	6010	Calcium	61,200		µg/L
BH-20A	1/1/69	6010	Magnesium	26,300		µg/L
BH-20A	1/1/69	6010	Potassium	4,900		µg/L
BH-20A	1/1/69	6010	Nickel			µg/L
BH-20A	1/1/69	6010	Manganese	2,040		µg/L
BH-20A	1/1/69	6010	Lead			µg/L
BH-20A	1/1/69	6010	Iron	14,000		µg/L
BH-20A	1/1/69	6010	Chromium			µg/L
BH-20A	1/1/69	6010	Zinc	14		µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BH-20A	1/1/69	6010	Arsenic	5		µg/L
BH-20A	1/1/69	6010	Copper	2	U	µg/L
BH-20A	6/1/69	6010	Magnesium	21,600		µg/L
BH-20A	6/1/69	6010	Potassium	3,600		µg/L
BH-20A	6/1/69	6010	Zinc	7		µg/L
BH-20A	6/1/69	6010	Nickel	10	U	µg/L
BH-20A	6/1/69	6010	Manganese	1,440		µg/L
BH-20A	6/1/69	6010	Iron	16,600		µg/L
BH-20A	6/1/69	6010	Copper	2	U	µg/L
BH-20A	6/1/69	6010	Chromium	8	U	µg/L
BH-20A	6/1/69	6010	Arsenic	2		µg/L
BH-20A	6/1/69	6010	Lead	1	U	µg/L
BH-20A	6/1/69	6010	Calcium	43,700		µg/L
BH-20A	11/1/69	6010	Calcium	45,900		µg/L
BH-20A	11/1/69	6010	Potassium	4,200		µg/L
BH-20A	11/1/69	6010	Nickel	10		µg/L
BH-20A	11/1/69	6010	Manganese	1,540		µg/L
BH-20A	11/1/69	6010	Magnesium	21,600		µg/L
BH-20A	11/1/69	6010	Lead	1	U	µg/L
BH-20A	11/1/69	6010	Iron	23,400		µg/L
BH-20A	11/1/69	6010	Chromium	5	U	µg/L
BH-20A	11/1/69	6010	Arsenic	6		µg/L
BH-20A	11/1/69	6010	Zinc	7		µg/L
BH-20A	11/1/69	6010	Copper	2	U	µg/L
BH-20A	5/1/91	6010	Potassium	3,200		µg/L
BH-20A	5/1/91	6010	Arsenic			µg/L
BH-20A	5/1/91	6010	Calcium	44,000		µg/L
BH-20A	5/1/91	6010	Chromium	6	U	µg/L
BH-20A	5/1/91	6010	Copper	4		µg/L
BH-20A	5/1/91	6010	Iron	19,000		µg/L
BH-20A	5/1/91	6010	Lead			µg/L
BH-20A	5/1/91	6010	Magnesium	18,000		µg/L
BH-20A	5/1/91	6010	Nickel	10	U	µg/L
BH-20A	5/1/91	6010	Zinc	16		µg/L
BH-20A	5/1/91	6010	Manganese	1,400		µg/L
BH-20A	1/18/96	6010	Calcium			µg/L
BH-20A	1/18/96	6010	Zinc			µg/L
BH-20A	1/18/96	6010	Potassium			µg/L
BH-20A	1/18/96	6010	Manganese			µg/L
BH-20A	1/18/96	6010	Arsenic	2		µg/L
BH-20A	1/18/96	6010	Magnesium			µg/L
BH-20A	1/18/96	6010	Lead			µg/L
BH-20A	1/18/96	6010	Iron			µg/L
BH-20A	1/18/96	6010	Copper			µg/L
BH-20A	1/18/96	6010	Nickel			µg/L
BH-20A	1/18/96	6010	Chromium			µg/L
BH-20B	1/1/69	6010	Calcium	58,900		µg/L
BH-20B	1/1/69	6010	Chromium			µg/L
BH-20B	1/1/69	6010	Copper	2	U	µg/L
BH-20B	1/1/69	6010	Iron	122		µg/L
BH-20B	1/1/69	6010	Lead			µg/L
BH-20B	1/1/69	6010	Magnesium	15,500		µg/L
BH-20B	1/1/69	6010	Manganese	2,300		µg/L
BH-20B	1/1/69	6010	Nickel			µg/L
BH-20B	1/1/69	6010	Potassium	3,400		µg/L
BH-20B	1/1/69	6010	Zinc	6		µg/L
BH-20B	1/1/69	6010	Arsenic	35		µg/L
BH-20B	6/1/69	6010	Iron	1,010		µg/L
BH-20B	6/1/69	6010	Potassium	2,900		µg/L
BH-20B	6/1/69	6010	Nickel	10	U	µg/L
BH-20B	6/1/69	6010	Manganese	2,640		µg/L
BH-20B	6/1/69	6010	Lead	1	U	µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BH-20B	6/1/89	6010	Zinc	5		µg/L
BH-20B	6/1/89	6010	Copper	2	U	µg/L
BH-20B	6/1/89	6010	Chromium	5	U	µg/L
BH-20B	6/1/89	6010	Calcium	50,700		µg/L
BH-20B	6/1/89	6010	Arsenic	38		µg/L
BH-20B	6/1/89	6010	Magnesium	16,400		µg/L
BH-20B	11/1/89	6010	Zinc	21		µg/L
BH-20B	11/1/89	6010	Potassium	3,400		µg/L
BH-20B	11/1/89	6010	Nickel	30		µg/L
BH-20B	11/1/89	6010	Manganese	2,850		µg/L
BH-20B	11/1/89	6010	Magnesium	17,000		µg/L
BH-20B	11/1/89	6010	Lead	1	U	µg/L
BH-20B	11/1/89	6010	Iron	4,040		µg/L
BH-20B	11/1/89	6010	Copper	2	U	µg/L
BH-20B	11/1/89	6010	Chromium	8		µg/L
BH-20B	11/1/89	6010	Arsenic	34		µg/L
BH-20B	11/1/89	6010	Calcium	53,400		µg/L
BH-20B	1/17/96	6010	Zinc			µg/L
BH-20B	1/17/96	6010	Lead			µg/L
BH-20B	1/17/96	6010	Nickel			µg/L
BH-20B	1/17/96	6010	Magnesium			µg/L
BH-20B	1/17/96	6010	Arsenic	37		µg/L
BH-20B	1/17/96	6010	Iron			µg/L
BH-20B	1/17/96	6010	Copper			µg/L
BH-20B	1/17/96	6010	Calcium			µg/L
BH-20B	1/17/96	6010	Chromium			µg/L
BH-20B	1/17/96	6010	Manganese			µg/L
BH-20B	1/17/96	6010	Potassium			µg/L
BH-21A	11/1/89	6010	Potassium	5,800		µg/L
BH-21A	11/1/89	6010	Calcium	88,000		µg/L
BH-21A	11/1/89	6010	Chromium	5	U	µg/L
BH-21A	11/1/89	6010	Copper	2	U	µg/L
BH-21A	11/1/89	6010	Iron	43,000		µg/L
BH-21A	11/1/89	6010	Lead	1	U	µg/L
BH-21A	11/1/89	6010	Magnesium	30,200		µg/L
BH-21A	11/1/89	6010	Arsenic	8		µg/L
BH-21A	11/1/89	6010	Nickel	10	U	µg/L
BH-21A	11/1/89	6010	Zinc	4		µg/L
BH-21A	11/1/89	6010	Manganese	2,540		µg/L
BH-21A	1/19/96	6010	Nickel			µg/L
BH-21A	1/19/96	6010	Potassium			µg/L
BH-21A	1/19/96	6010	Manganese			µg/L
BH-21A	1/19/96	6010	Magnesium			µg/L
BH-21A	1/19/96	6010	Lead			µg/L
BH-21A	1/19/96	6010	Iron			µg/L
BH-21A	1/19/96	6010	Copper			µg/L
BH-21A	1/19/96	6010	Chromium			µg/L
BH-21A	1/19/96	6010	Calcium			µg/L
BH-21A	1/19/96	6010	Arsenic	6		µg/L
BH-21A	1/19/96	6010	Zinc			µg/L
BH-21B	1/1/89	6010	Manganese	1,310		µg/L
BH-21B	1/1/89	6010	Lead			µg/L
BH-21B	1/1/89	6010	Zinc	4		µg/L
BH-21B	1/1/89	6010	Nickel			µg/L
BH-21B	1/1/89	6010	Magnesium	15,700		µg/L
BH-21B	1/1/89	6010	Copper	4		µg/L
BH-21B	1/1/89	6010	Arsenic	15		µg/L
BH-21B	1/1/89	6010	Chromium			µg/L
BH-21B	1/1/89	6010	Potassium	4,400		µg/L
BH-21B	1/1/89	6010	Calcium	66,500		µg/L
BH-21B	1/1/89	6010	Iron	13		µg/L
BH-21B	6/1/89	6010	Zinc	10		µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BH-21B	5/1/89	6010	Calcium	67,500		µg/L
BH-21B	5/1/89	6010	Chromium	5	U	µg/L
BH-21B	5/1/89	6010	Copper	2	U	µg/L
BH-21B	5/1/89	6010	Iron	43		µg/L
BH-21B	5/1/89	6010	Lead	1	U	µg/L
BH-21B	5/1/89	6010	Magnesium	17,700		µg/L
BH-21B	5/1/89	6010	Arsenic	21		µg/L
BH-21B	5/1/89	6010	Nickel	10	U	µg/L
BH-21B	5/1/89	6010	Potassium	3,300		µg/L
BH-21B	5/1/89	6010	Manganese	1,540		µg/L
BH-21B	11/1/89	6010	Manganese	1,660		µg/L
BH-21B	11/1/89	6010	Zinc	21		µg/L
BH-21B	11/1/89	6010	Arsenic	21		µg/L
BH-21B	11/1/89	6010	Nickel	20		µg/L
BH-21B	11/1/89	6010	Magnesium	17,500		µg/L
BH-21B	11/1/89	6010	Lead	1	U	µg/L
BH-21B	11/1/89	6010	Iron	18		µg/L
BH-21B	11/1/89	6010	Copper	2	U	µg/L
BH-21B	11/1/89	6010	Chromium	5	U	µg/L
BH-21B	11/1/89	6010	Calcium	72,700		µg/L
BH-21B	11/1/89	6010	Potassium	3,800		µg/L
BH-21B	1/16/96	6010	Magnesium			µg/L
BH-21B	1/16/96	6010	Calcium			µg/L
BH-21B	1/16/96	6010	Potassium			µg/L
BH-21B	1/16/96	6010	Nickel			µg/L
BH-21B	1/16/96	6010	Zinc			µg/L
BH-21B	1/16/96	6010	Lead			µg/L
BH-21B	1/16/96	6010	Iron			µg/L
BH-21B	1/16/96	6010	Copper			µg/L
BH-21B	1/16/96	6010	Chromium			µg/L
BH-21B	1/16/96	6010	Arsenic	41		µg/L
BH-21B	1/16/96	6010	Manganese			µg/L
BH-22	1/1/89	6010	Calcium	42,900		µg/L
BH-22	1/1/89	6010	Magnesium	19,000		µg/L
BH-22	1/1/89	6010	Nickel			µg/L
BH-22	1/1/89	6010	Potassium	3,900		µg/L
BH-22	1/1/89	6010	Manganese	2,730		µg/L
BH-22	1/1/89	6010	Lead			µg/L
BH-22	1/1/89	6010	Iron	29,600		µg/L
BH-22	1/1/89	6010	Chromium			µg/L
BH-22	1/1/89	6010	Arsenic	3		µg/L
BH-22	1/1/89	6010	Zinc	9		µg/L
BH-22	1/1/89	6010	Copper	2	U	µg/L
BH-22	5/1/89	6010	Magnesium	20,100		µg/L
BH-22	5/1/89	6010	Potassium	3,300		µg/L
BH-22	5/1/89	6010	Zinc	10		µg/L
BH-22	5/1/89	6010	Nickel	10	U	µg/L
BH-22	5/1/89	6010	Manganese	3,100		µg/L
BH-22	5/1/89	6010	Iron	36,600		µg/L
BH-22	5/1/89	6010	Copper	2	U	µg/L
BH-22	5/1/89	6010	Chromium	5	U	µg/L
BH-22	5/1/89	6010	Arsenic	2		µg/L
BH-22	5/1/89	6010	Calcium	44,300		µg/L
BH-22	5/1/89	6010	Lead	1	U	µg/L
BH-22	5/1/91	6010	Iron	140		µg/L
BH-22	5/1/91	6010	Zinc	10	U	µg/L
BH-22	5/1/91	6010	Potassium	3,600		µg/L
BH-22	5/1/91	6010	Nickel	10	U	µg/L
BH-22	5/1/91	6010	Manganese	2,700		µg/L
BH-22	5/1/91	6010	Lead			µg/L
BH-22	5/1/91	6010	Copper	20	U	µg/L
BH-22	5/1/91	6010	Chromium	10	U	µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BH-22	5/1/91	6010	Calcium	43,000		µg/L
BH-22	5/1/91	6010	Arsenic			µg/L
BH-22	5/1/91	6010	Magnesium	18,000		µg/L
BH-23	1/1/89	6010	Iron	211		µg/L
BH-23	1/1/89	6010	Potassium	9,700		µg/L
BH-23	1/1/89	6010	Nickel			µg/L
BH-23	1/1/89	6010	Manganese	2,180		µg/L
BH-23	1/1/89	6010	Zinc	21		µg/L
BH-23	1/1/89	6010	Copper	3		µg/L
BH-23	1/1/89	6010	Chromium			µg/L
BH-23	1/1/89	6010	Calcium	163,000		µg/L
BH-23	1/1/89	6010	Arsenic	3		µg/L
BH-23	1/1/89	6010	Magnesium	22,600		µg/L
BH-23	1/1/89	6010	Lead			µg/L
BH-23	11/1/89	6010	Lead	1	U	µg/L
BH-23	11/1/89	6010	Zinc	4	U	µg/L
BH-23	11/1/89	6010	Arsenic	3		µg/L
BH-23	11/1/89	6010	Calcium	87,200		µg/L
BH-23	11/1/89	6010	Chromium	5	U	µg/L
BH-23	11/1/89	6010	Iron	17,800		µg/L
BH-23	11/1/89	6010	Magnesium	20,200		µg/L
BH-23	11/1/89	6010	Manganese	1,730		µg/L
BH-23	11/1/89	6010	Nickel	20		µg/L
BH-23	11/1/89	6010	Potassium	6,700		µg/L
BH-23	11/1/89	6010	Copper	2	U	µg/L
BH-23	5/1/91	6010	Arsenic			µg/L
BH-23	5/1/91	6010	Zinc	16		µg/L
BH-23	5/1/91	6010	Magnesium	15,000		µg/L
BH-23	5/1/91	6010	Potassium	10,000		µg/L
BH-23	5/1/91	6010	Nickel	10	U	µg/L
BH-23	5/1/91	6010	Manganese	1,500		µg/L
BH-23	5/1/91	6010	Iron	4,100		µg/L
BH-23	5/1/91	6010	Copper	3		µg/L
BH-23	5/1/91	6010	Chromium	5	U	µg/L
BH-23	5/1/91	6010	Calcium	120,000		µg/L
BH-23	5/1/91	6010	Lead			µg/L
BH-23	1/16/96	6010	Iron			µg/L
BH-23	1/16/96	6010	Zinc			µg/L
BH-23	1/16/96	6010	Arsenic	7		µg/L
BH-23	1/16/96	6010	Calcium			µg/L
BH-23	1/16/96	6010	Copper			µg/L
BH-23	1/16/96	6010	Lead			µg/L
BH-23	1/16/96	6010	Magnesium			µg/L
BH-23	1/16/96	6010	Manganese			µg/L
BH-23	1/16/96	6010	Nickel			µg/L
BH-23	1/16/96	6010	Potassium			µg/L
BH-23	1/16/96	6010	Chromium			µg/L
BH-24	1/17/96	6010	Calcium			µg/L
BH-24	1/17/96	6010	Magnesium			µg/L
BH-24	1/17/96	6010	Zinc			µg/L
BH-24	1/17/96	6010	Potassium			µg/L
BH-24	1/17/96	6010	Nickel			µg/L
BH-24	1/17/96	6010	Manganese			µg/L
BH-24	1/17/96	6010	Lead			µg/L
BH-24	1/17/96	6010	Iron			µg/L
BH-24	1/17/96	6010	Chromium			µg/L
BH-24	1/17/96	6010	Arsenic	4		µg/L
BH-24	1/17/96	6010	Copper			µg/L
BH-25A	6/1/91	6010	Arsenic			µg/L
BH-25A	6/1/91	6010	Iron	2,000		µg/L
BH-25A	6/1/91	6010	Zinc	10	U	µg/L
BH-25A	6/1/91	6010	Potassium	2,000		µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BH-25A	6/1/91	6010	Nickel	10	U	µg/L
BH-25A	6/1/91	6010	Manganese	2,500		µg/L
BH-25A	6/1/91	6010	Lead			µg/L
BH-25A	6/1/91	6010	Copper	20	U	µg/L
BH-25A	6/1/91	6010	Chromium	10	U	µg/L
BH-25A	6/1/91	6010	Calcium	53,000		µg/L
BH-25A	6/1/91	6010	Magnesium	16,000		µg/L
BH-25A	1/16/96	6010	Iron			µg/L
BH-25A	1/16/96	6010	Zinc			µg/L
BH-25A	1/16/96	6010	Calcium			µg/L
BH-25A	1/16/96	6010	Copper			µg/L
BH-25A	1/16/96	6010	Lead			µg/L
BH-25A	1/16/96	6010	Arsenic	10		µg/L
BH-25A	1/16/96	6010	Magnesium			µg/L
BH-25A	1/16/96	6010	Manganese			µg/L
BH-25A	1/16/96	6010	Nickel			µg/L
BH-25A	1/16/96	6010	Potassium			µg/L
BH-25A	1/16/96	6010	Chromium			µg/L
BH-25B	1/16/96	6010	Calcium			µg/L
BH-25B	1/16/96	6010	Magnesium			µg/L
BH-25B	1/16/96	6010	Zinc			µg/L
BH-25B	1/16/96	6010	Potassium			µg/L
BH-25B	1/16/96	6010	Nickel			µg/L
BH-25B	1/16/96	6010	Manganese			µg/L
BH-25B	1/16/96	6010	Lead			µg/L
BH-25B	1/16/96	6010	Iron			µg/L
BH-25B	1/16/96	6010	Chromium			µg/L
BH-25B	1/16/96	6010	Arsenic	6		µg/L
BH-25B	1/16/96	6010	Copper			µg/L
BH-26A	6/1/91	6010	Magnesium	9,600		µg/L
BH-26A	6/1/91	6010	Calcium	16,500		µg/L
BH-26A	6/1/91	6010	Potassium	550		µg/L
BH-26A	6/1/91	6010	Nickel	10	U	µg/L
BH-26A	6/1/91	6010	Zinc	20		µg/L
BH-26A	6/1/91	6010	Manganese	350		µg/L
BH-26A	6/1/91	6010	Iron	3,100		µg/L
BH-26A	6/1/91	6010	Chromium	10	U	µg/L
BH-26A	6/1/91	6010	Arsenic			µg/L
BH-26A	6/1/91	6010	Copper	20	U	µg/L
BH-26A	6/1/91	6010	Lead			µg/L
BH-27	6/1/91	6010	Iron	630		µg/L
BH-27	6/1/91	6010	Zinc	10	U	µg/L
BH-27	6/1/91	6010	Potassium	4,200		µg/L
BH-27	6/1/91	6010	Nickel	10	U	µg/L
BH-27	6/1/91	6010	Manganese	1,100		µg/L
BH-27	6/1/91	6010	Lead			µg/L
BH-27	6/1/91	6010	Copper	20	U	µg/L
BH-27	6/1/91	6010	Chromium	10	U	µg/L
BH-27	6/1/91	6010	Calcium	38,000		µg/L
BH-27	6/1/91	6010	Arsenic			µg/L
BH-27	6/1/91	6010	Magnesium	16,000		µg/L
BH-28	1/18/96	6010	Lead			µg/L
BH-28	1/18/96	6010	Manganese			µg/L
BH-28	1/18/96	6010	Nickel			µg/L
BH-28	1/18/96	6010	Zinc			µg/L
BH-28	1/18/96	6010	Magnesium			µg/L
BH-28	1/18/96	6010	Copper			µg/L
BH-28	1/18/96	6010	Chromium			µg/L
BH-28	1/18/96	6010	Calcium			µg/L
BH-28	1/18/96	6010	Arsenic	6		µg/L
BH-28	1/18/96	6010	Iron			µg/L
BH-28	1/18/96	6010	Potassium			µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BH-5	1/18/96	6010	Iron			µg/L
BH-5	1/18/96	6010	Zinc			µg/L
BH-5	1/18/96	6010	Potassium			µg/L
BH-5	1/18/96	6010	Nickel			µg/L
BH-5	1/18/96	6010	Manganese			µg/L
BH-5	1/18/96	6010	Lead			µg/L
BH-5	1/18/96	6010	Copper			µg/L
BH-5	1/18/96	6010	Chromium			µg/L
BH-5	1/18/96	6010	Calcium			µg/L
BH-5	1/18/96	6010	Arsenic	150		µg/L
BH-5	1/18/96	6010	Magnesium			µg/L
BH-5A	1/17/96	6010	Manganese			µg/L
BH-5A	1/17/96	6010	Iron			µg/L
BH-5A	1/17/96	6010	Zinc			µg/L
BH-5A	1/17/96	6010	Potassium			µg/L
BH-5A	1/17/96	6010	Nickel			µg/L
BH-5A	1/17/96	6010	Arsenic	13		µg/L
BH-5A	1/17/96	6010	Copper			µg/L
BH-5A	1/17/96	6010	Chromium			µg/L
BH-5A	1/17/96	6010	Calcium			µg/L
BH-5A	1/17/96	6010	Magnesium			µg/L
BH-5A	1/17/96	6010	Lead			µg/L
WP-1	1/19/96	6010	Iron			µg/L
WP-1	1/19/96	6010	Zinc			µg/L
WP-1	1/19/96	6010	Potassium	3,700		µg/L
WP-1	1/19/96	6010	Nickel			µg/L
WP-1	1/19/96	6010	Manganese			µg/L
WP-1	1/19/96	6010	Lead			µg/L
WP-1	1/19/96	6010	Copper			µg/L
WP-1	1/19/96	6010	Chromium			µg/L
WP-1	1/19/96	6010	Calcium	32,300		µg/L
WP-1	1/19/96	6010	Arsenic	1	U	µg/L
WP-1	1/19/96	6010	Magnesium	12,400		µg/L
WP-2	1/22/96	6010	Manganese			µg/L
WP-2	1/22/96	6010	Lead			µg/L
WP-2	1/22/96	6010	Nickel			µg/L
WP-2	1/22/96	6010	Zinc			µg/L
WP-2	1/22/96	6010	Magnesium	22,000		µg/L
WP-2	1/22/96	6010	Copper			µg/L
WP-2	1/22/96	6010	Chromium			µg/L
WP-2	1/22/96	6010	Calcium	44,100		µg/L
WP-2	1/22/96	6010	Arsenic	1		µg/L
WP-2	1/22/96	6010	Iron			µg/L
WP-2	1/22/96	6010	Potassium	2,500		µg/L
WP-3	1/22/96	6010	Iron			µg/L
WP-3	1/22/96	6010	Zinc			µg/L
WP-3	1/22/96	6010	Potassium	4,800		µg/L
WP-3	1/22/96	6010	Nickel			µg/L
WP-3	1/22/96	6010	Manganese			µg/L
WP-3	1/22/96	6010	Lead			µg/L
WP-3	1/22/96	6010	Copper			µg/L
WP-3	1/22/96	6010	Chromium			µg/L
WP-3	1/22/96	6010	Calcium	42,600		µg/L
WP-3	1/22/96	6010	Arsenic	1	U	µg/L
WP-3	1/22/96	6010	Magnesium	23,500		µg/L
WP-4	1/19/96	6010	Lead			µg/L
WP-4	1/19/96	6010	Manganese			µg/L
WP-4	1/19/96	6010	Nickel			µg/L
WP-4	1/19/96	6010	Zinc			µg/L
WP-4	1/19/96	6010	Magnesium	28,300		µg/L
WP-4	1/19/96	6010	Copper			µg/L
WP-4	1/19/96	6010	Chromium			µg/L

Station	Date	Method	Analyte	Concentration	Conc. Units
WP-4	1/19/96	6010	Calcium	44,500	µg/L
WP-4	1/19/96	6010	Arsenic	7	µg/L
WP-4	1/19/96	6010	Potassium	6,800	µg/L
WP-4	1/19/96	6010	Iron		µg/L
WP-5	1/22/96	6010	Manganese		µg/L
WP-5	1/22/96	6010	Zinc		µg/L
WP-5	1/22/96	6010	Nickel		µg/L
WP-5	1/22/96	6010	Magnesium	33,000	µg/L
WP-5	1/22/96	6010	Lead		µg/L
WP-5	1/22/96	6010	Copper		µg/L
WP-5	1/22/96	6010	Chromium		µg/L
WP-5	1/22/96	6010	Calcium	58,800	µg/L
WP-5	1/22/96	6010	Arsenic	6	µg/L
WP-5	1/22/96	6010	Iron		µg/L
WP-5	1/22/96	6010	Potassium	2,900	µg/L
WP-6	1/22/96	6010	Calcium	27,100	µg/L
WP-6	1/22/96	6010	Potassium	1,700	µg/L
WP-6	1/22/96	6010	Nickel		µg/L
WP-6	1/22/96	6010	Manganese		µg/L
WP-6	1/22/96	6010	Magnesium	15,500	µg/L
WP-6	1/22/96	6010	Lead		µg/L
WP-6	1/22/96	6010	Iron		µg/L
WP-6	1/22/96	6010	Chromium		µg/L
WP-6	1/22/96	6010	Arsenic	6	µg/L
WP-6	1/22/96	6010	Zinc		µg/L
WP-6	1/22/96	6010	Copper		µg/L

10. TABLE GROUNDWATER BTEX. SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER

Station	Date	Method	Analyte	Concentration		Conc. Units
BAX-9	1/12/89	EPA8240	Ethylbenzene	1	U	µg/L
BAX-9	1/12/89	EPA8240	Toluene	1	B	µg/L
BAX-9	1/12/89	EPA8240	Xylene(Total)	2.5		µg/L
BAX-9	1/12/89	EPA8240	Benzene	0.4	U	µg/L
BAX-9	6/1/89	EPA8240	Benzene	1	U	µg/L
BAX-9	6/1/89	EPA8240	Xylene(Total)	1.8	J	µg/L
BAX-9	6/1/89	EPA8240	Ethylbenzene	0.7	J	µg/L
BAX-9	6/1/89	EPA8240	Toluene	1	U	µg/L
BAX-9	11/19/89	EPA8240	Benzene	1	U	µg/L
BAX-9	11/19/89	EPA8240	Xylene(Total)	2.1	U	µg/L
BAX-9	11/19/89	EPA8240	Ethylbenzene	1	U	µg/L
BAX-9	11/19/89	EPA8240	Toluene	1	U	µg/L
BAX-9	3/14/90	EPA8240	Ethylbenzene	1	U	µg/L
BAX-9	3/14/90	EPA8240	Benzene	1	U	µg/L
BAX-9	3/14/90	EPA8240	Xylene(Total)	1.2	J	µg/L
BAX-9	3/14/90	EPA8240	Toluene	1	U	µg/L
BAX-9	1/17/96	EPA8240	Xylene(Total)	1	U	
BAX-9	1/17/96	EPA8240	Ethylbenzene	1	U	
BAX-9	1/17/96	EPA8240	Toluene	1	U	
BAX-9	1/17/96	EPA8240	Benzene	1	U	
BH-12	1/1/89	EPA8240	Ethylbenzene	1	U	µg/L
BH-12	1/1/89	EPA8240	Toluene	170		µg/L
BH-12	1/1/89	EPA8240	Xylene(Total)	0.5	M	µg/L
BH-12	1/1/89	EPA8240	Benzene	0.4	U	µg/L
BH-12A	11/1/89	EPA8240	Benzene	1	U	µg/L
BH-12A	11/1/89	EPA8240	Ethylbenzene	1	U	µg/L
BH-12A	11/1/89	EPA8240	Toluene	40		µg/L
BH-12A	11/1/89	EPA8240	Xylene(Total)	1	U	µg/L
BH-12A	3/1/90	EPA8240	Toluene	1	U	µg/L
BH-12A	3/1/90	EPA8240	Benzene	1	U	µg/L
BH-12A	3/1/90	EPA8240	Ethylbenzene	1	U	µg/L
BH-12A	3/1/90	EPA8240	Xylene(Total)	2	U	µg/L
BH-17A	1/1/89	EPA8240	Benzene	0.4	U	µg/L
BH-17A	1/1/89	EPA8240	Ethylbenzene	1	U	µg/L
BH-17A	1/1/89	EPA8240	Toluene	0.7	UB	µg/L
BH-17A	1/1/89	EPA8240	Xylene(Total)	1.5	U	µg/L
BH-17A	6/1/89	EPA8240	Toluene	1	U	µg/L
BH-17A	6/1/89	EPA8240	Xylene(Total)	2	U	µg/L
BH-17A	6/1/89	EPA8240	Ethylbenzene	0.9	J	µg/L
BH-17A	6/1/89	EPA8240	Benzene	1	U	µg/L
BH-17A	11/1/89	EPA8240	Benzene	1	U	µg/L
BH-17A	11/1/89	EPA8240	Ethylbenzene	1	U	µg/L
BH-17A	11/1/89	EPA8240	Toluene	1	U	µg/L
BH-17A	11/1/89	EPA8240	Xylene(Total)	1	U	µg/L
BH-17A	3/1/90	EPA8240	Toluene	1	U	µg/L
BH-17A	3/1/90	EPA8240	Ethylbenzene	1	U	µg/L
BH-17A	3/1/90	EPA8240	Benzene	1	U	µg/L
BH-17A	3/1/90	EPA8240	Xylene(Total)	1	U	µg/L
BH-17B	1/1/89	EPA8240	Ethylbenzene	1	U	µg/L
BH-17B	1/1/89	EPA8240	Toluene	0.3	UB	µg/L
BH-17B	1/1/89	EPA8240	Benzene	0.4	U	µg/L
BH-17B	1/1/89	EPA8240	Xylene(Total)	1.5	U	µg/L
BH-17B	6/1/89	EPA8240	Xylene(Total)	2	U	µg/L
BH-17B	6/1/89	EPA8240	Benzene	1	U	µg/L
BH-17B	6/1/89	EPA8240	Ethylbenzene	1	U	µg/L
BH-17B	6/1/89	EPA8240	Toluene	1	U	µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BH-17B	11/1/89	EPA8240	Toluene	1	U	µg/L
BH-17B	11/1/89	EPA8240	Xylene(Total)	1	U	µg/L
BH-17B	11/1/89	EPA8240	Ethylbenzene	1	U	µg/L
BH-17B	11/1/89	EPA8240	Benzene	1	U	µg/L
BH-17B	3/1/90	EPA8240	Toluene	1	U	µg/L
BH-17B	3/1/90	EPA8240	Benzene	1	U	µg/L
BH-17B	3/1/90	EPA8240	Ethylbenzene	1	U	µg/L
BH-17B	3/1/90	EPA8240	Xylene(Total)	1	U	µg/L
BH-18A	1/1/89	EPA8240	Benzene	1000		µg/L
BH-18A	1/1/89	EPA8240	Ethylbenzene	360		µg/L
BH-18A	1/1/89	EPA8240	Toluene	61		µg/L
BH-18A	1/1/89	EPA8240	Xylene(Total)	820		µg/L
BH-18A	6/1/89	EPA8240	Benzene	2400		µg/L
BH-18A	6/1/89	EPA8240	Xylene(Total)	1100		µg/L
BH-18A	6/1/89	EPA8240	Ethylbenzene	680		µg/L
BH-18A	6/1/89	EPA8240	Toluene	170		µg/L
BH-18A	11/1/89	EPA8240	Toluene	36		µg/L
BH-18A	11/1/89	EPA8240	Xylene(Total)	410		µg/L
BH-18A	11/1/89	EPA8240	Ethylbenzene	310		µg/L
BH-18A	11/1/89	EPA8240	Benzene	1700		µg/L
BH-18A	3/1/90	EPA8240	Benzene	1700		µg/L
BH-18A	3/1/90	EPA8240	Ethylbenzene	440		µg/L
BH-18A	3/1/90	EPA8240	Xylene(Total)	890		µg/L
BH-18A	3/1/90	EPA8240	Toluene	130		µg/L
BH-18B	1/1/89	EPA8240	Ethylbenzene	1.2		µg/L
BH-18B	1/1/89	EPA8240	Toluene	1.6		µg/L
BH-18B	1/1/89	EPA8240	Xylene(Total)	3.9		µg/L
BH-18B	1/1/89	EPA8240	Benzene	0.4	U	µg/L
BH-18B	6/1/89	EPA8240	Benzene	1	U	µg/L
BH-18B	6/1/89	EPA8240	Xylene(Total)	2	U	µg/L
BH-18B	6/1/89	EPA8240	Ethylbenzene	1	U	µg/L
BH-18B	6/1/89	EPA8240	Toluene	1	U	µg/L
BH-18B	11/1/89	EPA8240	Benzene	1	U	µg/L
BH-18B	11/1/89	EPA8240	Ethylbenzene	1	U	µg/L
BH-18B	11/1/89	EPA8240	Toluene	1	U	µg/L
BH-18B	11/1/89	EPA8240	Xylene(Total)	1	U	µg/L
BH-18B	3/1/90	EPA8240	Benzene	1	U	µg/L
BH-18B	3/1/90	EPA8240	Ethylbenzene	1	U	µg/L
BH-18B	3/1/90	EPA8240	Toluene	0.5	M	µg/L
BH-18B	3/1/90	EPA8240	Xylene(Total)	2	U	µg/L
BH-18B	1/17/96	EPA8240	Toluene	1	U	µg/L
BH-18B	1/17/96	EPA8240	Ethylbenzene	1	U	µg/L
BH-18B	1/17/96	EPA8240	Benzene	1	U	µg/L
BH-18B	1/17/96	EPA8240	Xylene(Total)	1	U	µg/L
BH-19	1/1/89	EPA8240	Benzene	190		µg/L
BH-19	1/1/89	EPA8240	Xylene(Total)	120		µg/L
BH-19	1/1/89	EPA8240	Ethylbenzene	170		µg/L
BH-19	1/1/89	EPA8240	Toluene	7.4		µg/L
BH-19	6/1/89	EPA8240	Xylene(Total)	330		µg/L
BH-19	6/1/89	EPA8240	Benzene	320		µg/L
BH-19	6/1/89	EPA8240	Ethylbenzene	200		µg/L
BH-19	6/1/89	EPA8240	Toluene	14		µg/L
BH-19	11/1/89	EPA8240	Toluene	5.2		µg/L
BH-19	11/1/89	EPA8240	Ethylbenzene	270		µg/L
BH-19	11/1/89	EPA8240	Benzene	270		µg/L
BH-19	11/1/89	EPA8240	Xylene(Total)	150		µg/L
BH-19	3/1/90	EPA8240	Benzene	210		µg/L
BH-19	3/1/90	EPA8240	Ethylbenzene	200		µg/L
BH-19	3/1/90	EPA8240	Toluene	3.7		µg/L
BH-19	3/1/90	EPA8240	Xylene(Total)	130		µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BH-19	1/18/96	EPA8240	Toluene	1.6		
BH-19	1/18/96	EPA8240	Ethylbenzene	140		
BH-19	1/18/96	EPA8240	Benzene	150		
BH-19	1/18/96	EPA8240	Xylene(Total)	30.6		
BH-20A	1/1/89	EPA8240	Benzene	2000		µg/L
BH-20A	1/1/89	EPA8240	Ethylbenzene	40	U	µg/L
BH-20A	1/1/89	EPA8240	Toluene	460		µg/L
BH-20A	1/1/89	EPA8240	Xylene(Total)	320		µg/L
BH-20A	6/1/89	EPA8240	Xylene(Total)	6100		µg/L
BH-20A	6/1/89	EPA8240	Toluene	1300		µg/L
BH-20A	6/1/89	EPA8240	Ethylbenzene	3800		µg/L
BH-20A	6/1/89	EPA8240	Benzene	14000		µg/L
BH-20A	11/1/89	EPA8240	Xylene(Total)	3600		µg/L
BH-20A	11/1/89	EPA8240	Toluene	940		µg/L
BH-20A	11/1/89	EPA8240	Ethylbenzene	2100		µg/L
BH-20A	11/1/89	EPA8240	Benzene	12000		µg/L
BH-20A	3/1/90	EPA8240	Benzene	4900		µg/L
BH-20A	3/1/90	EPA8240	Xylene(Total)	2100		µg/L
BH-20A	3/1/90	EPA8240	Toluene	370		µg/L
BH-20A	3/1/90	EPA8240	Ethylbenzene	150		µg/L
BH-20A	1/18/96	EPA8240	Toluene	1.4		µg/L
BH-20A	1/18/96	EPA8240	Ethylbenzene	20		µg/L
BH-20A	1/18/96	EPA8240	Xylene(Total)	22		µg/L
BH-20A	1/18/96	EPA8240	Benzene	32		µg/L
BH-20B	1/1/89	EPA8240	Toluene	20		µg/L
BH-20B	1/1/89	EPA8240	Benzene	890		µg/L
BH-20B	1/1/89	EPA8240	Ethylbenzene	150		µg/L
BH-20B	1/1/89	EPA8240	Xylene(Total)	300		µg/L
BH-20B	6/1/89	EPA8240	Xylene(Total)	1600		µg/L
BH-20B	6/1/89	EPA8240	Toluene	47		µg/L
BH-20B	6/1/89	EPA8240	Ethylbenzene	980		µg/L
BH-20B	6/1/89	EPA8240	Benzene	3500		µg/L
BH-20B	11/1/89	EPA8240	Ethylbenzene	40		µg/L
BH-20B	11/1/89	EPA8240	Benzene	360		µg/L
BH-20B	11/1/89	EPA8240	Xylene(Total)	54		µg/L
BH-20B	11/1/89	EPA8240	Toluene	8.2		µg/L
BH-20B	3/1/90	EPA8240	Xylene(Total)	55		µg/L
BH-20B	3/1/90	EPA8240	Toluene	7		µg/L
BH-20B	3/1/90	EPA8240	Benzene	520		µg/L
BH-20B	3/1/90	EPA8240	Ethylbenzene	40		µg/L
BH-20B	1/17/96	EPA8240	Ethylbenzene	1000		
BH-20B	1/17/96	EPA8240	Toluene	78		
BH-20B	1/17/96	EPA8240	Benzene	3200		
BH-20B	1/17/96	EPA8240	Xylene(Total)	1330		
BH-21A	3/1/90	EPA8240	Benzene	12		µg/L
BH-21A	3/1/90	EPA8240	Xylene(Total)	1000		µg/L
BH-21A	3/1/90	EPA8240	Toluene	70		µg/L
BH-21A	3/1/90	EPA8240	Ethylbenzene	520		µg/L
BH-21A	1/19/96	EPA8240	Ethylbenzene	92		µg/L
BH-21A	1/19/96	EPA8240	Benzene	50	U	µg/L
BH-21A	1/19/96	EPA8240	Xylene(Total)	155		µg/L
BH-21A	1/19/96	EPA8240	Toluene	50	U	µg/L
BH-21B	1/1/89	EPA8240	Benzene	57		µg/L
BH-21B	1/1/89	EPA8240	Ethylbenzene	16		µg/L
BH-21B	1/1/89	EPA8240	Toluene	2		µg/L
BH-21B	1/1/89	EPA8240	Xylene(Total)	14		µg/L
BH-21B	6/1/89	EPA8240	Benzene	94		µg/L
BH-21B	6/1/89	EPA8240	Xylene(Total)	30		µg/L
BH-21B	6/1/89	EPA8240	Ethylbenzene	46		µg/L
BH-21B	6/1/89	EPA8240	Toluene	2.7		µg/L

Station	Date	Method	Analyte	Concentration		Conc Units
BH-21B	3/1/90	EPA8240	Benzene	58		µg/L
BH-21B	3/1/90	EPA8240	Ethylbenzene	22		µg/L
BH-21B	3/1/90	EPA8240	Toluene	1.7		µg/L
BH-21B	3/1/90	EPA8240	Xylene(Total)	15		µg/L
BH-21B	1/16/96	EPA8240	Toluene	2.2		
BH-21B	1/16/96	EPA8240	Ethylbenzene	30		
BH-21B	1/16/96	EPA8240	Benzene	42		
BH-21B	1/16/96	EPA8240	Xylene(Total)	25.1		
BH-22	1/1/89	EPA8240	Ethylbenzene	1	U	µg/L
BH-22	1/1/89	EPA8240	Toluene	0.8	B	µg/L
BH-22	1/1/89	EPA8240	Benzene	0.4	U	µg/L
BH-22	1/1/89	EPA8240	Xylene(Total)	1.5	U	µg/L
BH-22	6/1/89	EPA8240	Benzene	1	U	µg/L
BH-22	6/1/89	EPA8240	Ethylbenzene	1	U	µg/L
BH-22	6/1/89	EPA8240	Toluene	1	U	µg/L
BH-22	6/1/89	EPA8240	Xylene(Total)	2	U	µg/L
BH-23	1/1/89	EPA8240	Benzene	810		µg/L
BH-23	1/1/89	EPA8240	Ethylbenzene	2800		µg/L
BH-23	1/1/89	EPA8240	Toluene	3400	B	µg/L
BH-23	1/1/89	EPA8240	Xylene(Total)	7600		µg/L
BH-23	1/16/96	EPA8240	Benzene	3		
BH-23	1/16/96	EPA8240	Xylene(Total)	27.9		
BH-23	1/16/96	EPA8240	Ethylbenzene	18		
BH-23	1/16/96	EPA8240	Toluene	1.5		
BH-24	6/1/91	EPA8240	Benzene	35		µg/L
BH-24	6/1/91	EPA8240	Ethylbenzene	1	U	µg/L
BH-24	6/1/91	EPA8240	Toluene	1	U	µg/L
BH-24	6/1/91	EPA8240	Xylene(Total)	1	U	µg/L
BH-24	1/17/96	EPA8240	Benzene	4		µg/L
BH-24	1/17/96	EPA8240	Ethylbenzene	1	U	µg/L
BH-24	1/17/96	EPA8240	Toluene	1	U	µg/L
BH-24	1/17/96	EPA8240	Xylene(Total)	1	U	µg/L
BH-25A	6/1/91	EPA8240	Xylene(Total)	23		µg/L
BH-25A	6/1/91	EPA8240	Toluene	21		µg/L
BH-25A	6/1/91	EPA8240	Ethylbenzene	13		µg/L
BH-25A	6/1/91	EPA8240	Benzene	17		µg/L
BH-25A	1/16/96	EPA8240	Benzene	920		
BH-25A	1/16/96	EPA8240	Xylene(Total)	1090		
BH-25A	1/16/96	EPA8240	Ethylbenzene	750		
BH-25A	1/16/96	EPA8240	Toluene	970		
BH-25B	6/1/91	EPA8240	Benzene	1	U	µg/L
BH-25B	6/1/91	EPA8240	Xylene(Total)	1	U	µg/L
BH-25B	6/1/91	EPA8240	Toluene	1	U	µg/L
BH-25B	6/1/91	EPA8240	Ethylbenzene	1	U	µg/L
BH-25B	1/16/96	EPA8240	Xylene(Total)	1	U	µg/L
BH-25B	1/16/96	EPA8240	Toluene	1	U	µg/L
BH-25B	1/16/96	EPA8240	Benzene	1	U	µg/L
BH-25B	1/16/96	EPA8240	Ethylbenzene	1	U	µg/L
BH-26A	6/1/91	EPA8240	Benzene	1	U	µg/L
BH-26A	6/1/91	EPA8240	Ethylbenzene	1	U	µg/L
BH-26A	6/1/91	EPA8240	Toluene	1	U	µg/L
BH-26A	6/1/91	EPA8240	Xylene(Total)	1	U	µg/L
BH-26B	6/1/91	EPA8240	Benzene	1	U	µg/L
BH-26B	6/1/91	EPA8240	Ethylbenzene	1	U	µg/L
BH-26B	6/1/91	EPA8240	Toluene	1	U	µg/L
BH-26B	6/1/91	EPA8240	Xylene(Total)	1	U	µg/L
BH-27	6/1/91	EPA8240	Benzene	1	U	µg/L
BH-27	6/1/91	EPA8240	Xylene(Total)	1	U	µg/L
BH-27	6/1/91	EPA8240	Toluene	1	U	µg/L
BH-27	6/1/91	EPA8240	Ethylbenzene	1	U	µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BH-28	1/18/96	EPA8240	Benzene	1	U	µg/L
BH-28	1/18/96	EPA8240	Ethylbenzene	1	U	µg/L
BH-28	1/18/96	EPA8240	Toluene	1	U	µg/L
BH-28	1/18/96	EPA8240	Xylene(Total)	1	U	µg/L
BH-5	1/18/96	EPA8240	Ethylbenzene	1100		
BH-5	1/18/96	EPA8240	Toluene	1200		
BH-5	1/18/96	EPA8240	Benzene	3300		
BH-5	1/18/96	EPA8240	Xylene(Total)	1460		
BH-5A	1/17/96	EPA8240	Benzene	1.4		µg/L
BH-5A	1/17/96	EPA8240	Ethylbenzene	1	U	µg/L
BH-5A	1/17/96	EPA8240	Toluene	2.9		µg/L
BH-5A	1/17/96	EPA8240	Xylene(Total)	1	U	µg/L
WP-1	1/19/96	EPA8240	Toluene	1	U	µg/L
WP-1	1/19/96	EPA8240	Xylene(Total)	1	U	µg/L
WP-1	1/19/96	EPA8240	Benzene	1	U	µg/L
WP-1	1/19/96	EPA8240	Ethylbenzene	1	U	µg/L
WP-2	1/22/96	EPA8240	Benzene	1	U	µg/L
WP-2	1/22/96	EPA8240	Ethylbenzene	1.8		µg/L
WP-2	1/22/96	EPA8240	Toluene	1	U	µg/L
WP-2	1/22/96	EPA8240	Xylene(Total)	4.9		µg/L
WP-4	1/19/96	EPA8240	Toluene	1	U	µg/L
WP-4	1/19/96	EPA8240	Xylene(Total)	5.1		µg/L
WP-4	1/19/96	EPA8240	Ethylbenzene	1	U	µg/L
WP-4	1/19/96	EPA8240	Benzene	140		µg/L
WP-5	1/22/96	EPA8240	Ethylbenzene	86		µg/L
WP-5	1/22/96	EPA8240	Toluene	1.1		µg/L
WP-5	1/22/96	EPA8240	Xylene(Total)	13.2		µg/L
WP-5	1/22/96	EPA8240	Benzene	7.6		µg/L
WP-6	1/22/96	EPA8240	Xylene(Total)	1	U	µg/L
WP-6	1/22/96	EPA8240	Benzene	1	U	µg/L
WP-6	1/22/96	EPA8240	Ethylbenzene	1	U	µg/L
WP-6	1/22/96	EPA8240	Toluene	1	U	µg/L

10B. TABLE GROUNDWATER PCP. SUMMARY OF PENTACHLOROPHENOL CONCENTRATIONS IN GROUNDWATER

Station	Date	Method	Analyte	Concentration		Conc. Units
BAX-9	1/11/89	EPA8270	Pentachlorophenol	5	U	µg/L
BAX-9	6/1/89	EPA8270	Pentachlorophenol	5	U	µg/L
BAX-9	11/19/89	EPA8270	Pentachlorophenol	5	U	µg/L
BAX-9	3/12/90	EPA8270	Pentachlorophenol	5	U	µg/L
BAX-9	1/17/96	EPA8270	Pentachlorophenol	5	U	µg/L
BH-12	1/1/89	EPA8270	Pentachlorophenol	5	U	µg/L
BH-12A	11/1/89	EPA8270	Pentachlorophenol	5	U	µg/L
BH-12A	3/1/90	EPA8270	Pentachlorophenol	5	U	µg/L
BH-17A	1/1/89	EPA8270	Pentachlorophenol	5	U	µg/L
BH-17A	6/1/89	EPA8270	Pentachlorophenol	5	U	µg/L
BH-17A	3/1/90	EPA8270	Pentachlorophenol	5	U	µg/L
BH-17A	11/1/90	EPA8270	Pentachlorophenol	5	U	µg/L
BH-17B	1/1/89	EPA8270	Pentachlorophenol	5	U	µg/L
BH-17B	1/1/89	EPA8270	Pentachlorophenol	5	U	µg/L
BH-17B	6/1/89	EPA8270	Pentachlorophenol	5	U	µg/L
BH-17B	11/1/89	EPA8270	Pentachlorophenol	5	U	µg/L
BH-18A	1/1/89	EPA8270	Pentachlorophenol	5	U	µg/L
BH-18A	6/1/89	EPA8270	Pentachlorophenol	50	U	µg/L
BH-18A	11/1/89	EPA8270	Pentachlorophenol	5	U	µg/L
BH-18A	3/1/90	EPA8270	Pentachlorophenol	5	U	µg/L
BH-18A	1/17/96	EPA8270	Pentachlorophenol	5	U	µg/L
BH-18B	1/1/89	EPA8270	Pentachlorophenol	5	U	µg/L
BH-18B	6/1/89	EPA8270	Pentachlorophenol	5	U	µg/L
BH-18B	11/1/89	EPA8270	Pentachlorophenol	5	U	µg/L
BH-18B	3/1/90	EPA8270	Pentachlorophenol	5	U	µg/L
BH-18B	1/17/96	EPA8270	Pentachlorophenol	5	U	µg/L
BH-19	1/1/89	EPA8270	Pentachlorophenol	10	U	µg/L
BH-19	6/1/89	EPA8270	Pentachlorophenol	5	U	µg/L
BH-19	11/1/89	EPA8270	Pentachlorophenol	5	U	µg/L
BH-19	3/1/90	EPA8270	Pentachlorophenol	5	U	µg/L
BH-19	1/15/96	EPA8270	Pentachlorophenol	5	U	µg/L
BH-20A	1/1/89	EPA8270	Pentachlorophenol	50	U	µg/L
BH-20A	6/1/89	EPA8270	Pentachlorophenol	5	U	µg/L
BH-20A	11/1/89	EPA8270	Pentachlorophenol	5	U	µg/L
BH-20A	3/1/90	EPA8270	Pentachlorophenol	5	U	µg/L
BH-20A	1/15/96	EPA8270	Pentachlorophenol	5	U	µg/L
BH-20B	1/1/89	EPA8270	Pentachlorophenol	5	U	µg/L
BH-20B	6/1/89	EPA8270	Pentachlorophenol	5	U	µg/L
BH-20B	11/1/89	EPA8270	Pentachlorophenol	5	U	µg/L
BH-20B	3/1/90	EPA8270	Pentachlorophenol	5	U	µg/L
BH-20B	1/17/96	EPA8270	Pentachlorophenol	5	U	µg/L
BH-21A	11/1/89	EPA8270	Pentachlorophenol	5	U	µg/L
BH-21A	3/1/90	EPA8270	Pentachlorophenol	25	U	µg/L
BH-21A	5/1/91	EPA8270	Pentachlorophenol			µg/L
BH-21A	1/19/96	EPA8270	Pentachlorophenol	5	U	µg/L
BH-21B	1/1/89	EPA8270	Pentachlorophenol	5	U	µg/L
BH-21B	6/1/89	EPA8270	Pentachlorophenol	5	U	µg/L
BH-21B	11/1/89	EPA8270	Pentachlorophenol	5	U	µg/L
BH-21B	3/1/90	EPA8270	Pentachlorophenol	5	U	µg/L
BH-21B	1/19/96	EPA8270	Pentachlorophenol	5	U	µg/L
BH-22	1/1/89	EPA8270	Pentachlorophenol	5	U	µg/L
BH-22	6/1/89	EPA8270	Pentachlorophenol	17	U	µg/L
BH-23	1/1/89	EPA8270	Pentachlorophenol	530	U	µg/L
BH-23	1/15/96	EPA8270	Pentachlorophenol	5	U	µg/L
BH-24	5/1/91	EPA8270	Pentachlorophenol	50	U	µg/L

Station	Date	Method	Analyte	Concentration		Conc. Units
BH-24	1/17/96	EPA8270	Pentachlorophenol	5	U	µg/L
BH-25A	6/1/91	EPA8270	Pentachlorophenol	100	U	µg/L
BH-25A	1/16/96	EPA8270	Pentachlorophenol	100	U	µg/L
BH-25B	6/1/91	EPA8270	Pentachlorophenol	50	U	µg/L
BH-25B	1/16/96	EPA8270	Pentachlorophenol	5	U	µg/L
BH-26A	6/1/91	EPA8270	Pentachlorophenol	50	U	µg/L
BH-26B	6/1/91	EPA8270	Pentachlorophenol	50	U	µg/L
BH-27	6/1/91	EPA8270	Pentachlorophenol	50	U	µg/L
BH-28	1/16/96	EPA8270	Pentachlorophenol	5	U	µg/L
BH-5	1/16/96	EPA8270	Pentachlorophenol	50	U	µg/L
BH-5A	1/17/96	EPA8270	Pentachlorophenol	5	U	µg/L
WP-1	1/19/96	EPA8270	Pentachlorophenol	5	U	µg/L
WP-2	1/19/96	EPA8270	Pentachlorophenol	5	U	µg/L
WP-3	1/22/96	EPA8270	Pentachlorophenol	5	U	µg/L
WP-4	1/19/96	EPA8270	Pentachlorophenol	5	U	µg/L
WP-5	1/22/96	EPA8270	Pentachlorophenol	5	U	µg/L
WP-6	1/22/96	EPA8270	Pentachlorophenol	5	U	µg/L

Appendix C

Analytical Results for Sediment

NOTES:

B - detected in associated method blank

J - estimated quantity

M - estimated concentration with low spectral match parameters

U - not detected at detection limit shown

Total PAHs in sediment—Total PAHs in sediments were calculated by adding all concentrations above the detection limit and including half the value of concentrations reported at the detection limit (U) in the summation.

Total carcinogenic PAHs in sediment—Total carcinogenic PAHs in sediments were calculated by adding all concentrations above the detection limit and including half the value of concentrations reported at the detection limit (U) in the summation.

Carcinogenic PAHs include benz[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, chrysene, dibenz[a,h]anthracene, and indeno[1,2,3-cd]pyrene.

Source: RETEC (1998)

11. TABLE CN SEDIMENT PAH. SUMMARY OF INDIVIDUAL PAH CONCENTRATIONS IN SEDIMENTS

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
EPA-1	7/21/83	EPA8270	0	30	cm	Benzo(b)fluoranthene	3,550,000		µg/kg
EPA-1	7/21/83	EPA8270	0	30	cm	Chrysene	2,200,000		µg/kg
EPA-1	7/21/83	EPA8270	0	30	cm	Dibenz(a,h)anthracene	125,000	U	µg/kg
EPA-1	7/21/83	EPA8270	0	30	cm	Benzo(k)fluoranthene	3,550,000		µg/kg
EPA-1	7/21/83	EPA8270	0	30	cm	Fluoranthene	1,400,000		µg/kg
EPA-1	7/21/83	EPA8270	0	30	cm	Benzo(g,h,i)perylene	125,000	U	µg/kg
EPA-1	7/21/83	EPA8270	0	30	cm	Benzo(g,h,i)perylene	5,000	U	µg/kg
EPA-1	7/21/83	EPA8270	0	30	cm	Fluorene	330,000		µg/kg
EPA-1	7/21/83	EPA8270	0	30	cm	Phenanthrene	2,700,000		µg/kg
EPA-1	7/21/83	EPA8270	0	30	cm	Indeno(1,2,3-cd)pyrene	100,000	U	µg/kg
EPA-1	7/21/83	EPA8270	0	30	cm	Anthracene	13,000	U	µg/kg
EPA-1	7/21/83	EPA8270	0	30	cm	Naphthalene	13,000,000		µg/kg
EPA-1	7/21/83	EPA8270	0	30	cm	Acenaphthylene	13,000	U	µg/kg
EPA-1	7/21/83	EPA8270	0	30	cm	Acenaphthene	623,000		µg/kg
EPA-1	7/21/83	EPA8270	0	30	cm	Pyrene	1,100,000		µg/kg
EPA-1	7/21/83	EPA8270	75	105	cm	Naphthalene	2,900		µg/kg
EPA-1	7/21/83	EPA8270	75	105	cm	Dibenz(a,h)anthracene	5,000	U	µg/kg
EPA-1	7/21/83	EPA8270	75	105	cm	Fluorene	10,000		µg/kg
EPA-1	7/21/83	EPA8270	75	105	cm	Phenanthrene	65,000		µg/kg
EPA-1	7/21/83	EPA8270	75	105	cm	Pyrene	52,000		µg/kg
EPA-1	7/21/83	EPA8270	75	105	cm	Fluoranthene	67,000		µg/kg
EPA-1	7/21/83	EPA8270	75	105	cm	Indeno(1,2,3-cd)pyrene	4,000	U	µg/kg
EPA-1	7/21/83	EPA8270	75	105	cm	Chrysene	70,000		µg/kg
EPA-1	7/21/83	EPA8270	75	105	cm	Acenaphthene	13,200		µg/kg
EPA-1	7/21/83	EPA8270	75	105	cm	Benzo(k)fluoranthene	6,000		µg/kg
EPA-1	7/21/83	EPA8270	75	105	cm	Acenaphthylene	500	U	µg/kg
EPA-1	7/21/83	EPA8270	75	105	cm	Benzo(b)fluoranthene	6,000		µg/kg
EPA-1	7/21/83	EPA8270	75	105	cm	Anthracene	500	U	µg/kg
EPA-1	7/21/83	EPA8270	120	150	cm	Naphthalene	6,400		µg/kg
EPA-1	7/21/83	EPA8270	120	150	cm	Dibenz(a,h)anthracene	125	U	µg/kg
EPA-1	7/21/83	EPA8270	120	150	cm	Acenaphthylene	13	U	µg/kg
EPA-1	7/21/83	EPA8270	120	150	cm	Pyrene	2,700		µg/kg
EPA-1	7/21/83	EPA8270	120	150	cm	Phenanthrene	8,500		µg/kg
EPA-1	7/21/83	EPA8270	120	150	cm	Anthracene	13	U	µg/kg
EPA-1	7/21/83	EPA8270	120	150	cm	Benzo(b)fluoranthene	500		µg/kg
EPA-1	7/21/83	EPA8270	120	150	cm	Indeno(1,2,3-cd)pyrene	100	U	µg/kg
EPA-1	7/21/83	EPA8270	120	150	cm	Benzo(g,h,i)perylene	125	U	µg/kg
EPA-1	7/21/83	EPA8270	120	150	cm	Benzo(k)fluoranthene	500		µg/kg
EPA-1	7/21/83	EPA8270	120	150	cm	Fluorene	1,100		µg/kg
EPA-1	7/21/83	EPA8270	120	150	cm	Chrysene	1,800		µg/kg
EPA-1	7/21/83	EPA8270	120	150	cm	Fluoranthene	4,400		µg/kg
EPA-1	7/21/83	EPA8270	120	150	cm	Acenaphthene	590		µg/kg
EPA-10	7/21/83	EPA8270	0	30	cm	Benzo(k)fluoranthene	295		µg/kg
EPA-10	7/21/83	EPA8270	0	30	cm	Pyrene	8	U	µg/kg
EPA-10	7/21/83	EPA8270	0	30	cm	Phenanthrene	30		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
EPA-10	7/21/83	EPA8270	0	30	cm	Naphthalene	57		
EPA-10	7/21/83	EPA8270	0	30	cm	Indeno(1,2,3-cd)pyrene	100	U	µg/kg
EPA-10	7/21/83	EPA8270	0	30	cm	Fluorene	8	U	µg/kg
EPA-10	7/21/83	EPA8270	0	30	cm	Fluoranthene	51		µg/kg
EPA-10	7/21/83	EPA8270	0	30	cm	Benzo(g,h,i)perylene	270		µg/kg
EPA-10	7/21/83	EPA8270	0	30	cm	Benzo(b)fluoranthene	285		µg/kg
EPA-10	7/21/83	EPA8270	0	30	cm	Anthracene	5	U	µg/kg
EPA-10	7/21/83	EPA8270	0	30	cm	Acenaphthylene	5	U	
EPA-10	7/21/83	EPA8270	0	30	cm	Acenaphthene	8	U	µg/kg
EPA-10	7/21/83	EPA8270	0	30	cm	Chrysene	220		µg/kg
EPA-10	7/21/83	EPA8270	0	30	cm	Dibenz(a,h)anthracene	60	U	µg/kg
EPA-11	7/21/83	EPA8270	0	30	cm	Pyrene	10		µg/kg
EPA-11	7/21/83	EPA8270	0	30	cm	Fluoranthene	8	U	µg/kg
EPA-11	7/21/83	EPA8270	0	30	cm	Indeno(1,2,3-cd)pyrene	100	U	µg/kg
EPA-11	7/21/83	EPA8270	0	30	cm	Dibenz(a,h)anthracene	60	U	µg/kg
EPA-11	7/21/83	EPA8270	0	30	cm	Chrysene	50	U	µg/kg
EPA-11	7/21/83	EPA8270	0	30	cm	Naphthalene	18		µg/kg
EPA-11	7/21/83	EPA8270	0	30	cm	Phenanthrene	6	U	µg/kg
EPA-11	7/21/83	EPA8270	0	30	cm	Benzo(g,h,i)perylene	60	U	µg/kg
EPA-11	7/21/83	EPA8270	0	30	cm	Benzo(b)fluoranthene	29		µg/kg
EPA-11	7/21/83	EPA8270	0	30	cm	Anthracene	6	U	µg/kg
EPA-11	7/21/83	EPA8270	0	30	cm	Acenaphthylene	6	U	µg/kg
EPA-11	7/21/83	EPA8270	0	30	cm	Benzo(k)fluoranthene	29		µg/kg
EPA-11	7/21/83	EPA8270	0	30	cm	Acenaphthene	8	U	µg/kg
EPA-11	7/21/83	EPA8270	0	30	cm	Fluorene	8	U	µg/kg
EPA-11	7/21/83	EPA8270	30	60	cm	Pyrene	38		µg/kg
EPA-11	7/21/83	EPA8270	30	60	cm	Naphthalene	6	U	µg/kg
EPA-11	7/21/83	EPA8270	30	60	cm	Indeno(1,2,3-cd)pyrene	100	U	µg/kg
EPA-11	7/21/83	EPA8270	30	60	cm	Fluorene	8	U	µg/kg
EPA-11	7/21/83	EPA8270	30	60	cm	Phenanthrene	20		µg/kg
EPA-11	7/21/83	EPA8270	30	60	cm	Anthracene	6	U	µg/kg
EPA-11	7/21/83	EPA8270	30	60	cm	Benzo(k)fluoranthene	100		µg/kg
EPA-11	7/21/83	EPA8270	30	60	cm	Acenaphthylene	6	U	µg/kg
EPA-11	7/21/83	EPA8270	30	60	cm	Benzo(b)fluoranthene	100		µg/kg
EPA-11	7/21/83	EPA8270	30	60	cm	Benzo(g,h,i)perylene	60	U	µg/kg
EPA-11	7/21/83	EPA8270	30	60	cm	Acenaphthene	8	U	µg/kg
EPA-11	7/21/83	EPA8270	30	60	cm	Chrysene	150		µg/kg
EPA-11	7/21/83	EPA8270	30	60	cm	Dibenz(a,h)anthracene	60	U	µg/kg
EPA-11	7/21/83	EPA8270	30	60	cm	Fluoranthene	38		µg/kg
EPA-12	7/21/83	EPA8270	0	30	cm	Fluorene	15	U	µg/kg
EPA-12	7/21/83	EPA8270	0	30	cm	Phenanthrene	32		µg/kg
EPA-12	7/21/83	EPA8270	0	30	cm	Benzo(g,h,i)perylene	125	U	µg/kg
EPA-12	7/21/83	EPA8270	0	30	cm	Dibenz(a,h)anthracene	125	U	µg/kg
EPA-12	7/21/83	EPA8270	0	30	cm	Chrysene	110		µg/kg
EPA-12	7/21/83	EPA8270	0	30	cm	Benzo(k)fluoranthene	145		µg/kg
EPA-12	7/21/83	EPA8270	0	30	cm	Naphthalene	13	U	µg/kg
EPA-12	7/21/83	EPA8270	0	30	cm	Benzo(b)fluoranthene	145		µg/kg
EPA-12	7/21/83	EPA8270	0	30	cm	Fluoranthene	100		µg/kg
EPA-12	7/21/83	EPA8270	0	30	cm	Anthracene	13	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
EPA-12	7/21/83	EPA8270	0	30	cm	Indeno[1,2,3-cd]pyrene	100	U	µg/kg
EPA-12	7/21/83	EPA8270	0	30	cm	Acenaphthylene	13	U	µg/kg
EPA-12	7/21/83	EPA8270	0	30	cm	Acenaphthene	15	U	µg/kg
EPA-12	7/21/83	EPA8270	0	30	cm	Pyrene	84		µg/kg
EPA-12	7/21/83	EPA8270	80	110	cm	Naphthalene	13	U	µg/kg
EPA-12	7/21/83	EPA8270	80	110	cm	Fluorene	15	U	µg/kg
EPA-12	7/21/83	EPA8270	80	110	cm	Pyrene	20		µg/kg
EPA-12	7/21/83	EPA8270	80	110	cm	Phenanthrene	13	U	µg/kg
EPA-12	7/21/83	EPA8270	80	110	cm	Acenaphthylene	13	U	µg/kg
EPA-12	7/21/83	EPA8270	80	110	cm	Indeno[1,2,3-cd]pyrene	100	U	µg/kg
EPA-12	7/21/83	EPA8270	80	110	cm	Acenaphthene	15	U	µg/kg
EPA-12	7/21/83	EPA8270	80	110	cm	Fluoranthene	18	U	µg/kg
EPA-12	7/21/83	EPA8270	80	110	cm	Anthracene	13	U	µg/kg
EPA-12	7/21/83	EPA8270	80	110	cm	Benzo(b)fluoranthene	50	U	µg/kg
EPA-12	7/21/83	EPA8270	80	110	cm	Benzo(g,h,i)perylene	125	U	µg/kg
EPA-12	7/21/83	EPA8270	80	110	cm	Benzo(k)fluoranthene	50	U	µg/kg
EPA-12	7/21/83	EPA8270	80	110	cm	Chrysene	100	U	µg/kg
EPA-12	7/21/83	EPA8270	80	110	cm	Dibenz(a,h)anthracene	125	U	µg/kg
EPA-13	7/21/83	EPA8270	0	30	cm	Indeno[1,2,3-cd]pyrene	100	U	µg/kg
EPA-13	7/21/83	EPA8270	0	30	cm	Benzo(g,h,i)perylene	125	U	µg/kg
EPA-13	7/21/83	EPA8270	0	30	cm	Benzo(b)fluoranthene	75		µg/kg
EPA-13	7/21/83	EPA8270	0	30	cm	Benzo(k)fluoranthene	75		µg/kg
EPA-13	7/21/83	EPA8270	0	30	cm	Naphthalene	19		µg/kg
EPA-13	7/21/83	EPA8270	0	30	cm	Phenanthrene	13		µg/kg
EPA-13	7/21/83	EPA8270	0	30	cm	Fluoranthene	24		µg/kg
EPA-13	7/21/83	EPA8270	0	30	cm	Fluorene	15	U	µg/kg
EPA-13	7/21/83	EPA8270	0	30	cm	Pyrene	28		µg/kg
EPA-13	7/21/83	EPA8270	0	30	cm	Anthracene	13	U	µg/kg
EPA-13	7/21/83	EPA8270	0	30	cm	Dibenz(a,h)anthracene	125	U	µg/kg
EPA-13	7/21/83	EPA8270	0	30	cm	Acenaphthene	15	U	µg/kg
EPA-13	7/21/83	EPA8270	0	30	cm	Chrysene	100	U	µg/kg
EPA-13	7/21/83	EPA8270	0	30	cm	Acenaphthylene	13	U	µg/kg
EPA-13	7/21/83	EPA8270	40	70	cm	Dibenz(a,h)anthracene	125	U	µg/kg
EPA-13	7/21/83	EPA8270	40	70	cm	Fluoranthene	18	U	µg/kg
EPA-13	7/21/83	EPA8270	40	70	cm	Fluorene	15	U	µg/kg
EPA-13	7/21/83	EPA8270	40	70	cm	Indeno(1,2,3-cd)pyrene	100	U	µg/kg
EPA-13	7/21/83	EPA8270	40	70	cm	Naphthalene	13	U	µg/kg
EPA-13	7/21/83	EPA8270	40	70	cm	Pyrene	20	U	µg/kg
EPA-13	7/21/83	EPA8270	40	70	cm	Phenanthrene	13	U	µg/kg
EPA-13	7/21/83	EPA8270	40	70	cm	Anthracene	13	U	µg/kg
EPA-13	7/21/83	EPA8270	40	70	cm	Chrysene	100	U	µg/kg
EPA-13	7/21/83	EPA8270	40	70	cm	Acenaphthene	15	U	µg/kg
EPA-13	7/21/83	EPA8270	40	70	cm	Benzo(k)fluoranthene	50	U	µg/kg
EPA-13	7/21/83	EPA8270	40	70	cm	Acenaphthylene	13	U	µg/kg
EPA-13	7/21/83	EPA8270	40	70	cm	Benzo(g,h,i)perylene	125	U	µg/kg
EPA-13	7/21/83	EPA8270	40	70	cm	Benzo(b)fluoranthene	50	U	µg/kg
EPA-13	7/21/83	EPA8270	80	110	cm	Chrysene	100	U	µg/kg
EPA-13	7/21/83	EPA8270	80	110	cm	Acenaphthene	15	U	µg/kg
EPA-13	7/21/83	EPA8270	80	110	cm	Pyrene	20	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
EPA-13	7/21/83	EPA8270	90	110	cm	Phenanthrene	13	U	µg/kg
EPA-13	7/21/83	EPA8270	90	110	cm	Acenaphthylene	13	U	µg/kg
EPA-13	7/21/83	EPA8270	90	110	cm	Naphthalene	13	U	µg/kg
EPA-13	7/21/83	EPA8270	90	110	cm	Indeno(1,2,3-cd)pyrene	100	U	µg/kg
EPA-13	7/21/83	EPA8270	90	110	cm	Benzo(b)fluoranthene	50	U	µg/kg
EPA-13	7/21/83	EPA8270	90	110	cm	Fluorene	15	U	µg/kg
EPA-13	7/21/83	EPA8270	90	110	cm	Benzo(g,h,i)perylene	125	U	µg/kg
EPA-13	7/21/83	EPA8270	90	110	cm	Benzo(k)fluoranthene	50	U	µg/kg
EPA-13	7/21/83	EPA8270	90	110	cm	Fluoranthene	18	U	µg/kg
EPA-13	7/21/83	EPA8270	90	110	cm	Dibenz(a,h)anthracene	125	U	µg/kg
EPA-13	7/21/83	EPA8270	90	110	cm	Anthracene	13	U	µg/kg
EPA-2	7/21/83	EPA8270	0	30	cm	Benzo(g,h,i)perylene	125	U	µg/kg
EPA-2	7/21/83	EPA8270	0	30	cm	Fluoranthene	230		µg/kg
EPA-2	7/21/83	EPA8270	0	30	cm	Pyrene	210		µg/kg
EPA-2	7/21/83	EPA8270	0	30	cm	Phenanthrene	110		µg/kg
EPA-2	7/21/83	EPA8270	0	30	cm	Naphthalene	15		µg/kg
EPA-2	7/21/83	EPA8270	0	30	cm	Indeno(1,2,3-cd)pyrene	100	U	µg/kg
EPA-2	7/21/83	EPA8270	0	30	cm	Fluorene	17		µg/kg
EPA-2	7/21/83	EPA8270	0	30	cm	Benzo(k)fluoranthene	200		µg/kg
EPA-2	7/21/83	EPA8270	0	30	cm	Benzo(b)fluoranthene	200		µg/kg
EPA-2	7/21/83	EPA8270	0	30	cm	Anthracene	13	U	µg/kg
EPA-2	7/21/83	EPA8270	0	30	cm	Acenaphthylene	13	U	µg/kg
EPA-2	7/21/83	EPA8270	0	30	cm	Acenaphthene	15	U	µg/kg
EPA-2	7/21/83	EPA8270	0	30	cm	Dibenz(a,h)anthracene	125	U	µg/kg
EPA-2	7/21/83	EPA8270	0	30	cm	Chrysene	680		µg/kg
EPA-3	7/21/83	EPA8270	0	30	cm	Phenanthrene	110		µg/kg
EPA-3	7/21/83	EPA8270	0	30	cm	Fluorene	20		µg/kg
EPA-3	7/21/83	EPA8270	0	30	cm	Dibenz(a,h)anthracene	125	U	µg/kg
EPA-3	7/21/83	EPA8270	0	30	cm	Chrysene	680		µg/kg
EPA-3	7/21/83	EPA8270	0	30	cm	Indeno(1,2,3-cd)pyrene	100	U	µg/kg
EPA-3	7/21/83	EPA8270	0	30	cm	Benzo(k)fluoranthene	245		µg/kg
EPA-3	7/21/83	EPA8270	0	30	cm	Benzo(g,h,i)perylene	125	U	µg/kg
EPA-3	7/21/83	EPA8270	0	30	cm	Naphthalene	23		µg/kg
EPA-3	7/21/83	EPA8270	0	30	cm	Benzo(b)fluoranthene	245		µg/kg
EPA-3	7/21/83	EPA8270	0	30	cm	Anthracene	13	U	µg/kg
EPA-3	7/21/83	EPA8270	0	30	cm	Acenaphthylene	13	U	µg/kg
EPA-3	7/21/83	EPA8270	0	30	cm	Pyrene	210		µg/kg
EPA-3	7/21/83	EPA8270	0	30	cm	Acenaphthene	15		µg/kg
EPA-3	7/21/83	EPA8270	0	30	cm	Fluoranthene	230		µg/kg
EPA-3	7/21/83	EPA8270	90	120	cm	Naphthalene	5	U	µg/kg
EPA-3	7/21/83	EPA8270	90	120	cm	Pyrene	37		µg/kg
EPA-3	7/21/83	EPA8270	90	120	cm	Indeno(1,2,3-cd)pyrene	50	U	µg/kg
EPA-3	7/21/83	EPA8270	90	120	cm	Phenanthrene	28		µg/kg
EPA-3	7/21/83	EPA8270	90	120	cm	Acenaphthene	13		µg/kg
EPA-3	7/21/83	EPA8270	90	120	cm	Fluoranthene	53		µg/kg
EPA-3	7/21/83	EPA8270	90	120	cm	Dibenz(a,h)anthracene	50	U	µg/kg
EPA-3	7/21/83	EPA8270	90	120	cm	Chrysene	50	U	µg/kg
EPA-3	7/21/83	EPA8270	90	120	cm	Benzo(k)fluoranthene	55		µg/kg
EPA-3	7/21/83	EPA8270	90	120	cm	Benzo(g,h,i)perylene	50	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
EPA-3	7/21/83	EPA8270	90	120	cm	Benzo(b)fluoranthene	55		µg/kg
EPA-3	7/21/83	EPA8270	90	120	cm	Anthracene	6	U	µg/kg
EPA-3	7/21/83	EPA8270	90	120	cm	Fluorene	9		µg/kg
EPA-3	7/21/83	EPA8270	90	120	cm	Acenaphthylene	6	U	µg/kg
EPA-8	7/21/83	EPA8270	0	45	cm	Chrysene	210,000		µg/kg
EPA-8	7/21/83	EPA8270	0	45	cm	Dibenz(a,h)anthracene	42,000		µg/kg
EPA-8	7/21/83	EPA8270	0	45	cm	Fluoranthene	160,000		µg/kg
EPA-8	7/21/83	EPA8270	0	45	cm	Fluorene	64,000		µg/kg
EPA-8	7/21/83	EPA8270	0	45	cm	Indeno(1,2,3-cd)pyrene	110,000		µg/kg
EPA-8	7/21/83	EPA8270	0	45	cm	Acenaphthene	128,000		µg/kg
EPA-8	7/21/83	EPA8270	0	45	cm	Naphthalene	500,000		µg/kg
EPA-8	7/21/83	EPA8270	0	45	cm	Pyrene	64,000		µg/kg
EPA-8	7/21/83	EPA8270	0	45	cm	Benzo(k)fluoranthene	200,000		µg/kg
EPA-8	7/21/83	EPA8270	0	45	cm	Phenanthrene	180,000		µg/kg
EPA-8	7/21/83	EPA8270	0	45	cm	Acenaphthylene	4,500		µg/kg
EPA-8	7/21/83	EPA8270	0	45	cm	Benzo(g,h,i)perylene	150,000		µg/kg
EPA-8	7/21/83	EPA8270	0	45	cm	Benzo(b)fluoranthene	200,000		µg/kg
EPA-8	7/21/83	EPA8270	0	45	cm	Anthracene	13,000		µg/kg
EPA-8	7/21/83	EPA8270	60	90	cm	Benzo(k)fluoranthene	550		µg/kg
EPA-8	7/21/83	EPA8270	60	90	cm	Acenaphthylene	6	U	µg/kg
EPA-8	7/21/83	EPA8270	60	90	cm	Acenaphthene	440		µg/kg
EPA-8	7/21/83	EPA8270	60	90	cm	Pyrene	340		µg/kg
EPA-8	7/21/83	EPA8270	60	90	cm	Phenanthrene	450		µg/kg
EPA-8	7/21/83	EPA8270	60	90	cm	Anthracene	6	U	µg/kg
EPA-8	7/21/83	EPA8270	60	90	cm	Indeno(1,2,3-cd)pyrene	200		µg/kg
EPA-8	7/21/83	EPA8270	60	90	cm	Fluorene	240		µg/kg
EPA-8	7/21/83	EPA8270	60	90	cm	Benzo(b)fluoranthene	550		µg/kg
EPA-8	7/21/83	EPA8270	60	90	cm	Fluoranthene	270		µg/kg
EPA-8	7/21/83	EPA8270	60	90	cm	Dibenz(a,h)anthracene	60	U	µg/kg
EPA-8	7/21/83	EPA8270	60	90	cm	Benzo(g,h,i)perylene	310		µg/kg
EPA-8	7/21/83	EPA8270	60	90	cm	Chrysene	390		µg/kg
EPA-8	7/21/83	EPA8270	60	90	cm	Naphthalene	3,900		µg/kg
EPA-9	7/21/83	EPA8270	0	30	cm	Fluorene	680		µg/kg
EPA-9	7/21/83	EPA8270	0	30	cm	Dibenz(a,h)anthracene	1,200		µg/kg
EPA-9	7/21/83	EPA8270	0	30	cm	Pyrene	770		µg/kg
EPA-9	7/21/83	EPA8270	0	30	cm	Phenanthrene	440		µg/kg
EPA-9	7/21/83	EPA8270	0	30	cm	Indeno(1,2,3-cd)pyrene	370		µg/kg
EPA-9	7/21/83	EPA8270	0	30	cm	Fluoranthene	680		µg/kg
EPA-9	7/21/83	EPA8270	0	30	cm	Benzo(k)fluoranthene	1,000		µg/kg
EPA-9	7/21/83	EPA8270	0	30	cm	Benzo(g,h,i)perylene	5,100		µg/kg
EPA-9	7/21/83	EPA8270	0	30	cm	Benzo(b)fluoranthene	1,000		µg/kg
EPA-9	7/21/83	EPA8270	0	30	cm	Anthracene	13	U	µg/kg
EPA-9	7/21/83	EPA8270	0	30	cm	Acenaphthylene	56		µg/kg
EPA-9	7/21/83	EPA8270	0	30	cm	Acenaphthene	94		µg/kg
EPA-9	7/21/83	EPA8270	0	30	cm	Naphthalene	1,000		µg/kg
EPA-9	7/21/83	EPA8270	0	30	cm	Chrysene	3,600		µg/kg
JB-1	2/7/97	EPA8270	0	10	cm	Pyrene	290		µg/kg
JB-1	2/7/97	EPA8270	0	10	cm	Dibenz(a,h)anthracene	170	U	µg/kg
JB-1	2/7/97	EPA8270	0	10	cm	Fluoranthene	440	M	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
JB-1	2/7/97	EPA8270	0	10	cm	Fluorene	170	U	µg/kg
JB-1	2/7/97	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	420		µg/kg
JB-1	2/7/97	EPA8270	0	10	cm	Phenanthrene	220		µg/kg
JB-1	2/7/97	EPA8270	0	10	cm	Benzo(g,h,i)perylene	380		µg/kg
JB-1	2/7/97	EPA8270	0	10	cm	Naphthalene	170	U	µg/kg
JB-1	2/7/97	EPA8270	0	10	cm	2-Methylnaphthalene	170	U	µg/kg
JB-1	2/7/97	EPA8270	0	10	cm	Benzo(b)fluoranthene	670		µg/kg
JB-1	2/7/97	EPA8270	0	10	cm	Benzo(a)pyrene	520		µg/kg
JB-1	2/7/97	EPA8270	0	10	cm	Benzo(a)anthracene	210		µg/kg
JB-1	2/7/97	EPA8270	0	10	cm	Anthracene	170	U	µg/kg
JB-1	2/7/97	EPA8270	0	10	cm	Acenaphthylene	170	U	µg/kg
JB-1	2/7/97	EPA8270	0	10	cm	Acenaphthene	170	U	µg/kg
JB-1	2/7/97	EPA8270	0	10	cm	Benzo(k)fluoranthene	460		µg/kg
JB-1	2/7/97	EPA8270	0	10	cm	Chrysene	430	M	µg/kg
JB-2	2/7/97	EPA8270	0	10	cm	Chrysene	760		µg/kg
JB-2	2/7/97	EPA8270	0	10	cm	Dibenz(a,h)anthracene	170		µg/kg
JB-2	2/7/97	EPA8270	0	10	cm	Fluoranthene	320	M	µg/kg
JB-2	2/7/97	EPA8270	0	10	cm	Fluorene	25		µg/kg
JB-2	2/7/97	EPA8270	0	10	cm	Naphthalene	25		µg/kg
JB-2	2/7/97	EPA8270	0	10	cm	Pyrene	300		µg/kg
JB-2	2/7/97	EPA8270	0	10	cm	Benzo(k)fluoranthene	470		µg/kg
JB-2	2/7/97	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	470		µg/kg
JB-2	2/7/97	EPA8270	0	10	cm	Benzo(g,h,i)perylene	400		µg/kg
JB-2	2/7/97	EPA8270	0	10	cm	Acenaphthene	20	U	µg/kg
JB-2	2/7/97	EPA8270	0	10	cm	Acenaphthylene	20		µg/kg
JB-2	2/7/97	EPA8270	0	10	cm	2-Methylnaphthalene	20	U	µg/kg
JB-2	2/7/97	EPA8270	0	10	cm	Anthracene	93		µg/kg
JB-2	2/7/97	EPA8270	0	10	cm	Benzo(a)anthracene	350		µg/kg
JB-2	2/7/97	EPA8270	0	10	cm	Benzo(a)pyrene	730		µg/kg
JB-2	2/7/97	EPA8270	0	10	cm	Benzo(b)fluoranthene	570		µg/kg
JB-2	2/7/97	EPA8270	0	10	cm	Phenanthrene	180		µg/kg
JB-3	2/7/97	EPA8270	0	10	cm	Benzo(g,h,i)perylene	1,200		µg/kg
JB-3	2/7/97	EPA8270	0	10	cm	Dibenz(a,h)anthracene	440		µg/kg
JB-3	2/7/97	EPA8270	0	10	cm	Pyrene	950		µg/kg
JB-3	2/7/97	EPA8270	0	10	cm	Phenanthrene	650		µg/kg
JB-3	2/7/97	EPA8270	0	10	cm	Naphthalene	68		µg/kg
JB-3	2/7/97	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	1,100		µg/kg
JB-3	2/7/97	EPA8270	0	10	cm	Fluorene	88		µg/kg
JB-3	2/7/97	EPA8270	0	10	cm	Fluoranthene	1,500		µg/kg
JB-3	2/7/97	EPA8270	0	10	cm	Acenaphthylene	60		µg/kg
JB-3	2/7/97	EPA8270	0	10	cm	Chrysene	2,200		µg/kg
JB-3	2/7/97	EPA8270	0	10	cm	Acenaphthene	67		µg/kg
JB-3	2/7/97	EPA8270	0	10	cm	Benzo(k)fluoranthene	1,700		µg/kg
JB-3	2/7/97	EPA8270	0	10	cm	Anthracene	250		µg/kg
JB-3	2/7/97	EPA8270	0	10	cm	Benzo(a)anthracene	1,300		µg/kg
JB-3	2/7/97	EPA8270	0	10	cm	Benzo(a)pyrene	2,200		µg/kg
JB-3	2/7/97	EPA8270	0	10	cm	Benzo(b)fluoranthene	2,200		µg/kg
JB-3	2/7/97	EPA8270	0	10	cm	2-Methylnaphthalene	36		µg/kg
JB-7	2/14/97	EPA8270	0	10	cm	Benzo(g,h,i)perylene	270		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
JB-7	2/14/97	EPA8270	0	10	cm	Dibenz(a,h)anthracene	98		µg/kg
JB-7	2/14/97	EPA8270	0	10	cm	Pyrene	360		µg/kg
JB-7	2/14/97	EPA8270	0	10	cm	Phenanthrene	170		µg/kg
JB-7	2/14/97	EPA8270	0	10	cm	Naphthalene	24	U	µg/kg
JB-7	2/14/97	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	330		µg/kg
JB-7	2/14/97	EPA8270	0	10	cm	Fluorene	29		µg/kg
JB-7	2/14/97	EPA8270	0	10	cm	Fluoranthene	320		µg/kg
JB-7	2/14/97	EPA8270	0	10	cm	Acenaphthylene	24	U	µg/kg
JB-7	2/14/97	EPA8270	0	10	cm	Chrysene	670		µg/kg
JB-7	2/14/97	EPA8270	0	10	cm	Benzo(k)fluoranthene	500		µg/kg
JB-7	2/14/97	EPA8270	0	10	cm	Acenaphthene	24	U	µg/kg
JB-7	2/14/97	EPA8270	0	10	cm	Anthracene	240		µg/kg
JB-7	2/14/97	EPA8270	0	10	cm	Benzo(a)anthracene	280		µg/kg
JB-7	2/14/97	EPA8270	0	10	cm	Benzo(a)pyrene	500		µg/kg
JB-7	2/14/97	EPA8270	0	10	cm	Benzo(b)fluoranthene	470		µg/kg
JB-7	2/14/97	EPA8270	0	10	cm	2-Methylnaphthalene	24	U	µg/kg
JB-8	2/14/97	EPA8270	0	10	cm	Benzo(g,h,i)perylene	650		µg/kg
JB-8	2/14/97	EPA8270	0	10	cm	Pyrene	390	U	µg/kg
JB-8	2/14/97	EPA8270	0	10	cm	Naphthalene	390	U	µg/kg
JB-8	2/14/97	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	700		µg/kg
JB-8	2/14/97	EPA8270	0	10	cm	Fluorene	390	U	µg/kg
JB-8	2/14/97	EPA8270	0	10	cm	Fluoranthene	390	U	µg/kg
JB-8	2/14/97	EPA8270	0	10	cm	Dibenz(a,h)anthracene	390	U	µg/kg
JB-8	2/14/97	EPA8270	0	10	cm	Phenanthrene	390	U	µg/kg
JB-8	2/14/97	EPA8270	0	10	cm	2-Methylnaphthalene	390	U	µg/kg
JB-8	2/14/97	EPA8270	0	10	cm	Benzo(b)fluoranthene	1,300		µg/kg
JB-8	2/14/97	EPA8270	0	10	cm	Benzo(a)pyrene	1,300		µg/kg
JB-8	2/14/97	EPA8270	0	10	cm	Benzo(a)anthracene	390	U	µg/kg
JB-8	2/14/97	EPA8270	0	10	cm	Anthracene	390	U	µg/kg
JB-8	2/14/97	EPA8270	0	10	cm	Acenaphthylene	390	U	µg/kg
JB-8	2/14/97	EPA8270	0	10	cm	Acenaphthene	390	U	µg/kg
JB-8	2/14/97	EPA8270	0	10	cm	Benzo(k)fluoranthene	1,000		µg/kg
JB-8	2/14/97	EPA8270	0	10	cm	Chrysene	1,300		µg/kg
QB-1	1/1/90	EPA8270	0	2	cm	Fluoranthene	720		µg/kg
QB-1	1/1/90	EPA8270	0	2	cm	Fluorene	43	J	µg/kg
QB-1	1/1/90	EPA8270	0	2	cm	Indeno(1,2,3-cd)pyrene	450		µg/kg
QB-1	1/1/90	EPA8270	0	2	cm	Naphthalene	100	J	µg/kg
QB-1	1/1/90	EPA8270	0	2	cm	Phenanthrene	290	J	µg/kg
QB-1	1/1/90	EPA8270	0	2	cm	Pyrene	750		µg/kg
QB-1	1/1/90	EPA8270	0	2	cm	Benzo(g,h,i)perylene	700		µg/kg
QB-1	1/1/90	EPA8270	0	2	cm	Dibenz(a,h)anthracene	280	J	µg/kg
QB-1	1/1/90	EPA8270	0	2	cm	Acenaphthylene	20	J	µg/kg
QB-1	1/1/90	EPA8270	0	2	cm	Benzo(k)fluoranthene	380	U	µg/kg
QB-1	1/1/90	EPA8270	0	2	cm	Acenaphthene	37	J	µg/kg
QB-1	1/1/90	EPA8270	0	2	cm	Anthracene	63	J	µg/kg
QB-1	1/1/90	EPA8270	0	2	cm	Benzo(a)anthracene	570		µg/kg
QB-1	1/1/90	EPA8270	0	2	cm	Benzo(a)pyrene	740		µg/kg
QB-1	1/1/90	EPA8270	0	2	cm	Benzo(b)fluoranthene	1,700		µg/kg
QB-1	1/1/90	EPA8270	0	2	cm	Chrysene	850		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
QB-1	1/1/90	EPA8270	0	2	cm	2-Methylnaphthalene	19	J	µg/kg
QB-12	1/1/90	EPA8270	0	2	cm	Benzo(g,h,i)perylene	28,000		µg/kg
QB-12	1/1/90	EPA8270	0	2	cm	Phenanthrene	12,000		µg/kg
QB-12	1/1/90	EPA8270	0	2	cm	Naphthalene	6,900		µg/kg
QB-12	1/1/90	EPA8270	0	2	cm	Indeno(1,2,3-cd)pyrene	12,000		µg/kg
QB-12	1/1/90	EPA8270	0	2	cm	Fluorene	2,800		µg/kg
QB-12	1/1/90	EPA8270	0	2	cm	Fluoranthene	20,000		µg/kg
QB-12	1/1/90	EPA8270	0	2	cm	Dibenz(a,h)anthracene	7,100		µg/kg
QB-12	1/1/90	EPA8270	0	2	cm	Pyrene	18,000		µg/kg
QB-12	1/1/90	EPA8270	0	2	cm	Acenaphthene	4,300		µg/kg
QB-12	1/1/90	EPA8270	0	2	cm	Chrysene	22,000		µg/kg
QB-12	1/1/90	EPA8270	0	2	cm	2-Methylnaphthalene	2,200		µg/kg
QB-12	1/1/90	EPA8270	0	2	cm	Benzo(k)fluoranthene	250	U	µg/kg
QB-12	1/1/90	EPA8270	0	2	cm	Acenaphthylene	260		µg/kg
QB-12	1/1/90	EPA8270	0	2	cm	Anthracene	2,600		µg/kg
QB-12	1/1/90	EPA8270	0	2	cm	Benzo(a)anthracene	8,800		µg/kg
QB-12	1/1/90	EPA8270	0	2	cm	Benzo(a)pyrene	19,000		µg/kg
QB-12	1/1/90	EPA8270	0	2	cm	Benzo(b)fluoranthene	45,000		µg/kg
QB-13	1/1/90	EPA8270	0	2	cm	Benzo(g,h,i)perylene	170,000	J	µg/kg
QB-13	1/1/90	EPA8270	0	2	cm	Naphthalene	92,000	J	µg/kg
QB-13	1/1/90	EPA8270	0	2	cm	Indeno(1,2,3-cd)pyrene	84,000	J	µg/kg
QB-13	1/1/90	EPA8270	0	2	cm	Fluorene	14,000	J	µg/kg
QB-13	1/1/90	EPA8270	0	2	cm	Fluoranthene	35,000	J	µg/kg
QB-13	1/1/90	EPA8270	0	2	cm	Dibenz(a,h)anthracene	39,000	J	µg/kg
QB-13	1/1/90	EPA8270	0	2	cm	Pyrene	88,000	J	µg/kg
QB-13	1/1/90	EPA8270	0	2	cm	Phenanthrene	52,000	J	µg/kg
QB-13	1/1/90	EPA8270	0	2	cm	2-Methylnaphthalene	42,000	J	µg/kg
QB-13	1/1/90	EPA8270	0	2	cm	Benzo(b)fluoranthene	280,000	J	µg/kg
QB-13	1/1/90	EPA8270	0	2	cm	Benzo(a)pyrene	140,000	J	µg/kg
QB-13	1/1/90	EPA8270	0	2	cm	Benzo(a)anthracene	83,000	J	µg/kg
QB-13	1/1/90	EPA8270	0	2	cm	Anthracene	7,900	J	µg/kg
QB-13	1/1/90	EPA8270	0	2	cm	Acenaphthylene	840	J	µg/kg
QB-13	1/1/90	EPA8270	0	2	cm	Acenaphthene	2,500		µg/kg
QB-13	1/1/90	EPA8270	0	2	cm	Chrysene	110,000	J	µg/kg
QB-13	1/1/90	EPA8270	0	2	cm	Benzo(k)fluoranthene	2,100	U	µg/kg
QB-14	1/1/90	EPA8270	0	2	cm	Dibenz(a,h)anthracene	150	U	µg/kg
QB-14	1/1/90	EPA8270	0	2	cm	Fluoranthene	98	J	µg/kg
QB-14	1/1/90	EPA8270	0	2	cm	Fluorene	150	U	µg/kg
QB-14	1/1/90	EPA8270	0	2	cm	Indeno(1,2,3-cd)pyrene	150	U	µg/kg
QB-14	1/1/90	EPA8270	0	2	cm	Naphthalene	34	J	µg/kg
QB-14	1/1/90	EPA8270	0	2	cm	Pyrene	110	J	µg/kg
QB-14	1/1/90	EPA8270	0	2	cm	Benzo(g,h,i)perylene	110	J	µg/kg
QB-14	1/1/90	EPA8270	0	2	cm	Phenanthrene	57	J	µg/kg
QB-14	1/1/90	EPA8270	0	2	cm	2-Methylnaphthalene	150	U	µg/kg
QB-14	1/1/90	EPA8270	0	2	cm	Benzo(b)fluoranthene	160	J	µg/kg
QB-14	1/1/90	EPA8270	0	2	cm	Benzo(a)pyrene	150	U	µg/kg
QB-14	1/1/90	EPA8270	0	2	cm	Benzo(a)anthracene	51	J	µg/kg
QB-14	1/1/90	EPA8270	0	2	cm	Anthracene	150	U	µg/kg
QB-14	1/1/90	EPA8270	0	2	cm	Acenaphthylene	150	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
QB-14	1/1/90	EPA8270	0	2	cm	Acenaphthene	150	U	µg/kg
QB-14	1/1/90	EPA8270	0	2	cm	Benzo(k)fluoranthene	75	J	µg/kg
QB-14	1/1/90	EPA8270	0	2	cm	Chrysene	94	J	µg/kg
QB-4	1/1/90	EPA8270	0	2	cm	Pyrene	1,200,000	J	µg/kg
QB-4	1/1/90	EPA8270	0	2	cm	Dibenz(a,h)anthracene	13,000	J	µg/kg
QB-4	1/1/90	EPA8270	0	2	cm	Benzo(k)fluoranthene	2,100	UJ	µg/kg
QB-4	1/1/90	EPA8270	0	2	cm	Fluorene	510,000	J	µg/kg
QB-4	1/1/90	EPA8270	0	2	cm	Indeno(1,2,3-cd)pyrene	24,000	J	µg/kg
QB-4	1/1/90	EPA8270	0	2	cm	Naphthalene	160,000	J	µg/kg
QB-4	1/1/90	EPA8270	0	2	cm	Chrysene	280,000	J	µg/kg
QB-4	1/1/90	EPA8270	0	2	cm	Phenanthrene	2,100,000	J	µg/kg
QB-4	1/1/90	EPA8270	0	2	cm	2-Methylnaphthalene	150,000	J	µg/kg
QB-4	1/1/90	EPA8270	0	2	cm	Benzo(g,h,i)perylene	24,000	J	µg/kg
QB-4	1/1/90	EPA8270	0	2	cm	Acenaphthene	570,000	J	µg/kg
QB-4	1/1/90	EPA8270	0	2	cm	Acenaphthylene	1,800	U	µg/kg
QB-4	1/1/90	EPA8270	0	2	cm	Anthracene	350,000	J	µg/kg
QB-4	1/1/90	EPA8270	0	2	cm	Benzo(a)anthracene	280,000	J	µg/kg
QB-4	1/1/90	EPA8270	0	2	cm	Benzo(a)pyrene	87,000	J	µg/kg
QB-4	1/1/90	EPA8270	0	2	cm	Benzo(b)fluoranthene	270,000	J	µg/kg
QB-4	1/1/90	EPA8270	0	2	cm	Fluoranthene	1,400,000	J	µg/kg
QB-5	1/1/90	EPA8270	0	2	cm	Benzo(g,h,i)perylene	2,400		µg/kg
QB-5	1/1/90	EPA8270	0	2	cm	Dibenz(a,h)anthracene	500		µg/kg
QB-5	1/1/90	EPA8270	0	2	cm	Pyrene	2,700		µg/kg
QB-5	1/1/90	EPA8270	0	2	cm	Phenanthrene	2,100		µg/kg
QB-5	1/1/90	EPA8270	0	2	cm	Naphthalene	880		µg/kg
QB-5	1/1/90	EPA8270	0	2	cm	Indeno(1,2,3-cd)pyrene	1,400		µg/kg
QB-5	1/1/90	EPA8270	0	2	cm	Fluorene	330	J	µg/kg
QB-5	1/1/90	EPA8270	0	2	cm	Fluoranthene	2,500		µg/kg
QB-5	1/1/90	EPA8270	0	2	cm	Acenaphthylene	54	U	µg/kg
QB-5	1/1/90	EPA8270	0	2	cm	Chrysene	2,700		µg/kg
QB-5	1/1/90	EPA8270	0	2	cm	Acenaphthene	380	J	µg/kg
QB-5	1/1/90	EPA8270	0	2	cm	Benzo(k)fluoranthene	440	U	µg/kg
QB-5	1/1/90	EPA8270	0	2	cm	Anthracene	500		µg/kg
QB-5	1/1/90	EPA8270	0	2	cm	Benzo(a)anthracene	1,500		µg/kg
QB-5	1/1/90	EPA8270	0	2	cm	Benzo(a)pyrene	3,200		µg/kg
QB-5	1/1/90	EPA8270	0	2	cm	Benzo(b)fluoranthene	3,400		µg/kg
QB-5	1/1/90	EPA8270	0	2	cm	2-Methylnaphthalene	160	J	µg/kg
QB-6	1/1/90	EPA8270	0	2	cm	Benzo(g,h,i)perylene	11,000		µg/kg
QB-6	1/1/90	EPA8270	0	2	cm	Dibenz(a,h)anthracene	2,800		µg/kg
QB-6	1/1/90	EPA8270	0	2	cm	Pyrene	4,400		µg/kg
QB-6	1/1/90	EPA8270	0	2	cm	Phenanthrene	2,100		µg/kg
QB-6	1/1/90	EPA8270	0	2	cm	Naphthalene	660		µg/kg
QB-6	1/1/90	EPA8270	0	2	cm	Indeno(1,2,3-cd)pyrene	6,900		µg/kg
QB-6	1/1/90	EPA8270	0	2	cm	Fluorene	340	J	µg/kg
QB-6	1/1/90	EPA8270	0	2	cm	Fluoranthene	8,700		µg/kg
QB-6	1/1/90	EPA8270	0	2	cm	Acenaphthylene	98	J	µg/kg
QB-6	1/1/90	EPA8270	0	2	cm	Chrysene	9,700		µg/kg
QB-6	1/1/90	EPA8270	0	2	cm	Benzo(k)fluoranthene	7,700		µg/kg
QB-6	1/1/90	EPA8270	0	2	cm	Acenaphthene	250	J	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
QB-6	1/1/90	EPA8270	0	2	cm	Anthracene	450	J	µg/kg
QB-6	1/1/90	EPA8270	0	2	cm	Benzo(a)anthracene	4,500		µg/kg
QB-6	1/1/90	EPA8270	0	2	cm	Benzo(a)pyrene	14,000		µg/kg
QB-6	1/1/90	EPA8270	0	2	cm	Benzo(b)fluoranthene	17,000		µg/kg
QB-6	1/1/90	EPA8270	0	2	cm	2-Methylnaphthalene	180	J	µg/kg
QB-7	1/1/90	EPA8270	0	2	cm	Benzo(g,h,i)perylene	3,700		µg/kg
QB-7	1/1/90	EPA8270	0	2	cm	Pyrene	4,000		µg/kg
QB-7	1/1/90	EPA8270	0	2	cm	Naphthalene	640		µg/kg
QB-7	1/1/90	EPA8270	0	2	cm	Indeno(1,2,3-cd)pyrene	2,900		µg/kg
QB-7	1/1/90	EPA8270	0	2	cm	Fluorene	480	J	µg/kg
QB-7	1/1/90	EPA8270	0	2	cm	Fluoranthene	3,700		µg/kg
QB-7	1/1/90	EPA8270	0	2	cm	Dibenz(a,h)anthracene	610		µg/kg
QB-7	1/1/90	EPA8270	0	2	cm	Phenanthrene	2,800		µg/kg
QB-7	1/1/90	EPA8270	0	2	cm	2-Methylnaphthalene	280	J	µg/kg
QB-7	1/1/90	EPA8270	0	2	cm	Benzo(b)fluoranthene	8,800		µg/kg
QB-7	1/1/90	EPA8270	0	2	cm	Benzo(a)pyrene	4,800		µg/kg
QB-7	1/1/90	EPA8270	0	2	cm	Benzo(a)anthracene	2,500		µg/kg
QB-7	1/1/90	EPA8270	0	2	cm	Anthracene	490	J	µg/kg
QB-7	1/1/90	EPA8270	0	2	cm	Acenaphthylene	64	J	µg/kg
QB-7	1/1/90	EPA8270	0	2	cm	Acenaphthene	570		µg/kg
QB-7	1/1/90	EPA8270	0	2	cm	Benzo(k)fluoranthene	550	U	µg/kg
QB-7	1/1/90	EPA8270	0	2	cm	Chrysene	4,600		µg/kg
QB2-12	1/1/90	EPA8270	0	2	cm	Pyrene	10,000		µg/kg
QB2-12	1/1/90	EPA8270	0	2	cm	Dibenz(a,h)anthracene	3,500		µg/kg
QB2-12	1/1/90	EPA8270	0	2	cm	Benzo(k)fluoranthene	3,300		µg/kg
QB2-12	1/1/90	EPA8270	0	2	cm	Fluorene	1,800		µg/kg
QB2-12	1/1/90	EPA8270	0	2	cm	Indeno(1,2,3-cd)pyrene	8,300		µg/kg
QB2-12	1/1/90	EPA8270	0	2	cm	Naphthalene	4,400		µg/kg
QB2-12	1/1/90	EPA8270	0	2	cm	Chrysene	19,000		µg/kg
QB2-12	1/1/90	EPA8270	0	2	cm	Phenanthrene	6,400		µg/kg
QB2-12	1/1/90	EPA8270	0	2	cm	2-Methylnaphthalene	1,500		µg/kg
QB2-12	1/1/90	EPA8270	0	2	cm	Benzo(g,h,i)perylene	3,400		µg/kg
QB2-12	1/1/90	EPA8270	0	2	cm	Acenaphthene	2,800		µg/kg
QB2-12	1/1/90	EPA8270	0	2	cm	Acenaphthylene	150	J	µg/kg
QB2-12	1/1/90	EPA8270	0	2	cm	Anthracene	1,400		µg/kg
QB2-12	1/1/90	EPA8270	0	2	cm	Benzo(a)anthracene	8,300		µg/kg
QB2-12	1/1/90	EPA8270	0	2	cm	Benzo(a)pyrene	20,000		µg/kg
QB2-12	1/1/90	EPA8270	0	2	cm	Benzo(b)fluoranthene	29,000		µg/kg
QB2-12	1/1/90	EPA8270	0	2	cm	Fluoranthene	6,300		µg/kg
QB2-13	1/1/90	EPA8270	0	2	cm	Benzo(g,h,i)perylene	5,900		µg/kg
QB2-13	1/1/90	EPA8270	0	2	cm	Dibenz(a,h)anthracene	5,900		µg/kg
QB2-13	1/1/90	EPA8270	0	2	cm	Pyrene	29,000		µg/kg
QB2-13	1/1/90	EPA8270	0	2	cm	Phenanthrene	18,000		µg/kg
QB2-13	1/1/90	EPA8270	0	2	cm	Naphthalene	18,000		µg/kg
QB2-13	1/1/90	EPA8270	0	2	cm	Indeno(1,2,3-cd)pyrene	18,000		µg/kg
QB2-13	1/1/90	EPA8270	0	2	cm	Fluorene	5,400		µg/kg
QB2-13	1/1/90	EPA8270	0	2	cm	Fluoranthene	19,000		µg/kg
QB2-13	1/1/90	EPA8270	0	2	cm	Acenaphthylene	250	J	µg/kg
QB2-13	1/1/90	EPA8270	0	2	cm	2-Methylnaphthalene	13,000		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
QB2-13	1/1/90	EPA8270	0	2	cm	Chrysene	71,000		µg/kg
QB2-13	1/1/90	EPA8270	0	2	cm	Acenaphthene	7,700		µg/kg
QB2-13	1/1/90	EPA8270	0	2	cm	Benzo(k)fluoranthene	13,000		µg/kg
QB2-13	1/1/90	EPA8270	0	2	cm	Anthracene	5,200		µg/kg
QB2-13	1/1/90	EPA8270	0	2	cm	Benzo(a)anthracene	31,000		µg/kg
QB2-13	1/1/90	EPA8270	0	2	cm	Benzo(a)pyrene	31,000		µg/kg
QB2-13	1/1/90	EPA8270	0	2	cm	Benzo(b)fluoranthene	65,000		µg/kg
QB2-5	1/1/90	EPA8270	0	2	cm	Chrysene	3,400		µg/kg
QB2-5	1/1/90	EPA8270	0	2	cm	Naphthalene	490		µg/kg
QB2-5	1/1/90	EPA8270	0	2	cm	Indeno(1,2,3-cd)pyrene	2,700		µg/kg
QB2-5	1/1/90	EPA8270	0	2	cm	Fluorene	200	J	µg/kg
QB2-5	1/1/90	EPA8270	0	2	cm	Benzo(k)fluoranthene	1,600		µg/kg
QB2-5	1/1/90	EPA8270	0	2	cm	Dibenz(a,h)anthracene	160	U	µg/kg
QB2-5	1/1/90	EPA8270	0	2	cm	Pyrene	2,900		µg/kg
QB2-5	1/1/90	EPA8270	0	2	cm	Phenanthrene	640		µg/kg
QB2-5	1/1/90	EPA8270	0	2	cm	Benzo(b)fluoranthene	6,400		µg/kg
QB2-5	1/1/90	EPA8270	0	2	cm	Benzo(a)pyrene	4,500		µg/kg
QB2-5	1/1/90	EPA8270	0	2	cm	Benzo(a)anthracene	2,300		µg/kg
QB2-5	1/1/90	EPA8270	0	2	cm	Anthracene	350	J	µg/kg
QB2-5	1/1/90	EPA8270	0	2	cm	Acenaphthylene	30	J	µg/kg
QB2-5	1/1/90	EPA8270	0	2	cm	Acenaphthene	170	J	µg/kg
QB2-5	1/1/90	EPA8270	0	2	cm	2-Methylnaphthalene	160	J	µg/kg
QB2-5	1/1/90	EPA8270	0	2	cm	Fluoranthene	2,100		µg/kg
QB2-5	1/1/90	EPA8270	0	2	cm	Benzo(g,h,i)perylene	1,500		µg/kg
S-101	11/14/96	EPA8100M	0	10	cm	Fluorene	18,000	U	µg/kg
S-101	11/14/96	EPA8100M	0	10	cm	Pyrene	11,000	J	µg/kg
S-101	11/14/96	EPA8100M	0	10	cm	Phenanthrene	18,000	U	µg/kg
S-101	11/14/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	18,000	U	µg/kg
S-101	11/14/96	EPA8100M	0	10	cm	Fluoranthene	18,000	U	µg/kg
S-101	11/14/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	18,000	U	µg/kg
S-101	11/14/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	18,000	U	µg/kg
S-101	11/14/96	EPA8100M	0	10	cm	Benzo(a)pyrene	18,000	U	µg/kg
S-101	11/14/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	18,000	U	µg/kg
S-101	11/14/96	EPA8100M	0	10	cm	Anthracene	18,000	U	µg/kg
S-101	11/14/96	EPA8100M	0	10	cm	Acenaphthylene	18,000	U	µg/kg
S-101	11/14/96	EPA8100M	0	10	cm	Acenaphthene	18,000	U	µg/kg
S-101	11/14/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	18,000	U	µg/kg
S-101	11/14/96	EPA8100M	0	10	cm	Naphthalene	18,000	U	µg/kg
S-103	11/13/96	EPA8270	0	10	cm	Fluorene	160		µg/kg
S-103	11/13/96	EPA8270	0	10	cm	Acenaphthylene	150	U	µg/kg
S-103	11/13/96	EPA8270	0	10	cm	Anthracene	640		µg/kg
S-103	11/13/96	EPA8270	0	10	cm	Benzo(a)anthracene	1,100		µg/kg
S-103	11/13/96	EPA8270	0	10	cm	Benzo(a)pyrene	1,100		µg/kg
S-103	11/13/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	760		µg/kg
S-103	11/13/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	470		µg/kg
S-103	11/13/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	1,100		µg/kg
S-103	11/13/96	EPA8270	0	10	cm	Chrysene	1,100		µg/kg
S-103	11/13/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	330		µg/kg
S-103	11/13/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	510		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-103	11/13/96	EPA8270	0	10	cm	Phenanthrene	1,200		µg/kg
S-103	11/13/96	EPA8270	0	10	cm	Pyrene	3,100		µg/kg
S-103	11/13/96	EPA8270	0	10	cm	Acenaphthene	150	U	µg/kg
S-103	11/13/96	EPA8270	0	10	cm	Fluoranthene	2,100		µg/kg
S-103	11/13/96	EPA8100M	0	10	cm	Benzo(a)pyrene	9,300	U	µg/kg
S-103	11/13/96	EPA8270	0	10	cm	Naphthalene	150	U	µg/kg
S-103	11/13/96	EPA8100M	0	10	cm	Acenaphthene	9,300	U	µg/kg
S-103	11/13/96	EPA8100M	0	10	cm	Acenaphthylene	9,300	U	µg/kg
S-103	11/13/96	EPA8100M	0	10	cm	Anthracene	9,300	U	µg/kg
S-103	11/13/96	EPA8270	0	10	cm	2-Methylnaphthalene	150	U	µg/kg
S-103	11/13/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	9,300	U	µg/kg
S-103	11/13/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	9,300	U	µg/kg
S-103	11/13/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	9,300	U	µg/kg
S-103	11/13/96	EPA8100M	0	10	cm	Fluoranthene	9,300	U	µg/kg
S-103	11/13/96	EPA8100M	0	10	cm	Fluorene	9,300	U	µg/kg
S-103	11/13/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	9,300	U	µg/kg
S-103	11/13/96	EPA8100M	0	10	cm	Naphthalene	9,300	U	µg/kg
S-103	11/13/96	EPA8100M	0	10	cm	Phenanthrene	9,300	U	µg/kg
S-103	11/13/96	EPA8100M	0	10	cm	Pyrene	80,000		µg/kg
S-103	11/13/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	9,300	U	µg/kg
S-104	11/13/96	EPA8100M	0	10	cm	Acenaphthylene	5,700	U	µg/kg
S-104	11/13/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	5,700	U	µg/kg
S-104	11/13/96	EPA8100M	0	10	cm	Phenanthrene	5,700	U	µg/kg
S-104	11/13/96	EPA8100M	0	10	cm	Naphthalene	5,700	U	µg/kg
S-104	11/13/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	5,700	U	µg/kg
S-104	11/13/96	EPA8100M	0	10	cm	Fluorene	5,700	U	µg/kg
S-104	11/13/96	EPA8100M	0	10	cm	Fluoranthene	5,700	U	µg/kg
S-104	11/13/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	5,700	U	µg/kg
S-104	11/13/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	5,700	U	µg/kg
S-104	11/13/96	EPA8100M	0	10	cm	Benzo(a)pyrene	5,700	U	µg/kg
S-104	11/13/96	EPA8100M	0	10	cm	Anthracene	5,700	U	µg/kg
S-104	11/13/96	EPA8100M	0	10	cm	Pyrene	5,700	U	µg/kg
S-104	11/13/96	EPA8100M	0	10	cm	Acenaphthene	5,700	U	µg/kg
S-104	11/13/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	5,700	U	µg/kg
S-111	11/13/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	11,000	U	µg/kg
S-111	11/13/96	EPA8100M	0	10	cm	Pyrene	11,000	U	µg/kg
S-111	11/13/96	EPA8100M	0	10	cm	Phenanthrene	11,000	U	µg/kg
S-111	11/13/96	EPA8100M	0	10	cm	Naphthalene	11,000	U	µg/kg
S-111	11/13/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	11,000	U	µg/kg
S-111	11/13/96	EPA8100M	0	10	cm	Fluorene	11,000	U	µg/kg
S-111	11/13/96	EPA8100M	0	10	cm	Fluoranthene	11,000	U	µg/kg
S-111	11/13/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	11,000	U	µg/kg
S-111	11/13/96	EPA8100M	0	10	cm	Benzo(a)pyrene	11,000	U	µg/kg
S-111	11/13/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	11,000	U	µg/kg
S-111	11/13/96	EPA8100M	0	10	cm	Anthracene	11,000	U	µg/kg
S-111	11/13/96	EPA8100M	0	10	cm	Acenaphthene	11,000	U	µg/kg
S-111	11/13/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	11,000	U	µg/kg
S-111	11/13/96	EPA8100M	0	10	cm	Acenaphthylene	11,000	U	µg/kg
S-112	11/14/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	470		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-112	11/14/96	EPA8270	0	10	cm	Acenaphthylene	140		µg/kg
S-112	11/14/96	EPA8270	0	10	cm	Benzo(a)anthracene	1,200		µg/kg
S-112	11/14/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	650		µg/kg
S-112	11/14/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	600		µg/kg
S-112	11/14/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	270		µg/kg
S-112	11/14/96	EPA8270	0	10	cm	Chrysene	1,400		µg/kg
S-112	11/14/96	EPA8270	0	10	cm	d10-2-Methylnaphthalene			%
S-112	11/14/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-112	11/14/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	130		µg/kg
S-112	11/14/96	EPA8270	0	10	cm	Fluorene	80		µg/kg
S-112	11/14/96	EPA8270	0	10	cm	Naphthalene	51		µg/kg
S-112	11/14/96	EPA8270	0	10	cm	Phenanthrene	800		µg/kg
S-112	11/14/96	EPA8270	0	10	cm	Pyrene	2,200		µg/kg
S-112	11/14/96	EPA8270	0	10	cm	Anthracene	500		µg/kg
S-112	11/14/96	EPA8270	0	10	cm	Acenaphthene	70		µg/kg
S-112	11/14/96	EPA8270	0	10	cm	Fluoranthene	2,300		µg/kg
S-112	11/14/96	EPA8100M	0	10	cm	Anthracene	16,000	U	µg/kg
S-112	11/14/96	EPA8270	0	10	cm	2-Methylnaphthalene	28	U	µg/kg
S-112	11/14/96	EPA8270	0	10	cm	Benzo(a)pyrene	1,000		µg/kg
S-112	11/14/96	EPA8100M	0	10	cm	Acenaphthylene	16,000	U	µg/kg
S-112	11/14/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	16,000	U	µg/kg
S-112	11/14/96	EPA8100M	0	10	cm	Benzo(a)pyrene	16,000	U	µg/kg
S-112	11/14/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	20,000		µg/kg
S-112	11/14/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	16,000	U	µg/kg
S-112	11/14/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	16,000	U	µg/kg
S-112	11/14/96	EPA8100M	0	10	cm	Fluoranthene	16,000	U	µg/kg
S-112	11/14/96	EPA8100M	0	10	cm	Pyrene	16,000	U	µg/kg
S-112	11/14/96	EPA8100M	0	10	cm	Fluoranthene	25,000		µg/kg
S-112	11/14/96	EPA8100M	0	10	cm	Acenaphthene	16,000	U	µg/kg
S-112	11/14/96	EPA8100M	0	10	cm	Pyrene	44,000		µg/kg
S-112	11/14/96	EPA8100M	0	10	cm	Phenanthrene	16,000	U	µg/kg
S-112	11/14/96	EPA8100M	0	10	cm	Naphthalene	16,000	U	µg/kg
S-112	11/14/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	16,000	U	µg/kg
S-112	11/14/96	EPA8100M	0	10	cm	Fluorene	16,000	U	µg/kg
S-112-D	11/14/96	EPA8270SI	0	10	cm	Anthracene	880		µg/kg
S-112-D	11/14/96	EPA8270SI	0	10	cm	Fluorene	92		µg/kg
S-112-D	11/14/96	EPA8270SI	0	10	cm	Chrysene	2,600		µg/kg
S-112-D	11/14/96	EPA8270SI	0	10	cm	Benzo(a)pyrene	1,200		µg/kg
S-112-D	11/14/96	EPA8270SI	0	10	cm	Benzo(b)fluoranthene	790		µg/kg
S-112-D	11/14/96	EPA8270SI	0	10	cm	Benzo(g,h,i)perylene	750		µg/kg
S-112-D	11/14/96	EPA8270SI	0	10	cm	Benzo(k)fluoranthene	760		µg/kg
S-112-D	11/14/96	EPA8270SI	0	10	cm	Benzo(a)anthracene	1,400		µg/kg
S-112-D	11/14/96	EPA8270SI	0	10	cm	d10-2-Methylnaphthalene			%
S-112-D	11/14/96	EPA8270SI	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-112-D	11/14/96	EPA8270SI	0	10	cm	Phenanthrene	740		µg/kg
S-112-D	11/14/96	EPA8270SI	0	10	cm	Fluoranthene	1,800		µg/kg
S-112-D	11/14/96	EPA8270SI	0	10	cm	Indeno(1,2,3-cd)pyrene	650		µg/kg
S-112-D	11/14/96	EPA8270SI	0	10	cm	Naphthalene	53		µg/kg
S-112-D	11/14/96	EPA8270SI	0	10	cm	2-Methylnaphthalene	27		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-112-D	11/14/96	EPA8270SI	0	10	cm	Pyrene	2,000		µg/kg
S-112-D	11/14/96	EPA8270SI	0	10	cm	Dibenzo(a,h)anthracen	180	M	µg/kg
S-112-D	11/14/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	16,000	U	µg/kg
S-112-D	11/14/96	EPA8270SI	0	10	cm	Acenaphthylene	110		µg/kg
S-112-D	11/14/96	EPA8270SI	0	10	cm	Acenaphthene	46		µg/kg
S-112-D	11/14/96	EPA8100M	0	10	cm	Acenaphthene	16,000	U	µg/kg
S-112-D	11/14/96	EPA8100M	0	10	cm	Anthracene	16,000	U	µg/kg
S-112-D	11/14/96	EPA8100M	0	10	cm	Benzo(a)pyrene	16,000	U	µg/kg
S-112-D	11/14/96	EPA8100M	0	10	cm	Benzo(b+k)fluoranthen	20,000		µg/kg
S-112-D	11/14/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	16,000	U	µg/kg
S-112-D	11/14/96	EPA8100M	0	10	cm	Phenanthrene	16,000	U	µg/kg
S-112-D	11/14/96	EPA8100M	0	10	cm	Acenaphthylene	16,000	U	µg/kg
S-112-D	11/14/96	EPA8100M	0	10	cm	Pyrene	16,000	U	µg/kg
S-112-D	11/14/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	16,000	U	µg/kg
S-112-D	11/14/96	EPA8100M	0	10	cm	Naphthalene	16,000	U	µg/kg
S-112-D	11/14/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	16,000	U	µg/kg
S-112-D	11/14/96	EPA8100M	0	10	cm	Fluorene	16,000	U	µg/kg
S-112-D	11/14/96	EPA8100M	0	10	cm	Fluoranthene	16,000	U	µg/kg
S-154	11/15/96	EPA8270	0	10	cm	Chrysene	700		µg/kg
S-154	11/15/96	EPA8270	0	10	cm	Acenaphthylene	26	U	µg/kg
S-154	11/15/96	EPA8270	0	10	cm	Benzo(a)anthracene	450		µg/kg
S-154	11/15/96	EPA8270	0	10	cm	Benzo(a)pyrene	490		µg/kg
S-154	11/15/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	450		µg/kg
S-154	11/15/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	380		µg/kg
S-154	11/15/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	310		µg/kg
S-154	11/15/96	EPA8270	0	10	cm	Anthracene	62		µg/kg
S-154	11/15/96	EPA8270	0	10	cm	d10-2-Methylnaphthale			%
S-154	11/15/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-154	11/15/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	98		µg/kg
S-154	11/15/96	EPA8270	0	10	cm	Fluoranthene	160		µg/kg
S-154	11/15/96	EPA8270	0	10	cm	Fluorene	26	U	µg/kg
S-154	11/15/96	EPA8270	0	10	cm	Naphthalene	26	U	µg/kg
S-154	11/15/96	EPA8270	0	10	cm	Pyrene	160		µg/kg
S-154	11/15/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	300		µg/kg
S-154	11/15/96	EPA8100M	0	10	cm	Acenaphthylene	16,000	U	µg/kg
S-154	11/15/96	EPA8100M	0	10	cm	Acenaphthene	16,000	U	µg/kg
S-154	11/15/96	EPA8100M	0	10	cm	Anthracene	16,000	U	µg/kg
S-154	11/15/96	EPA8270	0	10	cm	Acenaphthene	26	U	µg/kg
S-154	11/15/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	16,000	U	µg/kg
S-154	11/15/96	EPA8100M	0	10	cm	Benzo(a)pyrene	16,000	U	µg/kg
S-154	11/15/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	16,000	U	µg/kg
S-154	11/15/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	16,000	U	µg/kg
S-154	11/15/96	EPA8270	0	10	cm	2-Methylnaphthalene	26	U	µg/kg
S-154	11/15/96	EPA8100M	0	10	cm	Fluoranthene	16,000	U	µg/kg
S-154	11/15/96	EPA8100M	0	10	cm	Fluorene	16,000	U	µg/kg
S-154	11/15/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	16,000	U	µg/kg
S-154	11/15/96	EPA8100M	0	10	cm	Naphthalene	16,000	U	µg/kg
S-154	11/15/96	EPA8100M	0	10	cm	Phenanthrene	16,000	U	µg/kg
S-154	11/15/96	EPA8100M	0	10	cm	Pyrene	16,000	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-154	11/15/96	EPA8270	0	10	cm	Phenanthrene	78		µg/kg
S-154	11/15/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	16,000	U	µg/kg
S-155	11/15/96	EPA8270	0	10	cm	d10-2-Methylnaphthale			%
S-155	11/15/96	EPA8270	0	10	cm	Chrysene	930		µg/kg
S-155	11/15/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	690		µg/kg
S-155	11/15/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	620		µg/kg
S-155	11/15/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-155	11/15/96	EPA8270	0	10	cm	Benzo(a)pyrene	960		µg/kg
S-155	11/15/96	EPA8270	0	10	cm	Phenanthrene	220		µg/kg
S-155	11/15/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	980		µg/kg
S-155	11/15/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	150		µg/kg
S-155	11/15/96	EPA8270	0	10	cm	Fluoranthene	680		µg/kg
S-155	11/15/96	EPA8270	0	10	cm	Fluorene	31	U	µg/kg
S-155	11/15/96	EPA8270	0	10	cm	Naphthalene	31	U	µg/kg
S-155	11/15/96	EPA8270	0	10	cm	Pyrene	590		µg/kg
S-155	11/15/96	EPA8270	0	10	cm	Benzo(a)anthracene	640		µg/kg
S-155	11/15/96	EPA8270	0	10	cm	Acenaphthene	31	U	µg/kg
S-155	11/15/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	580		µg/kg
S-155	11/15/96	EPA8100M	0	10	cm	Anthracene	19,000	U	µg/kg
S-155	11/15/96	EPA8100M	0	10	cm	Acenaphthene	19,000	U	µg/kg
S-155	11/15/96	EPA8270	0	10	cm	Anthracene	110		µg/kg
S-155	11/15/96	EPA8100M	0	10	cm	Acenaphthylene	19,000	U	µg/kg
S-155	11/15/96	EPA8270	0	10	cm	Acenaphthylene	31	U	µg/kg
S-155	11/15/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	19,000	U	µg/kg
S-155	11/15/96	EPA8100M	0	10	cm	Benzo(a)pyrene	19,000	U	µg/kg
S-156	11/15/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	19,000	U	µg/kg
S-155	11/15/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	19,000	U	µg/kg
S-155	11/15/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	19,000	U	µg/kg
S-155	11/15/96	EPA8100M	0	10	cm	Fluorene	19,000	U	µg/kg
S-156	11/15/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	19,000	U	µg/kg
S-155	11/15/96	EPA8100M	0	10	cm	Naphthalene	19,000	U	µg/kg
S-156	11/15/96	EPA8100M	0	10	cm	Phenanthrene	19,000	U	µg/kg
S-155	11/15/96	EPA8100M	0	10	cm	Pyrene	19,000	U	µg/kg
S-156	11/15/96	EPA8270	0	10	cm	2-Methylnaphthalene	31	U	µg/kg
S-156	11/15/96	EPA8100M	0	10	cm	Fluoranthene	19,000	U	µg/kg
S-156	11/15/96	EPA8270	0	10	cm	Fluorene	27	U	µg/kg
S-156	11/15/96	EPA8270	0	10	cm	Anthracene	51		µg/kg
S-156	11/15/96	EPA8270	0	10	cm	Benzo(a)anthracene	380		µg/kg
S-156	11/15/96	EPA8270	0	10	cm	Benzo(a)pyrene	600		µg/kg
S-156	11/15/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	840		µg/kg
S-156	11/15/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	430		µg/kg
S-156	11/15/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	360		µg/kg
S-156	11/15/96	EPA8270	0	10	cm	Chrysene	560		µg/kg
S-156	11/15/96	EPA8270	0	10	cm	d10-2-Methylnaphthale			%
S-156	11/15/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-156	11/15/96	EPA8270	0	10	cm	Phenanthrene	150		µg/kg
S-156	11/15/96	EPA8270	0	10	cm	Pyrene	280		µg/kg
S-156	11/15/96	EPA8270	0	10	cm	Acenaphthylene	27	U	µg/kg
S-156	11/15/96	EPA8270	0	10	cm	Naphthalene	27	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-155	11/15/96	EPA8270	0	10	cm	Fluoranthene	350		µg/kg
S-155	11/15/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	120		µg/kg
S-155	11/15/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	16,000	U	µg/kg
S-155	11/15/96	EPA8270	0	10	cm	Acenaphthene	27	U	µg/kg
S-155	11/15/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	400	J	µg/kg
S-156	11/15/96	EPA8100M	0	10	cm	Acenaphthene	16,000	U	µg/kg
S-156	11/15/96	EPA8100M	0	10	cm	Acenaphthylene	16,000	U	µg/kg
S-156	11/15/96	EPA8100M	0	10	cm	Anthracene	16,000	U	µg/kg
S-156	11/15/96	EPA8100M	0	10	cm	Benzo(a)pyrene	16,000	U	µg/kg
S-156	11/15/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	16,000	U	µg/kg
S-156	11/15/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	16,000	U	µg/kg
S-156	11/15/96	EPA8100M	0	10	cm	Fluoranthene	16,000	U	µg/kg
S-156	11/15/96	EPA8100M	0	10	cm	Fluorene	16,000	U	µg/kg
S-156	11/15/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	16,000	U	µg/kg
S-156	11/15/96	EPA8100M	0	10	cm	Naphthalene	16,000	U	µg/kg
S-156	11/15/96	EPA8100M	0	10	cm	Phenanthrene	16,000	U	µg/kg
S-156	11/15/96	EPA8100M	0	10	cm	Pyrene	16,000	U	µg/kg
S-156	11/15/96	EPA8270	0	10	cm	2-Methylnaphthalene	27	U	µg/kg
S-156	11/15/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	16,000	U	µg/kg
S-156	11/16/96	EPA8100M	10	20	cm	Fluoranthene	11,000	U	µg/kg
S-156	11/16/96	EPA8100M	10	20	cm	Dibenz(a,h)anthracene	11,000	U	µg/kg
S-156	11/16/96	EPA8100M	10	20	cm	Pyrene	11,000	U	µg/kg
S-156	11/16/96	EPA8100M	10	20	cm	Phenanthrene	11,000	U	µg/kg
S-156	11/16/96	EPA8100M	10	20	cm	Naphthalene	11,000	U	µg/kg
S-156	11/16/96	EPA8100M	10	20	cm	Fluorene	11,000	U	µg/kg
S-156	11/16/96	EPA8100M	10	20	cm	Benzo(b,k)fluoranthene	11,000	U	µg/kg
S-156	11/16/96	EPA8100M	10	20	cm	Acenaphthene	11,000	U	µg/kg
S-156	11/16/96	EPA8100M	10	20	cm	Benzo(a)pyrene	11,000	U	µg/kg
S-156	11/16/96	EPA8100M	10	20	cm	Benzo(a)anthracene/Ch	11,000	U	µg/kg
S-156	11/16/96	EPA8100M	10	20	cm	Anthracene	11,000	U	µg/kg
S-156	11/16/96	EPA8100M	10	20	cm	Acenaphthylene	11,000	U	µg/kg
S-156	11/16/96	EPA8100M	10	20	cm	Indeno(1,2,3-cd)pyrene	11,000	U	µg/kg
S-156	11/16/96	EPA8100M	10	20	cm	Benzo(g,h,i)perylene	11,000	U	µg/kg
S-35	11/14/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	18,000	U	µg/kg
S-35	11/14/96	EPA8100M	0	10	cm	Phenanthrene	18,000	U	µg/kg
S-35	11/14/96	EPA8100M	0	10	cm	Naphthalene	18,000	U	µg/kg
S-35	11/14/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	18,000	U	µg/kg
S-35	11/14/96	EPA8100M	0	10	cm	Fluorene	18,000	U	µg/kg
S-35	11/14/96	EPA8100M	0	10	cm	Fluoranthene	16,000	J	µg/kg
S-35	11/14/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	18,000	U	µg/kg
S-35	11/14/96	EPA8100M	0	10	cm	Benzo(a)pyrene	18,000	U	µg/kg
S-35	11/14/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	12,000	J	µg/kg
S-35	11/14/96	EPA8100M	0	10	cm	Anthracene	18,000	U	µg/kg
S-35	11/14/96	EPA8100M	0	10	cm	Acenaphthylene	18,000	U	µg/kg
S-35	11/14/96	EPA8100M	0	10	cm	Acenaphthene	18,000	U	µg/kg
S-35	11/14/96	EPA8100M	0	10	cm	Pyrene	10,000	J	µg/kg
S-35	11/14/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	18,000	U	µg/kg
S-36	11/14/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	15,000	U	µg/kg
S-35	11/14/96	EPA8100M	0	10	cm	Phenanthrene	16,000	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-36	11/14/96	EPA8100M	0	10	cm	Pyrene	15,000	U	µg/kg
S-36	11/14/96	EPA8100M	0	10	cm	Naphthalene	15,000	U	µg/kg
S-36	11/14/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	15,000	U	µg/kg
S-36	11/14/96	EPA8100M	0	10	cm	Fluorene	15,000	U	µg/kg
S-36	11/14/96	EPA8100M	0	10	cm	Fluoranthene	10,000	J	µg/kg
S-36	11/14/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	15,000	U	µg/kg
S-36	11/14/96	EPA8100M	0	10	cm	Benzo(a)pyrene	15,000	U	µg/kg
S-36	11/14/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	15,000	U	µg/kg
S-36	11/14/96	EPA8100M	0	10	cm	Anthracene	15,000	U	µg/kg
S-36	11/14/96	EPA8100M	0	10	cm	Acenaphthene	15,000	U	µg/kg
S-36	11/14/96	EPA8100M	0	10	cm	Acenaphthylene	15,000	U	µg/kg
S-36	11/14/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	15,000	U	µg/kg
S-37	11/14/96	EPA8100M	0	10	cm	Naphthalene	19,000	U	µg/kg
S-37	11/14/96	EPA8100M	0	10	cm	Phenanthrene	19,000	U	µg/kg
S-37	11/14/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	19,000	U	µg/kg
S-37	11/14/96	EPA8100M	0	10	cm	Fluorene	19,000	U	µg/kg
S-37	11/14/96	EPA8100M	0	10	cm	Fluoranthene	19,000	U	µg/kg
S-37	11/14/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	19,000	U	µg/kg
S-37	11/14/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	19,000	U	µg/kg
S-37	11/14/96	EPA8100M	0	10	cm	Benzo(a)pyrene	19,000	U	µg/kg
S-37	11/14/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	19,000	U	µg/kg
S-37	11/14/96	EPA8100M	0	10	cm	Anthracene	19,000	U	µg/kg
S-37	11/14/96	EPA8100M	0	10	cm	Acenaphthylene	19,000	U	µg/kg
S-37	11/14/96	EPA8100M	0	10	cm	Acenaphthene	19,000	U	µg/kg
S-37	11/14/96	EPA8100M	0	10	cm	Pyrene	19,000	U	µg/kg
S-37	11/14/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	19,000	U	µg/kg
S-38	11/15/96	EPA8270	0	10	cm	Anthracene	250		µg/kg
S-38	11/15/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	700		µg/kg
S-38	11/15/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	1,200		µg/kg
S-38	11/15/96	EPA8270	0	10	cm	Benzo(a)pyrene	1,100		µg/kg
S-38	11/15/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	1,000		µg/kg
S-38	11/15/96	EPA8270	0	10	cm	Pyrene	625		µg/kg
S-38	11/15/96	EPA8270	0	10	cm	Fluorene	95	U	µg/kg
S-38	11/15/96	EPA8270	0	10	cm	Benzo(a)anthracene	870		µg/kg
S-38	11/15/96	EPA8270	0	10	cm	Chrysene	1,200		µg/kg
S-38	11/15/96	EPA8270	0	10	cm	d10-2-Methylnaphthale			%
S-38	11/15/96	EPA8270	0	10	cm	d14-Dibenz(a,h)anthra			%
S-38	11/15/96	EPA8270	0	10	cm	Fluoranthene	760		µg/kg
S-38	11/15/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	830		µg/kg
S-38	11/15/96	EPA8270	0	10	cm	Naphthalene	95	U	µg/kg
S-38	11/15/96	EPA8270	0	10	cm	Phenanthrene	250		µg/kg
S-38	11/15/96	EPA8270	0	10	cm	2-Methylnaphthalene	95	U	µg/kg
S-38	11/15/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	290		µg/kg
S-38	11/15/96	EPA8270	0	10	cm	Acenaphthene	85	U	µg/kg
S-38	11/15/96	EPA8270	0	10	cm	Acenaphthylene	85	U	µg/kg
S-38	11/15/96	EPA8100M	0	10	cm	Acenaphthene	19,000	U	µg/kg
S-38	11/15/96	EPA8100M	0	10	cm	Acenaphthylene	19,000	U	µg/kg
S-38	11/15/96	EPA8100M	0	10	cm	Anthracene	19,000	U	µg/kg
S-38	11/15/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	19,000	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-38	11/15/96	EPA8100M	0	10	cm	Benzo(a)pyrene	19,000	U	µg/kg
S-38	11/15/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	19,000	U	µg/kg
S-38	11/15/96	EPA8100M	0	10	cm	Pyrene	19,000	U	µg/kg
S-38	11/15/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	19,000	U	µg/kg
S-38	11/15/96	EPA8100M	0	10	cm	Fluoranthene	19,000	U	µg/kg
S-38	11/15/96	EPA8100M	0	10	cm	Fluorene	19,000	U	µg/kg
S-38	11/15/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	19,000	U	µg/kg
S-38	11/15/96	EPA8100M	0	10	cm	Naphthalene	19,000	U	µg/kg
S-38	11/15/96	EPA8100M	0	10	cm	Phenanthrene	19,000	U	µg/kg
S-38	11/15/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	19,000	U	µg/kg
S-39	11/14/96	EPA8270	0	10	cm	d10-2-Methylnaphthale			%
S-39	11/14/96	EPA8270	0	10	cm	Chrysene	74		µg/kg
S-39	11/14/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	100		µg/kg
S-39	11/14/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	64		µg/kg
S-39	11/14/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-39	11/14/96	EPA8270	0	10	cm	Benzo(a)pyrene	110		µg/kg
S-39	11/14/96	EPA8270	0	10	cm	Naphthalene	13	U	µg/kg
S-39	11/14/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	110		µg/kg
S-39	11/14/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	26		µg/kg
S-39	11/14/96	EPA8270	0	10	cm	Fluoranthene	75		µg/kg
S-39	11/14/96	EPA8270	0	10	cm	Pyrene	86		µg/kg
S-39	11/14/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	82		µg/kg
S-39	11/14/96	EPA8270	0	10	cm	Phenanthrene	14		µg/kg
S-39	11/14/96	EPA8270	0	10	cm	Anthracene	13	U	µg/kg
S-39	11/14/96	EPA8270	0	10	cm	Acenaphthylene	13	U	µg/kg
S-39	11/14/96	EPA8270	0	10	cm	Fluorene	13	U	µg/kg
S-39	11/14/96	EPA8100M	0	10	cm	Acenaphthylene	7,800	U	µg/kg
S-39	11/14/96	EPA8270	0	10	cm	Benzo(a)anthracene	46		µg/kg
S-39	11/14/96	EPA8100M	0	10	cm	Acenaphthene	7,800	U	µg/kg
S-39	11/14/96	EPA8100M	0	10	cm	Anthracene	7,800	U	µg/kg
S-39	11/14/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	7,800	U	µg/kg
S-39	11/14/96	EPA8100M	0	10	cm	Benzo(a)pyrene	7,800	U	µg/kg
S-39	11/14/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	7,800	U	µg/kg
S-39	11/14/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	7,800	U	µg/kg
S-39	11/14/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	7,800	U	µg/kg
S-39	11/14/96	EPA8270	0	10	cm	Acenaphthene	13	U	µg/kg
S-39	11/14/96	EPA8100M	0	10	cm	Fluorene	7,800	U	µg/kg
S-39	11/14/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	7,800	U	µg/kg
S-39	11/14/96	EPA8100M	0	10	cm	Naphthalene	7,800	U	µg/kg
S-39	11/14/96	EPA8100M	0	10	cm	Phenanthrene	7,800	U	µg/kg
S-39	11/14/96	EPA8100M	0	10	cm	Pyrene	7,800	U	µg/kg
S-39	11/14/96	EPA8270	0	10	cm	2-Methylnaphthalene	13	U	µg/kg
S-39	11/14/96	EPA8100M	0	10	cm	Fluoranthene	7,800	U	µg/kg
S-40	11/14/96	EPA8270	0	10	cm	Chrysene	1,000		µg/kg
S-40	11/14/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	950		µg/kg
S-40	11/14/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	720		µg/kg
S-40	11/14/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	1,200		µg/kg
S-40	11/14/96	EPA8270	0	10	cm	d10-2-Methylnaphthale			%
S-40	11/14/96	EPA8270	0	10	cm	Benzo(a)anthracene	610		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-40	11/14/96	EPA8270	0	10	cm	Naphthalene	84	U	µg/kg
S-40	11/14/96	EPA8270	0	10	cm	Benzo(a)pyrene	1,200		µg/kg
S-40	11/14/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-40	11/14/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	280		µg/kg
S-40	11/14/96	EPA8270	0	10	cm	Fluoranthene	750		µg/kg
S-40	11/14/96	EPA8270	0	10	cm	Pyrene	670		µg/kg
S-40	11/14/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	670		µg/kg
S-40	11/14/96	EPA8270	0	10	cm	Phenanthrene	410		µg/kg
S-40	11/14/96	EPA8270	0	10	cm	Anthracene	170		µg/kg
S-40	11/14/96	EPA8100M	0	10	cm	Pyrene	17,000	U	µg/kg
S-40	11/14/96	EPA8270	0	10	cm	Fluorene	84	U	µg/kg
S-40	11/14/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	17,000	U	µg/kg
S-40	11/14/96	EPA8270	0	10	cm	Acenaphthylene	84	U	µg/kg
S-40	11/14/96	EPA8100M	0	10	cm	Acenaphthylene	17,000	U	µg/kg
S-40	11/14/96	EPA8100M	0	10	cm	Anthracene	17,000	U	µg/kg
S-40	11/14/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	17,000	U	µg/kg
S-40	11/14/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	17,000	U	µg/kg
S-40	11/14/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	17,000	U	µg/kg
S-40	11/14/96	EPA8100M	0	10	cm	Fluoranthene	17,000	U	µg/kg
S-40	11/14/96	EPA8100M	0	10	cm	Fluorene	17,000	U	µg/kg
S-40	11/14/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	17,000	U	µg/kg
S-40	11/14/96	EPA8100M	0	10	cm	Naphthalene	17,000	U	µg/kg
S-40	11/14/96	EPA8100M	0	10	cm	Phenanthrene	17,000	U	µg/kg
S-40	11/14/96	EPA8270	0	10	cm	Acenaphthene	84	U	µg/kg
S-40	11/14/96	EPA8270	0	10	cm	2-Methylnaphthalene	84	U	µg/kg
S-40	11/14/96	EPA8100M	0	10	cm	Acenaphthene	17,000	U	µg/kg
S-40	11/14/96	EPA8100M	0	10	cm	Benzo(a)pyrene	17,000	U	µg/kg
S-41	11/13/96	EPA8100M	0	10	cm	Acenaphthylene	13,000	U	µg/kg
S-41	11/13/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	13,000	U	µg/kg
S-41	11/13/96	EPA8100M	0	10	cm	Phenanthrene	13,000	U	µg/kg
S-41	11/13/96	EPA8100M	0	10	cm	Naphthalene	13,000	U	µg/kg
S-41	11/13/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	13,000	U	µg/kg
S-41	11/13/96	EPA8100M	0	10	cm	Fluorene	13,000	U	µg/kg
S-41	11/13/96	EPA8100M	0	10	cm	Fluoranthene	13,000	U	µg/kg
S-41	11/13/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	13,000	U	µg/kg
S-41	11/13/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	13,000	U	µg/kg
S-41	11/13/96	EPA8100M	0	10	cm	Benzo(a)pyrene	13,000	U	µg/kg
S-41	11/13/96	EPA8100M	0	10	cm	Anthracene	13,000	U	µg/kg
S-41	11/13/96	EPA8100M	0	10	cm	Pyrene	13,000	U	µg/kg
S-41	11/13/96	EPA8100M	0	10	cm	Acenaphthene	13,000	U	µg/kg
S-41	11/13/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	13,000	U	µg/kg
S-42	11/14/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	6,600	U	µg/kg
S-42	11/14/96	EPA8100M	0	10	cm	Phenanthrene	6,600	U	µg/kg
S-42	11/14/96	EPA8100M	0	10	cm	Pyrene	31,000		µg/kg
S-42	11/14/96	EPA8100M	0	10	cm	Naphthalene	6,600	U	µg/kg
S-42	11/14/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	6,600	U	µg/kg
S-42	11/14/96	EPA8100M	0	10	cm	Fluorene	6,600	U	µg/kg
S-42	11/14/96	EPA8100M	0	10	cm	Fluoranthene	6,600	U	µg/kg
S-42	11/14/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	6,600	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-42	11/14/96	EPA8100M	0	10	cm	Benzo(a)pyrene	6,600	U	µg/kg
S-42	11/14/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	6,600	U	µg/kg
S-42	11/14/96	EPA8100M	0	10	cm	Anthracene	6,600	U	µg/kg
S-42	11/14/96	EPA8100M	0	10	cm	Acenaphthene	6,600	U	µg/kg
S-42	11/14/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	6,600	U	µg/kg
S-42	11/14/96	EPA8100M	0	10	cm	Acenaphthylene	6,600	U	µg/kg
S-44	11/15/96	EPA8270	0	10	cm	Fluorene	71		µg/kg
S-44	11/15/96	EPA8270	0	10	cm	Anthracene	250		µg/kg
S-44	11/15/96	EPA8270	0	10	cm	Benzo(a)anthracene	1,200		µg/kg
S-44	11/15/96	EPA8270	0	10	cm	Benzo(a)pyrene	1,200		µg/kg
S-44	11/15/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	1,300		µg/kg
S-44	11/15/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	540		µg/kg
S-44	11/15/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	1,300		µg/kg
S-44	11/15/96	EPA8270	0	10	cm	Chrysene	1,600		µg/kg
S-44	11/15/96	EPA8270	0	10	cm	d10-2-Methylnaphthale			%
S-44	11/15/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-44	11/15/96	EPA8270	0	10	cm	Fluoranthene	1,500		µg/kg
S-44	11/15/96	EPA8270	0	10	cm	Pyrene	1,100		µg/kg
S-44	11/15/96	EPA8270	0	10	cm	Naphthalene	47	U	µg/kg
S-44	11/15/96	EPA8270	0	10	cm	Acenaphthylene	47	U	µg/kg
S-44	11/15/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	760		µg/kg
S-44	11/15/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	260		µg/kg
S-44	11/15/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	9,400	U	µg/kg
S-44	11/15/96	EPA8270	0	10	cm	Phenanthrene	470		µg/kg
S-44	11/15/96	EPA8100M	0	10	cm	Acenaphthene	9,400	U	µg/kg
S-44	11/15/96	EPA8100M	0	10	cm	Anthracene	9,400	U	µg/kg
S-44	11/15/96	EPA8270	0	10	cm	Acenaphthene	110		µg/kg
S-44	11/15/96	EPA8100M	0	10	cm	Benzo(a)pyrene	9,400	U	µg/kg
S-44	11/15/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	9,400	U	µg/kg
S-44	11/15/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	9,400	U	µg/kg
S-44	11/15/96	EPA8270	0	10	cm	2-Methylnaphthalene	47	U	µg/kg
S-44	11/15/96	EPA8100M	0	10	cm	Fluoranthene	9,400	U	µg/kg
S-44	11/15/96	EPA8100M	0	10	cm	Fluorene	9,400	U	µg/kg
S-44	11/15/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	9,400	U	µg/kg
S-44	11/15/96	EPA8100M	0	10	cm	Naphthalene	9,400	U	µg/kg
S-44	11/15/96	EPA8100M	0	10	cm	Phenanthrene	9,400	U	µg/kg
S-44	11/15/96	EPA8100M	0	10	cm	Pyrene	9,400	U	µg/kg
S-44	11/15/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	9,400	U	µg/kg
S-44	11/15/96	EPA8100M	0	10	cm	Acenaphthylene	9,400	U	µg/kg
S-45	11/15/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	6,400		µg/kg
S-45	11/15/96	EPA8270	0	10	cm	Benzo(a)pyrene	4,200		µg/kg
S-45	11/15/96	EPA8270	0	10	cm	Benzo(a)anthracene	5,300		µg/kg
S-45	11/15/96	EPA8270	0	10	cm	Anthracene	1,000		µg/kg
S-45	11/15/96	EPA8270	0	10	cm	Acenaphthylene	88	U	µg/kg
S-45	11/15/96	EPA8270	0	10	cm	Acenaphthene	2,800		µg/kg
S-45	11/15/96	EPA8270	0	10	cm	2-Methylnaphthalene	88	U	µg/kg
S-45	11/15/96	EPA8100M	0	10	cm	Phenanthrene	19,000	U	µg/kg
S-45	11/15/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	1,300		µg/kg
S-45	11/15/96	EPA8100M	0	10	cm	Pyrene	19,000	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-45	11/15/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	3,300		µg/kg
S-45	11/15/96	EPA8270	0	10	cm	Chrysene	4,400		µg/kg
S-45	11/15/96	EPA8270	0	10	cm	d10-2-Methylnaphthalene			%
S-45	11/15/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthrac			%
S-45	11/15/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	760		µg/kg
S-45	11/15/96	EPA8270	0	10	cm	Fluoranthene	6,300		µg/kg
S-45	11/15/96	EPA8270	0	10	cm	Fluorene	1,500		µg/kg
S-45	11/15/96	EPA8100M	0	10	cm	Naphthalene	18,000	U	µg/kg
S-45	11/15/96	EPA8270	0	10	cm	Phenanthrene	2,400		µg/kg
S-45	11/15/96	EPA8270	0	10	cm	Naphthalene	88	U	µg/kg
S-45	11/15/96	EPA8270	0	10	cm	Pyrene	5,000		µg/kg
S-45	11/15/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	2,000		µg/kg
S-45	11/15/96	EPA8100M	0	10	cm	Fluoranthene	18,000	U	µg/kg
S-45	11/15/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	18,000	U	µg/kg
S-45	11/15/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	18,000	U	µg/kg
S-45	11/15/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	18,000	U	µg/kg
S-45	11/15/96	EPA8100M	0	10	cm	Anthracene	18,000	U	µg/kg
S-45	11/15/96	EPA8100M	0	10	cm	Benzo(a)pyrene	18,000	U	µg/kg
S-45	11/15/96	EPA8100M	0	10	cm	Acenaphthylene	18,000	U	µg/kg
S-45	11/15/96	EPA8100M	0	10	cm	Acenaphthene	18,000	U	µg/kg
S-45	11/15/96	EPA8100M	0	10	cm	Fluorene	18,000	U	µg/kg
S-45	11/15/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	18,000	U	µg/kg
S-45	11/15/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	18,000	U	µg/kg
S-45	11/15/96	EPA8270	10	20	cm	Chrysene	43,000		µg/kg
S-45	11/15/96	EPA8100M	10	20	cm	Benzo(a)pyrene	12,000	U	µg/kg
S-45	11/15/96	EPA8270	10	20	cm	Naphthalene	290		µg/kg
S-45	11/15/96	EPA8100M	10	20	cm	Benzo(a)anthracene/Ch	12,000	U	µg/kg
S-45	11/15/96	EPA8270	10	20	cm	Dibenz(a,h)anthracene	4,000		µg/kg
S-45	11/15/96	EPA8100M	10	20	cm	Acenaphthene	12,000	U	µg/kg
S-45	11/15/96	EPA8100M	10	20	cm	Anthracene	12,000	U	µg/kg
S-45	11/15/96	EPA8270	10	20	cm	Pyrene	140,000		µg/kg
S-45	11/15/96	EPA8270	10	20	cm	Phenanthrene	100,000		µg/kg
S-45	11/15/96	EPA8270	10	20	cm	Fluoranthene	160,000		µg/kg
S-45	11/15/96	EPA8270	10	20	cm	Indeno(1,2,3-cd)pyrene	7,000		µg/kg
S-45	11/15/96	EPA8100M	10	20	cm	Acenaphthylene	12,000	U	µg/kg
S-45	11/15/96	EPA8100M	10	20	cm	Naphthalene	12,000	U	µg/kg
S-45	11/15/96	EPA8100M	10	20	cm	Fluoranthene	120,000		µg/kg
S-45	11/15/96	EPA8100M	10	20	cm	Phenanthrene	57,000		µg/kg
S-45	11/15/96	EPA8100M	10	20	cm	Indeno(1,2,3-cd)pyrene	12,000	U	µg/kg
S-45	11/15/96	EPA8270	10	20	cm	Fluorene	12,000		µg/kg
S-45	11/15/96	EPA8270	10	20	cm	Benzo(k)fluoranthene	39,000		µg/kg
S-45	11/15/96	EPA8100M	10	20	cm	Pyrene	56,000		µg/kg
S-45	11/15/96	EPA8250	10	20	cm	Naphthalene	14	U	µg/kg
S-45	11/15/96	EPA8270	10	20	cm	2-Methylnaphthalene	460		µg/kg
S-45	11/15/96	EPA8270	10	20	cm	Acenaphthene	12,000		µg/kg
S-45	11/15/96	EPA8270	10	20	cm	Acenaphthylene	420		µg/kg
S-45	11/15/96	EPA8270	10	20	cm	Benzo(a)pyrene	31,000		µg/kg
S-45	11/15/96	EPA8100M	10	20	cm	Benzo(b,k)fluoranthene	12,000	U	µg/kg
S-45	11/15/96	EPA8270	10	20	cm	Benzo(g,h,i)perylene	5,600		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-45	11/15/96	EPA8270	10	20	cm	Benzo(b)fluoranthene	33,000		µg/kg
S-45	11/15/96	EPA8100M	10	20	cm	Fluorene	12,000	U	µg/kg
S-45	11/15/96	EPA8100M	10	20	cm	Benzo(g,h,i)perylene	12,000	U	µg/kg
S-45	11/15/96	EPA8270	10	20	cm	Benzo(a)anthracene	60,000		µg/kg
S-45	11/15/96	EPA8100M	10	20	cm	Dibenz(a,h)anthracene	12,000	U	µg/kg
S-45	11/15/96	EPA8270	10	20	cm	Anthracene	14,000		µg/kg
S-46	11/14/96	EPA8270	0	10	cm	2-Methylnaphthalene	97	U	µg/kg
S-46	11/14/96	EPA8100M	0	10	cm	Pyrene	18,000	U	µg/kg
S-46	11/14/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	3,700		µg/kg
S-46	11/14/96	EPA8270	0	10	cm	Acenaphthylene	97	U	µg/kg
S-46	11/14/96	EPA8270	0	10	cm	Naphthalene	97	U	µg/kg
S-46	11/14/96	EPA8270	0	10	cm	Anthracene	2,500		µg/kg
S-46	11/14/96	EPA8100M	0	10	cm	Phenanthrene	19,000	U	µg/kg
S-46	11/14/96	EPA8270	0	10	cm	Benzo(a)anthracene	4,600		µg/kg
S-46	11/14/96	EPA8270	0	10	cm	Benzo(a)pyrene	3,000		µg/kg
S-46	11/14/96	EPA8270	0	10	cm	Acenaphthene	120		µg/kg
S-46	11/14/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	1,200		µg/kg
S-46	11/14/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	2,600		µg/kg
S-46	11/14/96	EPA8270	0	10	cm	Chrysene	6,300		µg/kg
S-46	11/14/96	EPA8270	0	10	cm	d10-2-Methylnaphthale			%
S-46	11/14/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-46	11/14/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	580		µg/kg
S-46	11/14/96	EPA8270	0	10	cm	Fluoranthene	3,500		µg/kg
S-46	11/14/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	1,600		µg/kg
S-46	11/14/96	EPA8270	0	10	cm	Phenanthrene	1,200		µg/kg
S-46	11/14/96	EPA8270	0	10	cm	Pyrene	2,900		µg/kg
S-46	11/14/96	EPA8100M	0	10	cm	Naphthalene	19,000	U	µg/kg
S-46	11/14/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	19,000	U	µg/kg
S-46	11/14/96	EPA8270	0	10	cm	Fluorene	240		µg/kg
S-46	11/14/96	EPA8100M	0	10	cm	Fluoranthene	19,000	U	µg/kg
S-46	11/14/96	EPA8100M	0	10	cm	Benzo(a)pyrene	19,000	U	µg/kg
S-46	11/14/96	EPA8100M	0	10	cm	Anthracene	19,000	U	µg/kg
S-46	11/14/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	19,000	U	µg/kg
S-46	11/14/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	19,000	U	µg/kg
S-46	11/14/96	EPA8100M	0	10	cm	Acenaphthylene	19,000	U	µg/kg
S-46	11/14/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	19,000	U	µg/kg
S-46	11/14/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	19,000	U	µg/kg
S-46	11/14/96	EPA8100M	0	10	cm	Fluorene	19,000	U	µg/kg
S-46	11/14/96	EPA8100M	0	10	cm	Acenaphthene	19,000	U	µg/kg
S-46	11/14/96	EPA8270	10	20	cm	Fluoranthene	84,000		µg/kg
S-46	11/14/96	EPA8100M	10	20	cm	Dibenz(a,h)anthracene	9,500	U	µg/kg
S-46	11/14/96	EPA8100M	10	20	cm	Benzo(a)anthracene/Ch	12,000		µg/kg
S-46	11/14/96	EPA8270	10	20	cm	Pyrene	78,000		µg/kg
S-46	11/14/96	EPA8270	10	20	cm	Phenanthrene	64,000		µg/kg
S-46	11/14/96	EPA8270	10	20	cm	Fluorene	5,000		µg/kg
S-46	11/14/96	EPA8100M	10	20	cm	Anthracene	9,500	U	µg/kg
S-46	11/14/96	EPA8100M	10	20	cm	Acenaphthene	9,500	U	µg/kg
S-46	11/14/96	EPA8100M	10	20	cm	Benzo(a)pyrene	9,500	U	µg/kg
S-46	11/14/96	EPA8270	10	20	cm	Naphthalene	400		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-46	11/14/96	EPA8100M	10	20	cm	Acenaphthylene	9,500	U	µg/kg
S-46	11/14/96	EPA8270	10	20	cm	Indeno(1,2,3-cd)pyrene	3,600		µg/kg
S-46	11/14/96	EPA8270	10	20	cm	Dibenz(a,h)anthracene	1,600		µg/kg
S-46	11/14/96	EPA8100M	10	20	cm	Fluorene	9,500	U	µg/kg
S-46	11/14/96	EPA8100M	10	20	cm	Phenanthrene	36,000		µg/kg
S-46	11/14/96	EPA8100M	10	20	cm	Indeno(1,2,3-cd)pyrene	9,500	U	µg/kg
S-46	11/14/96	EPA8270	10	20	cm	Chrysene	13,000		µg/kg
S-46	11/14/96	EPA8270	10	20	cm	2-Methylnaphthalene	220		µg/kg
S-46	11/14/96	EPA8100M	10	20	cm	Naphthalene	9,500	U	µg/kg
S-46	11/14/96	EPA8270	10	20	cm	Acenaphthene	4,200		µg/kg
S-46	11/14/96	EPA8100M	10	20	cm	Fluoranthene	38,000		µg/kg
S-46	11/14/96	EPA8270	10	20	cm	Acenaphthylene	160	U	µg/kg
S-46	11/14/96	EPA8270	10	20	cm	Benzo(k)fluoranthene	10,000		µg/kg
S-46	11/14/96	EPA8270	10	20	cm	Benzo(a)anthracene	24,000		µg/kg
S-46	11/14/96	EPA8100M	10	20	cm	Benzo(g,h,i)perylene	9,500	U	µg/kg
S-46	11/14/96	EPA8270	10	20	cm	Benzo(a)pyrene	11,000		µg/kg
S-46	11/14/96	EPA8270	10	20	cm	Benzo(b)fluoranthene	17,000		µg/kg
S-46	11/14/96	EPA8100M	10	20	cm	Benzo(b,k)fluoranthene	9,500	U	µg/kg
S-46	11/14/96	EPA8270	10	20	cm	Benzo(g,h,i)perylene	3,300		µg/kg
S-46	11/14/96	EPA8270	10	20	cm	Anthracene	8,200		µg/kg
S-46	11/14/96	EPA8100M	10	20	cm	Pyrene	20,000		µg/kg
S-46B-D	11/14/96	EPA8100M	10	20	cm	Benzo(g,h,i)perylene	9,700	U	µg/kg
S-46B-D	11/14/96	EPA8100M	10	20	cm	Benzo(b+k)fluoranthen	9,700	U	µg/kg
S-46B-D	11/14/96	EPA8100M	10	20	cm	Benzo(a)pyrene	9,700	U	µg/kg
S-46B-D	11/14/96	EPA8100M	10	20	cm	Benzo(a)anthracene/Ch	47,000		µg/kg
S-46B-D	11/14/96	EPA8100M	10	20	cm	Anthracene	9,700	U	µg/kg
S-46B-D	11/14/96	EPA8100M	10	20	cm	Acenaphthylene	9,700	U	µg/kg
S-46B-D	11/14/96	EPA8100M	10	20	cm	Fluorene	9,700	U	µg/kg
S-46B-D	11/14/96	EPA8100M	10	20	cm	Acenaphthene	9,700	U	µg/kg
S-46B-D	11/14/96	EPA8270	10	20	cm	Indeno(1,2,3-cd)pyrene	6,200		µg/kg
S-46B-D	11/14/96	EPA8100M	10	20	cm	Fluoranthene	84,000		µg/kg
S-46B-D	11/14/96	EPA8270	10	20	cm	Pyrene	97,000	E	µg/kg
S-46B-D	11/14/96	EPA8270	10	20	cm	Naphthalene	270		µg/kg
S-46B-D	11/14/96	EPA8270	10	20	cm	Fluorene	9,100		µg/kg
S-46B-D	11/14/96	EPA8270	10	20	cm	Fluoranthene	70,000	E	µg/kg
S-46B-D	11/14/96	EPA8270	10	20	cm	Dibenz(a,h)anthracene	3,600		µg/kg
S-46B-D	11/14/96	EPA8270	10	20	cm	Chrysene	30,000	E	µg/kg
S-46B-D	11/14/96	EPA8270	10	20	cm	Benzo(k)fluoranthene	16,000	E	µg/kg
S-46B-D	11/14/96	EPA8270	10	20	cm	Benzo(g,h,i)perylene	5,500		µg/kg
S-46B-D	11/14/96	EPA8270	10	20	cm	Benzo(b)fluoranthene	24,000	E	µg/kg
S-46B-D	11/14/96	EPA8100M	10	20	cm	Naphthalene	9,700	U	µg/kg
S-46B-D	11/14/96	EPA8270	10	20	cm	Phenanthrene	51,000	E	µg/kg
S-46B-D	11/14/96	EPA8270	10	20	cm	Benzo(a)pyrene	16,000	E	µg/kg
S-46B-D	11/14/96	EPA8100M	10	20	cm	Dibenz(a,h)anthracene	9,700	U	µg/kg
S-46B-D	11/14/96	EPA8100M	10	20	cm	Indeno(1,2,3-cd)pyrene	9,700	U	µg/kg
S-46B-D	11/14/96	EPA8100M	10	20	cm	Phenanthrene	56,000		µg/kg
S-46B-D	11/14/96	EPA8100M	10	20	cm	Pyrene	9,700	U	µg/kg
S-46B-D	11/14/96	EPA8270	10	20	cm	2-Methylnaphthalene	160	U	µg/kg
S-46B-D	11/14/96	EPA8270	10	20	cm	Acenaphthene	5,000		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-46B-D	11/14/96	EPA8270	10	20	cm	Acenaphthylene	160	U	µg/kg
S-46B-D	11/14/96	EPA8270	10	20	cm	Anthracene	13,000		µg/kg
S-46B-D	11/14/96	EPA8270	10	20	cm	Benzo(a)anthracene	36,000	E	µg/kg
S-47	11/14/96	EPA8270	0	10	cm	Benzo(a)anthracene	1,300		µg/kg
S-47	11/14/96	EPA8270	0	10	cm	Pyrene	1,500		µg/kg
S-47	11/14/96	EPA8270	0	10	cm	d10-2-Methylnaphthale			%
S-47	11/14/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	2,200		µg/kg
S-47	11/14/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	1,400		µg/kg
S-47	11/14/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	1,600		µg/kg
S-47	11/14/96	EPA8270	0	10	cm	Chrysene	1,700		µg/kg
S-47	11/14/96	EPA8270	0	10	cm	Benzo(a)pyrene	2,100		µg/kg
S-47	11/14/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-47	11/14/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	500		µg/kg
S-47	11/14/96	EPA8270	0	10	cm	Fluoranthene	1,900		µg/kg
S-47	11/14/96	EPA8270	0	10	cm	Fluorene	86		µg/kg
S-47	11/14/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	1,600		µg/kg
S-47	11/14/96	EPA8270	0	10	cm	Phenanthrene	390		µg/kg
S-47	11/14/96	EPA8270	0	10	cm	Anthracene	260		µg/kg
S-47	11/14/96	EPA8100M	0	10	cm	Naphthalene	17,000	U	µg/kg
S-47	11/14/96	EPA8270	0	10	cm	Naphthalene	86	U	µg/kg
S-47	11/14/96	EPA8100M	0	10	cm	Anthracene	17,000	U	µg/kg
S-47	11/14/96	EPA8100M	0	10	cm	Pyrene	17,000	U	µg/kg
S-47	11/14/96	EPA8100M	0	10	cm	Acenaphthylene	17,000	U	µg/kg
S-47	11/14/96	EPA8270	0	10	cm	Acenaphthylene	86	U	µg/kg
S-47	11/14/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	17,000	U	µg/kg
S-47	11/14/96	EPA8100M	0	10	cm	Benzo(a)pyrene	17,000	U	µg/kg
S-47	11/14/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	17,000	U	µg/kg
S-47	11/14/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	17,000	U	µg/kg
S-47	11/14/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	17,000	U	µg/kg
S-47	11/14/96	EPA8100M	0	10	cm	Fluorene	17,000	U	µg/kg
S-47	11/14/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	17,000	U	µg/kg
S-47	11/14/96	EPA8100M	0	10	cm	Phenanthrene	17,000	U	µg/kg
S-47	11/14/96	EPA8270	0	10	cm	2-Methylnaphthalene	86	U	µg/kg
S-47	11/14/96	EPA8270	0	10	cm	Acenaphthene	86	U	µg/kg
S-47	11/14/96	EPA8100M	0	10	cm	Fluoranthene	17,000	U	µg/kg
S-47	11/14/96	EPA8100M	0	10	cm	Acenaphthene	17,000	U	µg/kg
S-48	11/14/96	EPA8270	0	10	cm	Naphthalene	170	U	µg/kg
S-48	11/14/96	EPA8270	0	10	cm	Benzo(a)anthracene	1,500		µg/kg
S-48	11/14/96	EPA8270	0	10	cm	Benzo(a)pyrene	4,700		µg/kg
S-48	11/14/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	4,500		µg/kg
S-48	11/14/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	2,600		µg/kg
S-48	11/14/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	3,800		µg/kg
S-48	11/14/96	EPA8270	0	10	cm	Chrysene	3,200		µg/kg
S-48	11/14/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	1,100		µg/kg
S-48	11/14/96	EPA8270	0	10	cm	Fluoranthene	610		µg/kg
S-48	11/14/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	2,200		µg/kg
S-48	11/14/96	EPA8270	0	10	cm	Phenanthrene	380		µg/kg
S-48	11/14/96	EPA8270	0	10	cm	Pyrene	1,100		µg/kg
S-48	11/14/96	EPA8270	0	10	cm	Anthracene	170	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-48	11/14/96	EPA8270	0	10	cm	2-Methylnaphthalene	170	U	µg/kg
S-48	11/14/96	EPA8270	0	10	cm	Fluorene	170	U	µg/kg
S-48	11/14/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	10,000	U	µg/kg
S-48	11/14/96	EPA8270	0	10	cm	Acenaphthylene	170	U	µg/kg
S-48	11/14/96	EPA8270	0	10	cm	Acenaphthene	170	U	µg/kg
S-48	11/14/96	EPA8100M	0	10	cm	Anthracene	10,000	U	µg/kg
S-48	11/14/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	10,000	U	µg/kg
S-48	11/14/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	10,000	U	µg/kg
S-48	11/14/96	EPA8100M	0	10	cm	Acenaphthylene	10,000	U	µg/kg
S-48	11/14/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	10,000	U	µg/kg
S-48	11/14/96	EPA8100M	0	10	cm	Fluoranthene	10,000	U	µg/kg
S-48	11/14/96	EPA8100M	0	10	cm	Fluorene	10,000	U	µg/kg
S-48	11/14/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	10,000	U	µg/kg
S-48	11/14/96	EPA8100M	0	10	cm	Naphthalene	10,000	U	µg/kg
S-48	11/14/96	EPA8100M	0	10	cm	Phenanthrene	10,000	U	µg/kg
S-48	11/14/96	EPA8100M	0	10	cm	Pyrene	10,000	U	µg/kg
S-48	11/14/96	EPA8100M	0	10	cm	Acenaphthene	10,000	U	µg/kg
S-48	11/14/96	EPA8100M	0	10	cm	Benzo(a)pyrene	10,000	U	µg/kg
S-49	11/16/96	EPA8270	0	10	cm	d10-2-Methylnaphthale			%
S-49	11/16/96	EPA8270	0	10	cm	Anthracene	110		µg/kg
S-49	11/16/96	EPA8270	0	10	cm	Benzo(a)pyrene	1,600		µg/kg
S-49	11/16/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	1,500		µg/kg
S-49	11/16/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	790		µg/kg
S-49	11/16/96	EPA8270	0	10	cm	Chrysene	1,600		µg/kg
S-49	11/16/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-49	11/16/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	360		µg/kg
S-49	11/16/96	EPA8270	0	10	cm	Fluoranthene	540		µg/kg
S-49	11/16/96	EPA8270	0	10	cm	Fluorene	95		µg/kg
S-49	11/16/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	1,200		µg/kg
S-49	11/16/96	EPA8270	0	10	cm	Acenaphthylene	58		µg/kg
S-49	11/16/96	EPA8270	0	10	cm	Phenanthrene	280		µg/kg
S-49	11/16/96	EPA8270	0	10	cm	Benzo(a)anthracene	720		µg/kg
S-49	11/16/96	EPA8270	0	10	cm	Pyrene	620		µg/kg
S-49	11/16/96	EPA8270	0	10	cm	Naphthalene	1,100		µg/kg
S-49	11/16/96	EPA8100M	0	10	cm	Anthracene	11,000	U	µg/kg
S-49	11/16/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	1,800		µg/kg
S-49	11/16/96	EPA8270	0	10	cm	Acenaphthene	190		µg/kg
S-49	11/16/96	EPA8100M	0	10	cm	Acenaphthylene	11,000	U	µg/kg
S-49	11/16/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	11,000	U	µg/kg
S-49	11/16/96	EPA8100M	0	10	cm	Benzo(a)pyrene	11,000	U	µg/kg
S-49	11/16/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	11,000	U	µg/kg
S-49	11/16/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	11,000	U	µg/kg
S-49	11/16/96	EPA8100M	0	10	cm	Pyrene	11,000	U	µg/kg
S-49	11/16/96	EPA8100M	0	10	cm	Fluoranthene	11,000	U	µg/kg
S-49	11/16/96	EPA8100M	0	10	cm	Fluorene	11,000	U	µg/kg
S-49	11/16/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	11,000	U	µg/kg
S-49	11/16/96	EPA8100M	0	10	cm	Naphthalene	11,000	U	µg/kg
S-49	11/16/96	EPA8100M	0	10	cm	Phenanthrene	11,000	U	µg/kg
S-49	11/16/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	11,000	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-49	11/15/96	EPA8100M	0	10	cm	Acenaphthene	11,000	U	µg/kg
S-49	11/15/96	EPA8270	0	10	cm	2-Methylnaphthalene	420		µg/kg
S-51	11/15/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	510		µg/kg
S-51	11/15/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	2,100		µg/kg
S-51	11/15/96	EPA8270	0	10	cm	Benzo(a)pyrene	1,300		µg/kg
S-51	11/15/96	EPA8270	0	10	cm	Benzo(a)anthracene	1,200		µg/kg
S-51	11/15/96	EPA8270	0	10	cm	Anthracene	210		µg/kg
S-51	11/15/96	EPA8270	0	10	cm	Acenaphthylene	62	U	µg/kg
S-51	11/15/96	EPA8270	0	10	cm	2-Methylnaphthalene	62	U	µg/kg
S-51	11/15/96	EPA8100M	0	10	cm	Pyrene	17,000	U	µg/kg
S-51	11/15/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	1,200		µg/kg
S-51	11/15/96	EPA8270	0	10	cm	Pyrene	480		µg/kg
S-51	11/15/96	EPA8270	0	10	cm	Acenaphthene	970		µg/kg
S-51	11/15/96	EPA8270	0	10	cm	Chrysene	1,600		µg/kg
S-51	11/15/96	EPA8270	0	10	cm	d10-2-Methylnaphthale			%
S-51	11/15/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-51	11/15/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	270		µg/kg
S-51	11/15/96	EPA8270	0	10	cm	Fluoranthene	880		µg/kg
S-51	11/15/96	EPA8270	0	10	cm	Fluorene	290		µg/kg
S-51	11/15/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	760		µg/kg
S-51	11/15/96	EPA8270	0	10	cm	Phenanthrene	280		µg/kg
S-51	11/15/96	EPA8100M	0	10	cm	Phenanthrene	17,000	U	µg/kg
S-51	11/15/96	EPA8100M	0	10	cm	Naphthalene	17,000	U	µg/kg
S-51	11/15/96	EPA8270	0	10	cm	Naphthalene	82	U	µg/kg
S-51	11/15/96	EPA8100M	0	10	cm	Fluoranthene	17,000	U	µg/kg
S-51	11/15/96	EPA8100M	0	10	cm	Acenaphthene	17,000	U	µg/kg
S-51	11/15/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	17,000	U	µg/kg
S-51	11/15/96	EPA8100M	0	10	cm	Benzo(a)pyrene	17,000	U	µg/kg
S-51	11/15/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	17,000	U	µg/kg
S-51	11/15/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	17,000	U	µg/kg
S-51	11/15/96	EPA8100M	0	10	cm	Fluorene	17,000	U	µg/kg
S-51	11/15/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	17,000	U	µg/kg
S-51	11/15/96	EPA8100M	0	10	cm	Acenaphthylene	17,000	U	µg/kg
S-51	11/15/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	17,000	U	µg/kg
S-51	11/15/96	EPA8100M	0	10	cm	Anthracene	17,000	U	µg/kg
S-51	11/15/96	EPA8100M	10	20	cm	Benzo(a)pyrene	11,000	U	µg/kg
S-51	11/15/96	EPA8270	10	20	cm	Dibenz(a,h)anthracene	6,800		µg/kg
S-51	11/15/96	EPA8100M	10	20	cm	Benzo(a)anthracene/Ch	11,000	U	µg/kg
S-51	11/15/96	EPA8270	10	20	cm	Fluoranthene	400,000		µg/kg
S-51	11/15/96	EPA8270	10	20	cm	Chrysene	65,000		µg/kg
S-51	11/15/96	EPA8100M	10	20	cm	Anthracene	11,000	U	µg/kg
S-51	11/15/96	EPA8270	10	20	cm	Indeno(1,2,3-cd)pyrene	12,000		µg/kg
S-51	11/15/96	EPA8100M	10	20	cm	Naphthalene	11,000	U	µg/kg
S-51	11/15/96	EPA8100M	10	20	cm	Acenaphthylene	11,000	U	µg/kg
S-51	11/15/96	EPA8270	10	20	cm	Phenanthrene	400,000		µg/kg
S-51	11/15/96	EPA8100M	10	20	cm	Acenaphthene	40,000		µg/kg
S-51	11/15/96	EPA8270	10	20	cm	Pyrene	330,000		µg/kg
S-51	11/15/96	EPA8100M	10	20	cm	Phenanthrene	230,000		µg/kg
S-51	11/15/96	EPA8270	10	20	cm	Fluorene	64,000		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-51	11/15/96	EPA8100M	10	20	cm	Pyrene	210,000		µg/kg
S-51	11/15/96	EPA8270	10	20	cm	Naphthalene	3,300		µg/kg
S-51	11/15/96	EPA8100M	10	20	cm	Benzo(b,k)fluoranthene	11,000	U	µg/kg
S-51	11/15/96	EPA8100M	10	20	cm	Indeno(1,2,3-cd)pyrene	11,000	U	µg/kg
S-51	11/15/96	EPA8100M	10	20	cm	Fluorene	23,000		µg/kg
S-51	11/15/96	EPA8270	10	20	cm	2-Methylnaphthalene	11,000		µg/kg
S-51	11/15/96	EPA8270	10	20	cm	Acenaphthene	40,000		µg/kg
S-51	11/15/96	EPA8100M	10	20	cm	Fluoranthene	220,000		µg/kg
S-51	11/15/96	EPA8270	10	20	cm	Acenaphthylene	600		µg/kg
S-51	11/15/96	EPA8100M	10	20	cm	Dibenz(a,h)anthracene	29,000		µg/kg
S-51	11/15/96	EPA8270	10	20	cm	Benzo(a)anthracene	100,000		µg/kg
S-51	11/15/96	EPA8270	10	20	cm	Benzo(a)pyrene	48,000		µg/kg
S-51	11/15/96	EPA8270	10	20	cm	Benzo(b)fluoranthene	54,000		µg/kg
S-51	11/15/96	EPA8100M	10	20	cm	Benzo(g,h,i)perylene	11,000	U	µg/kg
S-51	11/15/96	EPA8270	10	20	cm	Anthracene	57,000		µg/kg
S-51	11/15/96	EPA8270	10	20	cm	Benzo(k)fluoranthene	62,000		µg/kg
S-51	11/15/96	EPA8270	10	20	cm	Benzo(g,h,i)perylene	9,500		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Anthracene	9,100		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	7,600		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	4,700		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	40,000		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	22,000		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Benzo(a)pyrene	38,000		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Benzo(a)pyrene	20,000		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Benzo(a)anthracene	72,000		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Acenaphthylene	290	U	µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Anthracene	32,000		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Acenaphthylene	490		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	22,000		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	5,500		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Pyrene	190,000		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Benzo(a)anthracene	37,000		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Fluorene	70,000		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	2-Methylnaphthalene	35,000		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Pyrene	83,000		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Phenanthrene	270,000		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Phenanthrene	91,000		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Naphthalene	8,100		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Fluorene	17,000		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	9,600		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	48,000		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Fluoranthene	230,000		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Fluoranthene	130,000		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	5,600		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	3,400		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Chrysene	57,000		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Chrysene	20,000		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Naphthalene	290	U	µg/kg
S-52	11/15/96	EPA8100M	0	10	cm	Anthracene	14,000	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-52	11/15/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	18,000	U	µg/kg
S-52	11/15/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	14,000	U	µg/kg
S-52	11/15/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	18,000	U	µg/kg
S-52	11/15/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	14,000	U	µg/kg
S-52	11/15/96	EPA8100M	0	10	cm	Benzo(a)pyrene	18,000	U	µg/kg
S-52	11/15/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	14,000	U	µg/kg
S-52	11/15/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	14,000	U	µg/kg
S-52	11/15/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	30,000		µg/kg
S-52	11/15/96	EPA8100M	0	10	cm	Acenaphthylene	18,000	U	µg/kg
S-52	11/15/96	EPA8100M	0	10	cm	Acenaphthylene	14,000	U	µg/kg
S-52	11/15/96	EPA8100M	0	10	cm	Acenaphthene	73,000		µg/kg
S-52	11/15/96	EPA8100M	0	10	cm	Acenaphthene	18,000	U	µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Acenaphthene	20,000		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Acenaphthene	100,000		µg/kg
S-52	11/15/96	EPA8100M	0	10	cm	Benzo(a)pyrene	14,000	U	µg/kg
S-52	11/15/96	EPA8100M	0	10	cm	Phenanthrene	43,000		µg/kg
S-52	11/15/96	EPA8270	0	10	cm	2-Methylnaphthalene	500		µg/kg
S-52	11/15/96	EPA8260	0	10	cm	Naphthalene	6,400		µg/kg
S-52	11/15/96	EPA8100M	0	10	cm	Anthracene	18,000	U	µg/kg
S-52	11/15/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	18,000	U	µg/kg
S-52	11/15/96	EPA8100M	0	10	cm	Pyrene	170,000		µg/kg
S-52	11/15/96	EPA8100M	0	10	cm	Phenanthrene	190,000		µg/kg
S-52	11/15/96	EPA8100M	0	10	cm	Naphthalene	18,000	U	µg/kg
S-52	11/15/96	EPA8100M	0	10	cm	Fluorene	38,000		µg/kg
S-52	11/15/96	EPA8100M	0	10	cm	Fluoranthene	71,000		µg/kg
S-52	11/15/96	EPA8100M	0	10	cm	Fluoranthene	150,000		µg/kg
S-52	11/15/96	EPA8100M	0	10	cm	Pyrene	92,000		µg/kg
S-52	11/15/96	EPA8100M	0	10	cm	Fluorene	18,000	U	µg/kg
S-52	11/15/96	EPA8100M	0	10	cm	Naphthalene	14,000	U	µg/kg
S-52	11/15/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	14,000	U	µg/kg
S-52	11/15/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	18,000	U	µg/kg
S-54	11/15/96	EPA8270	0	10	cm	2-Methylnaphthalene	450	U	µg/kg
S-54	11/15/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	8,700		µg/kg
S-54	11/15/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	5,000		µg/kg
S-54	11/15/96	EPA8100M	0	10	cm	Phenanthrene	27,000	U	µg/kg
S-54	11/15/96	EPA8100M	0	10	cm	Fluorene	27,000	U	µg/kg
S-54	11/15/96	EPA8100M	0	10	cm	Pyrene	27,000	U	µg/kg
S-54	11/15/96	EPA8270	0	10	cm	Fluoranthene	100,000		µg/kg
S-54	11/15/96	EPA8100M	0	10	cm	Naphthalene	27,000	U	µg/kg
S-54	11/15/96	EPA8270	0	10	cm	Acenaphthene	6,200		µg/kg
S-54	11/15/96	EPA8270	0	10	cm	Chrysene	32,000		µg/kg
S-54	11/15/96	EPA8270	0	10	cm	Acenaphthylene	620		µg/kg
S-54	11/15/96	EPA8270	0	10	cm	Anthracene	20,000		µg/kg
S-54	11/15/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	29,000		µg/kg
S-54	11/15/96	EPA8270	0	10	cm	Benzo(a)pyrene	28,000		µg/kg
S-54	11/15/96	EPA8270	0	10	cm	Fluorene	11,000		µg/kg
S-54	11/15/96	EPA8100M	0	10	cm	Anthracene	27,000	U	µg/kg
S-54	11/15/96	EPA8270	0	10	cm	Benzo(a)anthracene	33,000		µg/kg
S-54	11/15/96	EPA8100M	0	10	cm	Acenaphthene	27,000	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-54	11/15/96	EPA8270	0	10	cm	Phenanthrene	67,000		µg/kg
S-54	11/15/96	EPA8100M	0	10	cm	Acenaphthylene	27,000	U	µg/kg
S-54	11/15/96	EPA8100M	0	10	cm	Fluoranthene	27,000	U	µg/kg
S-54	11/15/96	EPA8270	0	10	cm	Naphthalene	480	U	µg/kg
S-54	11/15/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	27,000	U	µg/kg
S-54	11/15/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	27,000	U	µg/kg
S-54	11/15/96	EPA8100M	0	10	cm	Benzo(a)pyrene	27,000	U	µg/kg
S-54	11/15/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	27,000	U	µg/kg
S-54	11/15/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	9,700		µg/kg
S-54	11/15/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	27,000	U	µg/kg
S-54	11/15/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	27,000	U	µg/kg
S-54	11/15/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	26,000		µg/kg
S-54	11/15/96	EPA8270	0	10	cm	Pyrene	81,000		µg/kg
S-54	11/15/96	EPA8270	10	20	cm	Benzo(k)fluoranthene	1,900		µg/kg
S-54	11/15/96	EPA8270	10	20	cm	Chrysene	2,000		µg/kg
S-54	11/15/96	EPA8270	10	20	cm	Phenanthrene	2,000		µg/kg
S-54	11/15/96	EPA8270	10	20	cm	Pyrene	1,900		µg/kg
S-54	11/15/96	EPA8270	10	20	cm	d14-Dibenzo(a,h)anthra			%
S-54	11/15/96	EPA8270	10	20	cm	Dibenz(a,h)anthracene	640		µg/kg
S-54	11/15/96	EPA8270	10	20	cm	Naphthalene	80	U	µg/kg
S-54	11/15/96	EPA8270	10	20	cm	Fluoranthene	3,200		µg/kg
S-54	11/15/96	EPA8270	10	20	cm	Fluorene	95		µg/kg
S-54	11/15/96	EPA8270	10	20	cm	Indeno(1,2,3-cd)pyrene	2,200		µg/kg
S-54	11/15/96	EPA8270	10	20	cm	d10-2-Methylnaphthale			%
S-54	11/15/96	EPA8100M	10	20	cm	Benzo(a)pyrene	12,000	U	µg/kg
S-54	11/15/96	EPA8270	10	20	cm	Benzo(g,h,i)perylene	2,000		µg/kg
S-54	11/15/96	EPA8100M	10	20	cm	Acenaphthylene	12,000	U	µg/kg
S-54	11/15/96	EPA8100M	10	20	cm	Benzo(a)anthracene/Ch	12,000	U	µg/kg
S-54	11/15/96	EPA8100M	10	20	cm	Benzo(b,k)fluoranthene	12,000	U	µg/kg
S-54	11/15/96	EPA8100M	10	20	cm	Benzo(g,h,i)perylene	12,000	U	µg/kg
S-54	11/15/96	EPA8100M	10	20	cm	Dibenz(a,h)anthracene	12,000	U	µg/kg
S-54	11/15/96	EPA8100M	10	20	cm	Fluoranthene	12,000	U	µg/kg
S-54	11/15/96	EPA8100M	10	20	cm	Fluorene	12,000	U	µg/kg
S-54	11/15/96	EPA8100M	10	20	cm	Naphthalene	12,000	U	µg/kg
S-54	11/15/96	EPA8100M	10	20	cm	Indeno(1,2,3-cd)pyrene	12,000	U	µg/kg
S-54	11/15/96	EPA8270	10	20	cm	Benzo(a)anthracene	980		µg/kg
S-54	11/15/96	EPA8100M	10	20	cm	Anthracene	12,000	U	µg/kg
S-54	11/15/96	EPA8100M	10	20	cm	Acenaphthene	12,000	U	µg/kg
S-54	11/15/96	EPA8270	10	20	cm	Benzo(b)fluoranthene	3,600		µg/kg
S-54	11/15/96	EPA8270	10	20	cm	Benzo(a)pyrene	2,500		µg/kg
S-54	11/15/96	EPA8270	10	20	cm	Anthracene	250		µg/kg
S-54	11/15/96	EPA8270	10	20	cm	Acenaphthylene	120		µg/kg
S-54	11/15/96	EPA8270	10	20	cm	Acenaphthene	83		µg/kg
S-54	11/15/96	EPA8270	10	20	cm	2-Methylnaphthalene	60	U	µg/kg
S-54	11/15/96	EPA8100M	10	20	cm	Pyrene	12,000	U	µg/kg
S-54	11/15/96	EPA8100M	10	20	cm	Phenanthrene	12,000	U	µg/kg
S-55	11/14/96	EPA8270	0	10	cm	Benzo(a)anthracene	1,200		µg/kg
S-55	11/14/96	EPA8270	0	10	cm	Phenanthrene	300		µg/kg
S-55	11/14/96	EPA8270	0	10	cm	d10-2-Methylnaphthale			%

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-55	11/14/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	3,500		µg/kg
S-55	11/14/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	2,000		µg/kg
S-55	11/14/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	2,600		µg/kg
S-55	11/14/96	EPA8270	0	10	cm	Chrysene	1,800		µg/kg
S-55	11/14/96	EPA8270	0	10	cm	Benzo(a)pyrene	3,000		µg/kg
S-55	11/14/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-55	11/14/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	720		µg/kg
S-55	11/14/96	EPA8270	0	10	cm	Fluoranthene	1,200		µg/kg
S-55	11/14/96	EPA8270	0	10	cm	Fluorene	91	U	µg/kg
S-55	11/14/96	EPA8270	0	10	cm	Naphthalene	91	U	µg/kg
S-55	11/14/96	EPA8270	0	10	cm	Pyrene	920		µg/kg
S-55	11/14/96	EPA8270	0	10	cm	Anthracene	170		µg/kg
S-55	11/14/96	EPA8100M	0	10	cm	Pyrene	18,000	U	µg/kg
S-55	11/14/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	2,300		µg/kg
S-55	11/14/96	EPA8100M	0	10	cm	Acenaphthylene	18,000	U	µg/kg
S-55	11/14/96	EPA8270	0	10	cm	Acenaphthene	91	U	µg/kg
S-55	11/14/96	EPA8100M	0	10	cm	Acenaphthene	18,000	U	µg/kg
S-55	11/14/96	EPA8270	0	10	cm	Acenaphthylene	91	U	µg/kg
S-55	11/14/96	EPA8100M	0	10	cm	Anthracene	18,000	U	µg/kg
S-55	11/14/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	18,000	U	µg/kg
S-55	11/14/96	EPA8100M	0	10	cm	Benzo(a)pyrene	18,000	U	µg/kg
S-55	11/14/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	18,000	U	µg/kg
S-55	11/14/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	18,000	U	µg/kg
S-55	11/14/96	EPA8100M	0	10	cm	Fluoranthene	18,000	U	µg/kg
S-55	11/14/96	EPA8100M	0	10	cm	Fluorene	18,000	U	µg/kg
S-55	11/14/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	18,000	U	µg/kg
S-55	11/14/96	EPA8100M	0	10	cm	Naphthalene	18,000	U	µg/kg
S-55	11/14/96	EPA8100M	0	10	cm	Phenanthrene	18,000	U	µg/kg
S-55	11/14/96	EPA8270	0	10	cm	2-Methylnaphthalene	91	U	µg/kg
S-55	11/14/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	18,000	U	µg/kg
S-56	11/14/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	2,500		µg/kg
S-56	11/14/96	EPA8270	0	10	cm	Benzo(a)anthracene	2,500	M	µg/kg
S-56	11/14/96	EPA8270	0	10	cm	Benzo(a)pyrene	3,400		µg/kg
S-56	11/14/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	3,400		µg/kg
S-56	11/14/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	3,200		µg/kg
S-56	11/14/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	2,000		µg/kg
S-56	11/14/96	EPA8270	0	10	cm	Chrysene	3,000		µg/kg
S-56	11/14/96	EPA8270	0	10	cm	d10-2-Methylnaphthale			%
S-56	11/14/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-56	11/14/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	770		µg/kg
S-56	11/14/96	EPA8270	0	10	cm	Pyrene	1,300		µg/kg
S-56	11/14/96	EPA8270	0	10	cm	Fluorene	87		µg/kg
S-56	11/14/96	EPA8270	0	10	cm	Naphthalene	62		µg/kg
S-56	11/14/96	EPA8270	0	10	cm	Phenanthrene	500		µg/kg
S-56	11/14/96	EPA8270	0	10	cm	Anthracene	290		µg/kg
S-56	11/14/96	EPA8100M	0	10	cm	Pyrene	21,000	U	µg/kg
S-56	11/14/96	EPA8270	0	10	cm	Fluoranthene	1,700		µg/kg
S-56	11/14/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	21,000	U	µg/kg
S-56	11/14/96	EPA8270	0	10	cm	Acenaphthylene	130		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-55	11/14/96	EPA8270	0	10	cm	Acenaphthene	51		µg/kg
S-55	11/14/96	EPA8100M	0	10	cm	Anthracene	21,000	U	µg/kg
S-55	11/14/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	21,000	U	µg/kg
S-55	11/14/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	21,000	U	µg/kg
S-56	11/14/96	EPA8100M	0	10	cm	Acenaphthylene	21,000	U	µg/kg
S-56	11/14/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	21,000	U	µg/kg
S-56	11/14/96	EPA8100M	0	10	cm	Fluoranthene	21,000	U	µg/kg
S-56	11/14/96	EPA8100M	0	10	cm	Fluorene	21,000	U	µg/kg
S-56	11/14/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	21,000	U	µg/kg
S-56	11/14/96	EPA8100M	0	10	cm	Naphthalene	21,000	U	µg/kg
S-56	11/14/96	EPA8100M	0	10	cm	Phenanthrene	21,000	U	µg/kg
S-56	11/14/96	EPA8270	0	10	cm	2-Methylnaphthalene	35	U	µg/kg
S-56	11/14/96	EPA8100M	0	10	cm	Acenaphthene	21,000	U	µg/kg
S-56	11/14/96	EPA8100M	0	10	cm	Benzo(a)pyrene	21,000	U	µg/kg
S-57	11/14/96	EPA8270	0	10	cm	d10-2-Methylnaphthale			%
S-57	11/14/96	EPA8270	0	10	cm	Anthracene	410		µg/kg
S-57	11/14/96	EPA8270	0	10	cm	Benzo(a)pyrene	12,000		µg/kg
S-57	11/14/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	12,000		µg/kg
S-57	11/14/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	8,900		µg/kg
S-57	11/14/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	7,600		µg/kg
S-57	11/14/96	EPA8270	0	10	cm	Chrysene	7,000		µg/kg
S-57	11/14/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-57	11/14/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	2,800		µg/kg
S-57	11/14/96	EPA8270	0	10	cm	Fluoranthene	1,400		µg/kg
S-57	11/14/96	EPA8270	0	10	cm	Fluorene	200		µg/kg
S-57	11/14/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	8,700		µg/kg
S-57	11/14/96	EPA8270	0	10	cm	Phenanthrene	710		µg/kg
S-57	11/14/96	EPA8270	0	10	cm	Acenaphthylene	190		µg/kg
S-57	11/14/96	EPA8270	0	10	cm	Pyrene	1,800		µg/kg
S-57	11/14/96	EPA8270	0	10	cm	Naphthalene	250		µg/kg
S-57	11/14/96	EPA8100M	0	10	cm	Benzo(a)pyrene	17,000	U	µg/kg
S-57	11/14/96	EPA8270	0	10	cm	Benzo(a)anthracene	3,000		µg/kg
S-57	11/14/96	EPA8270	0	10	cm	Acenaphthene	300		µg/kg
S-57	11/14/96	EPA8100M	0	10	cm	Acenaphthene	17,000	U	µg/kg
S-57	11/14/96	EPA8100M	0	10	cm	Acenaphthylene	17,000	U	µg/kg
S-57	11/14/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	17,000	U	µg/kg
S-57	11/14/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	17,000	U	µg/kg
S-57	11/14/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	17,000	U	µg/kg
S-57	11/14/96	EPA8100M	0	10	cm	Phenanthrene	17,000	U	µg/kg
S-57	11/14/96	EPA8270	0	10	cm	2-Methylnaphthalene	170	U	µg/kg
S-57	11/14/96	EPA8100M	0	10	cm	Anthracene	17,000	U	µg/kg
S-57	11/14/96	EPA8100M	0	10	cm	Pyrene	17,000	U	µg/kg
S-57	11/14/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	17,000	U	µg/kg
S-57	11/14/96	EPA8100M	0	10	cm	Naphthalene	17,000	U	µg/kg
S-57	11/14/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	17,000	U	µg/kg
S-57	11/14/96	EPA8100M	0	10	cm	Fluorene	17,000	U	µg/kg
S-57	11/14/96	EPA8100M	0	10	cm	Fluoranthene	17,000	U	µg/kg
S-58	11/15/96	EPA8270	0	10	cm	d10-2-Methylnaphthale			%
S-58	11/15/96	EPA8100M	0	10	cm	Anthracene	19,000	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-58	11/16/96	EPA8270	0	10	cm	Benzo(a)pyrene	22,000		µg/kg
S-58	11/16/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	23,000		µg/kg
S-58	11/16/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	16,000		µg/kg
S-58	11/16/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	16,000		µg/kg
S-58	11/16/96	EPA8270	0	10	cm	Chrysene	12,000		µg/kg
S-58	11/16/96	EPA8270	0	10	cm	Benzo(a)anthracene	5,300		µg/kg
S-58	11/16/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-58	11/16/96	EPA8270	0	10	cm	Dibenzo(a,h)anthracene	4,800		µg/kg
S-58	11/16/96	EPA8270	0	10	cm	Fluoranthene	1,400		µg/kg
S-58	11/16/96	EPA8270	0	10	cm	Fluorene	190	U	µg/kg
S-58	11/16/96	EPA8270	0	10	cm	Pyrene	2,200		µg/kg
S-58	11/16/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	17,000		µg/kg
S-58	11/16/96	EPA8270	0	10	cm	Anthracene	400		µg/kg
S-58	11/16/96	EPA8270	0	10	cm	Phenanthrene	740		µg/kg
S-58	11/16/96	EPA8270	0	10	cm	Naphthalene	270		µg/kg
S-58	11/16/96	EPA8100M	0	10	cm	Acenaphthylene	19,000	U	µg/kg
S-58	11/16/96	EPA8270	0	10	cm	Acenaphthylene	250		µg/kg
S-58	11/16/96	EPA8100M	0	10	cm	Benzo(a)pyrene	19,000	U	µg/kg
S-58	11/16/96	EPA8100M	0	10	cm	Acenaphthene	19,000	U	µg/kg
S-58	11/16/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	19,000	U	µg/kg
S-58	11/16/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	19,000	U	µg/kg
S-58	11/16/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	19,000	U	µg/kg
S-58	11/16/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	19,000	U	µg/kg
S-58	11/16/96	EPA8100M	0	10	cm	Fluorene	19,000	U	µg/kg
S-58	11/16/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	19,000	U	µg/kg
S-58	11/16/96	EPA8100M	0	10	cm	Naphthalene	19,000	U	µg/kg
S-58	11/16/96	EPA8100M	0	10	cm	Phenanthrene	19,000	U	µg/kg
S-58	11/16/96	EPA8100M	0	10	cm	Pyrene	19,000	U	µg/kg
S-58	11/16/96	EPA8270	0	10	cm	2-Methylnaphthalene	180	U	µg/kg
S-58	11/16/96	EPA8270	0	10	cm	Acenaphthene	190	U	µg/kg
S-58	11/16/96	EPA8100M	0	10	cm	Fluoranthene	19,000	U	µg/kg
S-60	11/15/96	EPA8100M	0	10	cm	Fluorene	19,000	U	µg/kg
S-60	11/15/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	240		µg/kg
S-60	11/15/96	EPA8100M	0	10	cm	Phenanthrene	19,000	U	µg/kg
S-60	11/15/96	EPA8100M	0	10	cm	Phenanthrene	18,000	U	µg/kg
S-60	11/15/96	EPA8100M	0	10	cm	Naphthalene	19,000	U	µg/kg
S-60	11/15/96	EPA8100M	0	10	cm	Naphthalene	18,000	U	µg/kg
S-60	11/15/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	18,000	U	µg/kg
S-60	11/15/96	EPA8270	0	10	cm	Fluorene	140		µg/kg
S-60	11/15/96	EPA8270	0	10	cm	Fluoranthene	2,800		µg/kg
S-60	11/15/96	EPA8100M	0	10	cm	Fluorene	18,000	U	µg/kg
S-60	11/15/96	EPA8270	0	10	cm	Chrysene	2,400		µg/kg
S-60	11/15/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	18,000	U	µg/kg
S-60	11/15/96	EPA8100M	0	10	cm	Pyrene	19,000	U	µg/kg
S-60	11/15/96	EPA8270	0	10	cm	2-Methylnaphthalene	93	U	µg/kg
S-60	11/15/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-60	11/15/96	EPA8270	0	10	cm	Acenaphthene	140		µg/kg
S-60	11/15/96	EPA8270	0	10	cm	d10-2-Methylnaphthale			%
S-60	11/15/96	EPA8100M	0	10	cm	Fluoranthene	19,000	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-60	11/15/96	EPA8270	0	10	cm	Anthracene	390		µg/kg
S-60	11/15/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	18,000	U	µg/kg
S-60	11/15/96	EPA8270	0	10	cm	Benzo(a)anthracene	2,400		µg/kg
S-60	11/15/96	EPA8270	0	10	cm	Benzo(a)pyrene	2,600		µg/kg
S-60	11/15/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	2,600		µg/kg
S-60	11/15/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	3,200		µg/kg
S-60	11/15/96	EPA8270	0	10	cm	Acenaphthylene	93	U	µg/kg
S-60	11/15/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	19,000	U	µg/kg
S-60	11/15/96	EPA8270	0	10	cm	Pyrene	1,800		µg/kg
S-60	11/15/96	EPA8100M	0	10	cm	Acenaphthene	19,000	U	µg/kg
S-60	11/15/96	EPA8100M	0	10	cm	Acenaphthene	19,000	U	µg/kg
S-60	11/15/96	EPA8100M	0	10	cm	Acenaphthylene	18,000	U	µg/kg
S-60	11/15/96	EPA8100M	0	10	cm	Acenaphthylene	18,000	U	µg/kg
S-60	11/15/96	EPA8270	0	10	cm	Phenanthrene	540		µg/kg
S-60	11/15/96	EPA8100M	0	10	cm	Anthracene	18,000	U	µg/kg
S-60	11/15/96	EPA8100M	0	10	cm	Anthracene	19,000	U	µg/kg
S-60	11/15/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	18,000	U	µg/kg
S-60	11/15/96	EPA8100M	0	10	cm	Fluoranthene	18,000	U	µg/kg
S-60	11/15/96	EPA8270	0	10	cm	Naphthalene	93	U	µg/kg
S-60	11/15/96	EPA8100M	0	10	cm	Benzo(a)pyrene	18,000	U	µg/kg
S-60	11/15/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	19,000	U	µg/kg
S-60	11/15/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	19,000	U	µg/kg
S-60	11/15/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	18,000	U	µg/kg
S-60	11/15/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	1,200		µg/kg
S-60	11/15/96	EPA8100M	0	10	cm	Benzo(a)pyrene	19,000	U	µg/kg
S-60	11/15/96	EPA8100M	0	10	cm	Pyrene	18,000	U	µg/kg
S-60	11/15/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	1,700		µg/kg
S-60	11/15/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	19,000	U	µg/kg
S-60	11/15/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	18,000	U	µg/kg
S-60	11/15/96	EPA8270	10	20	cm	Dibenz(a,h)anthracene	1,900		µg/kg
S-60	11/15/96	EPA8270	10	20	cm	Fluorene	3,400		µg/kg
S-60	11/15/96	EPA8270	10	20	cm	Naphthalene	150	U	µg/kg
S-60	11/15/96	EPA8270	10	20	cm	Phenanthrene	32,000		µg/kg
S-60	11/15/96	EPA8270	10	20	cm	Benzo(k)fluoranthene	11,000		µg/kg
S-60	11/15/96	EPA8270	10	20	cm	Fluoranthene	37,000		µg/kg
S-60	11/15/96	EPA8270	10	20	cm	Indeno(1,2,3-cd)pyrene	8,300		µg/kg
S-60	11/15/96	EPA8270	10	20	cm	Pyrene	27,000		µg/kg
S-60	11/15/96	EPA8270	10	20	cm	Benzo(g,h,i)perylene	2,800		µg/kg
S-60	11/15/96	EPA8270	10	20	cm	Chrysene	18,000		µg/kg
S-60	11/15/96	EPA8100M	10	20	cm	Anthracene	11,000	U	µg/kg
S-60	11/15/96	EPA8100M	10	20	cm	Pyrene	17,000		µg/kg
S-60	11/15/96	EPA8100M	10	20	cm	Acenaphthylene	11,000	U	µg/kg
S-60	11/15/96	EPA8270	10	20	cm	Benzo(b)fluoranthene	11,000		µg/kg
S-60	11/15/96	EPA8100M	10	20	cm	Benzo(a)anthracene/Ch	27,000		µg/kg
S-60	11/15/96	EPA8100M	10	20	cm	Benzo(a)pyrene	11,000	U	µg/kg
S-60	11/15/96	EPA8100M	10	20	cm	Benzo(b,k)fluoranthene	11,000	U	µg/kg
S-60	11/15/96	EPA8100M	10	20	cm	Benzo(g,h,i)perylene	11,000	U	µg/kg
S-60	11/15/96	EPA8100M	10	20	cm	Dibenz(a,h)anthracene	11,000	U	µg/kg
S-60	11/15/96	EPA8100M	10	20	cm	Fluoranthene	21,000		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-60	11/15/96	EPA8270	10	20	cm	Benzo(a)anthracene	17,000		µg/kg
S-60	11/15/96	EPA8100M	10	20	cm	Acenaphthene	11,000	U	µg/kg
S-60	11/15/96	EPA8100M	10	20	cm	Fluorene	11,000	U	µg/kg
S-60	11/15/96	EPA8270	10	20	cm	Benzo(a)pyrene	11,000		µg/kg
S-60	11/15/96	EPA8270	10	20	cm	Anthracene	7,000		µg/kg
S-60	11/15/96	EPA8270	10	20	cm	Acenaphthylene	160	U	µg/kg
S-60	11/15/96	EPA8270	10	20	cm	Acenaphthene	3,100		µg/kg
S-60	11/15/96	EPA8270	10	20	cm	2-Methylnaphthalene	160	U	µg/kg
S-60	11/15/96	EPA8100M	10	20	cm	Phenanthrene	29,000		µg/kg
S-60	11/15/96	EPA8100M	10	20	cm	Naphthalene	11,000	U	µg/kg
S-60	11/15/96	EPA8100M	10	20	cm	Indeno(1,2,3-cd)pyrene	11,000	U	µg/kg
S-60A-D	11/15/96	EPA8270SI	0	10	cm	Acenaphthylene	69	U	µg/kg
S-60A-D	11/15/96	EPA8270SI	0	10	cm	Chrysene	1,700		µg/kg
S-60A-D	11/15/96	EPA8270SI	0	10	cm	Benzo(a)anthracene	1,600		µg/kg
S-60A-D	11/15/96	EPA8270SI	0	10	cm	Benzo(a)pyrene	2,200		µg/kg
S-60A-D	11/15/96	EPA8270SI	0	10	cm	Benzo(b)fluoranthene	2,900		µg/kg
S-60A-D	11/15/96	EPA8270SI	0	10	cm	Benzo(g,h,i)perylene	1,200		µg/kg
S-60A-D	11/15/96	EPA8270SI	0	10	cm	Benzo(k)fluoranthene	1,900		µg/kg
S-60A-D	11/15/96	EPA8270SI	0	10	cm	Anthracene	300		µg/kg
S-60A-D	11/15/96	EPA8270SI	0	10	cm	d10-2-Methylnaphthalene			%
S-60A-D	11/15/96	EPA8270SI	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-60A-D	11/15/96	EPA8270SI	0	10	cm	Dibenzo(a,h)anthracen	470		µg/kg
S-60A-D	11/15/96	EPA8270SI	0	10	cm	Fluoranthene	2,600		µg/kg
S-60A-D	11/15/96	EPA8270SI	0	10	cm	Indeno(1,2,3-cd)pyrene	1,500		µg/kg
S-60A-D	11/15/96	EPA8270SI	0	10	cm	Phenanthrene	400		µg/kg
S-60A-D	11/15/96	EPA8270SI	0	10	cm	Naphthalene	69	U	µg/kg
S-60A-D	11/15/96	EPA8270SI	0	10	cm	Fluorene	120		µg/kg
S-60A-D	11/15/96	EPA8100M	0	10	cm	Acenaphthene	18,000	U	µg/kg
S-60A-D	11/15/96	EPA8270SI	0	10	cm	Pyrene	1,900		µg/kg
S-60A-D	11/15/96	EPA8100M	0	10	cm	Acenaphthylene	18,000	U	µg/kg
S-60A-D	11/15/96	EPA8100M	0	10	cm	Anthracene	18,000	U	µg/kg
S-60A-D	11/15/96	EPA8100M	0	10	cm	Benzo(a)Anthracene/Ch	18,000	U	µg/kg
S-60A-D	11/15/96	EPA8100M	0	10	cm	Benzo(e)pyrene	18,000	U	µg/kg
S-60A-D	11/15/96	EPA8100M	0	10	cm	Benzo(b+k)fluoranthen	18,000	U	µg/kg
S-60A-D	11/15/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	18,000	U	µg/kg
S-60A-D	11/15/96	EPA8270SI	0	10	cm	2-Methylnaphthalene	68	U	µg/kg
S-60A-D	11/15/96	EPA8100M	0	10	cm	Fluoranthene	18,000	U	µg/kg
S-60A-D	11/15/96	EPA8100M	0	10	cm	Fluorene	18,000	U	µg/kg
S-60A-D	11/15/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	18,000	U	µg/kg
S-60A-D	11/15/96	EPA8100M	0	10	cm	Naphthalene	18,000	U	µg/kg
S-60A-D	11/15/96	EPA8100M	0	10	cm	Phenanthrene	18,000	U	µg/kg
S-60A-D	11/15/96	EPA8100M	0	10	cm	Pyrene	18,000	U	µg/kg
S-60A-D	11/15/96	EPA8270SI	0	10	cm	Acenaphthene	130		µg/kg
S-60A-D	11/15/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	18,000	U	µg/kg
S-61	11/15/96	EPA8270	0	10	cm	d10-2-Methylnaphthalene			%
S-61	11/15/96	EPA8270	0	10	cm	Chrysene	5,200		µg/kg
S-61	11/15/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	3,200		µg/kg
S-61	11/15/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	1,400		µg/kg
S-61	11/15/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthra			%

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-61	11/15/96	EPA8270	0	10	cm	Benzo(a)pyrene	3,800		µg/kg
S-61	11/15/96	EPA8270	0	10	cm	Phenanthrene	2,000		µg/kg
S-61	11/15/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	4,700		µg/kg
S-61	11/15/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	720		µg/kg
S-61	11/15/96	EPA8270	0	10	cm	Fluoranthene	3,700		µg/kg
S-61	11/15/96	EPA8270	0	10	cm	Fluorene	480		µg/kg
S-61	11/15/96	EPA8270	0	10	cm	Naphthalene	99	U	µg/kg
S-61	11/15/96	EPA8270	0	10	cm	Pyrene	2,600		µg/kg
S-61	11/15/96	EPA8270	0	10	cm	Benzo(a)anthracene	4,200		µg/kg
S-61	11/15/96	EPA8270	0	10	cm	Acenaphthene	110		µg/kg
S-61	11/15/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	2,000		µg/kg
S-61	11/15/96	EPA8100M	0	10	cm	Acenaphthylene	20,000	U	µg/kg
S-61	11/15/96	EPA8270	0	10	cm	Anthracene	1,800		µg/kg
S-61	11/15/96	EPA8100M	0	10	cm	Acenaphthene	20,000	U	µg/kg
S-61	11/15/96	EPA8270	0	10	cm	Acenaphthylene	99	U	µg/kg
S-61	11/15/96	EPA8100M	0	10	cm	Anthracene	20,000	U	µg/kg
S-61	11/15/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	20,000	U	µg/kg
S-61	11/15/96	EPA8100M	0	10	cm	Benzo(a)pyrene	20,000	U	µg/kg
S-61	11/15/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	20,000	U	µg/kg
S-61	11/15/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	20,000	U	µg/kg
S-61	11/15/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	20,000	U	µg/kg
S-61	11/15/96	EPA8100M	0	10	cm	Fluorene	20,000	U	µg/kg
S-61	11/15/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	20,000	U	µg/kg
S-61	11/15/96	EPA8100M	0	10	cm	Naphthalene	20,000	U	µg/kg
S-61	11/15/96	EPA8100M	0	10	cm	Phenanthrene	20,000	U	µg/kg
S-61	11/15/96	EPA8100M	0	10	cm	Pyrene	20,000	U	µg/kg
S-61	11/15/96	EPA8270	0	10	cm	2-Methylnaphthalene	99	U	µg/kg
S-61	11/15/96	EPA8100M	0	10	cm	Fluoranthene	20,000	U	µg/kg
S-62	11/15/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	2,000		µg/kg
S-62	11/15/96	EPA8270	0	10	cm	Benzo(a)anthracene	3,900		µg/kg
S-62	11/15/96	EPA8270	0	10	cm	Benzo(a)pyrene	3,300		µg/kg
S-62	11/15/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	4,200		µg/kg
S-62	11/15/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	1,600		µg/kg
S-62	11/15/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	3,100		µg/kg
S-62	11/15/96	EPA8270	0	10	cm	Chrysene	4,300		µg/kg
S-62	11/15/96	EPA8270	0	10	cm	d10-2-Methylnaphthale			%
S-62	11/15/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-62	11/15/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	720		µg/kg
S-62	11/15/96	EPA8270	0	10	cm	Pyrene	2,900		µg/kg
S-62	11/15/96	EPA8270	0	10	cm	Fluorene	290		µg/kg
S-62	11/15/96	EPA8270	0	10	cm	Naphthalene	66	U	µg/kg
S-62	11/15/96	EPA8270	0	10	cm	Phenanthrene	1,100		µg/kg
S-62	11/15/96	EPA8270	0	10	cm	Anthracene	1,200		µg/kg
S-62	11/15/96	EPA8270	0	10	cm	2-Methylnaphthalene	66	U	µg/kg
S-62	11/15/96	EPA8270	0	10	cm	Fluoranthene	3,900		µg/kg
S-62	11/15/96	EPA8100M	0	10	cm	Anthracene	17,000	U	µg/kg
S-62	11/15/96	EPA8270	0	10	cm	Acenaphthylene	66	U	µg/kg
S-62	11/15/96	EPA8100M	0	10	cm	Acenaphthylene	17,000	U	µg/kg
S-62	11/15/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	17,000	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-62	11/15/96	EPA8100M	0	10	cm	Benzo(a)pyrene	17,000	U	µg/kg
S-62	11/15/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	17,000	U	µg/kg
S-62	11/15/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	17,000	U	µg/kg
S-62	11/15/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	17,000	U	µg/kg
S-62	11/15/96	EPA8100M	0	10	cm	Fluorene	17,000	U	µg/kg
S-62	11/15/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	17,000	U	µg/kg
S-62	11/15/96	EPA8100M	0	10	cm	Naphthalene	17,000	U	µg/kg
S-62	11/15/96	EPA8100M	0	10	cm	Phenanthrene	17,000	U	µg/kg
S-62	11/15/96	EPA8100M	0	10	cm	Pyrene	17,000	U	µg/kg
S-62	11/15/96	EPA8100M	0	10	cm	Acenaphthene	17,000	U	µg/kg
S-62	11/15/96	EPA8270	0	10	cm	Acenaphthene	160		µg/kg
S-62	11/15/96	EPA8100M	0	10	cm	Fluoranthene	17,000	U	µg/kg
S-63	11/16/96	EPA8270	0	10	cm	Naphthalene	250	U	µg/kg
S-63	11/16/96	EPA8270	0	10	cm	Anthracene	1,800		µg/kg
S-63	11/16/96	EPA8270	0	10	cm	Benzo(a)anthracene	3,200		µg/kg
S-63	11/16/96	EPA8270	0	10	cm	Benzo(a)pyrene	3,900		µg/kg
S-63	11/16/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	3,500		µg/kg
S-63	11/16/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	1,700		µg/kg
S-63	11/16/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	4,100		µg/kg
S-63	11/16/96	EPA8270	0	10	cm	Chrysene	4,500		µg/kg
S-63	11/16/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	720		µg/kg
S-63	11/16/96	EPA8270	0	10	cm	Fluoranthene	3,400		µg/kg
S-63	11/16/96	EPA8270	0	10	cm	Pyrene	4,300		µg/kg
S-63	11/16/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	1,600		µg/kg
S-63	11/16/96	EPA8270	0	10	cm	Phenanthrene	1,000		µg/kg
S-63	11/16/96	EPA8270	0	10	cm	2-Methylnaphthalene	250	U	µg/kg
S-63	11/16/96	EPA8270	0	10	cm	Fluorene	250	U	µg/kg
S-63	11/16/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	16,000	U	µg/kg
S-63	11/16/96	EPA8270	0	10	cm	Acenaphthylene	250	U	µg/kg
S-63	11/16/96	EPA8270	0	10	cm	Acenaphthene	250	U	µg/kg
S-63	11/16/96	EPA8100M	0	10	cm	Acenaphthylene	16,000	U	µg/kg
S-63	11/16/96	EPA8100M	0	10	cm	Anthracene	15,000	U	µg/kg
S-63	11/16/96	EPA8100M	0	10	cm	Benzo(a)pyrene	15,000	U	µg/kg
S-63	11/16/96	EPA8100M	0	10	cm	Acenaphthene	15,000	U	µg/kg
S-63	11/16/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	15,000	U	µg/kg
S-63	11/16/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	15,000	U	µg/kg
S-63	11/16/96	EPA8100M	0	10	cm	Fluoranthene	15,000	U	µg/kg
S-63	11/16/96	EPA8100M	0	10	cm	Fluorene	15,000	U	µg/kg
S-63	11/16/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	15,000	U	µg/kg
S-63	11/16/96	EPA8100M	0	10	cm	Naphthalene	15,000	U	µg/kg
S-63	11/16/96	EPA8100M	0	10	cm	Phenanthrene	15,000	U	µg/kg
S-63	11/16/96	EPA8100M	0	10	cm	Pyrene	15,000	U	µg/kg
S-63	11/16/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	15,000	U	µg/kg
S-64	11/16/96	EPA8270	0	10	cm	Chrysene	30,000		µg/kg
S-64	11/16/96	EPA8270	0	10	cm	Benzo(a)anthracene	8,300		µg/kg
S-64	11/16/96	EPA8270	0	10	cm	Anthracene	820		µg/kg
S-64	11/16/96	EPA8270	0	10	cm	Benzo(a)pyrene	25,000		µg/kg
S-64	11/16/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	25,000		µg/kg
S-64	11/16/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	15,000		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-64	11/16/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	14,000		µg/kg
S-64	11/16/96	EPA8270	0	10	cm	d10-2-Methylnaphthale			%
S-64	11/16/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-64	11/16/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	4,100		µg/kg
S-64	11/16/96	EPA8270	0	10	cm	Fluoranthene	2,600		µg/kg
S-64	11/16/96	EPA8270	0	10	cm	Fluorene	160		µg/kg
S-64	11/16/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	13,000		µg/kg
S-64	11/16/96	EPA8270	0	10	cm	Naphthalene	100		µg/kg
S-64	11/16/96	EPA8270	0	10	cm	Acenaphthylene	320		µg/kg
S-64	11/16/96	EPA8270	0	10	cm	Phenanthrene	840		µg/kg
S-64	11/16/96	EPA8100M	0	10	cm	Anthracene	18,000	U	µg/kg
S-64	11/16/96	EPA8270	0	10	cm	Pyrene	3,200		µg/kg
S-64	11/16/96	EPA8270	0	10	cm	Acenaphthene	130		µg/kg
S-64	11/16/96	EPA8100M	0	10	cm	Acenaphthene	18,000	U	µg/kg
S-64	11/16/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	18,000	U	µg/kg
S-64	11/16/96	EPA8100M	0	10	cm	Benzo(a)pyrene	18,000	U	µg/kg
S-64	11/16/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	18,000	U	µg/kg
S-64	11/16/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	18,000	U	µg/kg
S-64	11/16/96	EPA8270	0	10	cm	2-Methylnaphthalene	91	U	µg/kg
S-64	11/16/96	EPA8100M	0	10	cm	Fluoranthene	18,000	U	µg/kg
S-64	11/16/96	EPA8100M	0	10	cm	Fluorene	18,000	U	µg/kg
S-64	11/16/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	18,000	U	µg/kg
S-64	11/16/96	EPA8100M	0	10	cm	Naphthalene	18,000	U	µg/kg
S-64	11/16/96	EPA8100M	0	10	cm	Phenanthrene	18,000	U	µg/kg
S-64	11/16/96	EPA8100M	0	10	cm	Pyrene	18,000	U	µg/kg
S-64	11/16/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	18,000	U	µg/kg
S-64	11/16/96	EPA8100M	0	10	cm	Acenaphthylene	18,000	U	µg/kg
S-65	11/16/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	12,000		µg/kg
S-65	11/16/96	EPA8270	0	10	cm	Benzo(e)pyrene	11,000		µg/kg
S-65	11/16/96	EPA8270	0	10	cm	Benzo(a)anthracene	4,200		µg/kg
S-65	11/16/96	EPA8270	0	10	cm	Anthracene	580		µg/kg
S-65	11/16/96	EPA8270	0	10	cm	Acenaphthylene	180	U	µg/kg
S-65	11/16/96	EPA8270	0	10	cm	Acenaphthene	1,700		µg/kg
S-65	11/16/96	EPA8270	0	10	cm	2-Methylnaphthalene	380		µg/kg
S-65	11/16/96	EPA8100M	0	10	cm	Pyrene	18,000	U	µg/kg
S-65	11/16/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	5,800		µg/kg
S-65	11/16/96	EPA8270	0	10	cm	Naphthalene	410		µg/kg
S-65	11/16/96	EPA8260	0	10	cm	Naphthalene	82		µg/kg
S-65	11/16/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	6,600		µg/kg
S-65	11/16/96	EPA8270	0	10	cm	Chrysene	6,300		µg/kg
S-65	11/16/96	EPA8270	0	10	cm	d10-2-Methylnaphthale			%
S-65	11/16/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-65	11/16/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	2,200		µg/kg
S-65	11/16/96	EPA8270	0	10	cm	Fluoranthene	3,000		µg/kg
S-65	11/16/96	EPA8100M	0	10	cm	Phenanthrene	18,000	U	µg/kg
S-65	11/16/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	7,600		µg/kg
S-65	11/16/96	EPA8100M	0	10	cm	Naphthalene	18,000	U	µg/kg
S-65	11/16/96	EPA8270	0	10	cm	Phenanthrene	1,700		µg/kg
S-65	11/16/96	EPA8270	0	10	cm	Pyrene	3,700		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-65	11/16/96	EPA8270	0	10	cm	Fluorene	400		µg/kg
S-65	11/16/96	EPA8100M	0	10	cm	Fluoranthene	18,000	U	µg/kg
S-65	11/16/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	18,000	U	µg/kg
S-65	11/16/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	18,000	U	µg/kg
S-65	11/16/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	18,000	U	µg/kg
S-65	11/16/96	EPA8100M	0	10	cm	Benzo(a)pyrene	18,000	U	µg/kg
S-65	11/16/96	EPA8100M	0	10	cm	Anthracene	18,000	U	µg/kg
S-65	11/16/96	EPA8100M	0	10	cm	Acenaphthylene	18,000	U	µg/kg
S-65	11/16/96	EPA8100M	0	10	cm	Fluorene	18,000	U	µg/kg
S-65	11/16/96	EPA8100M	0	10	cm	Acenaphthene	18,000	U	µg/kg
S-65	11/16/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	18,000	U	µg/kg
S-65	11/16/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	18,000	U	µg/kg
S-65	11/16/96	EPA8100M	10	20	cm	Anthracene	17,000	U	µg/kg
S-65	11/16/96	EPA8100M	10	20	cm	Phenanthrene	17,000	U	µg/kg
S-65	11/16/96	EPA8100M	10	20	cm	Benzo(a)anthracene/Ch	17,000	U	µg/kg
S-65	11/16/96	EPA8100M	10	20	cm	Acenaphthene	17,000	U	µg/kg
S-65	11/16/96	EPA8100M	10	20	cm	Benzo(a)pyrene	17,000	U	µg/kg
S-65	11/16/96	EPA8100M	10	20	cm	Pyrene	17,000	U	µg/kg
S-65	11/16/96	EPA8100M	10	20	cm	Acenaphthylene	17,000	U	µg/kg
S-65	11/16/96	EPA8100M	10	20	cm	Benzo(b,k)fluoranthene	17,000	U	µg/kg
S-65	11/16/96	EPA8100M	10	20	cm	Naphthalene	17,000	U	µg/kg
S-65	11/16/96	EPA8100M	10	20	cm	Indeno(1,2,3-cd)pyrene	17,000	U	µg/kg
S-65	11/16/96	EPA8100M	10	20	cm	Fluorene	17,000	U	µg/kg
S-65	11/16/96	EPA8100M	10	20	cm	Fluoranthene	17,000	U	µg/kg
S-65	11/16/96	EPA8100M	10	20	cm	Dibenz(a,h)anthracene	17,000	U	µg/kg
S-65	11/16/96	EPA8100M	10	20	cm	Benzo(g,h,i)perylene	17,000	U	µg/kg
S-66	11/16/96	EPA8270	0	10	cm	Anthracene	710		µg/kg
S-66	11/16/96	EPA8270	0	10	cm	Fluorene	380		µg/kg
S-66	11/16/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	12,000		µg/kg
S-66	11/16/96	EPA8270	0	10	cm	Benzo(a)anthracene	8,100		µg/kg
S-66	11/16/96	EPA8270	0	10	cm	Benzo(a)pyrene	23,000		µg/kg
S-66	11/16/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	24,000		µg/kg
S-66	11/16/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	16,000		µg/kg
S-66	11/16/96	EPA8270	0	10	cm	Pyrene	4,100		µg/kg
S-66	11/16/96	EPA8270	0	10	cm	Chrysene	15,000		µg/kg
S-66	11/16/96	EPA8270	0	10	cm	d10-2-Methylnaphthalene			%
S-66	11/16/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-66	11/16/96	EPA8270	0	10	cm	Fluoranthene	3,200		µg/kg
S-66	11/16/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	12,000		µg/kg
S-66	11/16/96	EPA8270	0	10	cm	Naphthalene	390		µg/kg
S-66	11/16/96	EPA8270	0	10	cm	Phenanthrene	1,900		µg/kg
S-66	11/16/96	EPA8270	0	10	cm	2-Methylnaphthalene	230		µg/kg
S-66	11/16/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	4,600		µg/kg
S-66	11/16/96	EPA8100M	0	10	cm	Benzo(a)pyrene	17,000	U	µg/kg
S-66	11/16/96	EPA8270	0	10	cm	Acenaphthene	370		µg/kg
S-66	11/16/96	EPA8270	0	10	cm	Acenaphthylene	310		µg/kg
S-66	11/16/96	EPA8100M	0	10	cm	Acenaphthene	17,000	U	µg/kg
S-66	11/16/96	EPA8100M	0	10	cm	Acenaphthylene	17,000	U	µg/kg
S-66	11/16/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	17,000	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-65	11/16/95	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	17,000	U	µg/kg
S-65	11/16/95	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	17,000	U	µg/kg
S-65	11/16/95	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	17,000	U	µg/kg
S-65	11/16/95	EPA8100M	0	10	cm	Fluoranthene	17,000	U	µg/kg
S-65	11/16/95	EPA8100M	0	10	cm	Fluorene	17,000	U	µg/kg
S-65	11/16/95	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	17,000	U	µg/kg
S-65	11/16/95	EPA8100M	0	10	cm	Naphthalene	17,000	U	µg/kg
S-65	11/16/95	EPA8100M	0	10	cm	Phenanthrene	17,000	U	µg/kg
S-65	11/16/95	EPA8100M	0	10	cm	Pyrene	17,000	U	µg/kg
S-65	11/16/95	EPA8100M	0	10	cm	Anthracene	17,000	U	µg/kg
S-68	11/13/95	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	11,000	U	µg/kg
S-68	11/13/95	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	11,000	U	µg/kg
S-68	11/13/95	EPA8100M	0	10	cm	Pyrene	11,000	U	µg/kg
S-68	11/13/95	EPA8100M	0	10	cm	Phenanthrene	11,000	U	µg/kg
S-68	11/13/95	EPA8100M	0	10	cm	Naphthalene	11,000	U	µg/kg
S-68	11/13/95	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	11,000	U	µg/kg
S-68	11/13/95	EPA8100M	0	10	cm	Fluorene	11,000	U	µg/kg
S-68	11/13/95	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	11,000	U	µg/kg
S-68	11/13/95	EPA8100M	0	10	cm	Benzo(a)pyrene	11,000	U	µg/kg
S-68	11/13/95	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	11,000	U	µg/kg
S-68	11/13/95	EPA8100M	0	10	cm	Anthracene	11,000	U	µg/kg
S-68	11/13/95	EPA8100M	0	10	cm	Acenaphthylene	11,000	U	µg/kg
S-68	11/13/95	EPA8100M	0	10	cm	Fluoranthene	11,000	U	µg/kg
S-68	11/13/95	EPA8100M	0	10	cm	Acenaphthene	11,000	U	µg/kg
S-69	11/15/95	EPA8270	0	10	cm	Fluoranthene	240		µg/kg
S-69	11/15/95	EPA8270	0	10	cm	Benzo(a)anthracene	490		µg/kg
S-69	11/15/95	EPA8270	0	10	cm	Benzo(a)pyrene	560		µg/kg
S-69	11/15/95	EPA8270	0	10	cm	Benzo(b)fluoranthene	720		µg/kg
S-69	11/15/95	EPA8270	0	10	cm	Benzo(g,h,i)perylene	390		µg/kg
S-69	11/15/95	EPA8270	0	10	cm	Benzo(k)fluoranthene	500		µg/kg
S-69	11/15/95	EPA8270	0	10	cm	Pyrene	210		µg/kg
S-69	11/15/95	EPA8270	0	10	cm	Chrysene	1,300		µg/kg
S-69	11/15/95	EPA8270	0	10	cm	d10-2-Methylnaphthale			%
S-69	11/15/95	EPA8270	0	10	cm	Dibenz(a,h)anthracene	140		µg/kg
S-69	11/15/95	EPA8100M	0	10	cm	Fluoranthene	13,000	U	µg/kg
S-69	11/15/95	EPA8270	0	10	cm	Fluorene	67		µg/kg
S-69	11/15/95	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	430		µg/kg
S-69	11/15/95	EPA8270	0	10	cm	Naphthalene	67	U	µg/kg
S-69	11/15/95	EPA8270	0	10	cm	Phenanthrene	310		µg/kg
S-69	11/15/95	EPA8270	0	10	cm	Anthracene	310		µg/kg
S-69	11/15/95	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-69	11/15/95	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	13,000	U	µg/kg
S-69	11/15/95	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	13,000	U	µg/kg
S-69	11/15/95	EPA8270	0	10	cm	Acenaphthylene	67	U	µg/kg
S-69	11/15/95	EPA8100M	0	10	cm	Acenaphthene	13,000	U	µg/kg
S-69	11/15/95	EPA8100M	0	10	cm	Anthracene	13,000	U	µg/kg
S-69	11/15/95	EPA8100M	0	10	cm	Benzo(a)pyrene	13,000	U	µg/kg
S-69	11/15/95	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	13,000	U	µg/kg
S-69	11/15/95	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	13,000	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-69	11/15/96	EPA8270	0	10	cm	2-Methylnaphthalene	67	U	µg/kg
S-69	11/15/96	EPA8100M	0	10	cm	Acenaphthylene	13,000	U	µg/kg
S-69	11/15/96	EPA8270	0	10	cm	Acenaphthene	67	U	µg/kg
S-69	11/15/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	13,000	U	µg/kg
S-69	11/15/96	EPA8100M	0	10	cm	Pyrene	13,000	U	µg/kg
S-69	11/15/96	EPA8100M	0	10	cm	Phenanthrene	13,000	U	µg/kg
S-69	11/15/96	EPA8100M	0	10	cm	Naphthalene	13,000	U	µg/kg
S-69	11/15/96	EPA8100M	0	10	cm	Fluorene	13,000	U	µg/kg
S-70	11/15/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	1,600		µg/kg
S-70	11/15/96	EPA8270	0	10	cm	Acenaphthylene	300	U	µg/kg
S-70	11/15/96	EPA8270	0	10	cm	Benzo(a)anthracene	2,100		µg/kg
S-70	11/15/96	EPA8270	0	10	cm	Benzo(a)pyrene	1,600		µg/kg
S-70	11/15/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	1,700		µg/kg
S-70	11/15/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	540		µg/kg
S-70	11/15/96	EPA8270	0	10	cm	Pyrene	1,400		µg/kg
S-70	11/15/96	EPA8270	0	10	cm	Anthracene	620		µg/kg
S-70	11/15/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	18,000	U	µg/kg
S-70	11/15/96	EPA8270	0	10	cm	Chrysene	2,600		µg/kg
S-70	11/15/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	300	U	µg/kg
S-70	11/15/96	EPA8270	0	10	cm	Fluoranthene	1,200		µg/kg
S-70	11/15/96	EPA8270	0	10	cm	Fluorene	300	U	µg/kg
S-70	11/15/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	800		µg/kg
S-70	11/15/96	EPA8270	0	10	cm	Phenanthrene	710		µg/kg
S-70	11/15/96	EPA8270	0	10	cm	Naphthalene	300	U	µg/kg
S-70	11/15/96	EPA8270	0	10	cm	Acenaphthene	300	U	µg/kg
S-70	11/15/96	EPA8100M	0	10	cm	Fluorene	18,000	U	µg/kg
S-70	11/15/96	EPA8100M	0	10	cm	Acenaphthene	18,000	U	µg/kg
S-70	11/15/96	EPA8100M	0	10	cm	Acenaphthylene	18,000	U	µg/kg
S-70	11/15/96	EPA8100M	0	10	cm	Anthracene	18,000	U	µg/kg
S-70	11/15/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	79,000		µg/kg
S-70	11/15/96	EPA8100M	0	10	cm	Benzo(a)pyrene	18,000	U	µg/kg
S-70	11/15/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	18,000	U	µg/kg
S-70	11/15/96	EPA8100M	0	10	cm	Fluoranthene	18,000	U	µg/kg
S-70	11/15/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	18,000	U	µg/kg
S-70	11/15/96	EPA8100M	0	10	cm	Naphthalene	18,000	U	µg/kg
S-70	11/15/96	EPA8100M	0	10	cm	Phenanthrene	18,000	U	µg/kg
S-70	11/15/96	EPA8100M	0	10	cm	Pyrene	18,000	U	µg/kg
S-70	11/15/96	EPA8270	0	10	cm	2-Methylnaphthalene	300	U	µg/kg
S-70	11/15/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	18,000	U	µg/kg
S-71	11/15/96	EPA8270	0	10	cm	Naphthalene	300	U	µg/kg
S-71	11/15/96	EPA8270	0	10	cm	Benzo(a)anthracene	2,000		µg/kg
S-71	11/15/96	EPA8270	0	10	cm	Benzo(a)pyrene	1,800		µg/kg
S-71	11/15/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	2,200		µg/kg
S-71	11/15/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	650		µg/kg
S-71	11/15/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	1,700		µg/kg
S-71	11/15/96	EPA8270	0	10	cm	Chrysene	2,500		µg/kg
S-71	11/15/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	400		µg/kg
S-71	11/15/96	EPA8270	0	10	cm	Fluoranthene	2,100		µg/kg
S-71	11/15/96	EPA8270	0	10	cm	Pyrene	2,200		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-71	11/15/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	800		µg/kg
S-71	11/15/96	EPA8270	0	10	cm	Phenanthrene	790		µg/kg
S-71	11/15/96	EPA8270	0	10	cm	Acenaphthylene	300	U	µg/kg
S-71	11/15/96	EPA8270	0	10	cm	Acenaphthene	300	U	µg/kg
S-71	11/15/96	EPA8270	0	10	cm	Fluorene	300	U	µg/kg
S-71	11/15/96	EPA8100M	0	10	cm	Acenaphthylene	18,000	U	µg/kg
S-71	11/15/96	EPA8270	0	10	cm	Anthracene	840		µg/kg
S-71	11/15/96	EPA8100M	0	10	cm	Acenaphthene	18,000	U	µg/kg
S-71	11/15/96	EPA8100M	0	10	cm	Anthracene	18,000	U	µg/kg
S-71	11/15/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	18,000	U	µg/kg
S-71	11/15/96	EPA8100M	0	10	cm	Benzo(a)pyrene	18,000	U	µg/kg
S-71	11/15/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	18,000	U	µg/kg
S-71	11/15/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	18,000	U	µg/kg
S-71	11/15/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	18,000	U	µg/kg
S-71	11/15/96	EPA8100M	0	10	cm	Fluorene	18,000	U	µg/kg
S-71	11/15/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	18,000	U	µg/kg
S-71	11/15/96	EPA8100M	0	10	cm	Naphthalene	18,000	U	µg/kg
S-71	11/15/96	EPA8100M	0	10	cm	Phenanthrene	18,000	U	µg/kg
S-71	11/15/96	EPA8100M	0	10	cm	Pyrene	18,000	U	µg/kg
S-71	11/15/96	EPA8270	0	10	cm	2-Methylnaphthalene	300	U	µg/kg
S-71	11/15/96	EPA8100M	0	10	cm	Fluoranthene	18,000	U	µg/kg
S-72	11/16/96	EPA8270	0	10	cm	Naphthalene	47	U	µg/kg
S-72	11/16/96	EPA8270	0	10	cm	Benzo(a)pyrene	810		µg/kg
S-72	11/16/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	800		µg/kg
S-72	11/16/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	580		µg/kg
S-72	11/16/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	580		µg/kg
S-72	11/16/96	EPA8270	0	10	cm	Chrysene	670		µg/kg
S-72	11/16/96	EPA8270	0	10	cm	d10-2-Methylnaphthale			%
S-72	11/16/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-72	11/16/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	210		µg/kg
S-72	11/16/96	EPA8270	0	10	cm	Fluoranthene	860		µg/kg
S-72	11/16/96	EPA8270	0	10	cm	Pyrene	730		µg/kg
S-72	11/16/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	640		µg/kg
S-72	11/16/96	EPA8270	0	10	cm	Phenanthrene	210		µg/kg
S-72	11/16/96	EPA8270	0	10	cm	Anthracene	120		µg/kg
S-72	11/16/96	EPA8270	0	10	cm	Acenaphthylene	69		µg/kg
S-72	11/16/96	EPA8270	0	10	cm	Fluorene	47	U	µg/kg
S-72	11/16/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	9,300	U	µg/kg
S-72	11/16/96	EPA8270	0	10	cm	Benzo(a)anthracene	520		µg/kg
S-72	11/16/96	EPA8100M	0	10	cm	Anthracene	9,300	U	µg/kg
S-72	11/16/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	9,300	U	µg/kg
S-72	11/16/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	9,300	U	µg/kg
S-72	11/16/96	EPA8100M	0	10	cm	Acenaphthylene	9,300	U	µg/kg
S-72	11/16/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	9,300	U	µg/kg
S-72	11/16/96	EPA8100M	0	10	cm	Fluoranthene	9,300	U	µg/kg
S-72	11/16/96	EPA8100M	0	10	cm	Acenaphthene	9,300	U	µg/kg
S-72	11/16/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	9,300	U	µg/kg
S-72	11/16/96	EPA8100M	0	10	cm	Naphthalene	9,300	U	µg/kg
S-72	11/16/96	EPA8100M	0	10	cm	Phenanthrene	9,300	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-72	11/16/96	EPA8100M	0	10	cm	Pyrene	9,300	U	µg/kg
S-72	11/16/96	EPA8270	0	10	cm	2-Methylnaphthalene	47	U	µg/kg
S-72	11/16/96	EPA8100M	0	10	cm	Fluorene	9,300	U	µg/kg
S-72	11/16/96	EPA8100M	0	10	cm	Benzo(a)pyrene	9,300	U	µg/kg
S-72	11/16/96	EPA8270	0	10	cm	Acenaphthene	47	U	µg/kg
S-73	11/16/96	EPA8270	0	10	cm	Chrysene	5,600		µg/kg
S-73	11/16/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	3,900		µg/kg
S-73	11/16/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	4,100		µg/kg
S-73	11/16/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	5,600		µg/kg
S-73	11/16/96	EPA8270	0	10	cm	Benzo(a)pyrene	6,600		µg/kg
S-73	11/16/96	EPA8270	0	10	cm	Anthracene	550		µg/kg
S-73	11/16/96	EPA8270	0	10	cm	d10-2-Methylnaphthale			%
S-73	11/16/96	EPA8270	0	10	cm	Benzo(a)anthracene	2,900		µg/kg
S-73	11/16/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-73	11/16/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	1,100		µg/kg
S-73	11/16/96	EPA8270	0	10	cm	Fluoranthene	1,800		µg/kg
S-73	11/16/96	EPA8270	0	10	cm	Fluorene	230		µg/kg
S-73	11/16/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	3,500		µg/kg
S-73	11/16/96	EPA8270	0	10	cm	Naphthalene	600		µg/kg
S-73	11/16/96	EPA8270	0	10	cm	Pyrene	2,200		µg/kg
S-73	11/16/96	EPA8270	0	10	cm	2-Methylnaphthalene	120		µg/kg
S-73	11/16/96	EPA8270	0	10	cm	Phenanthrene	920		µg/kg
S-73	11/16/96	EPA8100M	0	10	cm	Acenaphthylene	11,000	U	µg/kg
S-73	11/16/96	EPA8270	0	10	cm	Acenaphthylene	120		µg/kg
S-73	11/16/96	EPA8100M	0	10	cm	Acenaphthene	11,000	U	µg/kg
S-73	11/16/96	EPA8270	0	10	cm	Acenaphthene	300		µg/kg
S-73	11/16/96	EPA8100M	0	10	cm	Anthracene	11,000	U	µg/kg
S-73	11/16/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	11,000	U	µg/kg
S-73	11/16/96	EPA8100M	0	10	cm	Benzo(a)pyrene	11,000	U	µg/kg
S-73	11/16/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	11,000	U	µg/kg
S-73	11/16/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	11,000	U	µg/kg
S-73	11/16/96	EPA8100M	0	10	cm	Fluoranthene	11,000	U	µg/kg
S-73	11/16/96	EPA8100M	0	10	cm	Fluorene	11,000	U	µg/kg
S-73	11/16/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	11,000	U	µg/kg
S-73	11/16/96	EPA8100M	0	10	cm	Naphthalene	11,000	U	µg/kg
S-73	11/16/96	EPA8100M	0	10	cm	Phenanthrene	11,000	U	µg/kg
S-73	11/16/96	EPA8100M	0	10	cm	Pyrene	11,000	U	µg/kg
S-73	11/16/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	11,000	U	µg/kg
S-74	11/16/96	EPA8270	0	10	cm	Fluorene	270	U	µg/kg
S-74	11/16/96	EPA8270	0	10	cm	Acenaphthylene	270	U	µg/kg
S-74	11/16/96	EPA8270	0	10	cm	Anthracene	420		µg/kg
S-74	11/16/96	EPA8270	0	10	cm	Benzo(a)anthracene	3,400		µg/kg
S-74	11/16/96	EPA8270	0	10	cm	Benzo(a)pyrene	10,000		µg/kg
S-74	11/16/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	10,000		µg/kg
S-74	11/16/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	5,400		µg/kg
S-74	11/16/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	7,300		µg/kg
S-74	11/16/96	EPA8270	0	10	cm	Chrysene	6,000		µg/kg
S-74	11/16/96	EPA8270	0	10	cm	Phenanthrene	1,100		µg/kg
S-74	11/16/96	EPA8270	0	10	cm	Pyrene	2,400		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-74	11/16/96	EPA8270	0	10	cm	Acenaphthene	280		µg/kg
S-74	11/16/96	EPA8270	0	10	cm	Naphthalene	270	U	µg/kg
S-74	11/16/96	EPA8270	0	10	cm	Fluoranthene	1,500		µg/kg
S-74	11/16/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	2,500		µg/kg
S-74	11/16/96	EPA8270	0	10	cm	2-Methylnaphthalene	270	U	µg/kg
S-74	11/16/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	4,600		µg/kg
S-74	11/16/96	EPA8100M	0	10	cm	Acenaphthene	16,000	U	µg/kg
S-74	11/16/96	EPA8100M	0	10	cm	Acenaphthylene	16,000	U	µg/kg
S-74	11/16/96	EPA8100M	0	10	cm	Anthracene	16,000	U	µg/kg
S-74	11/16/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	21,000		µg/kg
S-74	11/16/96	EPA8100M	0	10	cm	Benzo(a)pyrene	16,000	U	µg/kg
S-74	11/16/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	16,000	U	µg/kg
S-74	11/16/96	EPA8100M	0	10	cm	Pyrene	16,000	U	µg/kg
S-74	11/16/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	16,000	U	µg/kg
S-74	11/16/96	EPA8100M	0	10	cm	Fluoranthene	16,000	U	µg/kg
S-74	11/16/96	EPA8100M	0	10	cm	Fluorene	16,000	U	µg/kg
S-74	11/16/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	16,000	U	µg/kg
S-74	11/16/96	EPA8100M	0	10	cm	Naphthalene	16,000	U	µg/kg
S-74	11/16/96	EPA8100M	0	10	cm	Phenanthrene	16,000	U	µg/kg
S-74	11/16/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	16,000	U	µg/kg
S-75	11/16/96	EPA8270	0	10	cm	d10-2-Methylnaphthale			%
S-75	11/16/96	EPA8270	0	10	cm	Chrysene	13,000		µg/kg
S-75	11/16/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	16,000		µg/kg
S-75	11/16/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	14,000		µg/kg
S-75	11/16/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-75	11/16/96	EPA8270	0	10	cm	Benzo(a)pyrene	21,000		µg/kg
S-75	11/16/96	EPA8270	0	10	cm	Naphthalene	300		µg/kg
S-75	11/16/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	17,000		µg/kg
S-75	11/16/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	3,500		µg/kg
S-75	11/16/96	EPA8270	0	10	cm	Fluoranthene	2,000		µg/kg
S-75	11/16/96	EPA8270	0	10	cm	Pyrene	2,500		µg/kg
S-75	11/16/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	11,000		µg/kg
S-75	11/16/96	EPA8270	0	10	cm	Phenanthrene	520		µg/kg
S-75	11/16/96	EPA8270	0	10	cm	Benzo(a)anthracene	7,600		µg/kg
S-75	11/16/96	EPA8270	0	10	cm	Acenaphthene	150		µg/kg
S-75	11/16/96	EPA8270	0	10	cm	Fluorene	140		µg/kg
S-75	11/16/96	EPA8100M	0	10	cm	Anthracene	17,000	U	µg/kg
S-75	11/16/96	EPA8100M	0	10	cm	Acenaphthene	17,000	U	µg/kg
S-75	11/16/96	EPA8270	0	10	cm	Anthracene	580		µg/kg
S-75	11/16/96	EPA8100M	0	10	cm	Acenaphthylene	17,000	U	µg/kg
S-75	11/16/96	EPA8270	0	10	cm	Acenaphthylene	300		µg/kg
S-75	11/16/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	17,000	U	µg/kg
S-75	11/16/96	EPA8100M	0	10	cm	Benzo(a)pyrene	17,000	U	µg/kg
S-75	11/16/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	17,000	U	µg/kg
S-75	11/16/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	17,000	U	µg/kg
S-75	11/16/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	17,000	U	µg/kg
S-75	11/16/96	EPA8100M	0	10	cm	Fluorene	17,000	U	µg/kg
S-75	11/16/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	17,000	U	µg/kg
S-75	11/16/96	EPA8100M	0	10	cm	Naphthalene	17,000	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-75	11/16/96	EPA8100M	0	10	cm	Phenanthrene	17,000	U	µg/kg
S-75	11/16/96	EPA8100M	0	10	cm	Pyrene	17,000	U	µg/kg
S-75	11/16/96	EPA8270	0	10	cm	2-Methylnaphthalene	85	U	µg/kg
S-75	11/16/96	EPA8100M	0	10	cm	Fluoranthene	17,000	U	µg/kg
S-78	11/15/96	EPA8270	0	10	cm	Fluorene	35		µg/kg
S-78	11/15/96	EPA8270	0	10	cm	Anthracene	67		µg/kg
S-78	11/15/96	EPA8270	0	10	cm	Benzo(e)anthracene	510		µg/kg
S-78	11/15/96	EPA8270	0	10	cm	Benzo(a)pyrene	630		µg/kg
S-78	11/15/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	770		µg/kg
S-78	11/15/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	420		µg/kg
S-78	11/15/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	410		µg/kg
S-78	11/15/96	EPA8270	0	10	cm	Chrysene	730		µg/kg
S-78	11/15/96	EPA8270	0	10	cm	Pyrene	520		µg/kg
S-78	11/15/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-78	11/15/96	EPA8270	0	10	cm	Phenanthrene	230		µg/kg
S-78	11/15/96	EPA8270	0	10	cm	Fluoranthene	560		µg/kg
S-78	11/15/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	360		µg/kg
S-78	11/15/96	EPA8270	0	10	cm	Naphthalene	23	U	µg/kg
S-78	11/15/96	EPA8270	0	10	cm	d10-2-Methylnaphthale			%
S-78	11/15/96	EPA8270	0	10	cm	Acenaphthylene	23	U	µg/kg
S-78	11/15/96	EPA8100M	0	10	cm	Benzo(a)pyrene	14,000	U	µg/kg
S-78	11/15/96	EPA8270	0	10	cm	Acenaphthene	23	U	µg/kg
S-78	11/15/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	90		µg/kg
S-78	11/15/96	EPA8100M	0	10	cm	Acenaphthene	14,000	U	µg/kg
S-78	11/15/96	EPA8100M	0	10	cm	Acenaphthylene	14,000	U	µg/kg
S-78	11/15/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	14,000	U	µg/kg
S-78	11/15/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	14,000	U	µg/kg
S-78	11/15/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	14,000	U	µg/kg
S-78	11/15/96	EPA8100M	0	10	cm	Phenanthrene	14,000	U	µg/kg
S-78	11/15/96	EPA8100M	0	10	cm	Anthracene	14,000	U	µg/kg
S-78	11/15/96	EPA8100M	0	10	cm	Pyrene	14,000	U	µg/kg
S-78	11/15/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	14,000	U	µg/kg
S-78	11/15/96	EPA8100M	0	10	cm	Naphthalene	14,000	U	µg/kg
S-78	11/15/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	14,000	U	µg/kg
S-78	11/15/96	EPA8100M	0	10	cm	Fluorene	14,000	U	µg/kg
S-78	11/15/96	EPA8100M	0	10	cm	Fluoranthene	14,000	U	µg/kg
S-78	11/15/96	EPA8270	0	10	cm	2-Methylnaphthalene	23	U	µg/kg
S-80	11/13/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	10,000	U	µg/kg
S-80	11/13/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	10,000	U	µg/kg
S-80	11/13/96	EPA8100M	0	10	cm	Pyrene	17,000		µg/kg
S-80	11/13/96	EPA8100M	0	10	cm	Phenanthrene	10,000	U	µg/kg
S-80	11/13/96	EPA8100M	0	10	cm	Naphthalene	10,000	U	µg/kg
S-80	11/13/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	10,000	U	µg/kg
S-80	11/13/96	EPA8100M	0	10	cm	Fluorene	10,000	U	µg/kg
S-80	11/13/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	10,000	U	µg/kg
S-80	11/13/96	EPA8100M	0	10	cm	Benzo(a)pyrene	10,000	U	µg/kg
S-80	11/13/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	10,000	U	µg/kg
S-80	11/13/96	EPA8100M	0	10	cm	Anthracene	10,000	U	µg/kg
S-80	11/13/96	EPA8100M	0	10	cm	Acenaphthylene	10,000	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-80	11/13/98	EPA8100M	0	10	cm	Acenaphthene	10,000	U	µg/kg
S-80	11/13/98	EPA8100M	0	10	cm	Fluoranthene	10,000	U	µg/kg
S-81	11/16/96	EPA8270	0	10	cm	Fluoranthene	830		µg/kg
S-81	11/16/96	EPA8270	0	10	cm	Benzo(a)anthracene	2,200		µg/kg
S-81	11/16/96	EPA8270	0	10	cm	Benzo(a)pyrene	4,800		µg/kg
S-81	11/16/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	4,100		µg/kg
S-81	11/16/96	EPA8270	0	10	cm	Pyrene	800		µg/kg
S-81	11/16/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	2,700		µg/kg
S-81	11/16/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	3,100		µg/kg
S-81	11/16/96	EPA8270	0	10	cm	Chrysene	4,300		µg/kg
S-81	11/16/96	EPA8270	0	10	cm	d10-2-Methylnaphthalene			%
S-81	11/16/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	740		µg/kg
S-81	11/16/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	12,000	U	µg/kg
S-81	11/16/96	EPA8270	0	10	cm	Fluorene	70		µg/kg
S-81	11/16/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	3,100		µg/kg
S-81	11/16/96	EPA8270	0	10	cm	Naphthalene	34		µg/kg
S-81	11/16/96	EPA8270	0	10	cm	Phenanthrene	550		µg/kg
S-81	11/16/96	EPA8270	0	10	cm	Anthracene	780		µg/kg
S-81	11/16/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)acridine			%
S-81	11/16/96	EPA8100M	0	10	cm	Anthracene	12,000	U	µg/kg
S-81	11/16/96	EPA8100M	0	10	cm	Phenanthrene	12,000	U	µg/kg
S-81	11/16/96	EPA8270	0	10	cm	Acenaphthylene	88		µg/kg
S-81	11/16/96	EPA8100M	0	10	cm	Acenaphthylene	12,000	U	µg/kg
S-81	11/16/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	12,000	U	µg/kg
S-81	11/16/96	EPA8100M	0	10	cm	Benzo(a)pyrene	12,000	U	µg/kg
S-81	11/16/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	12,000	U	µg/kg
S-81	11/16/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	12,000	U	µg/kg
S-81	11/16/96	EPA8270	0	10	cm	2-Methylnaphthalene	20	U	µg/kg
S-81	11/16/96	EPA8100M	0	10	cm	Fluoranthene	12,000	U	µg/kg
S-81	11/16/96	EPA8100M	0	10	cm	Fluorene	12,000	U	µg/kg
S-81	11/16/96	EPA8100M	0	10	cm	Naphthalene	12,000	U	µg/kg
S-81	11/16/96	EPA8100M	0	10	cm	Pyrene	12,000	U	µg/kg
S-81	11/16/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	12,000	U	µg/kg
S-81	11/16/96	EPA8100M	0	10	cm	Acenaphthene	12,000	U	µg/kg
S-81	11/16/96	EPA8270	0	10	cm	Acenaphthene	60		µg/kg
S-82	11/16/96	EPA8100M	0	10	cm	Naphthalene	18,000	U	µg/kg
S-82	11/16/96	EPA8100M	0	10	cm	Phenanthrene	18,000	U	µg/kg
S-82	11/16/96	EPA8100M	0	10	cm	Pyrene	18,000	U	µg/kg
S-82	11/16/96	EPA8270	0	10	cm	2-Methylnaphthalene	120		µg/kg
S-82	11/16/96	EPA8270	0	10	cm	Acenaphthene	830		µg/kg
S-82	11/16/96	EPA8270	0	10	cm	Anthracene	1,500		µg/kg
S-82	11/16/96	EPA8270	0	10	cm	Benzo(a)anthracene	2,300		µg/kg
S-82	11/16/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	18,000	U	µg/kg
S-82	11/16/96	EPA8100M	0	10	cm	Acenaphthylene	18,000	U	µg/kg
S-82	11/16/96	EPA8270	0	10	cm	Acenaphthylene	360		µg/kg
S-82	11/16/96	EPA8100M	0	10	cm	Fluorene	18,000	U	µg/kg
S-82	11/16/96	EPA8100M	0	10	cm	Fluoranthene	18,000	U	µg/kg
S-82	11/16/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	18,000	U	µg/kg
S-82	11/16/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	18,000	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-82	11/16/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	18,000	U	µg/kg
S-82	11/16/96	EPA8100M	0	10	cm	Benzo(a)pyrene	18,000	U	µg/kg
S-82	11/16/96	EPA8100M	0	10	cm	Anthracene	18,000	U	µg/kg
S-82	11/16/96	EPA8100M	0	10	cm	Acenaphthene	18,000	U	µg/kg
S-82	11/16/96	EPA8270	0	10	cm	Benzo(a)pyrene	4,000		µg/kg
S-82	11/16/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	18,000	U	µg/kg
S-82	11/16/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	2,100		µg/kg
S-82	11/16/96	EPA8270	0	10	cm	Pyrene	4,000		µg/kg
S-82	11/16/96	EPA8270	0	10	cm	Naphthalene	290		µg/kg
S-82	11/16/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	2,000		µg/kg
S-82	11/16/96	EPA8270	0	10	cm	Fluorene	500		µg/kg
S-82	11/16/96	EPA8270	0	10	cm	Fluoranthene	5,600		µg/kg
S-82	11/16/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	610		µg/kg
S-82	11/16/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-82	11/16/96	EPA8270	0	10	cm	d10-2-Methylnaphthale			%
S-82	11/16/96	EPA8270	0	10	cm	Chrysene	2,600		µg/kg
S-82	11/16/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	2,700		µg/kg
S-82	11/16/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	2,400		µg/kg
S-82	11/16/96	EPA8270	0	10	cm	Phenanthrene	3,500		µg/kg
S-83	11/16/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-83	11/16/96	EPA8270	0	10	cm	Benzo(a)anthracene	1,200		µg/kg
S-83	11/16/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	3,300		µg/kg
S-83	11/16/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	2,000		µg/kg
S-83	11/16/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	2,500		µg/kg
S-83	11/16/96	EPA8270	0	10	cm	Chrysene	2,300		µg/kg
S-83	11/16/96	EPA8270	0	10	cm	d10-2-Methylnaphthale			%
S-83	11/16/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	770		µg/kg
S-83	11/16/96	EPA8270	0	10	cm	Fluoranthene	2,600		µg/kg
S-83	11/16/96	EPA8270	0	10	cm	Fluorene	270		µg/kg
S-83	11/16/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	1,700		µg/kg
S-83	11/16/96	EPA8270	0	10	cm	Naphthalene	190		µg/kg
S-83	11/16/96	EPA8270	0	10	cm	Acenaphthylene	160		µg/kg
S-83	11/16/96	EPA8270	0	10	cm	Pyrene	1,900		µg/kg
S-83	11/16/96	EPA8270	0	10	cm	Anthracene	3,500		µg/kg
S-83	11/16/96	EPA8270	0	10	cm	Phenanthrene	1,400		µg/kg
S-83	11/16/96	EPA8100M	0	10	cm	Acenaphthylene	16,000	U	µg/kg
S-83	11/16/96	EPA8270	0	10	cm	Benzo(a)pyrene	3,500		µg/kg
S-83	11/16/96	EPA8100M	0	10	cm	Acenaphthene	16,000	U	µg/kg
S-83	11/16/96	EPA8270	0	10	cm	Acenaphthene	250		µg/kg
S-83	11/16/96	EPA8100M	0	10	cm	Anthracene	16,000	U	µg/kg
S-83	11/16/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	16,000	U	µg/kg
S-83	11/16/96	EPA8100M	0	10	cm	Benzo(a)pyrene	16,000	U	µg/kg
S-83	11/16/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	16,000	U	µg/kg
S-83	11/16/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	16,000	U	µg/kg
S-83	11/16/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	16,000	U	µg/kg
S-83	11/16/96	EPA8100M	0	10	cm	Fluorene	16,000	U	µg/kg
S-83	11/16/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	16,000	U	µg/kg
S-83	11/16/96	EPA8100M	0	10	cm	Naphthalene	16,000	U	µg/kg
S-83	11/16/96	EPA8100M	0	10	cm	Phenanthrene	16,000	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-83	11/16/96	EPA8100M	0	10	cm	Pyrene	16,000	U	µg/kg
S-83	11/16/96	EPA8270	0	10	cm	2-Methylnaphthalene	120		µg/kg
S-83	11/16/96	EPA8100M	0	10	cm	Fluoranthene	16,000	U	µg/kg
S-84	11/16/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	1,700		µg/kg
S-84	11/16/96	EPA8270	0	10	cm	Benzo(a)anthracene	1,700		µg/kg
S-84	11/16/96	EPA8270	0	10	cm	Benzo(a)pyrene	2,700		µg/kg
S-84	11/16/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	2,700		µg/kg
S-84	11/16/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	1,400		µg/kg
S-84	11/16/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	1,700		µg/kg
S-84	11/16/96	EPA8270	0	10	cm	Chrysene	2,400		µg/kg
S-84	11/16/96	EPA8270	0	10	cm	d10-2-Methylnaphthale			%
S-84	11/16/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-84	11/16/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	490		µg/kg
S-84	11/16/96	EPA8270	0	10	cm	Pyrene	3,500		µg/kg
S-84	11/16/96	EPA8270	0	10	cm	Fluorene	460		µg/kg
S-84	11/16/96	EPA8270	0	10	cm	Naphthalene	190		µg/kg
S-84	11/16/96	EPA8270	0	10	cm	Phenanthrene	3,300		µg/kg
S-84	11/16/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	7,100	U	µg/kg
S-84	11/16/96	EPA8270	0	10	cm	Anthracene	880		µg/kg
S-84	11/16/96	EPA8270	0	10	cm	Fluoranthene	3,500		µg/kg
S-84	11/16/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	7,100	U	µg/kg
S-84	11/16/96	EPA8270	0	10	cm	Acenaphthylene	61		µg/kg
S-84	11/16/96	EPA8100M	0	10	cm	Phenanthrene	7,100	U	µg/kg
S-84	11/16/96	EPA8100M	0	10	cm	Acenaphthylene	7,100	U	µg/kg
S-84	11/16/96	EPA8100M	0	10	cm	Anthracene	7,100	U	µg/kg
S-84	11/16/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	7,100	U	µg/kg
S-84	11/16/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	7,100	U	µg/kg
S-84	11/16/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	7,100	U	µg/kg
S-84	11/16/96	EPA8100M	0	10	cm	Fluoranthene	7,100	U	µg/kg
S-84	11/16/96	EPA8100M	0	10	cm	Fluorene	7,100	U	µg/kg
S-84	11/16/96	EPA8100M	0	10	cm	Naphthalene	7,100	U	µg/kg
S-84	11/16/96	EPA8100M	0	10	cm	Acenaphthene	7,100	U	µg/kg
S-84	11/16/96	EPA8100M	0	10	cm	Pyrene	7,100	U	µg/kg
S-84	11/16/96	EPA8270	0	10	cm	2-Methylnaphthalene	120		µg/kg
S-84	11/16/96	EPA8270	0	10	cm	Acenaphthene	480		µg/kg
S-84	11/16/96	EPA8100M	0	10	cm	Benzo(a)pyrene	7,100	U	µg/kg
S-85	11/13/96	EPA8100M	0	10	cm	Fluoranthene	6,200	U	µg/kg
S-85	11/13/96	EPA8100M	0	10	cm	Pyrene	11,000		µg/kg
S-85	11/13/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	6,200	U	µg/kg
S-85	11/13/96	EPA8100M	0	10	cm	Phenanthrene	6,200	U	µg/kg
S-85	11/13/96	EPA8100M	0	10	cm	Naphthalene	6,200	U	µg/kg
S-85	11/13/96	EPA8100M	0	10	cm	Fluorene	6,200	U	µg/kg
S-85	11/13/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	6,200	U	µg/kg
S-85	11/13/96	EPA8100M	0	10	cm	Benzo(a)pyrene	6,200	U	µg/kg
S-85	11/13/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	6,200	U	µg/kg
S-85	11/13/96	EPA8100M	0	10	cm	Anthracene	6,200	U	µg/kg
S-85	11/13/96	EPA8100M	0	10	cm	Acenaphthylene	6,200	U	µg/kg
S-85	11/13/96	EPA8100M	0	10	cm	Acenaphthene	6,200	U	µg/kg
S-85	11/13/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	6,200	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-85	11/13/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	5,200	U	µg/kg
S-89	11/13/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	16,000	U	µg/kg
S-89	11/13/96	EPA8100M	0	10	cm	Pyrene	16,000	U	µg/kg
S-89	11/13/96	EPA8100M	0	10	cm	Phenanthrene	16,000	U	µg/kg
S-89	11/13/96	EPA8100M	0	10	cm	Naphthalene	16,000	U	µg/kg
S-89	11/13/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	16,000	U	µg/kg
S-89	11/13/96	EPA8100M	0	10	cm	Fluorene	16,000	U	µg/kg
S-89	11/13/96	EPA8100M	0	10	cm	Fluoranthene	16,000	U	µg/kg
S-89	11/13/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	16,000	U	µg/kg
S-89	11/13/96	EPA8100M	0	10	cm	Benzo(a)pyrene	16,000	U	µg/kg
S-89	11/13/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	16,000	U	µg/kg
S-89	11/13/96	EPA8100M	0	10	cm	Anthracene	16,000	U	µg/kg
S-89	11/13/96	EPA8100M	0	10	cm	Acenaphthylene	16,000	U	µg/kg
S-89	11/13/96	EPA8100M	0	10	cm	Acenaphthene	16,000	U	µg/kg
S-89	11/13/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	16,000	U	µg/kg
S-90	11/16/96	EPA8100M	0	10	cm	Phenanthrene	15,000	U	µg/kg
S-90	11/16/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	15,000	U	µg/kg
S-90	11/16/96	EPA8100M	0	10	cm	Pyrene	15,000	U	µg/kg
S-90	11/16/96	EPA8100M	0	10	cm	Naphthalene	15,000	U	µg/kg
S-90	11/16/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	15,000	U	µg/kg
S-90	11/16/96	EPA8100M	0	10	cm	Fluorene	15,000	U	µg/kg
S-90	11/16/96	EPA8100M	0	10	cm	Fluoranthene	15,000	U	µg/kg
S-90	11/16/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	15,000	U	µg/kg
S-90	11/16/96	EPA8100M	0	10	cm	Benzo(a)pyrene	15,000	U	µg/kg
S-90	11/16/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	15,000	U	µg/kg
S-90	11/16/96	EPA8100M	0	10	cm	Anthracene	15,000	U	µg/kg
S-90	11/16/96	EPA8100M	0	10	cm	Acenaphthene	15,000	U	µg/kg
S-90	11/16/96	EPA8100M	0	10	cm	Acenaphthylene	15,000	U	µg/kg
S-90	11/16/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	15,000	U	µg/kg
S-96	11/13/96	EPA8270	0	10	cm	Phenanthrene	370		µg/kg
S-96	11/13/96	EPA8270	0	10	cm	Benzo(a)anthracene	470		µg/kg
S-96	11/13/96	EPA8270	0	10	cm	Benzo(a)pyrene	720		µg/kg
S-96	11/13/96	EPA8270	0	10	cm	Benzo(b)fluoranthene	520		µg/kg
S-96	11/13/96	EPA8270	0	10	cm	Benzo(g,h,i)perylene	340		µg/kg
S-96	11/13/96	EPA8270	0	10	cm	Benzo(k)fluoranthene	400		µg/kg
S-96	11/13/96	EPA8270	0	10	cm	Chrysene	770		µg/kg
S-96	11/13/96	EPA8270	0	10	cm	d10-2-Methylnaphthalene			%
S-96	11/13/96	EPA8270	0	10	cm	d14-Dibenzo(a,h)anthra			%
S-96	11/13/96	EPA8270	0	10	cm	Fluoranthene	680		µg/kg
S-96	11/13/96	EPA8270	0	10	cm	Anthracene	140		µg/kg
S-96	11/13/96	EPA8270	0	10	cm	Naphthalene	75	U	µg/kg
S-96	11/13/96	EPA8270	0	10	cm	Dibenz(a,h)anthracene	85		µg/kg
S-96	11/13/96	EPA8270	0	10	cm	Pyrene	720		µg/kg
S-96	11/13/96	EPA8100M	0	10	cm	Acenaphthene	15,000	U	µg/kg
S-96	11/13/96	EPA8270	0	10	cm	Indeno(1,2,3-cd)pyrene	280		µg/kg
S-96	11/13/96	EPA8100M	0	10	cm	Benzo(b,k)fluoranthene	15,000	U	µg/kg
S-96	11/13/96	EPA8270	0	10	cm	Fluorene	75	U	µg/kg
S-96	11/13/96	EPA8270	0	10	cm	Acenaphthylene	75	U	µg/kg
S-96	11/13/96	EPA8100M	0	10	cm	Anthracene	15,000	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-96	11/13/96	EPA8100M	0	10	cm	Benzo(a)anthracene/Ch	15,000	U	µg/kg
S-96	11/13/96	EPA8100M	0	10	cm	Benzo(a)pyrene	15,000	U	µg/kg
S-96	11/13/96	EPA8100M	0	10	cm	Benzo(g,h,i)perylene	15,000	U	µg/kg
S-96	11/13/96	EPA8100M	0	10	cm	Acenaphthylene	15,000	U	µg/kg
S-96	11/13/96	EPA8100M	0	10	cm	Dibenz(a,h)anthracene	15,000	U	µg/kg
S-96	11/13/96	EPA8100M	0	10	cm	Fluorene	15,000	U	µg/kg
S-96	11/13/96	EPA8100M	0	10	cm	Indeno(1,2,3-cd)pyrene	15,000	U	µg/kg
S-96	11/13/96	EPA8100M	0	10	cm	Naphthalene	15,000	U	µg/kg
S-96	11/13/96	EPA8270	0	10	cm	Acenaphthene	78	U	µg/kg
S-96	11/13/96	EPA8100M	0	10	cm	Phenanthrene	15,000	U	µg/kg
S-96	11/13/96	EPA8100M	0	10	cm	Pyrene	15,000	U	µg/kg
S-96	11/13/96	EPA8100M	0	10	cm	Fluoranthene	16,000		µg/kg
S-96	11/13/96	EPA8270	0	10	cm	2-Methylnaphthalene	75	U	µg/kg
VS-1	1/27/97	EPA8270SI	0	10	cm	Phenanthrene	52		µg/kg
VS-1	1/27/97	EPA8270SI	0	10	cm	d14-Dibenzo(a,h)anthra			%
VS-1	1/27/97	EPA8270SI	0	10	cm	Dibenz(a,h)anthracene	25	U	µg/kg
VS-1	1/27/97	EPA8270SI	0	10	cm	Fluoranthene	48		µg/kg
VS-1	1/27/97	EPA8270SI	0	10	cm	Fluorene	28	U	µg/kg
VS-1	1/27/97	EPA8270SI	0	10	cm	Pyrene	48		µg/kg
VS-1	1/27/97	EPA8270SI	0	10	cm	Naphthalene	25	U	µg/kg
VS-1	1/27/97	EPA8270SI	0	10	cm	d10-2-Methylnaphthale			%
VS-1	1/27/97	EPA8270SI	0	10	cm	Benzo(a)pyrene	35		µg/kg
VS-1	1/27/97	EPA8270SI	0	10	cm	Indeno(1,2,3-cd)pyrene	35	M	µg/kg
VS-1	1/27/97	EPA8270SI	0	10	cm	Benzo(k)fluoranthene	42	M	µg/kg
VS-1	1/27/97	EPA8270SI	0	10	cm	Benzo(b)fluoranthene	42		µg/kg
VS-1	1/27/97	EPA8270SI	0	10	cm	Benzo(a)anthracene	28		µg/kg
VS-1	1/27/97	EPA8270SI	0	10	cm	Anthracene	55		µg/kg
VS-1	1/27/97	EPA8270SI	0	10	cm	Acenaphthylene	25	U	µg/kg
VS-1	1/27/97	EPA8270SI	0	10	cm	Acenaphthene	25	U	µg/kg
VS-1	1/27/97	EPA8270SI	0	10	cm	2-Methylnaphthalene	25	U	µg/kg
VS-1	1/27/97	EPA8270SI	0	10	cm	Chrysene	38		µg/kg
VS-1	1/27/97	EPA8270SI	0	10	cm	Benzo(g,h,i)perylene	25		µg/kg
VS-10	1/28/97	EPA8270SI	0	30	cm	d10-2-Methylnaphthale			%
VS-10	1/28/97	EPA8270SI	0	30	cm	d14-Dibenzo(a,h)anthra			%
VS-10	1/28/97	EPA8270SI	0	30	cm	Dibenz(a,h)anthracene	44		µg/kg
VS-10	1/28/97	EPA8270SI	0	30	cm	Fluoranthene	400		µg/kg
VS-10	1/28/97	EPA8270SI	0	30	cm	Pyrene	360		µg/kg
VS-10	1/28/97	EPA8270SI	0	30	cm	Fluorene	140		µg/kg
VS-10	1/28/97	EPA8270SI	0	30	cm	Anthracene	190		µg/kg
VS-10	1/28/97	EPA8270SI	0	30	cm	Indeno(1,2,3-cd)pyrene	130		µg/kg
VS-10	1/28/97	EPA8270SI	0	30	cm	Phenanthrene	710		µg/kg
VS-10	1/28/97	EPA8270SI	0	30	cm	Naphthalene	160		µg/kg
VS-10	1/28/97	EPA8270SI	0	30	cm	Benzo(a)pyrene	300		µg/kg
VS-10	1/28/97	EPA8270SI	0	30	cm	Chrysene	320		µg/kg
VS-10	1/28/97	EPA8270SI	0	30	cm	2-Methylnaphthalene	110		µg/kg
VS-10	1/28/97	EPA8270SI	0	30	cm	Acenaphthene	200		µg/kg
VS-10	1/28/97	EPA8270SI	0	30	cm	Acenaphthylene	19	U	µg/kg
VS-10	1/28/97	EPA8270SI	0	30	cm	Benzo(a)anthracene	210		µg/kg
VS-10	1/28/97	EPA8270SI	0	30	cm	Benzo(b)fluoranthene	240		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
VS-10	1/28/97	EPA8270SI	0	30	cm	Benzo(g,h,i)perylene	110		µg/kg
VS-10	1/28/97	EPA8270SI	0	30	cm	Benzo(k)fluoranthene	240		µg/kg
VS-11	1/28/97	EPA8270SI	9	30	cm	d10-2-Methylnaphthale			%
VS-11	1/28/97	EPA8270SI	9	30	cm	Chrysene	790		µg/kg
VS-11	1/28/97	EPA8270SI	9	30	cm	Phenanthrene	900		µg/kg
VS-11	1/28/97	EPA8270SI	9	30	cm	Naphthalene	130		µg/kg
VS-11	1/28/97	EPA8270SI	9	30	cm	Indeno(1,2,3-cd)pyrene	580		µg/kg
VS-11	1/28/97	EPA8270SI	9	30	cm	Fluorene	150		µg/kg
VS-11	1/28/97	EPA8270SI	9	30	cm	Fluoranthene	1,000		µg/kg
VS-11	1/28/97	EPA8270SI	9	30	cm	d14-Dibenzo(a,h)anthra			%
VS-11	1/28/97	EPA8270SI	9	30	cm	Pyrene	740		µg/kg
VS-11	1/28/97	EPA8270SI	9	30	cm	2-Methylnaphthalene	74		µg/kg
VS-11	1/28/97	EPA8270SI	9	30	cm	Benzo(g,h,i)perylene	490		µg/kg
VS-11	1/28/97	EPA8270SI	9	30	cm	Benzo(b)fluoranthene	1,200		µg/kg
VS-11	1/28/97	EPA8270SI	9	30	cm	Benzo(a)pyrene	1,200		µg/kg
VS-11	1/28/97	EPA8270SI	9	30	cm	Benzo(a)anthracene	610		µg/kg
VS-11	1/28/97	EPA8270SI	9	30	cm	Anthracene	340		µg/kg
VS-11	1/28/97	EPA8270SI	9	30	cm	Acenaphthylene	19		µg/kg
VS-11	1/28/97	EPA8270SI	9	30	cm	Acenaphthene	130		µg/kg
VS-11	1/28/97	EPA8270SI	9	30	cm	Benzo(k)fluoranthene	610		µg/kg
VS-11	1/28/97	EPA8270SI	9	30	cm	Dibenz(a,h)anthracene	180		µg/kg
VS-18	1/28/97	EPA8270SI	0	9	cm	Anthracene	2,900		µg/kg
VS-18	1/28/97	EPA8270SI	0	9	cm	Fluoranthene	11,000		µg/kg
VS-18	1/28/97	EPA8270SI	0	9	cm	Benzo(a)anthracene	12,000		µg/kg
VS-18	1/28/97	EPA8270SI	0	9	cm	Dibenz(a,h)anthracene	6,500		µg/kg
VS-18	1/28/97	EPA8270SI	0	9	cm	Benzo(a)pyrene	30,000		µg/kg
VS-18	1/28/97	EPA8270SI	0	9	cm	d14-Dibenzo(a,h)anthra			%
VS-18	1/28/97	EPA8270SI	0	9	cm	Benzo(b)fluoranthene	35,000		µg/kg
VS-18	1/28/97	EPA8270SI	0	9	cm	d10-2-Methylnaphthale			%
VS-18	1/28/97	EPA8270SI	0	9	cm	Benzo(g,h,i)perylene	16,000		µg/kg
VS-18	1/28/97	EPA8270SI	0	9	cm	Fluorene	4,000		µg/kg
VS-18	1/28/97	EPA8270SI	0	9	cm	Pyrene	11,000		µg/kg
VS-18	1/28/97	EPA8270SI	0	9	cm	Chrysene	15,000		µg/kg
VS-18	1/28/97	EPA8270SI	0	9	cm	Naphthalene	920		µg/kg
VS-18	1/28/97	EPA8270SI	0	9	cm	Benzo(k)fluoranthene	13,000		µg/kg
VS-18	1/28/97	EPA8260	0	9	cm	Naphthalene	420		µg/kg
VS-18	1/28/97	EPA8270SI	0	9	cm	Phenanthrene	11,000		µg/kg
VS-18	1/28/97	EPA8270SI	0	9	cm	2-Methylnaphthalene	9,300		µg/kg
VS-18	1/28/97	EPA8270SI	0	9	cm	Acenaphthylene	230	U	µg/kg
VS-18	1/28/97	EPA8270SI	0	9	cm	Acenaphthene	6,900		µg/kg
VS-18	1/28/97	EPA8270SI	0	9	cm	Indeno(1,2,3-cd)pyrene	17,000		µg/kg
VS-18	1/28/97	EPA8270SI	45	69	cm	Naphthalene	25		µg/kg
VS-18	1/28/97	EPA8270SI	45	69	cm	Dibenz(a,h)anthracene	13	M	µg/kg
VS-18	1/28/97	EPA8270SI	45	69	cm	Fluoranthene	18		µg/kg
VS-18	1/28/97	EPA8270SI	45	69	cm	Pyrene	32		µg/kg
VS-18	1/28/97	EPA8270SI	45	69	cm	Phenanthrene	13		µg/kg
VS-18	1/28/97	EPA8270SI	45	69	cm	d10-2-Methylnaphthale			%
VS-18	1/28/97	EPA8270SI	45	69	cm	Indeno(1,2,3-cd)pyrene	56		µg/kg
VS-18	1/28/97	EPA8270SI	45	69	cm	Fluorene	8	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
VS-18	1/28/97	EPA8270SI	45	69	cm	Chrysene	48		µg/kg
VS-18	1/28/97	EPA8270SI	45	69	cm	d14-Dibenzo(a,h)anthra			%
VS-18	1/28/97	EPA8270SI	45	69	cm	Acenaphthylene	8	U	µg/kg
VS-18	1/28/97	EPA8260	45	69	cm	Naphthalene	8	Y	µg/kg
VS-18	1/28/97	EPA8270SI	45	69	cm	2-Methylnaphthalene	74		µg/kg
VS-18	1/28/97	EPA8270SI	45	69	cm	Acenaphthene	15		µg/kg
VS-18	1/28/97	EPA8270SI	45	69	cm	Anthracene	8	U	µg/kg
VS-18	1/28/97	EPA8270SI	45	69	cm	Benzo(a)anthracene	20		µg/kg
VS-18	1/28/97	EPA8270SI	45	69	cm	Benzo(a)pyrene	77		µg/kg
VS-18	1/28/97	EPA8270SI	45	69	cm	Benzo(k)fluoranthene	62		µg/kg
VS-18	1/28/97	EPA8270SI	45	69	cm	Benzo(b)fluoranthene	54		µg/kg
VS-18	1/28/97	EPA8270SI	45	69	cm	Benzo(g,h,i)perylene	62		µg/kg
VS-18	1/28/97	EPA8270SI	210	240	cm	Phenanthrene	8	U	µg/kg
VS-18	1/28/97	EPA8270SI	210	240	cm	Chrysene	8	U	µg/kg
VS-18	1/28/97	EPA8260	210	240	cm	Naphthalene	60,000		µg/kg
VS-18	1/28/97	EPA8270SI	210	240	cm	Pyrene	8	U	µg/kg
VS-18	1/28/97	EPA8270SI	210	240	cm	Acenaphthene	1,400		µg/kg
VS-18	1/28/97	EPA8270SI	210	240	cm	2-Methylnaphthalene	5,100		µg/kg
VS-18	1/28/97	EPA8270SI	210	240	cm	Benzo(b)fluoranthene	8	U	µg/kg
VS-18	1/28/97	EPA8270SI	210	240	cm	Naphthalene	28,000		µg/kg
VS-18	1/28/97	EPA8270SI	210	240	cm	Acenaphthylene	8	U	µg/kg
VS-18	1/28/97	EPA8270SI	210	240	cm	d10-2-Methylnaphthale			%
VS-18	1/28/97	EPA8270SI	210	240	cm	Benzo(k)fluoranthene	8	U	µg/kg
VS-18	1/28/97	EPA8270SI	210	240	cm	Indeno(1,2,3-cd)pyrene	8	U	µg/kg
VS-18	1/28/97	EPA8270SI	210	240	cm	Dibenz(a,h)anthracene	8	U	µg/kg
VS-18	1/28/97	EPA8270SI	210	240	cm	Fluoranthene	8	U	µg/kg
VS-18	1/28/97	EPA8270SI	210	240	cm	d14-Dibenzo(a,h)anthra			%
VS-18	1/28/97	EPA8270SI	210	240	cm	Benzo(a)anthracene	8	U	µg/kg
VS-18	1/28/97	EPA8270SI	210	240	cm	Anthracene	8	U	µg/kg
VS-18	1/28/97	EPA8270SI	210	240	cm	Fluorene	81		µg/kg
VS-18	1/28/97	EPA8270SI	210	240	cm	Benzo(g,h,i)perylene	8	U	µg/kg
VS-18	1/28/97	EPA8270SI	210	240	cm	Benzo(a)pyrene	8	U	µg/kg
VS-2	1/27/97	EPA8270SI	0	9	cm	Fluoranthene	1,500		µg/kg
VS-2	1/27/97	EPA8270SI	0	9	cm	Chrysene	2,400		µg/kg
VS-2	1/27/97	EPA8270SI	0	9	cm	d10-2-Methylnaphthale			%
VS-2	1/27/97	EPA8270SI	0	9	cm	Benzo(g,h,i)perylene	1,500		µg/kg
VS-2	1/27/97	EPA8270SI	0	9	cm	d14-Dibenzo(a,h)anthra			%
VS-2	1/27/97	EPA8270SI	0	9	cm	Dibenz(a,h)anthracene	470		µg/kg
VS-2	1/27/97	EPA8270SI	0	9	cm	Fluorene	110		µg/kg
VS-2	1/27/97	EPA8270SI	0	9	cm	Indeno(1,2,3-cd)pyrene	1,600		µg/kg
VS-2	1/27/97	EPA8270SI	0	9	cm	Naphthalene	76		µg/kg
VS-2	1/27/97	EPA8270SI	0	9	cm	Pyrene	2,000		µg/kg
VS-2	1/27/97	EPA8270SI	0	9	cm	Benzo(b)fluoranthene	3,300		µg/kg
VS-2	1/27/97	EPA8270SI	0	9	cm	Benzo(k)fluoranthene	1,400		µg/kg
VS-2	1/27/97	EPA8270SI	0	9	cm	Phenanthrene	1,000		µg/kg
VS-2	1/27/97	EPA8270SI	0	9	cm	Benzo(a)pyrene	3,500		µg/kg
VS-2	1/27/97	EPA8270SI	0	9	cm	2-Methylnaphthalene	44		µg/kg
VS-2	1/27/97	EPA8270SI	0	9	cm	Benzo(a)anthracene	1,700		µg/kg
VS-2	1/27/97	EPA8270SI	0	9	cm	Acenaphthene	320		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
VS-2	1/27/97	EPA8270SI	0	8	cm	Anthracene	440		µg/kg
VS-2	1/27/97	EPA8270SI	0	8	cm	Acenaphthylene	30		µg/kg
VS-2	1/27/97	EPA8270SI	318	330	cm	Fluorene	78,000		µg/kg
VS-2	1/27/97	EPA8270SI	318	330	cm	Benzo(k)fluoranthene	30,000		µg/kg
VS-2	1/27/97	EPA8270SI	318	330	cm	Benzo(a)pyrene	50,000		µg/kg
VS-2	1/27/97	EPA8270SI	318	330	cm	Pyrene	90,000		µg/kg
VS-2	1/27/97	EPA8270SI	318	330	cm	Phenanthrene	200,000		µg/kg
VS-2	1/27/97	EPA8270SI	318	330	cm	2-Methylnaphthalene	280,000		µg/kg
VS-2	1/27/97	EPA8270SI	318	330	cm	Naphthalene	740,000		µg/kg
VS-2	1/27/97	EPA8270SI	318	330	cm	Acenaphthene	93,000		µg/kg
VS-2	1/27/97	EPA8260	318	330	cm	Naphthalene	6,900,000		µg/kg
VS-2	1/27/97	EPA8270SI	318	330	cm	Benzo(a)anthracene	25,000		µg/kg
VS-2	1/27/97	EPA8270SI	318	330	cm	Benzo(b)fluoranthene	45,000		µg/kg
VS-2	1/27/97	EPA8270SI	318	330	cm	Indeno(1,2,3-cd)pyrene	38,000		µg/kg
VS-2	1/27/97	EPA8270SI	318	330	cm	Benzo(g,h,i)perylene	50,000		µg/kg
VS-2	1/27/97	EPA8270SI	318	330	cm	Fluoranthene	95,000		µg/kg
VS-2	1/27/97	EPA8270SI	318	330	cm	Chrysene	33,000		µg/kg
VS-2	1/27/97	EPA8270SI	318	330	cm	d10-2-Methylnaphthale			%
VS-2	1/27/97	EPA8270SI	318	330	cm	Anthracene	46,000		µg/kg
VS-2	1/27/97	EPA8270SI	318	330	cm	d14-Dibenzo(a,h)anthra			%
VS-2	1/27/97	EPA8270SI	318	330	cm	Dibenz(a,h)anthracene	10,000		µg/kg
VS-2	1/27/97	EPA8270SI	318	330	cm	Acenaphthylene	23,000		µg/kg
VS-20	1/27/97	EPA8270SI	0	30	cm	d14-Dibenzo(a,h)anthra			%
VS-20	1/27/97	EPA8270SI	0	30	cm	Anthracene	3,500		µg/kg
VS-20	1/27/97	EPA8270SI	0	30	cm	Benzo(g,h,i)perylene	17,000		µg/kg
VS-20	1/27/97	EPA8270SI	0	30	cm	Benzo(b)fluoranthene	31,000		µg/kg
VS-20	1/27/97	EPA8270SI	0	30	cm	Dibenz(a,h)anthracene	6,000		µg/kg
VS-20	1/27/97	EPA8270SI	0	30	cm	Benzo(a)pyrene	29,000		µg/kg
VS-20	1/27/97	EPA8270SI	0	30	cm	Fluoranthene	13,000		µg/kg
VS-20	1/27/97	EPA8270SI	0	30	cm	Benzo(a)anthracene	16,000		µg/kg
VS-20	1/27/97	EPA8270SI	0	30	cm	Fluorene	4,300		µg/kg
VS-20	1/27/97	EPA8270SI	0	30	cm	d10-2-Methylnaphthale			%
VS-20	1/27/97	EPA8270SI	0	30	cm	Phenanthrene	14,000		µg/kg
VS-20	1/27/97	EPA8270SI	0	30	cm	Benzo(k)fluoranthene	13,000		µg/kg
VS-20	1/27/97	EPA8270SI	0	30	cm	Acenaphthylene	170	U	µg/kg
VS-20	1/27/97	EPA8270SI	0	30	cm	Naphthalene	820		µg/kg
VS-20	1/27/97	EPA8270SI	0	30	cm	Chrysene	16,000		µg/kg
VS-20	1/27/97	EPA8270SI	0	30	cm	Pyrene	15,000		µg/kg
VS-20	1/27/97	EPA8270SI	0	30	cm	Acenaphthene	5,800		µg/kg
VS-20	1/27/97	EPA8270SI	0	30	cm	Indeno(1,2,3-cd)pyrene	16,000		µg/kg
VS-20	1/27/97	EPA8270SI	0	30	cm	2-Methylnaphthalene	3,000		µg/kg
VS-20	1/27/97	EPA8270SI	30	60	cm	d10-2-Methylnaphthale			%
VS-20	1/27/97	EPA8270SI	30	60	cm	d14-Dibenzo(a,h)anthra			%
VS-20	1/27/97	EPA8270SI	30	60	cm	Dibenz(a,h)anthracene	9	U	µg/kg
VS-20	1/27/97	EPA8270SI	30	60	cm	Fluoranthene	9	U	µg/kg
VS-20	1/27/97	EPA8270SI	30	60	cm	Phenanthrene	9	U	µg/kg
VS-20	1/27/97	EPA8270SI	30	60	cm	Fluorene	9	U	µg/kg
VS-20	1/27/97	EPA8270SI	30	60	cm	Indeno(1,2,3-cd)pyrene	14	M	µg/kg
VS-20	1/27/97	EPA8270SI	30	60	cm	Naphthalene	21		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
VS-20	1/27/97	EPA8270SI	30	60	cm	Pyrene	9	U	µg/kg
VS-20	1/27/97	EPA8270SI	30	60	cm	Acenaphthene	9	U	µg/kg
VS-20	1/27/97	EPA8270SI	30	60	cm	Chrysene	9	U	µg/kg
VS-20	1/27/97	EPA8270SI	30	60	cm	Benzo(k)fluoranthene	14		µg/kg
VS-20	1/27/97	EPA8270SI	30	60	cm	2-Methylnaphthalene	9	U	µg/kg
VS-20	1/27/97	EPA8270SI	30	60	cm	Benzo(a)pyrene	9	U	µg/kg
VS-20	1/27/97	EPA8270SI	30	60	cm	Benzo(g,h,i)perylene	22		µg/kg
VS-20	1/27/97	EPA8270SI	30	60	cm	Anthracene	9	U	µg/kg
VS-20	1/27/97	EPA8270SI	30	60	cm	Benzo(a)anthracene	9	U	µg/kg
VS-20	1/27/97	EPA8270SI	30	60	cm	Benzo(b)fluoranthene	14		µg/kg
VS-20	1/27/97	EPA8270SI	30	60	cm	Acenaphthylene	9	U	µg/kg
VS-20	1/27/97	EPA8270SI	60	90	cm	Anthracene	10	U	µg/kg
VS-20	1/27/97	EPA8270SI	60	90	cm	Acenaphthylene	10	U	µg/kg
VS-20	1/27/97	EPA8270SI	60	90	cm	Phenanthrene	10	U	µg/kg
VS-20	1/27/97	EPA8270SI	60	90	cm	Pyrene	10	U	µg/kg
VS-20	1/27/97	EPA8270SI	60	90	cm	2-Methylnaphthalene	10	U	µg/kg
VS-20	1/27/97	EPA8270SI	60	90	cm	Chrysene	10	U	µg/kg
VS-20	1/27/97	EPA8270SI	60	90	cm	Acenaphthene	10	U	µg/kg
VS-20	1/27/97	EPA8270SI	60	90	cm	d14-Dibenzo(a,h)anthra			%
VS-20	1/27/97	EPA8270SI	60	90	cm	d10-2-Methylnaphthale			%
VS-20	1/27/97	EPA8270SI	60	90	cm	Naphthalene	10	U	µg/kg
VS-20	1/27/97	EPA8270SI	60	90	cm	Benzo(k)fluoranthene	10	U	µg/kg
VS-20	1/27/97	EPA8270SI	60	90	cm	Indeno(1,2,3-cd)pyrene	10	U	µg/kg
VS-20	1/27/97	EPA8270SI	60	90	cm	Benzo(g,h,i)perylene	10	U	µg/kg
VS-20	1/27/97	EPA8270SI	60	90	cm	Dibenz(a,h)anthracene	10	U	µg/kg
VS-20	1/27/97	EPA8270SI	60	90	cm	Benzo(a)anthracene	10	U	µg/kg
VS-20	1/27/97	EPA8270SI	60	90	cm	Fluoranthene	10	U	µg/kg
VS-20	1/27/97	EPA8270SI	60	90	cm	Benzo(a)pyrene	19	M	µg/kg
VS-20	1/27/97	EPA8270SI	60	90	cm	Fluorene	10	U	µg/kg
VS-20	1/27/97	EPA8270SI	60	90	cm	Benzo(b)fluoranthene	13		µg/kg
VS-21	1/27/97	EPA8270SI	0	30	cm	Acenaphthene	13,000		µg/kg
VS-21	1/27/97	EPA8270SI	0	30	cm	Benzo(k)fluoranthene	35,000		µg/kg
VS-21	1/27/97	EPA8270SI	0	30	cm	Benzo(g,h,i)perylene	40,000		µg/kg
VS-21	1/27/97	EPA8270SI	0	30	cm	Benzo(a)anthracene	27,000		µg/kg
VS-21	1/27/97	EPA8270SI	0	30	cm	Naphthalene	2,200		µg/kg
VS-21	1/27/97	EPA8270SI	0	30	cm	Benzo(a)pyrene	64,000		µg/kg
VS-21	1/27/97	EPA8270SI	0	30	cm	Benzo(b)fluoranthene	71,000		µg/kg
VS-21	1/27/97	EPA8270SI	0	30	cm	Anthracene	6,300		µg/kg
VS-21	1/27/97	EPA8270SI	0	30	cm	Dibenz(a,h)anthracene	9,000		µg/kg
VS-21	1/27/97	EPA8270SI	0	30	cm	Fluoranthene	24,000		µg/kg
VS-21	1/27/97	EPA8270SI	0	30	cm	Fluorene	9,400		µg/kg
VS-21	1/27/97	EPA8270SI	0	30	cm	Pyrene	30,000		µg/kg
VS-21	1/27/97	EPA8270SI	0	30	cm	Acenaphthylene	420		µg/kg
VS-21	1/27/97	EPA8260	0	30	cm	Naphthalene	1,700		µg/kg
VS-21	1/27/97	EPA8270SI	0	30	cm	Indeno(1,2,3-cd)pyrene	42,000		µg/kg
VS-21	1/27/97	EPA8270SI	0	30	cm	d14-Dibenzo(a,h)anthra			%
VS-21	1/27/97	EPA8270SI	0	30	cm	Phenanthrene	30,000		µg/kg
VS-21	1/27/97	EPA8270SI	0	30	cm	d10-2-Methylnaphthale			%
VS-21	1/27/97	EPA8270SI	0	30	cm	Chrysene	36,000		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
VS-21	1/27/97	EPA8270SI	0	30	cm	2-Methylnaphthalene	14,000		µg/kg
VS-21	1/27/97	EPA8270SI	30	60	cm	Benzo(g,h,i)perylene	1,000		µg/kg
VS-21	1/27/97	EPA8270SI	30	60	cm	d10-2-Methylnaphthale			%
VS-21	1/27/97	EPA8270SI	30	60	cm	Benzo(k)fluoranthene	1,100		µg/kg
VS-21	1/27/97	EPA8270SI	30	60	cm	d14-Dibenzo(a,h)anthra			%
VS-21	1/27/97	EPA8270SI	30	60	cm	Chrysene	1,400		µg/kg
VS-21	1/27/97	EPA8270SI	30	60	cm	Benzo(b)fluoranthene	930		µg/kg
VS-21	1/27/97	EPA8270SI	30	60	cm	Fluoranthene	1,300		µg/kg
VS-21	1/27/97	EPA8270SI	30	60	cm	Benzo(a)pyrene	2,200		µg/kg
VS-21	1/27/97	EPA8270SI	30	60	cm	Indeno(1,2,3-cd)pyrene	880		µg/kg
VS-21	1/27/97	EPA8270SI	30	60	cm	Dibenz(a,h)anthracene	180		µg/kg
VS-21	1/27/97	EPA8270SI	30	60	cm	Fluorene	160		µg/kg
VS-21	1/27/97	EPA8270SI	30	60	cm	Anthracene	520		µg/kg
VS-21	1/27/97	EPA8270SI	30	60	cm	Benzo(a)anthracene	650		µg/kg
VS-21	1/27/97	EPA8270SI	30	60	cm	Phenanthrene	1,700		µg/kg
VS-21	1/27/97	EPA8270SI	30	60	cm	Acenaphthylene	13		µg/kg
VS-21	1/27/97	EPA8270SI	30	60	cm	Acenaphthene	660		µg/kg
VS-21	1/27/97	EPA8270SI	30	60	cm	2-Methylnaphthalene	200		µg/kg
VS-21	1/27/97	EPA8270SI	30	60	cm	Naphthalene	79		µg/kg
VS-21	1/27/97	EPA8270SI	30	60	cm	Pyrene	1,400		µg/kg
VS-21	1/27/97	EPA8260	30	60	cm	Naphthalene	31		µg/kg
VS-21	1/27/97	EPA8270SI	60	90	cm	Fluoranthene	95		µg/kg
VS-21	1/27/97	EPA8270SI	60	90	cm	Benzo(k)fluoranthene	150		µg/kg
VS-21	1/27/97	EPA8270SI	60	90	cm	Pyrene	110		µg/kg
VS-21	1/27/97	EPA8270SI	60	90	cm	d14-Dibenzo(a,h)anthra			%
VS-21	1/27/97	EPA8270SI	60	90	cm	Acenaphthene	54		µg/kg
VS-21	1/27/97	EPA8270SI	60	90	cm	Chrysene	110		µg/kg
VS-21	1/27/97	EPA8260	60	90	cm	Naphthalene	19		µg/kg
VS-21	1/27/97	EPA8270SI	60	90	cm	2-Methylnaphthalene	78		µg/kg
VS-21	1/27/97	EPA8270SI	60	90	cm	d10-2-Methylnaphthale			%
VS-21	1/27/97	EPA8270SI	60	90	cm	Anthracene	38		µg/kg
VS-21	1/27/97	EPA8270SI	60	90	cm	Benzo(a)pyrene	110		µg/kg
VS-21	1/27/97	EPA8270SI	60	90	cm	Benzo(a)anthracene	54		µg/kg
VS-21	1/27/97	EPA8270SI	60	90	cm	Naphthalene	41		µg/kg
VS-21	1/27/97	EPA8270SI	60	90	cm	Indeno(1,2,3-cd)pyrene	87		µg/kg
VS-21	1/27/97	EPA8270SI	60	90	cm	Benzo(b)fluoranthene	95		µg/kg
VS-21	1/27/97	EPA8270SI	60	90	cm	Acenaphthylene	18	U	µg/kg
VS-21	1/27/97	EPA8270SI	60	90	cm	Benzo(g,h,i)perylene	100		µg/kg
VS-21	1/27/97	EPA8270SI	60	90	cm	Dibenz(a,h)anthracene	21	Y	µg/kg
VS-21	1/27/97	EPA8270SI	60	90	cm	Fluorene	31		µg/kg
VS-21	1/27/97	EPA8270SI	60	90	cm	Phenanthrene	130		µg/kg
VS-21	1/27/97	EPA8270SI	300	360	cm	Pyrene	10	U	µg/kg
VS-21	1/27/97	EPA8270SI	300	360	cm	Phenanthrene	10	U	µg/kg
VS-21	1/27/97	EPA8270SI	300	360	cm	Fluoranthene	10	U	µg/kg
VS-21	1/27/97	EPA8270SI	300	360	cm	Indeno(1,2,3-cd)pyrene	10	U	µg/kg
VS-21	1/27/97	EPA8270SI	300	360	cm	Fluorene	10	U	µg/kg
VS-21	1/27/97	EPA8270SI	300	360	cm	Naphthalene	87,000		µg/kg
VS-21	1/27/97	EPA8270SI	300	360	cm	Benzo(k)fluoranthene	10	U	µg/kg
VS-21	1/27/97	EPA8270SI	300	360	cm	Benzo(a)anthracene	10	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
VS-21	1/27/97	EPA8270SI	300	360	cm	Benzo[a]pyrene	10	U	µg/kg
VS-21	1/27/97	EPA8270SI	300	360	cm	Acenaphthylene	10	U	µg/kg
VS-21	1/27/97	EPA8270SI	300	360	cm	Benzo[b]fluoranthene	10	U	µg/kg
VS-21	1/27/97	EPA8270SI	300	360	cm	Benzo[g,h,i]perylene	10	U	µg/kg
VS-21	1/27/97	EPA8270SI	300	360	cm	Anthracene	10	U	µg/kg
VS-21	1/27/97	EPA8270SI	300	360	cm	Acenaphthene	270		µg/kg
VS-21	1/27/97	EPA8270SI	300	360	cm	2-Methylnaphthalene	2,400		µg/kg
VS-21	1/27/97	EPA8270SI	300	360	cm	Chrysene	10	U	µg/kg
VS-21	1/27/97	EPA8270SI	300	360	cm	d10-2-Methylnaphthale			%
VS-21	1/27/97	EPA8260	300	360	cm	Naphthalene	340,000		µg/kg
VS-21	1/27/97	EPA8270SI	300	360	cm	d14-Dibenzo(a,h)anthra			%
VS-21	1/27/97	EPA8270SI	300	360	cm	Dibenz(a,h)anthracene	10	U	µg/kg
VS-21	1/27/97	EPA8270SI	360	390	cm	Naphthalene	8,000		µg/kg
VS-21	1/27/97	EPA8270SI	360	390	cm	2-Methylnaphthalene	1,500		µg/kg
VS-21	1/27/97	EPA8270SI	360	390	cm	Acenaphthene	400		µg/kg
VS-21	1/27/97	EPA8270SI	360	390	cm	Acenaphthylene	9	U	µg/kg
VS-21	1/27/97	EPA8270SI	360	390	cm	Anthracene	9	U	µg/kg
VS-21	1/27/97	EPA8260	360	390	cm	Naphthalene	30,000		µg/kg
VS-21	1/27/97	EPA8270SI	360	390	cm	Pyrene	9	U	µg/kg
VS-21	1/27/97	EPA8270SI	360	390	cm	d14-Dibenzo(a,h)anthra			%
VS-21	1/27/97	EPA8270SI	360	390	cm	Phenanthrene	9	U	µg/kg
VS-21	1/27/97	EPA8270SI	360	390	cm	Dibenz(a,h)anthracene	9	U	µg/kg
VS-21	1/27/97	EPA8270SI	360	390	cm	Benzo(a)anthracene	9	U	µg/kg
VS-21	1/27/97	EPA8270SI	360	390	cm	Fluoranthene	9	U	µg/kg
VS-21	1/27/97	EPA8270SI	360	390	cm	d10-2-Methylnaphthale			%
VS-21	1/27/97	EPA8270SI	360	390	cm	Chrysene	9	U	µg/kg
VS-21	1/27/97	EPA8270SI	360	390	cm	Benzo(k)fluoranthene	9	U	µg/kg
VS-21	1/27/97	EPA8270SI	360	390	cm	Benzo(g,h,i)perylene	9	U	µg/kg
VS-21	1/27/97	EPA8270SI	360	390	cm	Indeno(1,2,3-cd)pyrene	9	U	µg/kg
VS-21	1/27/97	EPA8270SI	360	390	cm	Benzo(b)fluoranthene	9	U	µg/kg
VS-21	1/27/97	EPA8270SI	360	390	cm	Benzo(a)pyrene	9	U	µg/kg
VS-21	1/27/97	EPA8270SI	360	390	cm	Fluorene	32		µg/kg
VS-23	1/29/93	EPA8270SI	0	18	cm	Pyrene	19		µg/kg
VS-23	1/29/93	EPA8270SI	0	18	cm	Benzo(g,h,i)perylene	40		µg/kg
VS-23	1/29/93	EPA8270SI	0	18	cm	Benzo(k)fluoranthene	25		µg/kg
VS-23	1/29/93	EPA8270SI	0	18	cm	Chrysene	23		µg/kg
VS-23	1/29/93	EPA8270SI	0	18	cm	d10-2-Methylnaphthale			%
VS-23	1/29/93	EPA8270SI	0	18	cm	d14-Dibenzo(a,h)anthra			%
VS-23	1/29/93	EPA8270SI	0	18	cm	Dibenz(a,h)anthracene	11	U	µg/kg
VS-23	1/29/93	EPA8270SI	0	18	cm	Indeno(1,2,3-cd)pyrene	32		µg/kg
VS-23	1/29/93	EPA8270SI	0	18	cm	Fluorene	11	U	µg/kg
VS-23	1/29/93	EPA8270SI	0	18	cm	Phenanthrene	35		µg/kg
VS-23	1/29/93	EPA8270SI	0	18	cm	Naphthalene	3,700		µg/kg
VS-23	1/29/93	EPA8270SI	0	18	cm	Benzo(b)fluoranthene	18		µg/kg
VS-23	1/29/93	EPA8270SI	0	18	cm	Fluoranthene	24		µg/kg
VS-23	1/29/93	EPA8270SI	0	18	cm	2-Methylnaphthalene	28		µg/kg
VS-23	1/29/93	EPA8270SI	0	18	cm	Benzo(a)pyrene	17		µg/kg
VS-23	1/29/93	EPA8270SI	0	18	cm	Acenaphthene	11		µg/kg
VS-23	1/29/93	EPA8270SI	0	18	cm	Benzo(a)anthracene	11	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
VS-23	1/29/93	EPA8270SI	0	18	cm	Anthracene	26		µg/kg
VS-23	1/29/93	EPA8270SI	0	18	cm	Acenaphthylene	11	U	µg/kg
VS-23	1/29/93	EPA8270SI	48	90	cm	d14-Dibenzo(a,h)anthra			%
VS-23	1/29/93	EPA8270SI	48	90	cm	Indeno(1,2,3-cd)pyrene	9	U	µg/kg
VS-23	1/29/93	EPA8270SI	48	90	cm	Acenaphthene	21		µg/kg
VS-23	1/29/93	EPA8270SI	48	90	cm	Acenaphthylene	9	U	µg/kg
VS-23	1/29/93	EPA8270SI	48	90	cm	Fluorene	9	U	µg/kg
VS-23	1/29/93	EPA8270SI	48	90	cm	Fluoranthene	9	U	µg/kg
VS-23	1/29/93	EPA8270SI	48	90	cm	2-Methylnaphthalene	120		µg/kg
VS-23	1/29/93	EPA8270SI	48	90	cm	Dibenz(a,h)anthracene	9	U	µg/kg
VS-23	1/29/93	EPA8270SI	48	90	cm	Benzo(b)fluoranthene	9	U	µg/kg
VS-23	1/29/93	EPA8270SI	48	90	cm	d10-2-Methylnaphthale			%
VS-23	1/29/93	EPA8270SI	48	90	cm	Benzo(a)anthracene	9	U	µg/kg
VS-23	1/29/93	EPA8270SI	48	90	cm	Chrysene	9	U	µg/kg
VS-23	1/29/93	EPA8270SI	48	90	cm	Benzo(a)pyrene	9	U	µg/kg
VS-23	1/29/93	EPA8270SI	48	90	cm	Benzo(k)fluoranthene	9	U	µg/kg
VS-23	1/29/93	EPA8270SI	48	90	cm	Benzo(g,h,i)perylene	9	U	µg/kg
VS-23	1/29/93	EPA8270SI	48	90	cm	Anthracene	9	U	µg/kg
VS-23	1/29/93	EPA8270SI	48	90	cm	Naphthalene	2,600		µg/kg
VS-23	1/29/93	EPA8270SI	48	90	cm	Pyrene	9	U	µg/kg
VS-23	1/29/93	EPA8270SI	48	90	cm	Phenanthrene	9	U	µg/kg
VS-27	1/30/97	EPA8270SI	0	9	cm	Benzo(a)pyrene	45,000		µg/kg
VS-27	1/30/97	EPA8270SI	0	9	cm	Fluoranthene	20,000		µg/kg
VS-27	1/30/97	EPA8270SI	0	9	cm	d10-2-Methylnaphthale			%
VS-27	1/30/97	EPA8270SI	0	9	cm	Chrysene	32,000		µg/kg
VS-27	1/30/97	EPA8270SI	0	9	cm	Benzo(k)fluoranthene	13,000		µg/kg
VS-27	1/30/97	EPA8270SI	0	9	cm	Fluorene	6,400		µg/kg
VS-27	1/30/97	EPA8270SI	0	9	cm	Benzo(g,h,i)perylene	23,000		µg/kg
VS-27	1/30/97	EPA8270SI	0	9	cm	Benzo(b)fluoranthene	54,000		µg/kg
VS-27	1/30/97	EPA8270SI	0	9	cm	Dibenz(a,h)anthracene	10,000		µg/kg
VS-27	1/30/97	EPA8270SI	0	9	cm	Indeno(1,2,3-cd)pyrene	26,000		µg/kg
VS-27	1/30/97	EPA8270SI	0	9	cm	d14-Dibenzo(a,h)anthra			%
VS-27	1/30/97	EPA8270SI	0	9	cm	Benzo(a)anthracene	26,000		µg/kg
VS-27	1/30/97	EPA8270SI	0	9	cm	Naphthalene	320		µg/kg
VS-27	1/30/97	EPA8270SI	0	9	cm	Anthracene	8,600		µg/kg
VS-27	1/30/97	EPA8270SI	0	9	cm	Acenaphthylene	260		µg/kg
VS-27	1/30/97	EPA8270SI	0	9	cm	Phenanthrene	22,000		µg/kg
VS-27	1/30/97	EPA8270SI	0	9	cm	Acenaphthene	7,300		µg/kg
VS-27	1/30/97	EPA8270SI	0	9	cm	2-Methylnaphthalene	3,400		µg/kg
VS-27	1/30/97	EPA8270SI	0	9	cm	Pyrene	22,000		µg/kg
VS-27	1/30/97	EPA8270SI	9	39	cm	Indeno(1,2,3-cd)pyrene	58		µg/kg
VS-27	1/30/97	EPA8270SI	9	39	cm	Phenanthrene	79		µg/kg
VS-27	1/30/97	EPA8270SI	9	39	cm	Fluorene	19		µg/kg
VS-27	1/30/97	EPA8270SI	9	39	cm	Pyrene	64		µg/kg
VS-27	1/30/97	EPA8270SI	9	39	cm	Fluoranthene	63		µg/kg
VS-27	1/30/97	EPA8270SI	9	39	cm	Naphthalene	98		µg/kg
VS-27	1/30/97	EPA8270SI	9	39	cm	Acenaphthene	33		µg/kg
VS-27	1/30/97	EPA8270SI	9	39	cm	Dibenz(a,h)anthracene	12		µg/kg
VS-27	1/30/97	EPA8270SI	9	39	cm	2-Methylnaphthalene	11		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
VS-27	1/30/97	EPA8270SI	9	39	cm	Acenaphthylene	9	U	µg/kg
VS-27	1/30/97	EPA8270SI	9	39	cm	Anthracene	18		µg/kg
VS-27	1/30/97	EPA8270SI	9	39	cm	Benzo(a)anthracene	56		µg/kg
VS-27	1/30/97	EPA8270SI	9	39	cm	Benzo(a)pyrene	120		µg/kg
VS-27	1/30/97	EPA8270SI	9	39	cm	Benzo(g,h,i)perylene	60		µg/kg
VS-27	1/30/97	EPA8270SI	9	39	cm	Benzo(k)fluoranthene	74		µg/kg
VS-27	1/30/97	EPA8270SI	9	39	cm	Chrysene	57		µg/kg
VS-27	1/30/97	EPA8270SI	9	39	cm	d10-2-Methylnaphthalene			%
VS-27	1/30/97	EPA8270SI	9	39	cm	d14-Dibenzo(a,h)anthra			%
VS-27	1/30/97	EPA8270SI	9	39	cm	Benzo(b)fluoranthene	140		µg/kg
VS-29	2/3/97	EPA8270	0	30	cm	Benzo(g,h,i)perylene	23,000		µg/kg
VS-29	2/3/97	EPA8270	0	30	cm	Naphthalene	210,000		µg/kg
VS-29	2/3/97	EPA8270	0	30	cm	Anthracene	10,000		µg/kg
VS-29	2/3/97	EPA8270	0	30	cm	Indeno(1,2,3-cd)pyrene	24,000		µg/kg
VS-29	2/3/97	EPA8270	0	30	cm	Benzo(a)anthracene	22,000		µg/kg
VS-29	2/3/97	EPA8270	0	30	cm	Benzo(a)pyrene	49,000		µg/kg
VS-29	2/3/97	EPA8270	0	30	cm	Fluorene	13,000		µg/kg
VS-29	2/3/97	EPA8270	0	30	cm	Benzo(k)fluoranthene	38,000		µg/kg
VS-29	2/3/97	EPA8270	0	30	cm	Benzo(b)fluoranthene	49,000		µg/kg
VS-29	2/3/97	EPA8270	0	30	cm	Dibenz(a,h)anthracene	7,200		µg/kg
VS-29	2/3/97	EPA8270	0	30	cm	Acenaphthylene	1,400	U	µg/kg
VS-29	2/3/97	EPA8270	0	30	cm	Fluoranthene	26,000		µg/kg
VS-29	2/3/97	EPA8270	0	30	cm	2-Methylnaphthalene	66,000		µg/kg
VS-29	2/3/97	EPA8260	0	30	cm	Naphthalene	270,000		µg/kg
VS-29	2/3/97	EPA8270	0	30	cm	Acenaphthene	24,000		µg/kg
VS-29	2/3/97	EPA8270	0	30	cm	Phenanthrene	38,000		µg/kg
VS-29	2/3/97	EPA8270	0	30	cm	Chrysene	41,000		µg/kg
VS-29	2/3/97	EPA8270	0	30	cm	Pyrene	38,000		µg/kg
VS-29	2/3/97	EPA8270	30	60	cm	Chrysene	46,000		µg/kg
VS-29	2/3/97	EPA8270	30	60	cm	Benzo(k)fluoranthene	41,000		µg/kg
VS-29	2/3/97	EPA8270	30	60	cm	Benzo(b)fluoranthene	44,000		µg/kg
VS-29	2/3/97	EPA8270	30	60	cm	Dibenz(a,h)anthracene	21,000	U	µg/kg
VS-29	2/3/97	EPA8270	30	60	cm	Benzo(g,h,i)perylene	31,000		µg/kg
VS-29	2/3/97	EPA8270	30	60	cm	Fluoranthene	24,000		µg/kg
VS-29	2/3/97	EPA8260	30	60	cm	Naphthalene	2,000,000		µg/kg
VS-29	2/3/97	EPA8270	30	60	cm	Pyrene	49,000		µg/kg
VS-29	2/3/97	EPA8270	30	60	cm	Benzo(a)pyrene	54,000		µg/kg
VS-29	2/3/97	EPA8270	30	60	cm	Phenanthrene	57,000		µg/kg
VS-29	2/3/97	EPA8270	30	60	cm	Acenaphthene	34,000		µg/kg
VS-29	2/3/97	EPA8270	30	60	cm	Naphthalene	780,000		µg/kg
VS-29	2/3/97	EPA8270	30	60	cm	Acenaphthylene	21,000	U	µg/kg
VS-29	2/3/97	EPA8270	30	60	cm	Indeno(1,2,3-cd)pyrene	31,000		µg/kg
VS-29	2/3/97	EPA8270	30	60	cm	2-Methylnaphthalene	160,000		µg/kg
VS-29	2/3/97	EPA8270	30	60	cm	Benzo(a)anthracene	22,000		µg/kg
VS-29	2/3/97	EPA8270	30	60	cm	Fluorene	22,000		µg/kg
VS-29	2/3/97	EPA8270	30	60	cm	Anthracene	21,000	U	µg/kg
VS-29	2/3/97	EPA8270	60	90	cm	Fluoranthene	11,000		µg/kg
VS-29	2/3/97	EPA8270	60	90	cm	Phenanthrene	20,000		µg/kg
VS-29	2/3/97	EPA8270	60	90	cm	Pyrene	19,000		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
VS-29	2/3/97	EPA8270	60	90	cm	Naphthalene	240,000		µg/kg
VS-29	2/3/97	EPA8270	60	90	cm	Indeno(1,2,3-cd)pyrene	5,100		µg/kg
VS-29	2/3/97	EPA8270	60	90	cm	Fluorene	8,200		µg/kg
VS-29	2/3/97	EPA8270	60	90	cm	Dibenz(a,h)anthracene	2,400		µg/kg
VS-29	2/3/97	EPA8270	60	90	cm	Acenaphthene	8,100		µg/kg
VS-29	2/3/97	EPA8270	60	90	cm	Benzo(a)anthracene	6,300		µg/kg
VS-29	2/3/97	EPA8270	60	90	cm	Acenaphthylene	5,800		µg/kg
VS-29	2/3/97	EPA8270	60	90	cm	Benzo(a)pyrene	14,000		µg/kg
VS-29	2/3/97	EPA8270	60	90	cm	Anthracene	4,400		µg/kg
VS-29	2/3/97	EPA8270	60	90	cm	Benzo(b)fluoranthene	14,000		µg/kg
VS-29	2/3/97	EPA8260	60	90	cm	Naphthalene	540,000		µg/kg
VS-29	2/3/97	EPA8270	60	90	cm	Benzo(g,h,i)perylene	6,800		µg/kg
VS-29	2/3/97	EPA8270	60	90	cm	2-Methylnaphthalene	45,000		µg/kg
VS-29	2/3/97	EPA8270	60	90	cm	Chrysene	17,000		µg/kg
VS-29	2/3/97	EPA8270	60	90	cm	Benzo(k)fluoranthene	7,400		µg/kg
VS-29	2/3/97	EPA8270	135	150	cm	Pyrene	210	U	µg/kg
VS-29	2/3/97	EPA8270	135	150	cm	Acenaphthylene	210	U	µg/kg
VS-29	2/3/97	EPA8270	135	150	cm	Phenanthrene	210	U	µg/kg
VS-29	2/3/97	EPA8270	135	150	cm	2-Methylnaphthalene	210	U	µg/kg
VS-29	2/3/97	EPA8270	135	150	cm	Benzo(b)fluoranthene	210	U	µg/kg
VS-29	2/3/97	EPA8270	135	150	cm	Anthracene	210	U	µg/kg
VS-29	2/3/97	EPA8270	135	150	cm	Acenaphthene	210	U	µg/kg
VS-29	2/3/97	EPA8270	135	150	cm	Benzo(k)fluoranthene	210	U	µg/kg
VS-29	2/3/97	EPA8270	135	150	cm	Naphthalene	440		µg/kg
VS-29	2/3/97	EPA8260	135	150	cm	Naphthalene	1,800	U	µg/kg
VS-29	2/3/97	EPA8270	135	150	cm	Chrysene	210	U	µg/kg
VS-29	2/3/97	EPA8270	135	150	cm	Fluoranthene	210	U	µg/kg
VS-29	2/3/97	EPA8270	135	150	cm	Benzo(g,h,i)perylene	210	U	µg/kg
VS-29	2/3/97	EPA8270	135	150	cm	Fluorene	210	U	µg/kg
VS-29	2/3/97	EPA8270	135	150	cm	Indeno(1,2,3-cd)pyrene	210	U	µg/kg
VS-29	2/3/97	EPA8270	135	150	cm	Benzo(a)pyrene	210	U	µg/kg
VS-29	2/3/97	EPA8270	135	150	cm	Benzo(a)anthracene	210	U	µg/kg
VS-29	2/3/97	EPA8270	135	150	cm	Dibenz(a,h)anthracene	210	U	µg/kg
VS-30	2/3/97	EPA8270	0	30	cm	Benzo(g,h,i)perylene	30,000		µg/kg
VS-30	2/3/97	EPA8270	0	30	cm	Benzo(a)pyrene	38,000		µg/kg
VS-30	2/3/97	EPA8270	0	30	cm	Naphthalene	100,000		µg/kg
VS-30	2/3/97	EPA8270	0	30	cm	Benzo(k)fluoranthene	27,000		µg/kg
VS-30	2/3/97	EPA8270	0	30	cm	Benzo(a)anthracene	17,000		µg/kg
VS-30	2/3/97	EPA8270	0	30	cm	Chrysene	28,000		µg/kg
VS-30	2/3/97	EPA8270	0	30	cm	Dibenz(a,h)anthracene	5,600		µg/kg
VS-30	2/3/97	EPA8270	0	30	cm	Fluoranthene	16,000		µg/kg
VS-30	2/3/97	EPA8270	0	30	cm	Acenaphthylene	290		µg/kg
VS-30	2/3/97	EPA8270	0	30	cm	Fluorene	4,900		µg/kg
VS-30	2/3/97	EPA8270	0	30	cm	Acenaphthene	6,000		µg/kg
VS-30	2/3/97	EPA8270	0	30	cm	Anthracene	3,800		µg/kg
VS-30	2/3/97	EPA8270	0	30	cm	Benzo(b)fluoranthene	32,000		µg/kg
VS-30	2/3/97	EPA8270	0	30	cm	2-Methylnaphthalene	11,000		µg/kg
VS-30	2/3/97	EPA8270	0	30	cm	Phenanthrene	23,000		µg/kg
VS-30	2/3/97	EPA8270	0	30	cm	Indeno(1,2,3-cd)pyrene	21,000		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration	Conc. Units
VS-30	2/3/97	EPA8260	0	30	cm	Naphthalene	59,000	µg/kg
VS-30	2/3/97	EPA8270	0	30	cm	Pyrene	30,000	µg/kg
VS-30	2/3/97	EPA8270	30	60	cm	Dibenz(a,h)anthracene	560	µg/kg
VS-30	2/3/97	EPA8270	30	60	cm	Benzo(g,h,i)perylene	1,700	µg/kg
VS-30	2/3/97	EPA8270	30	60	cm	Benzo(k)fluoranthene	2,400	µg/kg
VS-30	2/3/97	EPA8270	30	60	cm	Naphthalene	28,000	µg/kg
VS-30	2/3/97	EPA8270	30	60	cm	Pyrene	1,800	µg/kg
VS-30	2/3/97	EPA8270	30	60	cm	Fluoranthene	1,100	µg/kg
VS-30	2/3/97	EPA8270	30	60	cm	Fluorene	540	µg/kg
VS-30	2/3/97	EPA8270	30	60	cm	Phenanthrene	1,600	µg/kg
VS-30	2/3/97	EPA8270	30	60	cm	Indeno(1,2,3-cd)pyrene	1,200	µg/kg
VS-30	2/3/97	EPA8270	30	60	cm	Chrysene	2,100	µg/kg
VS-30	2/3/97	EPA8270	30	60	cm	Acenaphthene	1,400	µg/kg
VS-30	2/3/97	EPA8270	30	60	cm	Anthracene	290	µg/kg
VS-30	2/3/97	EPA8270	30	60	cm	Benzo(b)fluoranthene	2,800	µg/kg
VS-30	2/3/97	EPA8260	30	60	cm	Naphthalene	30,000	µg/kg
VS-30	2/3/97	EPA8270	30	60	cm	Acenaphthylene	110	µg/kg
VS-30	2/3/97	EPA8270	30	60	cm	Benzo(a)pyrene	3,000	µg/kg
VS-30	2/3/97	EPA8270	30	60	cm	2-Methylnaphthalene	5,200	µg/kg
VS-30	2/3/97	EPA8270	30	60	cm	Benzo(a)anthracene	1,400	µg/kg
VS-30	2/3/97	EPA8270	60	90	cm	Acenaphthylene	24,000	µg/kg
VS-30	2/3/97	EPA8270	60	90	cm	Fluorene	19,000	µg/kg
VS-30	2/3/97	EPA8270	60	90	cm	Acenaphthene	16,000	µg/kg
VS-30	2/3/97	EPA8270	60	90	cm	Fluoranthene	27,000	µg/kg
VS-30	2/3/97	EPA8270	60	90	cm	2-Methylnaphthalene	140,000	µg/kg
VS-30	2/3/97	EPA8270	60	90	cm	Naphthalene	450,000	µg/kg
VS-30	2/3/97	EPA8270	60	90	cm	Phenanthrene	47,000	µg/kg
VS-30	2/3/97	EPA8260	60	90	cm	Naphthalene	1,000,000	µg/kg
VS-30	2/3/97	EPA8270	60	90	cm	Pyrene	40,000	µg/kg
VS-30	2/3/97	EPA8270	60	90	cm	Anthracene	12,000	µg/kg
VS-30	2/3/97	EPA8270	60	90	cm	Indeno(1,2,3-cd)pyrene	33,000	µg/kg
VS-30	2/3/97	EPA8270	60	90	cm	Benzo(a)pyrene	54,000	µg/kg
VS-30	2/3/97	EPA8270	60	90	cm	Benzo(b)fluoranthene	58,000	µg/kg
VS-30	2/3/97	EPA8270	60	90	cm	Benzo(g,h,i)perylene	28,000	µg/kg
VS-30	2/3/97	EPA8270	60	90	cm	Dibenz(a,h)anthracene	8,100	µg/kg
VS-30	2/3/97	EPA8270	60	90	cm	Benzo(a)anthracene	25,000	µg/kg
VS-30	2/3/97	EPA8270	60	90	cm	Chrysene	46,000	µg/kg
VS-30	2/3/97	EPA8270	60	90	cm	Benzo(k)fluoranthene	33,000	µg/kg
VS-30	2/3/97	EPA8270	144	165	cm	Phenanthrene	540,000	µg/kg
VS-30	2/3/97	EPA8260	144	165	cm	Naphthalene	7,900,000	µg/kg
VS-30	2/3/97	EPA8270	144	165	cm	Benzo(g,h,i)perylene	360,000	µg/kg
VS-30	2/3/97	EPA8270	144	165	cm	Pyrene	600,000	µg/kg
VS-30	2/3/97	EPA8270	144	165	cm	Benzo(a)anthracene	300,000	µg/kg
VS-30	2/3/97	EPA8270	144	165	cm	Dibenz(a,h)anthracene	96,000	µg/kg
VS-30	2/3/97	EPA8270	144	165	cm	Naphthalene	7,800,000	µg/kg
VS-30	2/3/97	EPA8270	144	165	cm	Benzo(a)pyrene	980,000	µg/kg
VS-30	2/3/97	EPA8270	144	165	cm	Benzo(b)fluoranthene	850,000	µg/kg
VS-30	2/3/97	EPA8270	144	165	cm	Anthracene	120,000	µg/kg
VS-30	2/3/97	EPA8270	144	165	cm	Acenaphthylene	320,000	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
VS-30	2/3/97	EPA8270	144	165	cm	Fluoranthene	270,000		µg/kg
VS-30	2/3/97	EPA8270	144	165	cm	Chrysene	460,000		µg/kg
VS-30	2/3/97	EPA8270	144	165	cm	Fluorene	220,000		µg/kg
VS-30	2/3/97	EPA8270	144	165	cm	Acenaphthene	170,000		µg/kg
VS-30	2/3/97	EPA8270	144	165	cm	Benzo(k)fluoranthene	440,000		µg/kg
VS-30	2/3/97	EPA8270	144	165	cm	Indeno(1,2,3-cd)pyrene	440,000		µg/kg
VS-30	2/3/97	EPA8270	144	165	cm	2-Methylnaphthalene	1,900,000		µg/kg
VS-31	2/3/97	EPA8260	0	30	cm	Naphthalene	1,800		µg/kg
VS-31	2/3/97	EPA8270	0	30	cm	Chrysene	81	U	µg/kg
VS-31	2/3/97	EPA8270	0	30	cm	Acenaphthylene	81	U	µg/kg
VS-31	2/3/97	EPA8270	0	30	cm	Dibenz(a,h)anthracene	81	U	µg/kg
VS-31	2/3/97	EPA8270	0	30	cm	Benzo(b)fluoranthene	120		µg/kg
VS-31	2/3/97	EPA8270	0	30	cm	Benzo(k)fluoranthene	88		µg/kg
VS-31	2/3/97	EPA8270	0	30	cm	Fluoranthene	81	U	µg/kg
VS-31	2/3/97	EPA8270	0	30	cm	Anthracene	81	U	µg/kg
VS-31	2/3/97	EPA8270	0	30	cm	Fluorene	81	U	µg/kg
VS-31	2/3/97	EPA8270	0	30	cm	Benzo(a)pyrene	140		µg/kg
VS-31	2/3/97	EPA8270	0	30	cm	Naphthalene	16,000		µg/kg
VS-31	2/3/97	EPA8270	0	30	cm	Acenaphthene	180		µg/kg
VS-31	2/3/97	EPA8270	0	30	cm	Indeno(1,2,3-cd)pyrene	81	U	µg/kg
VS-31	2/3/97	EPA8270	0	30	cm	Pyrene	81	U	µg/kg
VS-31	2/3/97	EPA8270	0	30	cm	2-Methylnaphthalene	600		µg/kg
VS-31	2/3/97	EPA8270	0	30	cm	Benzo(a)anthracene	81	U	µg/kg
VS-31	2/3/97	EPA8270	0	30	cm	Benzo(g,h,i)perylene	90		µg/kg
VS-31	2/3/97	EPA8270	0	30	cm	Phenanthrene	81	U	µg/kg
VS-31	2/3/97	EPA8270	30	60	cm	Benzo(k)fluoranthene	77	U	µg/kg
VS-31	2/3/97	EPA8270	30	60	cm	Chrysene	77	U	µg/kg
VS-31	2/3/97	EPA8270	30	60	cm	Pyrene	77	U	µg/kg
VS-31	2/3/97	EPA8270	30	60	cm	Phenanthrene	77	U	µg/kg
VS-31	2/3/97	EPA8270	30	60	cm	Indeno(1,2,3-cd)pyrene	77	U	µg/kg
VS-31	2/3/97	EPA8270	30	60	cm	Fluoranthene	77	U	µg/kg
VS-31	2/3/97	EPA8270	30	60	cm	Naphthalene	280		µg/kg
VS-31	2/3/97	EPA8270	30	60	cm	Fluorene	77	U	µg/kg
VS-31	2/3/97	EPA8270	30	60	cm	Dibenz(a,h)anthracene	77	U	µg/kg
VS-31	2/3/97	EPA8270	30	60	cm	Benzo(a)pyrene	77	U	µg/kg
VS-31	2/3/97	EPA8270	30	60	cm	Acenaphthylene	77	U	µg/kg
VS-31	2/3/97	EPA8270	30	60	cm	Anthracene	77	U	µg/kg
VS-31	2/3/97	EPA8270	30	60	cm	2-Methylnaphthalene	100		µg/kg
VS-31	2/3/97	EPA8270	30	60	cm	Acenaphthene	95		µg/kg
VS-31	2/3/97	EPA8270	30	60	cm	Benzo(a)anthracene	77	U	µg/kg
VS-31	2/3/97	EPA8260	30	60	cm	Naphthalene	13		µg/kg
VS-31	2/3/97	EPA8270	30	60	cm	Benzo(b)fluoranthene	77	U	µg/kg
VS-31	2/3/97	EPA8270	30	60	cm	Benzo(g,h,i)perylene	77	U	µg/kg
VS-31	2/3/97	EPA8270	135	165	cm	Benzo(g,h,i)perylene	83	U	µg/kg
VS-31	2/3/97	EPA8270	135	165	cm	Phenanthrene	83	U	µg/kg
VS-31	2/3/97	EPA8270	135	165	cm	Benzo(a)anthracene	83	U	µg/kg
VS-31	2/3/97	EPA8270	135	165	cm	Naphthalene	17,000		µg/kg
VS-31	2/3/97	EPA8270	135	165	cm	2-Methylnaphthalene	320		µg/kg
VS-31	2/3/97	EPA8270	135	165	cm	Acenaphthene	83	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
VS-31	2/3/97	EPA8270	135	165	cm	Pyrene	83	U	µg/kg
VS-31	2/3/97	EPA8260	135	165	cm	Naphthalene	24,000		µg/kg
VS-31	2/3/97	EPA8270	135	165	cm	Benzo(k)fluoranthene	83	U	µg/kg
VS-31	2/3/97	EPA8270	135	165	cm	Fluorene	83	U	µg/kg
VS-31	2/3/97	EPA8270	135	165	cm	Acenaphthylene	83	U	µg/kg
VS-31	2/3/97	EPA8270	135	165	cm	Fluoranthene	83	U	µg/kg
VS-31	2/3/97	EPA8270	135	165	cm	Anthracene	83	U	µg/kg
VS-31	2/3/97	EPA8270	135	165	cm	Dibenz(a,h)anthracene	83	U	µg/kg
VS-31	2/3/97	EPA8270	135	165	cm	Benzo(a)pyrene	83	U	µg/kg
VS-31	2/3/97	EPA8270	135	165	cm	Chrysene	83	U	µg/kg
VS-31	2/3/97	EPA8270	135	165	cm	Benzo(b)fluoranthene	83	U	µg/kg
VS-31	2/3/97	EPA8270	135	165	cm	Indeno(1,2,3-cd)pyrene	83	U	µg/kg
VS-33	2/3/97	EPA8270	0	15	cm	Indeno(1,2,3-cd)pyrene	130		µg/kg
VS-33	2/3/97	EPA8270	0	15	cm	Pyrene	840		µg/kg
VS-33	2/3/97	EPA8270	0	15	cm	Benzo(b)fluoranthene	250		µg/kg
VS-33	2/3/97	EPA8270	0	15	cm	Benzo(g,h,i)perylene	170		µg/kg
VS-33	2/3/97	EPA8270	0	15	cm	Fluorene	12,000		µg/kg
VS-33	2/3/97	EPA8270	0	15	cm	Benzo(k)fluoranthene	160		µg/kg
VS-33	2/3/97	EPA8270	0	15	cm	Dibenz(a,h)anthracene	100	U	µg/kg
VS-33	2/3/97	EPA8270	0	15	cm	Fluoranthene	590		µg/kg
VS-33	2/3/97	EPA8270	0	15	cm	Acenaphthylene	100	U	µg/kg
VS-33	2/3/97	EPA8270	0	15	cm	Chrysene	180		µg/kg
VS-33	2/3/97	EPA8270	0	15	cm	Benzo(a)anthracene	100		µg/kg
VS-33	2/3/97	EPA8270	0	15	cm	Benzo(a)pyrene	250		µg/kg
VS-33	2/3/97	EPA8270	0	15	cm	Naphthalene	440		µg/kg
VS-33	2/3/97	EPA8270	0	15	cm	Acenaphthene	20,000		µg/kg
VS-33	2/3/97	EPA8270	0	15	cm	Phenanthrene	11,000		µg/kg
VS-33	2/3/97	EPA8270	0	15	cm	2-Methylnaphthalene	12,000		µg/kg
VS-33	2/3/97	EPA8270	0	15	cm	Anthracene	1,100		µg/kg
VS-33	2/3/97	EPA8270	15	45	cm	Naphthalene	77	U	µg/kg
VS-33	2/3/97	EPA8270	15	45	cm	Indeno(1,2,3-cd)pyrene	77	U	µg/kg
VS-33	2/3/97	EPA8270	15	45	cm	Phenanthrene	600		µg/kg
VS-33	2/3/97	EPA8270	15	45	cm	Fluorene	180		µg/kg
VS-33	2/3/97	EPA8270	15	45	cm	Pyrene	77	U	µg/kg
VS-33	2/3/97	EPA8270	15	45	cm	Acenaphthene	200		µg/kg
VS-33	2/3/97	EPA8270	15	45	cm	Fluoranthene	77	U	µg/kg
VS-33	2/3/97	EPA8270	15	45	cm	2-Methylnaphthalene	77	U	µg/kg
VS-33	2/3/97	EPA8270	15	45	cm	Acenaphthylene	77	U	µg/kg
VS-33	2/3/97	EPA8270	15	45	cm	Anthracene	77	U	µg/kg
VS-33	2/3/97	EPA8270	15	45	cm	Benzo(a)anthracene	77	U	µg/kg
VS-33	2/3/97	EPA8270	15	45	cm	Benzo(a)pyrene	77	U	µg/kg
VS-33	2/3/97	EPA8270	15	45	cm	Benzo(g,h,i)perylene	77	U	µg/kg
VS-33	2/3/97	EPA8270	15	45	cm	Benzo(k)fluoranthene	77	U	µg/kg
VS-33	2/3/97	EPA8270	15	45	cm	Chrysene	77	U	µg/kg
VS-33	2/3/97	EPA8270	15	45	cm	Dibenz(a,h)anthracene	77	U	µg/kg
VS-33	2/3/97	EPA8270	15	45	cm	Benzo(b)fluoranthene	77	U	µg/kg
VS-34	2/3/97	EPA8270	0	15	cm	Benzo(b)fluoranthene	8,100		µg/kg
VS-34	2/3/97	EPA8270	0	15	cm	Chrysene	6,900		µg/kg
VS-34	2/3/97	EPA8270	0	15	cm	Pyrene	5,600		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
VS-34	2/3/97	EPA8270	0	15	cm	Phenanthrene	3,100		µg/kg
VS-34	2/3/97	EPA8270	0	15	cm	Naphthalene	380		µg/kg
VS-34	2/3/97	EPA8270	0	15	cm	Indeno(1,2,3-cd)pyrene	4,400		µg/kg
VS-34	2/3/97	EPA8270	0	15	cm	Fluorene	730		µg/kg
VS-34	2/3/97	EPA8270	0	15	cm	Fluoranthene	3,400		µg/kg
VS-34	2/3/97	EPA8270	0	15	cm	Dibenz(a,h)anthracene	1,800		µg/kg
VS-34	2/3/97	EPA8270	0	15	cm	Acenaphthene	980		µg/kg
VS-34	2/3/97	EPA8270	0	15	cm	Benzo(k)fluoranthene	6,200		µg/kg
VS-34	2/3/97	EPA8270	0	15	cm	2-Methylnaphthalene	230		µg/kg
VS-34	2/3/97	EPA8270	0	15	cm	Acenaphthylene	110	U	µg/kg
VS-34	2/3/97	EPA8270	0	15	cm	Anthracene	900		µg/kg
VS-34	2/3/97	EPA8270	0	15	cm	Benzo(a)anthracene	3,800		µg/kg
VS-34	2/3/97	EPA8270	0	15	cm	Benzo(a)pyrene	6,700		µg/kg
VS-34	2/3/97	EPA8270	0	15	cm	Benzo(g,h,i)perylene	5,800		µg/kg
VS-35	2/3/97	EPA8270	0	22.5	cm	Chrysene	4,000		µg/kg
VS-35	2/3/97	EPA8270	0	22.5	cm	Benzo(a)anthracene	2,300		µg/kg
VS-35	2/3/97	EPA8270	0	22.5	cm	Phenanthrene	1,900		µg/kg
VS-35	2/3/97	EPA8270	0	22.5	cm	Naphthalene	390		µg/kg
VS-35	2/3/97	EPA8270	0	22.5	cm	Indeno(1,2,3-cd)pyrene	600		µg/kg
VS-35	2/3/97	EPA8270	0	22.5	cm	Fluorene	340		µg/kg
VS-35	2/3/97	EPA8270	0	22.5	cm	Fluoranthene	1,800		µg/kg
VS-35	2/3/97	EPA8270	0	22.5	cm	Dibenz(a,h)anthracene	490		µg/kg
VS-35	2/3/97	EPA8270	0	22.5	cm	Pyrene	2,000	M	µg/kg
VS-35	2/3/97	EPA8270	0	22.5	cm	Acenaphthene	250	U	µg/kg
VS-35	2/3/97	EPA8270	0	22.5	cm	Benzo(k)fluoranthene	1,700		µg/kg
VS-35	2/3/97	EPA8270	0	22.5	cm	Benzo(b)fluoranthene	2,300		µg/kg
VS-35	2/3/97	EPA8270	0	22.5	cm	2-Methylnaphthalene	250	U	µg/kg
VS-35	2/3/97	EPA8270	0	22.5	cm	Acenaphthylene	250	U	µg/kg
VS-35	2/3/97	EPA8270	0	22.5	cm	Anthracene	1,400		µg/kg
VS-35	2/3/97	EPA8270	0	22.5	cm	Benzo(a)pyrene	1,600		µg/kg
VS-35	2/3/97	EPA8270	0	22.5	cm	Benzo(g,h,i)perylene	630		µg/kg
VS-36	2/3/97	EPA8270	0	24	cm	Fluorene	440		µg/kg
VS-36	2/3/97	EPA8270	0	24	cm	Anthracene	110	U	µg/kg
VS-36	2/3/97	EPA8270	0	24	cm	Dibenz(a,h)anthracene	110	U	µg/kg
VS-36	2/3/97	EPA8270	0	24	cm	Indeno(1,2,3-cd)pyrene	160		µg/kg
VS-36	2/3/97	EPA8270	0	24	cm	Benzo(g,h,i)perylene	200		µg/kg
VS-36	2/3/97	EPA8270	0	24	cm	Naphthalene	110	U	µg/kg
VS-36	2/3/97	EPA8270	0	24	cm	Benzo(b)fluoranthene	230		µg/kg
VS-36	2/3/97	EPA8270	0	24	cm	Benzo(a)pyrene	270		µg/kg
VS-36	2/3/97	EPA8270	0	24	cm	Chrysene	210		µg/kg
VS-36	2/3/97	EPA8270	0	24	cm	Phenanthrene	430		µg/kg
VS-36	2/3/97	EPA8270	0	24	cm	Benzo(a)anthracene	150		µg/kg
VS-36	2/3/97	EPA8270	0	24	cm	Acenaphthylene	110	U	µg/kg
VS-36	2/3/97	EPA8270	0	24	cm	Pyrene	620	M	µg/kg
VS-36	2/3/97	EPA8270	0	24	cm	Acenaphthene	2,300		µg/kg
VS-36	2/3/97	EPA8270	0	24	cm	2-Methylnaphthalene	2,600		µg/kg
VS-36	2/3/97	EPA8270	0	24	cm	Benzo(k)fluoranthene	150		µg/kg
VS-36	2/3/97	EPA8270	0	24	cm	Fluoranthene	270		µg/kg
VS-36	2/3/97	EPA8270	80	142.5	cm	Naphthalene	450		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
VS-36	2/3/97	EPA8270	60	142.5	cm	Indeno(1,2,3-cd)pyrene	1,400		µg/kg
VS-36	2/3/97	EPA8270	60	142.5	cm	Pyrene	2,300		µg/kg
VS-36	2/3/97	EPA8270	60	142.5	cm	Fluorene	510		µg/kg
VS-36	2/3/97	EPA8270	60	142.5	cm	Fluoranthene	1,600		µg/kg
VS-36	2/3/97	EPA8270	60	142.5	cm	Phenanthrene	2,400		µg/kg
VS-36	2/3/97	EPA8270	60	142.5	cm	Acenaphthene	700		µg/kg
VS-36	2/3/97	EPA8270	60	142.5	cm	Chrysene	1,500		µg/kg
VS-36	2/3/97	EPA8270	60	142.5	cm	2-Methylnaphthalene	1,300		µg/kg
VS-36	2/3/97	EPA8270	60	142.5	cm	Benzo(g,h,i)perylene	1,900		µg/kg
VS-36	2/3/97	EPA8270	60	142.5	cm	Dibenz(a,h)anthracene	530		µg/kg
VS-36	2/3/97	EPA8270	60	142.5	cm	Benzo(b)fluoranthene	2,200		µg/kg
VS-36	2/3/97	EPA8270	60	142.5	cm	Benzo(a)pyrene	2,600		µg/kg
VS-36	2/3/97	EPA8270	60	142.5	cm	Benzo(a)anthracene	860		µg/kg
VS-36	2/3/97	EPA8270	60	142.5	cm	Anthracene	420		µg/kg
VS-36	2/3/97	EPA8270	60	142.5	cm	Acenaphthylene	85	U	µg/kg
VS-36	2/3/97	EPA8270	60	142.5	cm	Benzo(k)fluoranthene	1,400		µg/kg
VS-41	2/5/97	EPA8270	0	9	cm	Benzo(k)fluoranthene	240	U	µg/kg
VS-41	2/5/97	EPA8270	0	9	cm	Chrysene	240	U	µg/kg
VS-41	2/5/97	EPA8270	0	9	cm	Dibenz(a,h)anthracene	240	U	µg/kg
VS-41	2/5/97	EPA8270	0	9	cm	Fluoranthene	240	U	µg/kg
VS-41	2/5/97	EPA8270	0	9	cm	Fluorene	240	U	µg/kg
VS-41	2/5/97	EPA8270	0	9	cm	Indeno(1,2,3-cd)pyrene	240	U	µg/kg
VS-41	2/5/97	EPA8270	0	9	cm	Benzo(b)fluoranthene	240	U	µg/kg
VS-41	2/5/97	EPA8270	0	9	cm	Phenanthrene	240	U	µg/kg
VS-41	2/5/97	EPA8270	0	9	cm	Benzo(g,h,i)perylene	240	U	µg/kg
VS-41	2/5/97	EPA8270	0	9	cm	Pyrene	250		µg/kg
VS-41	2/5/97	EPA8270	0	9	cm	Naphthalene	240	U	µg/kg
VS-41	2/5/97	EPA8270	0	9	cm	Benzo(a)anthracene	240	U	µg/kg
VS-41	2/5/97	EPA8270	0	9	cm	2-Methylnaphthalene	240	U	µg/kg
VS-41	2/5/97	EPA8270	0	9	cm	Anthracene	240	U	µg/kg
VS-41	2/5/97	EPA8270	0	9	cm	Benzo(a)pyrene	240	U	µg/kg
VS-41	2/5/97	EPA8270	0	9	cm	Acenaphthylene	240	U	µg/kg
VS-41	2/5/97	EPA8270	0	9	cm	Acenaphthene	240	U	µg/kg
VS-41	2/5/97	EPA8270	198	228	cm	Indeno(1,2,3-cd)pyrene	85	U	µg/kg
VS-41	2/5/97	EPA8270	198	228	cm	Pyrene	85	U	µg/kg
VS-41	2/5/97	EPA8270	198	228	cm	2-Methylnaphthalene	85	U	µg/kg
VS-41	2/5/97	EPA8270	198	228	cm	Phenanthrene	85	U	µg/kg
VS-41	2/5/97	EPA8270	198	228	cm	Benzo(k)fluoranthene	85	U	µg/kg
VS-41	2/5/97	EPA8270	198	228	cm	Acenaphthene	85	U	µg/kg
VS-41	2/5/97	EPA8270	198	228	cm	Fluorene	85	U	µg/kg
VS-41	2/5/97	EPA8270	198	228	cm	Fluoranthene	85	U	µg/kg
VS-41	2/5/97	EPA8270	198	228	cm	Dibenz(a,h)anthracene	85	U	µg/kg
VS-41	2/5/97	EPA8270	198	228	cm	Anthracene	85	U	µg/kg
VS-41	2/5/97	EPA8270	198	228	cm	Chrysene	85	U	µg/kg
VS-41	2/5/97	EPA8270	198	228	cm	Benzo(a)anthracene	85	U	µg/kg
VS-41	2/5/97	EPA8270	198	228	cm	Benzo(g,h,i)perylene	85	U	µg/kg
VS-41	2/5/97	EPA8270	198	228	cm	Benzo(a)pyrene	85	U	µg/kg
VS-41	2/5/97	EPA8270	198	228	cm	Benzo(b)fluoranthene	85	U	µg/kg
VS-41	2/5/97	EPA8270	198	228	cm	Acenaphthylene	85	U	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
VS-41	2/5/97	EPA8270	198	228	cm	Naphthalene	85	U	µg/kg
VS-9	1/28/97	EPA8270SI	0	9	cm	Benzo(a)anthracene	300		µg/kg
VS-9	1/28/97	EPA8270SI	0	9	cm	d14-Dibenzo(a,h)anthra			%
VS-9	1/28/97	EPA8270SI	0	9	cm	Dibenz(a,h)anthracene	84		µg/kg
VS-9	1/28/97	EPA8270SI	0	9	cm	Pyrene	540		µg/kg
VS-9	1/28/97	EPA8270SI	0	9	cm	Fluoranthene	570		µg/kg
VS-9	1/28/97	EPA8270SI	0	9	cm	d10-2-Methylnaphthale			%
VS-9	1/28/97	EPA8270SI	0	9	cm	Fluorene	140		µg/kg
VS-9	1/28/97	EPA8270SI	0	9	cm	Indeno(1,2,3-cd)pyrene	280		µg/kg
VS-9	1/28/97	EPA8270SI	0	9	cm	Phenanthrene	630		µg/kg
VS-9	1/28/97	EPA8270SI	0	9	cm	Naphthalene	110		µg/kg
VS-9	1/28/97	EPA8270SI	0	9	cm	Chrysene	460		µg/kg
VS-9	1/28/97	EPA8270SI	0	9	cm	Benzo(b)fluoranthene	530		µg/kg
VS-9	1/28/97	EPA8270SI	0	9	cm	2-Methylnaphthalene	74		µg/kg
VS-9	1/28/97	EPA8270SI	0	9	cm	Acenaphthene	200		µg/kg
VS-9	1/28/97	EPA8270SI	0	9	cm	Acenaphthylene	19	U	µg/kg
VS-9	1/28/97	EPA8270SI	0	9	cm	Anthracene	130		µg/kg
VS-9	1/28/97	EPA8270SI	0	9	cm	Benzo(a)pyrene	560		µg/kg
VS-9	1/28/97	EPA8270SI	0	9	cm	Benzo(g,h,i)perylene	240		µg/kg
VS-9	1/28/97	EPA8270SI	0	9	cm	Benzo(k)fluoranthene	490		µg/kg
VT-1	1/24/97	EPA8270SI	30	60	cm	Benzo(a)anthracene	330		µg/kg
VT-1	1/24/97	EPA8270SI	30	60	cm	Benzo(b)fluoranthene	170		µg/kg
VT-1	1/24/97	EPA8270SI	30	60	cm	d14-Dibenzo(a,h)anthra			%
VT-1	1/24/97	EPA8270SI	30	60	cm	d10-2-Methylnaphthale			%
VT-1	1/24/97	EPA8270SI	30	60	cm	Fluorene	450		µg/kg
VT-1	1/24/97	EPA8270SI	30	60	cm	Indeno(1,2,3-cd)pyrene	42		µg/kg
VT-1	1/24/97	EPA8270SI	30	60	cm	Benzo(k)fluoranthene	150		µg/kg
VT-1	1/24/97	EPA8270SI	30	60	cm	Benzo(g,h,i)perylene	29		µg/kg
VT-1	1/24/97	EPA8270SI	30	60	cm	Naphthalene	330		µg/kg
VT-1	1/24/97	EPA8270SI	30	60	cm	Fluoranthene	1,200		µg/kg
VT-1	1/24/97	EPA8270SI	30	60	cm	Benzo(a)pyrene	130		µg/kg
VT-1	1/24/97	EPA8270SI	30	60	cm	Dibenz(a,h)anthracene	15	U	µg/kg
VT-1	1/24/97	EPA8270SI	30	60	cm	Phenanthrene	1,600		µg/kg
VT-1	1/24/97	EPA8270SI	30	60	cm	Chrysene	160		µg/kg
VT-1	1/24/97	EPA8270SI	30	60	cm	Anthracene	170		µg/kg
VT-1	1/24/97	EPA8270SI	30	60	cm	Pyrene	820		µg/kg
VT-1	1/24/97	EPA8270SI	30	60	cm	Acenaphthylene	16	U	µg/kg
VT-1	1/24/97	EPA8270SI	30	60	cm	Acenaphthene	360		µg/kg
VT-1	1/24/97	EPA8270SI	30	60	cm	2-Methylnaphthalene	200		µg/kg
VT-1	1/24/97	EPA8270SI	60	90	cm	Naphthalene	670		µg/kg
VT-1	1/24/97	EPA8270SI	60	90	cm	Indeno(1,2,3-cd)pyrene	100		µg/kg
VT-1	1/24/97	EPA8270SI	60	90	cm	Fluorene	1,200		µg/kg
VT-1	1/24/97	EPA8270SI	60	90	cm	Pyrene	2,500		µg/kg
VT-1	1/24/97	EPA8270SI	60	90	cm	Fluoranthene	3,400		µg/kg
VT-1	1/24/97	EPA8270SI	60	90	cm	Phenanthrene	4,300		µg/kg
VT-1	1/24/97	EPA8270SI	60	90	cm	Benzo(a)anthracene	910		µg/kg
VT-1	1/24/97	EPA8270SI	60	90	cm	2-Methylnaphthalene	520		µg/kg
VT-1	1/24/97	EPA8270SI	60	90	cm	Acenaphthene	1,300		µg/kg
VT-1	1/24/97	EPA8270SI	60	90	cm	Chrysene	400		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
VT-1	1/24/97	EPA8270SI	60	90	cm	Anthracene	390		µg/kg
VT-1	1/24/97	EPA8270SI	60	90	cm	Dibenz(a,h)anthracene	40		µg/kg
VT-1	1/24/97	EPA8270SI	60	90	cm	Benzo(a)pyrene	380		µg/kg
VT-1	1/24/97	EPA8270SI	60	90	cm	Benzo(b)fluoranthene	470		µg/kg
VT-1	1/24/97	EPA8270SI	60	90	cm	Benzo(g,h,i)perylene	72		µg/kg
VT-1	1/24/97	EPA8270SI	60	90	cm	Benzo(k)fluoranthene	450		µg/kg
VT-1	1/24/97	EPA8270SI	60	90	cm	d10-2-Methylnaphthale			%
VT-1	1/24/97	EPA8270SI	60	90	cm	d14-Dibenzo(a,h)anthra			%
VT-1	1/24/97	EPA8270SI	60	90	cm	Acenaphthylene	33	U	µg/kg
VT-2	2/4/97	EPA8270	24	45	cm	Chrysene	78	U	µg/kg
VT-2	2/4/97	EPA8270	24	45	cm	Benzo(k)fluoranthene	78	U	µg/kg
VT-2	2/4/97	EPA8270	24	45	cm	Phenanthrene	78	U	µg/kg
VT-2	2/4/97	EPA8270	24	45	cm	Naphthalene	78	U	µg/kg
VT-2	2/4/97	EPA8270	24	45	cm	Indeno(1,2,3-cd)pyrene	78	U	µg/kg
VT-2	2/4/97	EPA8270	24	45	cm	Fluorene	78	U	µg/kg
VT-2	2/4/97	EPA8270	24	45	cm	Dibenz(a,h)anthracene	78	U	µg/kg
VT-2	2/4/97	EPA8270	24	45	cm	Pyrene	78	U	µg/kg
VT-2	2/4/97	EPA8270	24	45	cm	2-Methylnaphthalene	78	U	µg/kg
VT-2	2/4/97	EPA8270	24	45	cm	Fluoranthene	78	U	µg/kg
VT-2	2/4/97	EPA8270	24	45	cm	Acenaphthene	78	U	µg/kg
VT-2	2/4/97	EPA8270	24	45	cm	Acenaphthylene	78	U	µg/kg
VT-2	2/4/97	EPA8270	24	45	cm	Anthracene	78	U	µg/kg
VT-2	2/4/97	EPA8270	24	45	cm	Benzo(a)anthracene	78	U	µg/kg
VT-2	2/4/97	EPA8270	24	45	cm	Benzo(a)pyrene	78	U	µg/kg
VT-2	2/4/97	EPA8270	24	45	cm	Benzo(b)fluoranthene	78	U	µg/kg
VT-2	2/4/97	EPA8270	24	45	cm	Benzo(g,h,i)perylene	78	U	µg/kg
VT-3	2/4/97	EPA8270	12	48	cm	Benzo(g,h,i)perylene	110	U	µg/kg
VT-3	2/4/97	EPA8270	12	48	cm	Dibenz(a,h)anthracene	110	U	µg/kg
VT-3	2/4/97	EPA8270	12	48	cm	Pyrene	110	U	µg/kg
VT-3	2/4/97	EPA8270	12	48	cm	Phenanthrene	110		µg/kg
VT-3	2/4/97	EPA8270	12	48	cm	Naphthalene	110	U	µg/kg
VT-3	2/4/97	EPA8270	12	48	cm	Indeno(1,2,3-cd)pyrene	110	U	µg/kg
VT-3	2/4/97	EPA8270	12	48	cm	Fluorene	110	U	µg/kg
VT-3	2/4/97	EPA8270	12	48	cm	Fluoranthene	110	U	µg/kg
VT-3	2/4/97	EPA8270	12	48	cm	Acenaphthene	110	U	µg/kg
VT-3	2/4/97	EPA8270	12	48	cm	Benzo(b)fluoranthene	110	U	µg/kg
VT-3	2/4/97	EPA8270	12	48	cm	Benzo(a)pyrene	110	U	µg/kg
VT-3	2/4/97	EPA8270	12	48	cm	Benzo(a)anthracene	110	U	µg/kg
VT-3	2/4/97	EPA8270	12	48	cm	Anthracene	110	U	µg/kg
VT-3	2/4/97	EPA8270	12	48	cm	Acenaphthylene	110	U	µg/kg
VT-3	2/4/97	EPA8270	12	48	cm	Benzo(k)fluoranthene	110	U	µg/kg
VT-3	2/4/97	EPA8270	12	48	cm	Chrysene	110	U	µg/kg
VT-3	2/4/97	EPA8270	12	48	cm	2-Methylnaphthalene	110	U	µg/kg
VT-4	2/4/97	EPA8270	15	30	cm	Dibenz(a,h)anthracene	320	U	µg/kg
VT-4	2/4/97	EPA8270	15	30	cm	Fluoranthene	7,000		µg/kg
VT-4	2/4/97	EPA8270	15	30	cm	Pyrene	3,800		µg/kg
VT-4	2/4/97	EPA8270	15	30	cm	Fluorene	2,000		µg/kg
VT-4	2/4/97	EPA8270	15	30	cm	Indeno(1,2,3-cd)pyrene	370		µg/kg
VT-4	2/4/97	EPA8270	15	30	cm	Phenanthrene	7,900		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
VT-4	2/4/97	EPA8270	15	30	cm	Anthracene	640		µg/kg
VT-4	2/4/97	EPA8270	15	30	cm	Chrysene	1,400		µg/kg
VT-4	2/4/97	EPA8270	15	30	cm	Naphthalene	850		µg/kg
VT-4	2/4/97	EPA8270	15	30	cm	Benzo(g,h,i)perylene	330		µg/kg
VT-4	2/4/97	EPA8270	15	30	cm	Benzo(b)fluoranthene	1,300		µg/kg
VT-4	2/4/97	EPA8270	15	30	cm	Benzo(a)anthracene	2,100		µg/kg
VT-4	2/4/97	EPA8270	15	30	cm	Acenaphthylene	320	U	µg/kg
VT-4	2/4/97	EPA8270	15	30	cm	Acenaphthene	3,000		µg/kg
VT-4	2/4/97	EPA8270	15	30	cm	2-Methylnaphthalene	930		µg/kg
VT-4	2/4/97	EPA8270	15	30	cm	Benzo(a)pyrene	1,200		µg/kg
VT-4	2/4/97	EPA8270	15	30	cm	Benzo(k)fluoranthene	1,400		µg/kg
VT-5	2/4/97	EPA8270	9	48	cm	Phenanthrene	88	U	µg/kg
VT-5	2/4/97	EPA8270	9	48	cm	Dibenz(a,h)anthracene	88	U	µg/kg
VT-5	2/4/97	EPA8270	9	48	cm	Fluoranthene	88	U	µg/kg
VT-5	2/4/97	EPA8270	9	48	cm	Fluorene	88	U	µg/kg
VT-5	2/4/97	EPA8270	9	48	cm	Chrysene	88	U	µg/kg
VT-5	2/4/97	EPA8270	9	48	cm	Naphthalene	88	U	µg/kg
VT-5	2/4/97	EPA8270	9	48	cm	Anthracene	88	U	µg/kg
VT-5	2/4/97	EPA8270	9	48	cm	Indeno(1,2,3-cd)pyrene	88	U	µg/kg
VT-5	2/4/97	EPA8270	9	48	cm	Benzo(k)fluoranthene	88	U	µg/kg
VT-5	2/4/97	EPA8270	9	48	cm	Benzo(g,h,i)perylene	88	U	µg/kg
VT-5	2/4/97	EPA8270	9	48	cm	Benzo(b)fluoranthene	88	U	µg/kg
VT-5	2/4/97	EPA8270	9	48	cm	Benzo(a)anthracene	88	U	µg/kg
VT-5	2/4/97	EPA8270	9	48	cm	Acenaphthylene	88	U	µg/kg
VT-5	2/4/97	EPA8270	9	48	cm	Acenaphthene	88	U	µg/kg
VT-5	2/4/97	EPA8270	9	48	cm	2-Methylnaphthalene	88	U	µg/kg
VT-5	2/4/97	EPA8270	9	48	cm	Pyrene	88	U	µg/kg
VT-5	2/4/97	EPA8270	9	48	cm	Benzo(a)pyrene	88	U	µg/kg

12. TABLE SED TOTAL PAHS. SUMMARY OF TOTAL PAH CONCENTRATIONS IN SEDIMENTS

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration	Conc. Units
EPA-1	7/21/83	EPA8270	0	30	cm	Total PAHs	28,843,500	µg/kg
EPA-1	7/21/83	EPA8270	75	105	cm	Total PAHs	297,100	µg/kg
EPA-1	7/21/83	EPA8270	120	150	cm	Total PAHs	26,778	µg/kg
EPA-10	7/21/83	EPA8270	0	30	cm	Total PAHs	60	
EPA-10	7/21/83	EPA8270	0	30	cm	Total PAHs	1,256	µg/kg
EPA-11	7/21/83	EPA8270	0	30	cm	Total PAHs	243	µg/kg
EPA-11	7/21/83	EPA8270	30	50	cm	Total PAHs	574	µg/kg
EPA-12	7/21/83	EPA8270	0	30	cm	Total PAHs	838	µg/kg
EPA-12	7/21/83	EPA8270	80	110	cm	Total PAHs	345	µg/kg
EPA-13	7/21/83	EPA8270	0	30	cm	Total PAHs	487	µg/kg
EPA-13	7/21/83	EPA8270	40	70	cm	Total PAHs	335	µg/kg
EPA-13	7/21/83	EPA8270	80	110	cm	Total PAHs	335	µg/kg
EPA-2	7/21/83	EPA8270	0	30	cm	Total PAHs	1,858	µg/kg
EPA-3	7/21/83	EPA8270	0	30	cm	Total PAHs	1,966	µg/kg
EPA-3	7/21/83	EPA8270	90	120	cm	Total PAHs	366	µg/kg
EPA-8	7/21/83	EPA8270	0	45	cm	Total PAHs	1,983,500	µg/kg
EPA-8	7/21/83	EPA8270	60	90	cm	Total PAHs	7,679	µg/kg
EPA-8	7/21/83	EPA8270	0	30	cm	Total PAHs	15,997	µg/kg
JB-1	2/7/97	EPA8270	0	10	cm	Total PAHs	4,545	µg/kg
JB-2	2/7/97	EPA8270	0	10	cm	Total PAHs	5,223	µg/kg
JB-3	2/7/97	EPA8270	0	10	cm	Total PAHs	16,019	µg/kg
JB-7	2/14/97	EPA8270	0	10	cm	Total PAHs	4,273	µg/kg
JB-8	2/14/97	EPA8270	0	10	cm	Total PAHs	8,595	µg/kg
QB-1	1/1/90	EPA8270	0	2	cm	Total PAHs	7,501	µg/kg
QB-12	1/1/90	EPA8270	0	2	cm	Total PAHs	211,165	µg/kg
QB-13	1/1/90	EPA8270	0	2	cm	Total PAHs	1,201,390	µg/kg
QB-14	1/1/90	EPA8270	0	2	cm	Total PAHs	1,409	µg/kg
QB-4	1/1/90	EPA8270	0	2	cm	Total PAHs	7,426,850	µg/kg
QB-5	1/1/90	EPA8270	0	2	cm	Total PAHs	24,907	µg/kg
QB-6	1/1/90	EPA8270	0	2	cm	Total PAHs	88,798	µg/kg
QB-7	1/1/90	EPA8270	0	2	cm	Total PAHs	41,988	µg/kg
QB2-12	1/1/90	EPA8270	0	2	cm	Total PAHs	129,550	µg/kg
QB2-13	1/1/90	EPA8270	0	2	cm	Total PAHs	357,350	µg/kg
QB2-5	1/1/90	EPA8270	0	2	cm	Total PAHs	29,820	µg/kg
S-101	11/14/96	EPA8100M	0	10	cm	Total PAHs	128,000	µg/kg
S-103	11/13/96	EPA8100M	0	10	cm	Total PAHs	140,460	µg/kg
S-103	11/13/96	EPA8270	0	10	cm	Total PAHs	13,970	µg/kg
S-104	11/13/96	EPA8100M	0	10	cm	Total PAHs	39,900	µg/kg
S-111	11/13/96	EPA8100M	0	10	cm	Total PAHs	77,000	µg/kg
S-112	11/14/96	EPA8100M	0	10	cm	Total PAHs	194,000	µg/kg
S-112	11/14/96	EPA8270	0	10	cm	Total PAHs	11,874	µg/kg
S-112-D	11/14/96	EPA8270SI	0	10	cm	Total PAHs	13,879	µg/kg
S-112-D	11/14/96	EPA8100M	0	10	cm	Total PAHs	124,000	µg/kg
S-154	11/15/96	EPA8100M	0	10	cm	Total PAHs	112,000	µg/kg
S-154	11/15/96	EPA8270	0	10	cm	Total PAHs	3,670	µg/kg
S-155	11/15/96	EPA8100M	0	10	cm	Total PAHs	133,000	µg/kg
S-155	11/15/96	EPA8270	0	10	cm	Total PAHs	7,428	µg/kg
S-156	11/15/96	EPA8100M	0	10	cm	Total PAHs	112,000	µg/kg
S-156	11/15/96	EPA8270	0	10	cm	Total PAHs	4,419	µg/kg
S-156	11/15/96	EPA8100M	10	20	cm	Total PAHs	77,000	µg/kg
S-35	11/14/96	EPA8100M	0	10	cm	Total PAHs	137,000	µg/kg
S-36	11/14/96	EPA8100M	0	10	cm	Total PAHs	107,600	µg/kg
S-37	11/14/96	EPA8100M	0	10	cm	Total PAHs	183,000	µg/kg
S-38	11/15/96	EPA8100M	0	10	cm	Total PAHs	193,000	µg/kg
S-38	11/15/96	EPA8270	0	10	cm	Total PAHs	9,308	µg/kg
S-39	11/14/96	EPA8100M	0	10	cm	Total PAHs	54,600	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration	Conc. Units
S-39	11/14/96	EPA8270	0	10	cm	Total PAHs	808	µg/kg
S-40	11/14/96	EPA8100M	0	10	cm	Total PAHs	119,000	µg/kg
S-40	11/14/96	EPA8270	0	10	cm	Total PAHs	9,050	µg/kg
S-41	11/13/96	EPA8100M	0	10	cm	Total PAHs	91,000	µg/kg
S-42	11/14/96	EPA8100M	0	10	cm	Total PAHs	73,900	µg/kg
S-44	11/15/96	EPA8100M	0	10	cm	Total PAHs	65,800	µg/kg
S-44	11/15/96	EPA8270	0	10	cm	Total PAHs	11,962	µg/kg
S-45	11/15/96	EPA8270	0	10	cm	Total PAHs	45,592	µg/kg
S-45	11/15/96	EPA8100M	0	10	cm	Total PAHs	128,000	µg/kg
S-45	11/15/96	EPA8270	10	20	cm	Total PAHs	661,770	µg/kg
S-45	11/15/96	EPA8280	10	20	cm	Total PAHs	7	µg/kg
S-45	11/15/96	EPA8100M	10	20	cm	Total PAHs	301,000	µg/kg
S-46	11/14/96	EPA8270	0	10	cm	Total PAHs	34,468	µg/kg
S-46	11/14/96	EPA8100M	0	10	cm	Total PAHs	133,000	µg/kg
S-46	11/14/96	EPA8100M	10	20	cm	Total PAHs	153,500	µg/kg
S-46	11/14/96	EPA8270	10	20	cm	Total PAHs	325,600	µg/kg
S-46B-D	11/14/96	EPA8100M	10	20	cm	Total PAHs	240,350	µg/kg
S-46B-D	11/14/96	EPA8270	10	20	cm	Total PAHs	351,930	µg/kg
S-47	11/14/96	EPA8100M	0	10	cm	Total PAHs	119,000	µg/kg
S-47	11/14/96	EPA8270	0	10	cm	Total PAHs	16,728	µg/kg
S-48	11/14/96	EPA8100M	0	10	cm	Total PAHs	70,000	µg/kg
S-48	11/14/96	EPA8270	0	10	cm	Total PAHs	26,000	µg/kg
S-49	11/16/96	EPA8100M	0	10	cm	Total PAHs	77,000	µg/kg
S-49	11/16/96	EPA8270	0	10	cm	Total PAHs	13,083	µg/kg
S-51	11/15/96	EPA8100M	0	10	cm	Total PAHs	119,000	µg/kg
S-51	11/15/96	EPA8270	0	10	cm	Total PAHs	11,883	µg/kg
S-51	11/15/96	EPA8100M	10	20	cm	Total PAHs	795,000	µg/kg
S-51	11/15/96	EPA8270	10	20	cm	Total PAHs	1,703,100	µg/kg
S-52	11/15/96	EPA8100M	0	10	cm	Total PAHs	998,000	µg/kg
S-52	11/15/96	EPA8280	0	10	cm	Total PAHs	8,400	µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Total PAHs	1,706,880	µg/kg
S-54	11/15/96	EPA8100M	0	10	cm	Total PAHs	188,000	µg/kg
S-54	11/15/96	EPA8270	0	10	cm	Total PAHs	458,670	µg/kg
S-54	11/15/96	EPA8100M	10	20	cm	Total PAHs	84,000	µg/kg
S-54	11/15/96	EPA8270	10	20	cm	Total PAHs	23,428	µg/kg
S-55	11/14/96	EPA8100M	0	10	cm	Total PAHs	125,000	µg/kg
S-55	11/14/96	EPA8270	0	10	cm	Total PAHs	19,938	µg/kg
S-56	11/14/96	EPA8100M	0	10	cm	Total PAHs	147,000	µg/kg
S-56	11/14/96	EPA8270	0	10	cm	Total PAHs	25,188	µg/kg
S-57	11/14/96	EPA8270	0	10	cm	Total PAHs	68,345	µg/kg
S-57	11/14/96	EPA8100M	0	10	cm	Total PAHs	119,000	µg/kg
S-58	11/15/96	EPA8100M	0	10	cm	Total PAHs	133,000	µg/kg
S-58	11/15/96	EPA8270	0	10	cm	Total PAHs	125,645	µg/kg
S-60	11/15/96	EPA8100M	0	10	cm	Total PAHs	259,000	µg/kg
S-60	11/15/96	EPA8270	0	10	cm	Total PAHs	22,090	µg/kg
S-60	11/15/96	EPA8100M	10	20	cm	Total PAHs	146,000	µg/kg
S-60	11/15/96	EPA8270	10	20	cm	Total PAHs	186,770	µg/kg
S-60A-D	11/15/96	EPA8100M	0	10	cm	Total PAHs	126,000	µg/kg
S-60A-D	11/15/96	EPA8270SIM	0	10	cm	Total PAHs	19,054	µg/kg
S-61	11/15/96	EPA8100M	0	10	cm	Total PAHs	140,000	µg/kg
S-61	11/15/96	EPA8270	0	10	cm	Total PAHs	35,059	µg/kg
S-62	11/15/96	EPA8270	0	10	cm	Total PAHs	32,786	µg/kg
S-62	11/15/96	EPA8100M	0	10	cm	Total PAHs	119,000	µg/kg
S-63	11/16/96	EPA8100M	0	10	cm	Total PAHs	105,000	µg/kg
S-63	11/16/96	EPA8270	0	10	cm	Total PAHs	34,345	µg/kg
S-64	11/16/96	EPA8100M	0	10	cm	Total PAHs	125,000	µg/kg
S-64	11/16/96	EPA8270	0	10	cm	Total PAHs	143,405	µg/kg
S-65	11/16/96	EPA8100M	0	10	cm	Total PAHs	125,000	µg/kg
S-65	11/16/96	EPA8280	0	10	cm	Total PAHs	82	µg/kg
S-65	11/16/96	EPA8270	0	10	cm	Total PAHs	68,670	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration	Conc. Units
S-65	11/16/96	EPA8100M	10	20	cm	Total PAHs	119,000	µg/kg
S-66	11/16/96	EPA8100M	0	10	cm	Total PAHs	119,000	µg/kg
S-66	11/16/96	EPA8270	0	10	cm	Total PAHs	125,280	µg/kg
S-68	11/13/96	EPA8100M	0	10	cm	Total PAHs	77,000	µg/kg
S-69	11/15/96	EPA8100M	0	10	cm	Total PAHs	91,000	µg/kg
S-69	11/15/96	EPA8270	0	10	cm	Total PAHs	5,801	µg/kg
S-70	11/15/96	EPA8270	0	10	cm	Total PAHs	15,870	µg/kg
S-70	11/15/96	EPA8100M	0	10	cm	Total PAHs	195,000	µg/kg
S-71	11/15/96	EPA8100M	0	10	cm	Total PAHs	126,000	µg/kg
S-71	11/15/96	EPA8270	0	10	cm	Total PAHs	18,730	µg/kg
S-72	11/16/96	EPA8100M	0	10	cm	Total PAHs	65,100	µg/kg
S-72	11/16/96	EPA8270	0	10	cm	Total PAHs	6,893	µg/kg
S-73	11/16/96	EPA8100M	0	10	cm	Total PAHs	77,000	µg/kg
S-73	11/16/96	EPA8270	0	10	cm	Total PAHs	40,440	µg/kg
S-74	11/16/96	EPA8100M	0	10	cm	Total PAHs	125,000	µg/kg
S-74	11/16/96	EPA8270	0.	10	cm	Total PAHs	85,440	µg/kg
S-75	11/16/96	EPA8100M	0	10	cm	Total PAHs	119,000	µg/kg
S-75	11/16/96	EPA8270	0	10	cm	Total PAHs	108,233	µg/kg
S-78	11/15/96	EPA8100M	0	10	cm	Total PAHs	98,000	µg/kg
S-78	11/15/96	EPA8270	0	10	cm	Total PAHs	5,492	µg/kg
S-80	11/13/96	EPA8100M	0	10	cm	Total PAHs	82,000	µg/kg
S-81	11/16/96	EPA8100M	0	10	cm	Total PAHs	84,000	µg/kg
S-81	11/16/96	EPA8270	0	10	cm	Total PAHs	27,562	µg/kg
S-82	11/16/96	EPA8100M	0	10	cm	Total PAHs	126,000	µg/kg
S-82	11/16/96	EPA8270	0	10	cm	Total PAHs	35,410	µg/kg
S-83	11/16/96	EPA8100M	0	10	cm	Total PAHs	112,000	µg/kg
S-83	11/16/96	EPA8270	0	10	cm	Total PAHs	27,770	µg/kg
S-84	11/16/96	EPA8100M	0	10	cm	Total PAHs	49,700	µg/kg
S-84	11/16/96	EPA8270	0	10	cm	Total PAHs	27,081	µg/kg
S-85	11/13/96	EPA8100M	0	10	cm	Total PAHs	51,300	µg/kg
S-89	11/13/96	EPA8100M	0	10	cm	Total PAHs	112,000	µg/kg
S-90	11/16/96	EPA8100M	0	10	cm	Total PAHs	105,000	µg/kg
S-96	11/13/96	EPA8100M	0	10	cm	Total PAHs	113,500	µg/kg
S-96	11/13/96	EPA8270	0	10	cm	Total PAHs	5,703	µg/kg
VS-1	1/27/97	EPA8270SI	0	10	cm	Total PAHs	623	µg/kg
VS-10	1/28/97	EPA8270SI	0	30	cm	Total PAHs	3,874	µg/kg
VS-11	1/28/97	EPA8270SI	0	30	cm	Total PAHs	9,143	µg/kg
VS-18	1/28/97	EPA8260	0	9	cm	Total PAHs	420	µg/kg
VS-18	1/28/97	EPA8270SI	0	8	cm	Total PAHs	200,535	µg/kg
VS-18	1/28/97	EPA8260	45	69	cm	Total PAHs	8	µg/kg
VS-18	1/28/97	EPA8270SI	45	68	cm	Total PAHs	592	µg/kg
VS-18	1/28/97	EPA8260	210	240	cm	Total PAHs	60,000	µg/kg
VS-18	1/28/97	EPA8270SI	210	240	cm	Total PAHs	34,545	µg/kg
VS-2	1/27/97	EPA8270SI	0	9	cm	Total PAHs	21,390	µg/kg
VS-2	1/27/97	EPA8270SI	318	330	cm	Total PAHs	1,932,000	µg/kg
VS-2	1/27/97	EPA8260	318	330	cm	Total PAHs	8,600,000	µg/kg
VS-20	1/27/97	EPA8270SI	0	30	cm	Total PAHs	205,905	µg/kg
VS-20	1/27/97	EPA8270SI	30	60	cm	Total PAHs	140	µg/kg
VS-20	1/27/97	EPA8270SI	60	90	cm	Total PAHs	108	µg/kg
VS-21	1/27/97	EPA8260	0	30	cm	Total PAHs	1,700	µg/kg
VS-21	1/27/97	EPA8270SI	0	30	cm	Total PAHs	452,320	µg/kg
VS-21	1/27/97	EPA8260	30	60	cm	Total PAHs	31	µg/kg
VS-21	1/27/97	EPA8270SI	30	60	cm	Total PAHs	14,372	µg/kg
VS-21	1/27/97	EPA8260	60	90	cm	Total PAHs	19	µg/kg
VS-21	1/27/97	EPA8270SI	60	90	cm	Total PAHs	1,312	µg/kg
VS-21	1/27/97	EPA8260	300	360	cm	Total PAHs	340,000	µg/kg
VS-21	1/27/97	EPA8270SI	300	360	cm	Total PAHs	89,740	µg/kg
VS-21	1/27/97	EPA8260	360	390	cm	Total PAHs	30,000	µg/kg
VS-21	1/27/97	EPA8270SI	360	390	cm	Total PAHs	9,989	µg/kg
VS-23	1/29/98	EPA8270SI	0	18	cm	Total PAHs	4,022	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration	Conc. Units
VS-23	1/29/97	EPA8270SI	46	90	cm	Total PAHs	2,601	µg/kg
VS-27	1/30/97	EPA8270SI	0	9	cm	Total PAHs	316,280	µg/kg
VS-27	1/30/97	EPA8270SI	9	39	cm	Total PAHs	984	µg/kg
VS-29	2/3/97	EPA8260	0	30	cm	Total PAHs	270,000	µg/kg
VS-29	2/3/97	EPA8270	0	30	cm	Total PAHs	676,900	µg/kg
VS-29	2/3/97	EPA8260	30	60	cm	Total PAHs	2,000,000	µg/kg
VS-29	2/3/97	EPA8270	30	60	cm	Total PAHs	1,436,500	µg/kg
VS-29	2/3/97	EPA8260	60	90	cm	Total PAHs	540,000	µg/kg
VS-29	2/3/97	EPA8270	60	90	cm	Total PAHs	436,500	µg/kg
VS-29	2/3/97	EPA8260	135	150	cm	Total PAHs	900	µg/kg
VS-29	2/3/97	EPA8270	135	150	cm	Total PAHs	2,120	µg/kg
VS-30	2/3/97	EPA8260	0	30	cm	Total PAHs	59,000	µg/kg
VS-30	2/3/97	EPA8270	0	30	cm	Total PAHs	393,590	µg/kg
VS-30	2/3/97	EPA8270	30	60	cm	Total PAHs	58,200	µg/kg
VS-30	2/3/97	EPA8260	30	60	cm	Total PAHs	30,000	µg/kg
VS-30	2/3/97	EPA8270	60	90	cm	Total PAHs	1,060,100	µg/kg
VS-30	2/3/97	EPA8260	60	90	cm	Total PAHs	1,000,000	µg/kg
VS-30	2/3/97	EPA8260	144	165	cm	Total PAHs	7,900,000	µg/kg
VS-30	2/3/97	EPA8270	144	165	cm	Total PAHs	15,298,000	µg/kg
VS-31	2/3/97	EPA8260	0	30	cm	Total PAHs	1,800	µg/kg
VS-31	2/3/97	EPA8270	0	30	cm	Total PAHs	17,824	µg/kg
VS-31	2/3/97	EPA8260	30	60	cm	Total PAHs	13	µg/kg
VS-31	2/3/97	EPA8270	30	60	cm	Total PAHs	984	µg/kg
VS-31	2/3/97	EPA8260	135	165	cm	Total PAHs	24,000	µg/kg
VS-31	2/3/97	EPA8270	135	165	cm	Total PAHs	17,943	µg/kg
VS-33	2/3/97	EPA8270	0	15	cm	Total PAHs	59,310	µg/kg
VS-33	2/3/97	EPA8270	15	45	cm	Total PAHs	1,519	µg/kg
VS-34	2/3/97	EPA8270	0	15	cm	Total PAHs	82,075	µg/kg
VS-35	2/3/97	EPA8270	0	22.5	cm	Total PAHs	21,940	µg/kg
VS-35	2/3/97	EPA8270	0	24	cm	Total PAHs	5,580	µg/kg
VS-36	2/3/97	EPA8270	80	142.5	cm	Total PAHs	22,153	µg/kg
VS-41	2/5/97	EPA8270	0	9	cm	Total PAHs	2,170	µg/kg
VS-41	2/5/97	EPA8270	198	228	cm	Total PAHs	723	µg/kg
VS-9	1/28/97	EPA8270SI	0	9	cm	Total PAHs	5,348	µg/kg
VT-1	1/24/97	EPA8270SI	30	60	cm	Total PAHs	6,356	µg/kg
VT-1	1/24/97	EPA8270SI	60	90	cm	Total PAHs	17,119	µg/kg
VT-2	2/4/97	EPA8270	24	45	cm	Total PAHs	663	µg/kg
VT-3	2/4/97	EPA8270	12	48	cm	Total PAHs	990	µg/kg
VT-4	2/4/97	EPA8270	15	30	cm	Total PAHs	34,640	µg/kg
VT-5	2/4/97	EPA8270	9	48	cm	Total PAHs	748	µg/kg

13. TABLE SED CPAH. SUMMARY OF CARCINOGENIC PAH CONCENTRATIONS IN SEDIMENTS

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration	Conc. Units
EPA-1	7/21/83	EPA8270	0	30	cm	Total CPAHs	9,412,500	µg/kg
EPA-1	7/21/83	EPA8270	75	105	cm	Total CPAHs	86,500	µg/kg
EPA-1	7/21/83	EPA8270	120	150	cm	Total CPAHs	3,013	µg/kg
EPA-10	7/21/83	EPA8270	0	30	cm	Total CPAHs	690	µg/kg
EPA-11	7/21/83	EPA8270	0	30	cm	Total CPAHs	153	µg/kg
EPA-11	7/21/83	EPA8270	30	60	cm	Total CPAHs	430	µg/kg
EPA-12	7/21/83	EPA8270	0	30	cm	Total CPAHs	513	µg/kg
EPA-12	7/21/83	EPA8270	80	110	cm	Total CPAHs	213	µg/kg
EPA-13	7/21/83	EPA8270	0	30	cm	Total CPAHs	313	µg/kg
EPA-13	7/21/83	EPA8270	40	70	cm	Total CPAHs	213	µg/kg
EPA-13	7/21/83	EPA8270	80	110	cm	Total CPAHs	213	µg/kg
EPA-2	7/21/83	EPA8270	0	30	cm	Total CPAHs	1,193	µg/kg
EPA-3	7/21/83	EPA8270	0	30	cm	Total CPAHs	1,283	µg/kg
EPA-3	7/21/83	EPA8270	90	120	cm	Total CPAHs	190	µg/kg
EPA-8	7/21/83	EPA8270	0	45	cm	Total CPAHs	762,000	µg/kg
EPA-8	7/21/83	EPA8270	60	90	cm	Total CPAHs	1,720	µg/kg
EPA-9	7/21/83	EPA8270	0	30	cm	Total CPAHs	7,170	µg/kg
JB-1	2/7/97	EPA8270	0	10	cm	Total CPAHs	2,595	µg/kg
JB-2	2/7/97	EPA8270	0	10	cm	Total CPAHs	3,580	µg/kg
JB-3	2/7/97	EPA8270	0	10	cm	Total CPAHs	11,140	µg/kg
JB-7	2/14/97	EPA8270	0	10	cm	Total CPAHs	2,538	µg/kg
JB-8	2/14/97	EPA8270	0	10	cm	Total CPAHs	5,990	µg/kg
QB-1	1/1/90	EPA8270	0	2	cm	Total CPAHs	4,760	µg/kg
QB-12	1/1/90	EPA8270	0	2	cm	Total CPAHs	114,125	µg/kg
QB-13	1/1/90	EPA8270	0	2	cm	Total CPAHs	717,050	µg/kg
QB-14	1/1/90	EPA8270	0	2	cm	Total CPAHs	825	µg/kg
QB-4	1/1/90	EPA8270	0	2	cm	Total CPAHs	985,050	µg/kg
QB-5	1/1/90	EPA8270	0	2	cm	Total CPAHs	12,920	µg/kg
QB-6	1/1/90	EPA8270	0	2	cm	Total CPAHs	62,600	µg/kg
QB-7	1/1/90	EPA8270	0	2	cm	Total CPAHs	25,285	µg/kg
QB2-12	1/1/90	EPA8270	0	2	cm	Total CPAHs	92,400	µg/kg
QB2-13	1/1/90	EPA8270	0	2	cm	Total CPAHs	237,900	µg/kg
QB2-6	1/1/90	EPA8270	0	2	cm	Total CPAHs	20,880	µg/kg
S-101	11/14/96	EPA8100M	0	10	cm	Total CPAHs	36,000	µg/kg
S-103	11/13/96	EPA8270	0	10	cm	Total CPAHs	6,000	µg/kg
S-103	11/13/96	EPA8100M	0	10	cm	Total CPAHs	16,600	µg/kg
S-104	11/13/96	EPA8100M	0	10	cm	Total CPAHs	11,400	µg/kg
S-111	11/13/96	EPA8100M	0	10	cm	Total CPAHs	22,000	µg/kg
S-112	11/14/96	EPA8100M	0	10	cm	Total CPAHs	44,000	µg/kg
S-112	11/14/96	EPA8270	0	10	cm	Total CPAHs	5,120	µg/kg
S-112-D	11/14/96	EPA8100M	0	10	cm	Total CPAHs	44,000	µg/kg
S-112-D	11/14/96	EPA8270SI	0	10	cm	Total CPAHs	7,580	µg/kg
S-154	11/15/96	EPA8100M	0	10	cm	Total CPAHs	32,000	µg/kg
S-154	11/15/96	EPA8270	0	10	cm	Total CPAHs	2,785	µg/kg
S-155	11/15/96	EPA8100M	0	10	cm	Total CPAHs	38,000	µg/kg
S-155	11/15/96	EPA8270	0	10	cm	Total CPAHs	5,130	µg/kg
S-156	11/15/96	EPA8270	0	10	cm	Total CPAHs	3,070	µg/kg
S-156	11/15/96	EPA8100M	0	10	cm	Total CPAHs	32,000	µg/kg
S-156	11/15/96	EPA8100M	10	20	cm	Total CPAHs	22,000	µg/kg
S-35	11/14/96	EPA8100M	0	10	cm	Total CPAHs	36,000	µg/kg
S-36	11/14/96	EPA8100M	0	10	cm	Total CPAHs	30,000	µg/kg
S-37	11/14/96	EPA8100M	0	10	cm	Total CPAHs	36,000	µg/kg
S-38	11/15/96	EPA8100M	0	10	cm	Total CPAHs	36,000	µg/kg
S-38	11/15/96	EPA8270	0	10	cm	Total CPAHs	9,490	µg/kg
S-39	11/14/96	EPA8100M	0	10	cm	Total CPAHs	18,600	µg/kg
S-39	11/14/96	EPA8270	0	10	cm	Total CPAHs	548	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration	Conc. Units
S-40	11/14/96	EPA8100M	0	10	cm	Total CPAHs	34,000	µg/kg
S-40	11/14/96	EPA8270	0	10	cm	Total CPAHs	5,120	µg/kg
S-41	11/13/96	EPA8100M	0	10	cm	Total CPAHs	26,000	µg/kg
S-42	11/14/96	EPA8100M	0	10	cm	Total CPAHs	13,200	µg/kg
S-44	11/15/96	EPA8100M	0	10	cm	Total CPAHs	18,800	µg/kg
S-44	11/15/96	EPA8270	0	10	cm	Total CPAHs	7,840	µg/kg
S-45	11/15/96	EPA8100M	0	10	cm	Total CPAHs	36,000	µg/kg
S-45	11/15/96	EPA8270	0	10	cm	Total CPAHs	25,380	µg/kg
S-45	11/15/96	EPA8100M	10	20	cm	Total CPAHs	24,000	µg/kg
S-45	11/15/96	EPA8270	10	20	cm	Total CPAHs	217,000	µg/kg
S-46	11/14/96	EPA8100M	0	10	cm	Total CPAHs	38,000	µg/kg
S-46	11/14/96	EPA8270	0	10	cm	Total CPAHs	22,580	µg/kg
S-46	11/14/96	EPA8100M	10	20	cm	Total CPAHs	19,000	µg/kg
S-46	11/14/96	EPA8270	10	20	cm	Total CPAHs	80,200	µg/kg
S-46B-D	11/14/96	EPA8270	10	20	cm	Total CPAHs	133,900	µg/kg
S-46B-D	11/14/96	EPA8100M	10	20	cm	Total CPAHs	19,400	µg/kg
S-47	11/14/96	EPA8100M	0	10	cm	Total CPAHs	34,000	µg/kg
S-47	11/14/96	EPA8270	0	10	cm	Total CPAHs	11,000	µg/kg
S-48	11/14/96	EPA8100M	0	10	cm	Total CPAHs	20,000	µg/kg
S-48	11/14/96	EPA8270	0	10	cm	Total CPAHs	20,800	µg/kg
S-49	11/16/96	EPA8100M	0	10	cm	Total CPAHs	22,000	µg/kg
S-49	11/16/96	EPA8270	0	10	cm	Total CPAHs	8,170	µg/kg
S-51	11/15/96	EPA8100M	0	10	cm	Total CPAHs	34,000	µg/kg
S-51	11/15/96	EPA8270	0	10	cm	Total CPAHs	8,430	µg/kg
S-51	11/15/96	EPA8100M	10	20	cm	Total CPAHs	45,500	µg/kg
S-51	11/15/96	EPA8270	10	20	cm	Total CPAHs	347,800	µg/kg
S-52	11/15/96	EPA8270	0	10	cm	Total CPAHs	398,100	µg/kg
S-52	11/15/96	EPA8100M	0	10	cm	Total CPAHs	64,000	µg/kg
S-54	11/15/96	EPA8270	0	10	cm	Total CPAHs	162,700	µg/kg
S-54	11/15/96	EPA8100M	0	10	cm	Total CPAHs	54,000	µg/kg
S-54	11/15/96	EPA8270	10	20	cm	Total CPAHs	13,720	µg/kg
S-54	11/15/96	EPA8100M	10	20	cm	Total CPAHs	24,000	µg/kg
S-55	11/14/96	EPA8100M	0	10	cm	Total CPAHs	35,000	µg/kg
S-55	11/14/96	EPA8270	0	10	cm	Total CPAHs	15,120	µg/kg
S-56	11/14/96	EPA8100M	0	10	cm	Total CPAHs	42,000	µg/kg
S-56	11/14/96	EPA8270	0	10	cm	Total CPAHs	17,870	µg/kg
S-57	11/14/96	EPA8100M	0	10	cm	Total CPAHs	34,000	µg/kg
S-57	11/14/96	EPA8270	0	10	cm	Total CPAHs	54,100	µg/kg
S-58	11/16/96	EPA8100M	0	10	cm	Total CPAHs	38,000	µg/kg
S-58	11/16/96	EPA8270	0	10	cm	Total CPAHs	105,100	µg/kg
S-60	11/15/96	EPA8100M	0	10	cm	Total CPAHs	74,000	µg/kg
S-60	11/15/96	EPA8270	0	10	cm	Total CPAHs	15,140	µg/kg
S-60	11/15/96	EPA8270	10	20	cm	Total CPAHs	74,200	µg/kg
S-60	11/15/96	EPA8100M	10	20	cm	Total CPAHs	22,000	µg/kg
S-60A-D	11/15/96	EPA8100M	0	10	cm	Total CPAHs	98,000	µg/kg
S-60A-D	11/15/96	EPA8270SI	0	10	cm	Total CPAHs	12,270	µg/kg
S-61	11/15/96	EPA8100M	0	10	cm	Total CPAHs	40,000	µg/kg
S-61	11/15/96	EPA8270	0	10	cm	Total CPAHs	23,620	µg/kg
S-62	11/15/96	EPA8100M	0	10	cm	Total CPAHs	34,000	µg/kg
S-62	11/15/96	EPA8270	0	10	cm	Total CPAHs	21,520	µg/kg
S-63	11/16/96	EPA8270	0	10	cm	Total CPAHs	21,520	µg/kg
S-63	11/16/96	EPA8100M	0	10	cm	Total CPAHs	30,000	µg/kg
S-64	11/16/96	EPA8100M	0	10	cm	Total CPAHs	38,000	µg/kg
S-64	11/16/96	EPA8270	0	10	cm	Total CPAHs	120,400	µg/kg
S-65	11/16/96	EPA8100M	0	10	cm	Total CPAHs	36,000	µg/kg
S-65	11/16/96	EPA8270	0	10	cm	Total CPAHs	49,800	µg/kg
S-65	11/16/96	EPA8100M	10	20	cm	Total CPAHs	34,000	µg/kg
S-66	11/16/96	EPA8100M	0	10	cm	Total CPAHs	34,000	µg/kg
S-66	11/16/96	EPA8270	0	10	cm	Total CPAHs	98,700	µg/kg
S-68	11/13/96	EPA8100M	0	10	cm	Total CPAHs	22,000	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration	Conc. Units
S-69	11/15/96	EPA8100M	0	10	cm	Total CPAHs	26,000	µg/kg
S-69	11/15/96	EPA8270	0	10	cm	Total CPAHs	4,140	µg/kg
S-70	11/15/96	EPA8270	0	10	cm	Total CPAHs	10,650	µg/kg
S-70	11/15/96	EPA8100M	0	10	cm	Total CPAHs	38,000	µg/kg
S-71	11/15/96	EPA8270	0	10	cm	Total CPAHs	11,400	µg/kg
S-71	11/15/96	EPA8100M	0	10	cm	Total CPAHs	36,000	µg/kg
S-72	11/16/96	EPA8100M	0	10	cm	Total CPAHs	18,600	µg/kg
S-72	11/16/96	EPA8270	0	10	cm	Total CPAHs	4,230	µg/kg
S-73	11/16/96	EPA8100M	0	10	cm	Total CPAHs	22,000	µg/kg
S-73	11/16/96	EPA8270	0	10	cm	Total CPAHs	29,500	µg/kg
S-74	11/16/96	EPA8100M	0	10	cm	Total CPAHs	32,000	µg/kg
S-74	11/16/96	EPA8270	0	10	cm	Total CPAHs	43,800	µg/kg
S-75	11/16/96	EPA8100M	0	10	cm	Total CPAHs	34,000	µg/kg
S-75	11/16/96	EPA8270	0	10	cm	Total CPAHs	88,300	µg/kg
S-76	11/15/96	EPA8270	0	10	cm	Total CPAHs	3,590	µg/kg
S-76	11/15/96	EPA8100M	0	10	cm	Total CPAHs	28,000	µg/kg
S-80	11/13/96	EPA8100M	0	10	cm	Total CPAHs	20,000	µg/kg
S-81	11/16/96	EPA8270	0	10	cm	Total CPAHs	22,040	µg/kg
S-81	11/16/96	EPA8100M	0	10	cm	Total CPAHs	24,000	µg/kg
S-82	11/16/96	EPA8100M	0	10	cm	Total CPAHs	38,000	µg/kg
S-82	11/16/96	EPA8270	0	10	cm	Total CPAHs	16,310	µg/kg
S-83	11/16/96	EPA8100M	0	10	cm	Total CPAHs	32,000	µg/kg
S-83	11/16/96	EPA8270	0	10	cm	Total CPAHs	15,370	µg/kg
S-84	11/16/96	EPA8100M	0	10	cm	Total CPAHs	14,200	µg/kg
S-84	11/16/96	EPA8270	0	10	cm	Total CPAHs	13,390	µg/kg
S-85	11/13/96	EPA8100M	0	10	cm	Total CPAHs	12,400	µg/kg
S-88	11/13/96	EPA8100M	0	10	cm	Total CPAHs	32,000	µg/kg
S-90	11/16/96	EPA8100M	0	10	cm	Total CPAHs	30,000	µg/kg
S-96	11/13/96	EPA8270	0	10	cm	Total CPAHs	3,255	µg/kg
S-96	11/13/96	EPA8100M	0	10	cm	Total CPAHs	30,000	µg/kg
VS-1	1/27/97	EPA8270SI	0	10	cm	Total CPAHs	233	µg/kg
VS-10	1/28/97	EPA8270SI	0	30	cm	Total CPAHs	1,464	µg/kg
VS-11	1/28/97	EPA8270SI	0	30	cm	Total CPAHs	5,170	µg/kg
VS-18	1/28/97	EPA8270SI	0	9	cm	Total CPAHs	127,500	µg/kg
VS-18	1/28/97	EPA8270SI	45	69	cm	Total CPAHs	331	µg/kg
VS-18	1/28/97	EPA8270SI	210	240	cm	Total CPAHs	29	µg/kg
VS-2	1/27/97	EPA8270SI	0	9	cm	Total CPAHs	14,370	µg/kg
VS-2	1/27/97	EPA8270SI	318	330	cm	Total CPAHs	234,000	µg/kg
VS-20	1/27/97	EPA8270SI	0	30	cm	Total CPAHs	129,000	µg/kg
VS-20	1/27/97	EPA8270SI	30	60	cm	Total CPAHs	60	µg/kg
VS-20	1/27/97	EPA8270SI	60	90	cm	Total CPAHs	57	µg/kg
VS-21	1/27/97	EPA8270SI	0	30	cm	Total CPAHs	284,000	µg/kg
VS-21	1/27/97	EPA8270SI	30	60	cm	Total CPAHs	7,340	µg/kg
VS-21	1/27/97	EPA8270SI	60	90	cm	Total CPAHs	827	µg/kg
VS-21	1/27/97	EPA8270SI	300	360	cm	Total CPAHs	35	µg/kg
VS-21	1/27/97	EPA8270SI	360	390	cm	Total CPAHs	30	µg/kg
VS-23	1/29/93	EPA8270SI	0	18	cm	Total CPAHs	128	µg/kg
VS-23	1/29/93	EPA8270SI	48	60	cm	Total CPAHs	30	µg/kg
VS-27	1/30/97	EPA8270SI	0	9	cm	Total CPAHs	206,000	µg/kg
VS-27	1/30/97	EPA8270SI	9	39	cm	Total CPAHs	517	µg/kg
VS-29	2/3/97	EPA8270	0	30	cm	Total CPAHs	230,200	µg/kg
VS-29	2/3/97	EPA8270	30	60	cm	Total CPAHs	248,500	µg/kg
VS-29	2/3/97	EPA8270	60	90	cm	Total CPAHs	66,200	µg/kg
VS-29	2/3/97	EPA8270	135	150	cm	Total CPAHs	735	µg/kg
VS-30	2/3/97	EPA8270	0	30	cm	Total CPAHs	169,600	µg/kg
VS-30	2/3/97	EPA8270	30	60	cm	Total CPAHs	13,480	µg/kg
VS-30	2/3/97	EPA8270	60	90	cm	Total CPAHs	257,100	µg/kg
VS-30	2/3/97	EPA8270	144	165	cm	Total CPAHs	3,076,000	µg/kg
VS-31	2/3/97	EPA8270	0	30	cm	Total CPAHs	511	µg/kg
VS-31	2/3/97	EPA8270	30	60	cm	Total CPAHs	270	µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration	Conc. Units
VS-31	2/3/97	EPA8270	135	195	cm	Total CPAHs	291	µg/kg
VS-33	2/3/97	EPA8270	0	15	cm	Total CPAHs	1,120	µg/kg
VS-33	2/3/97	EPA8270	15	45	cm	Total CPAHs	270	µg/kg
VS-34	2/3/97	EPA8270	0	15	cm	Total CPAHs	40,900	µg/kg
VS-35	2/3/97	EPA8270	0	22.5	cm	Total CPAHs	12,990	µg/kg
VS-36	2/3/97	EPA8270	0	24	cm	Total CPAHs	1,235	µg/kg
VS-36	2/3/97	EPA8270	60	142.5	cm	Total CPAHs	10,490	µg/kg
VS-41	2/5/97	EPA8270	0	9	cm	Total CPAHs	840	µg/kg
VS-41	2/5/97	EPA8270	198	228	cm	Total CPAHs	288	µg/kg
VS-9	1/28/97	EPA8270SI	0	9	cm	Total CPAHs	2,704	µg/kg
VT-1	1/24/97	EPA8270SI	30	60	cm	Total CPAHs	890	µg/kg
VT-1	1/24/97	EPA8270SI	60	90	cm	Total CPAHs	2,750	µg/kg
VT-2	2/4/97	EPA8270	24	45	cm	Total CPAHs	273	µg/kg
VT-3	2/4/97	EPA8270	12	48	cm	Total CPAHs	385	µg/kg
VT-4	2/4/97	EPA8270	15	30	cm	Total CPAHs	7,930	µg/kg
VT-5	2/4/97	EPA8270	9	45	cm	Total CPAHs	308	µg/kg

14. TABLE SED BTEX. SUMMARY OF BTEX CONCENTRATIONS IN SEDIMENTS

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
S-103	11/13/96	EPA8020	0	10	cm	Ethylbenzene	150	U	µg/kg
S-103	11/13/96	EPA8020	0	10	cm	Toluene	150	U	µg/kg
S-103	11/13/96	EPA8020	0	10	cm	Benzene	150	U	µg/kg
S-45	11/15/96	EPA8020	10	20	cm	Benzene	150	U	µg/kg
S-45	11/15/96	EPA8020	10	20	cm	Ethylbenzene	150	U	µg/kg
S-45	11/15/96	EPA8020	10	20	cm	Toluene	150	U	µg/kg
S-45	11/15/96	EPA8260	10	20	cm	Benzene	3	U	µg/kg
S-45	11/15/96	EPA8260	10	20	cm	Ethylbenzene	3	U	µg/kg
S-45	11/15/96	EPA8260	10	20	cm	Toluene	3	U	µg/kg
S-46	11/14/96	EPA8020	10	20	cm	Benzene	120	U	µg/kg
S-46	11/14/96	EPA8020	10	20	cm	Ethylbenzene	120	U	µg/kg
S-46	11/14/96	EPA8020	10	20	cm	Toluene	120	U	µg/kg
S-46B-D	11/14/96	EPA8020	10	20	cm	Ethylbenzene	120	U	µg/kg
S-46B-D	11/14/96	EPA8020	10	20	cm	Toluene	120	U	µg/kg
S-46B-D	11/14/96	EPA8020	10	20	cm	Benzene	120	U	µg/kg
S-51	11/15/96	EPA8020	10	20	cm	Ethylbenzene	140	U	µg/kg
S-51	11/15/96	EPA8020	10	20	cm	Toluene	140	U	µg/kg
S-51	11/15/96	EPA8020	10	20	cm	Benzene	140	U	µg/kg
S-52	11/15/96	EPA8020	0	10	cm	Benzene	160	U	µg/kg
S-52	11/15/96	EPA8020	0	10	cm	Ethylbenzene	160	U	µg/kg
S-52	11/15/96	EPA8020	0	10	cm	Toluene	160	U	µg/kg
S-52	11/15/96	EPA8260	0	10	cm	Benzene	3	U	µg/kg
S-52	11/15/96	EPA8260	0	10	cm	Ethylbenzene	14		µg/kg
S-52	11/15/96	EPA8260	0	10	cm	Toluene	3	U	µg/kg
S-54	11/15/96	EPA8020	0	10	cm	Toluene	260	U	µg/kg
S-54	11/15/96	EPA8020	0	10	cm	Benzene	260	U	µg/kg
S-54	11/15/96	EPA8020	0	10	cm	Ethylbenzene	260	U	µg/kg
S-57	11/14/96	EPA8020	0	10	cm	Toluene	240	U	µg/kg
S-57	11/14/96	EPA8020	0	10	cm	Benzene	240	U	µg/kg
S-57	11/14/96	EPA8020	0	10	cm	Ethylbenzene	240	U	µg/kg
S-58	11/16/96	EPA8020	0	10	cm	Benzene	290	U	µg/kg
S-58	11/16/96	EPA8020	0	10	cm	Ethylbenzene	290	U	µg/kg
S-58	11/16/96	EPA8020	0	10	cm	Toluene	290	U	µg/kg
S-60	11/15/96	EPA8020	10	20	cm	Benzene	120	U	µg/kg
S-60	11/15/96	EPA8020	10	20	cm	Ethylbenzene	120	U	µg/kg
S-60	11/15/96	EPA8020	10	20	cm	Toluene	120	U	µg/kg
S-61	11/15/96	EPA8020	0	10	cm	Benzene	270	U	µg/kg
S-61	11/15/96	EPA8020	0	10	cm	Ethylbenzene	270	U	µg/kg
S-61	11/15/96	EPA8020	0	10	cm	Toluene	270	U	µg/kg
S-65	11/16/96	EPA8020	0	10	cm	Ethylbenzene	260	U	µg/kg
S-65	11/16/96	EPA8260	0	10	cm	Toluene	12		µg/kg
S-65	11/16/96	EPA8260	0	10	cm	Ethylbenzene	68		µg/kg
S-65	11/16/96	EPA8020	0	10	cm	Toluene	260	U	µg/kg
S-65	11/16/96	EPA8020	0	10	cm	Benzene	260	U	µg/kg
S-65	11/16/96	EPA8260	0	10	cm	Benzene	4	U	µg/kg
S-74	11/16/96	EPA8020	0	10	cm	Benzene	220	U	µg/kg
S-74	11/16/96	EPA8020	0	10	cm	Ethylbenzene	220	U	µg/kg
S-74	11/16/96	EPA8020	0	10	cm	Toluene	220	U	µg/kg
VS-16	1/28/97	EPA8260	0	9	cm	Benzene	260		µg/kg
VS-16	1/28/97	EPA8260	0	9	cm	Toluene	13		µg/kg
VS-16	1/28/97	EPA8260	0	9	cm	Ethylbenzene	160		µg/kg
VS-16	1/28/97	EPA8260	45	69	cm	Toluene	1	U	µg/kg
VS-16	1/28/97	EPA8260	45	69	cm	Benzene	1	U	µg/kg
VS-16	1/28/97	EPA8260	45	69	cm	Ethylbenzene	1	U	µg/kg
VS-16	1/28/97	EPA8260	210	240	cm	Toluene	7		µg/kg

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
VS-18	1/28/97	EPA8260	210	240	cm	Benzene	190		µg/kg
VS-18	1/28/97	EPA8260	210	240	cm	Ethylbenzene	870		µg/kg
VS-2	1/27/97	EPA8260	318	330	cm	Benzene	69,000	U	µg/kg
VS-2	1/27/97	EPA8260	318	330	cm	Ethylbenzene	190,000		µg/kg
VS-2	1/27/97	EPA8260	318	330	cm	Toluene	140,000		µg/kg
VS-21	1/27/97	EPA8260	0	30	cm	Benzene	15	U	µg/kg
VS-21	1/27/97	EPA8260	0	30	cm	Ethylbenzene	18		µg/kg
VS-21	1/27/97	EPA8260	0	30	cm	Toluene	15	U	µg/kg
VS-21	1/27/97	EPA8260	30	60	cm	Benzene	2	U	µg/kg
VS-21	1/27/97	EPA8260	30	60	cm	Toluene	2	U	µg/kg
VS-21	1/27/97	EPA8260	30	60	cm	Ethylbenzene	2	U	µg/kg
VS-21	1/27/97	EPA8260	60	90	cm	Toluene	2	U	µg/kg
VS-21	1/27/97	EPA8260	60	90	cm	Ethylbenzene	2	U	µg/kg
VS-21	1/27/97	EPA8260	60	90	cm	Benzene	2	U	µg/kg
VS-21	1/27/97	EPA8260	300	360	cm	Toluene	28		µg/kg
VS-21	1/27/97	EPA8260	300	360	cm	Ethylbenzene	1,500		µg/kg
VS-21	1/27/97	EPA8260	300	360	cm	Benzene	780		µg/kg
VS-21	1/27/97	EPA8260	360	390	cm	Toluene	11	U	µg/kg
VS-21	1/27/97	EPA8260	360	390	cm	Benzene	180		µg/kg
VS-21	1/27/97	EPA8260	360	390	cm	Ethylbenzene	400		µg/kg
VS-29	2/3/97	EPA8260	0	30	cm	Benzene	1,600	U	µg/kg
VS-29	2/3/97	EPA8260	0	30	cm	Ethylbenzene	6,000		µg/kg
VS-29	2/3/97	EPA8260	0	30	cm	Toluene	1,800		µg/kg
VS-29	2/3/97	EPA8260	30	60	cm	Ethylbenzene	90,000		µg/kg
VS-29	2/3/97	EPA8260	30	60	cm	Toluene	46,000		µg/kg
VS-29	2/3/97	EPA8260	30	60	cm	Benzene	7,500	U	µg/kg
VS-29	2/3/97	EPA8260	60	90	cm	Toluene	6,400		µg/kg
VS-29	2/3/97	EPA8260	60	90	cm	Benzene	6,300	U	µg/kg
VS-29	2/3/97	EPA8260	60	90	cm	Ethylbenzene	21,000		µg/kg
VS-29	2/3/97	EPA8260	135	150	cm	Toluene	380	U	µg/kg
VS-29	2/3/97	EPA8260	135	150	cm	Ethylbenzene	11,000		µg/kg
VS-29	2/3/97	EPA8260	135	150	cm	Benzene	24,000		µg/kg
VS-30	2/3/97	EPA8260	0	30	cm	Toluene	310		µg/kg
VS-30	2/3/97	EPA8260	0	30	cm	Benzene	1,500		µg/kg
VS-30	2/3/97	EPA8260	0	30	cm	Ethylbenzene	1,400		µg/kg
VS-30	2/3/97	EPA8260	30	60	cm	Toluene	150	U	µg/kg
VS-30	2/3/97	EPA8260	30	60	cm	Benzene	150	U	µg/kg
VS-30	2/3/97	EPA8260	30	60	cm	Ethylbenzene	150	U	µg/kg
VS-30	2/3/97	EPA8260	60	90	cm	Ethylbenzene	15,000	U	µg/kg
VS-30	2/3/97	EPA8260	60	90	cm	Benzene	15,000	U	µg/kg
VS-30	2/3/97	EPA8260	60	90	cm	Toluene	15,000	U	µg/kg
VS-30	2/3/97	EPA8260	144	165	cm	Toluene	610,000		µg/kg
VS-30	2/3/97	EPA8260	144	165	cm	Benzene	290,000		µg/kg
VS-30	2/3/97	EPA8260	144	165	cm	Ethylbenzene	290,000		µg/kg
VS-31	2/3/97	EPA8260	0	30	cm	Toluene	1	U	µg/kg
VS-31	2/3/97	EPA8260	0	30	cm	Ethylbenzene	4		µg/kg
VS-31	2/3/97	EPA8260	0	30	cm	Benzene	6		µg/kg
VS-31	2/3/97	EPA8260	30	60	cm	Ethylbenzene	1	U	µg/kg
VS-31	2/3/97	EPA8260	30	60	cm	Toluene	1	U	µg/kg
VS-31	2/3/97	EPA8260	30	60	cm	Benzene	3		µg/kg
VS-31	2/3/97	EPA8260	135	165	cm	Benzene	690		µg/kg
VS-31	2/3/97	EPA8260	135	165	cm	Ethylbenzene	29		µg/kg
VS-31	2/3/97	EPA8260	135	165	cm	Toluene	7	U	µg/kg

15. TABLE SED METALS. SUMMARY OF METALS CONCENTRATIONS IN SEDIMENTS

Station	Date	Method	Upper Depth	Upper Depth	Depth Units	Analyte	Concentration		Conc. Units
JB-1	2/7/97	6010SE	0	10	cm	Lead	39,000		ug/kg
JB-1	2/7/97	6010	0	10	cm	Antimony	20,000	U	ug/kg
JB-1	2/7/97	7471	0	10	cm	Mercury	200	U	ug/kg
JB-1	2/7/97	7470SE	0	10	cm	Mercury	6	U	ug/kg
JB-1	2/7/97	6010SE	0	10	cm	Zinc	115,000		ug/kg
JB-1	2/7/97	6010SE	0	10	cm	Thallium	10,000	U	ug/kg
JB-1	2/7/97	6010SE	0	10	cm	Silver	600	U	ug/kg
JB-1	2/7/97	6010SE	0	10	cm	Nickel	14,000		ug/kg
JB-1	2/7/97	6010SE	0	10	cm	Copper	28,700		ug/kg
JB-1	2/7/97	6010SE	0	10	cm	Chromium	11,600		ug/kg
JB-1	2/7/97	6010SE	0	10	cm	Cadmium	800		ug/kg
JB-1	2/7/97	6010SE	0	10	cm	Beryllium	200		ug/kg
JB-1	2/7/97	6010SE	0	10	cm	Arsenic	10,000	U	ug/kg
JB-1	2/7/97	6010	0	10	cm	Beryllium	400		ug/kg
JB-1	2/7/97	6010SE	0	10	cm	Selenium	10,000	U	ug/kg
JB-1	2/7/97	6010	0	10	cm	Arsenic	20,000	U	ug/kg
JB-1	2/7/97	6010SE	0	10	cm	Antimony	10,000	U	ug/kg
JB-1	2/7/97	6010	0	10	cm	Cadmium	700	U	ug/kg
JB-1	2/7/97	6010	0	10	cm	Chromium	44,000		ug/kg
JB-1	2/7/97	6010	0	10	cm	Copper	40,000		ug/kg
JB-1	2/7/97	6010	0	10	cm	Lead	42,000		ug/kg
JB-1	2/7/97	6010	0	10	cm	Nickel	34,000		ug/kg
JB-1	2/7/97	6010	0	10	cm	Selenium	20,000	U	ug/kg
JB-1	2/7/97	6010	0	10	cm	Silver	1,000	U	ug/kg
JB-1	2/7/97	6010	0	10	cm	Thallium	20,000	U	ug/kg
JB-1	2/7/97	6010	0	10	cm	Zinc	124,000		ug/kg
JB-2	2/7/97	6010SE	0	10	cm	Zinc	99,600		ug/kg
JB-2	2/7/97	6010SE	0	10	cm	Cadmium	500		ug/kg
JB-2	2/7/97	6010SE	0	10	cm	Chromium	6,600		ug/kg
JB-2	2/7/97	6010SE	0	10	cm	Copper	19,900		ug/kg
JB-2	2/7/97	6010SE	0	10	cm	Lead	31,000		ug/kg
JB-2	2/7/97	6010SE	0	10	cm	Nickel	10,000		ug/kg
JB-2	2/7/97	6010SE	0	10	cm	Selenium	7,000	U	ug/kg
JB-2	2/7/97	7471	0	10	cm	Mercury	100	U	ug/kg
JB-2	2/7/97	6010SE	0	10	cm	Thallium	7,000	U	ug/kg
JB-2	2/7/97	6010SE	0	10	cm	Beryllium	100		ug/kg
JB-2	2/7/97	7470SE	0	10	cm	Mercury	6	U	ug/kg
JB-2	2/7/97	6010	0	10	cm	Copper	24,200		ug/kg
JB-2	2/7/97	6010SE	0	10	cm	Silver	400	U	ug/kg
JB-2	2/7/97	6010	0	10	cm	Chromium	40,000		ug/kg
JB-2	2/7/97	6010	0	10	cm	Nickel	27,000		ug/kg
JB-2	2/7/97	6010SE	0	10	cm	Arsenic	7,000	U	ug/kg
JB-2	2/7/97	6010	0	10	cm	Beryllium	300		ug/kg
JB-2	2/7/97	6010	0	10	cm	Cadmium	400		ug/kg
JB-2	2/7/97	6010	0	10	cm	Arsenic	10,000	U	ug/kg
JB-2	2/7/97	6010	0	10	cm	Lead	33,000		ug/kg
JB-2	2/7/97	6010	0	10	cm	Antimony	10,000	U	ug/kg
JB-2	2/7/97	6010	0	10	cm	Selenium	10,000	U	ug/kg
JB-2	2/7/97	6010	0	10	cm	Silver	600	U	ug/kg
JB-2	2/7/97	6010	0	10	cm	Thallium	10,000	U	ug/kg
JB-2	2/7/97	6010	0	10	cm	Zinc	102,000		ug/kg
JB-2	2/7/97	6010SE	0	10	cm	Antimony	7,000	U	ug/kg
JB-3	2/7/97	6010	0	10	cm	Lead	47,000		ug/kg
JB-3	2/7/97	6010	0	10	cm	Silver	1,000	U	ug/kg
JB-3	2/7/97	6010	0	10	cm	Selenium	20,000	U	ug/kg

Station	Date	Method	Upper Depth	Upper Depth	Depth Units	Analyte	Concentration		Conc. Units
JB-3	2/7/97	6010	0	10	cm	Nickel	34,000		µg/kg
JB-3	2/7/97	6010	0	10	cm	Thallium	20,000	U	µg/kg
JB-3	2/7/97	6010	0	10	cm	Copper	45,700		µg/kg
JB-3	2/7/97	6010	0	10	cm	Chromium	40,000		µg/kg
JB-3	2/7/97	6010	0	10	cm	Cadmium	900		µg/kg
JB-3	2/7/97	6010	0	10	cm	Beryllium	400	U	µg/kg
JB-3	2/7/97	6010	0	10	cm	Antimony	20,000	U	µg/kg
JB-3	2/7/97	6010SE	0	10	cm	Arsenic	10,000	U	µg/kg
JB-3	2/7/97	6010SE	0	10	cm	Antimony	10,000	U	µg/kg
JB-3	2/7/97	6010	0	10	cm	Arsenic	20,000	U	µg/kg
JB-3	2/7/97	7470SE	0	10	cm	Mercury	10	U	µg/kg
JB-3	2/7/97	6010	0	10	cm	Zinc	165,000		µg/kg
JB-3	2/7/97	7471	0	10	cm	Mercury	200	U	µg/kg
JB-3	2/7/97	6010SE	0	10	cm	Zinc	159,000		µg/kg
JB-3	2/7/97	6010SE	0	10	cm	Thallium	10,000	U	µg/kg
JB-3	2/7/97	6010SE	0	10	cm	Silver	700	U	µg/kg
JB-3	2/7/97	6010SE	0	10	cm	Selenium	10,000	U	µg/kg
JB-3	2/7/97	6010SE	0	10	cm	Lead	45,000		µg/kg
JB-3	2/7/97	6010SE	0	10	cm	Copper	36,700		µg/kg
JB-3	2/7/97	6010SE	0	10	cm	Chromium	11,000		µg/kg
JB-3	2/7/97	6010SE	0	10	cm	Cadmium	700		µg/kg
JB-3	2/7/97	6010SE	0	10	cm	Nickel	15,000		µg/kg
JB-3	2/7/97	6010SE	0	10	cm	Beryllium	200	U	µg/kg
JB-7	2/14/97	EPA6010	0	10	cm	Zinc	151,000		µg/kg
JB-7	2/14/97	EPA6010	0	10	cm	Beryllium	400	U	µg/kg
JB-7	2/14/97	EPA6010	0	10	cm	Cadmium	1,300		µg/kg
JB-7	2/14/97	EPA6010	0	10	cm	Chromium	43,000		µg/kg
JB-7	2/14/97	EPA6010	0	10	cm	Copper	46,400		µg/kg
JB-7	2/14/97	EPA6010	0	10	cm	Nickel	34,000		µg/kg
JB-7	2/14/97	EPA7471	0	10	cm	Mercury	200	U	µg/kg
JB-7	2/14/97	EPA6010	0	10	cm	Thallium	20,000	U	µg/kg
JB-7	2/14/97	EPA7470	0	10	cm	Mercury	7	U	µg/kg
JB-7	2/14/97	EPA6010	0	10	cm	Arsenic	20,000	U	µg/kg
JB-7	2/14/97	EPA6010	0	10	cm	Lead	66,000		µg/kg
JB-7	2/14/97	EPA6010	0	10	cm	Silver	1,000	U	µg/kg
JB-7	2/14/97	EPA6010	0	10	cm	Arsenic	8,000	U	µg/kg
JB-7	2/14/97	EPA6010	0	10	cm	Selenium	20,000	U	µg/kg
JB-7	2/14/97	EPA6010	0	10	cm	Antimony	20,000	U	µg/kg
JB-7	2/14/97	EPA6010	0	10	cm	Antimony	8,000	U	µg/kg
JB-7	2/14/97	EPA6010	0	10	cm	Beryllium	200		µg/kg
JB-7	2/14/97	EPA6010	0	10	cm	Cadmium	1,200		µg/kg
JB-7	2/14/97	EPA6010	0	10	cm	Chromium	8,000		µg/kg
JB-7	2/14/97	EPA6010	0	10	cm	Copper	32,800		µg/kg
JB-7	2/14/97	EPA6010	0	10	cm	Nickel	12,000		µg/kg
JB-7	2/14/97	EPA6010	0	10	cm	Selenium	8,000	U	µg/kg
JB-7	2/14/97	EPA6010	0	10	cm	Silver	500	U	µg/kg
JB-7	2/14/97	EPA6010	0	10	cm	Lead	59,000		µg/kg
JB-7	2/14/97	EPA6010	0	10	cm	Zinc	130,000		µg/kg
JB-7	2/14/97	EPA6010	0	10	cm	Thallium	8,000	U	µg/kg
JB-8	2/14/97	EPA6010	0	10	cm	Silver	1,000	U	µg/kg
JB-8	2/14/97	EPA6010	0	10	cm	Beryllium	400	U	µg/kg
JB-8	2/14/97	EPA6010	0	10	cm	Cadmium	800	U	µg/kg
JB-8	2/14/97	EPA6010	0	10	cm	Chromium	39,000		µg/kg
JB-8	2/14/97	EPA6010	0	10	cm	Copper	42,000		µg/kg
JB-8	2/14/97	EPA6010	0	10	cm	Lead	50,000		µg/kg
JB-8	2/14/97	EPA6010	0	10	cm	Zinc	160,000		µg/kg
JB-8	2/14/97	EPA6010	0	10	cm	Selenium	20,000	U	µg/kg
JB-8	2/14/97	EPA6010	0	10	cm	Thallium	20,000	U	µg/kg
JB-8	2/14/97	EPA6010	0	10	cm	Arsenic	20,000	U	µg/kg
JB-8	2/14/97	EPA6010	0	10	cm	Copper	27,000		µg/kg

Station	Date	Method	Upper Depth	Upper Depth	Depth Units	Analyte	Concentration		Conc. Units
JB-8	2/14/97	EPA7470	0	10	cm	Mercury	7	U	µg/kg
JB-8	2/14/97	EPA6010	0	10	cm	Nickel	32,000		µg/kg
JB-8	2/14/97	EPA6010	0	10	cm	Antimony	20,000	U	µg/kg
JB-8	2/14/97	EPA6010	0	10	cm	Zinc	402,000		µg/kg
JB-8	2/14/97	EPA6010	0	10	cm	Thallium	9,000	U	µg/kg
JB-8	2/14/97	EPA6010	0	10	cm	Silver	600	U	µg/kg
JB-8	2/14/97	EPA6010	0	10	cm	Selenium	9,000	U	µg/kg
JB-8	2/14/97	EPA6010	0	10	cm	Lead	42,000		µg/kg
JB-8	2/14/97	EPA6010	0	10	cm	Chromium	6,800		µg/kg
JB-8	2/14/97	EPA6010	0	10	cm	Cadmium	600		µg/kg
JB-8	2/14/97	EPA6010	0	10	cm	Beryllium	200	U	µg/kg
JB-8	2/14/97	EPA6010	0	10	cm	Arsenic	9,000	U	µg/kg
JB-8	2/14/97	EPA6010	0	10	cm	Antimony	9,000	U	µg/kg
JB-8	2/14/97	EPA7471	0	10	cm	Mercury	200	U	µg/kg
JB-8	2/14/97	EPA6010	0	10	cm	Nickel	11,000		µg/kg

15B. TABLE SEDIMENT PCP. SUMMARY OF PENTACHLOROPHENOL CONCENTRATIONS IN SEDIMENTS

Station	Date	Method	Upper Depth	Lower Depth	Depth Units	Analyte	Concentration		Conc. Units
EPA-1	7/21/83	EPA8270	0	30	cm	Pentachlorophenol	500,000	U	µg/kg
EPA-1	7/21/83	EPA8270	75	105	cm	Pentachlorophenol	20,000	U	µg/kg
EPA-1	7/21/83	EPA8270	120	150	cm	Pentachlorophenol	500	U	µg/kg
EPA-10	7/21/83	EPA8270	0	30	cm	Pentachlorophenol	250	U	µg/kg
EPA-11	7/21/83	EPA8270	0	30	cm	Pentachlorophenol	250	U	µg/kg
EPA-11	7/21/83	EPA8270	30	60	cm	Pentachlorophenol	250	U	µg/kg
EPA-12	7/21/83	EPA8270	0	30	cm	Pentachlorophenol	500	U	µg/kg
EPA-12	7/21/83	EPA8270	80	110	cm	Pentachlorophenol	500	U	µg/kg
EPA-13	7/21/83	EPA8270	0	30	cm	Pentachlorophenol	500	U	µg/kg
EPA-13	7/21/83	EPA8270	40	70	cm	Pentachlorophenol	500	U	µg/kg
EPA-13	7/21/83	EPA8270	80	110	cm	Pentachlorophenol	500	U	µg/kg
EPA-2	7/21/83	EPA8270	0	30	cm	Pentachlorophenol	500	U	µg/kg
EPA-3	7/21/83	EPA8270	0	30	cm	Pentachlorophenol	500	U	µg/kg
EPA-3	7/21/83	EPA8270	90	120	cm	Pentachlorophenol	250	U	µg/kg
EPA-8	7/21/83	EPA8270	0	30	cm	Pentachlorophenol	800,000	U	µg/kg
EPA-8	7/21/83	EPA8270	60	90	cm	Pentachlorophenol	250	U	µg/kg
EPA-9	7/21/83	EPA8270	0	30	cm	Pentachlorophenol	500	U	µg/kg
JB-1	2/7/97	EPA8270	0	10	cm	Pentachlorophenol	830	U	µg/kg
JB-2	2/7/97	EPA8270	0	10	cm	Pentachlorophenol	99	U	µg/kg
JB-3	2/7/97	EPA8270	0	10	cm	Pentachlorophenol	160	U	µg/kg
JB-7	2/14/97	EPA8270	0	10	cm	Pentachlorophenol	120	U	µg/kg
JB-8	2/14/97	EPA8270	0	10	cm	Pentachlorophenol	1,900	U	µg/kg
QB-1	5/15/90	EPA8150	0	2	cm	Pentachlorophenol	15		µg/kg
QB-12	5/15/90	EPA8150	0	2	cm	Pentachlorophenol	25	U	µg/kg
QB-13	5/15/90	EPA8150	0	2	cm	Pentachlorophenol	16		µg/kg
QB-14	5/15/90	EPA8150	0	2	cm	Pentachlorophenol	10	U	µg/kg
QB-4	5/15/90	EPA8150	0	2	cm	Pentachlorophenol	31		µg/kg
QB-5	5/15/90	EPA8150	0	2	cm	Pentachlorophenol	14		µg/kg
QB-6	5/15/90	EPA8150	0	2	cm	Pentachlorophenol	35		µg/kg
QB-7	5/15/90	EPA8150	0	2	cm	Pentachlorophenol	45		µg/kg
QB2-12	5/15/90	EPA8150	0	2	cm	Pentachlorophenol	30		µg/kg
QB2-13	5/15/90	EPA8150	0	2	cm	Pentachlorophenol	30		µg/kg
QB2-5	5/15/90	EPA8150	0	2	cm	Pentachlorophenol	80		µg/kg

Appendix D

Restrictive Covenants

RESTRICTIVE COVENANT

CITY OF RENTON, QUENDALL TERMINALS

This Declaration of Restrictive Covenant is made pursuant to RCW 70.105D.030(1)(f) and (g) and WAC 173-340-440 by the City of Renton, its successors and assigns, and the State of Washington Department of Ecology, its successors and assigns (hereafter "Ecology").

A remedial action (hereafter "Remedial Action") occurred at the property that is the subject of this Restrictive Covenant. The Remedial Action conducted at the property is described in the following documents: 1) Prospective Purchaser Consent Decree, dated _____; and 2) Cleanup Action Plan, dated _____. These documents are on file at Ecology's Northwest Regional Office (NWRO).

This Restrictive Covenant is required because the Remedial Action resulted in residual concentrations of certain hazardous substances which exceed the Model Toxics Control Act Method A Residential Cleanup Level for Soil established under WAC 173-340-740, as described in the RI/FFS for Quendall Terminals dated _____.

The undersigned, the City of Renton, is the fee owner of real property (hereafter "Property") in the County of King, State of Washington, that is subject to this Restrictive Covenant. The Property is legally described as:

> That portion of Government Lot 5 in Section 29, Township 24 North, Range 5 East, W.M., and shoreland adjoining lying westerly of the Northern Pacific Railroad right of way and southerly of a line described as follows:
>
> Beginning at the quarter corner on the south line of said Section 29; thence North 89°58'36" West along the South line of said Lot 5, 1113.01 feet to the westerly line of said Northern Pacific Railroad right of way; thence North 29°44'54" East 849.62 feet along said right of way line to a point hereinafter referred to as Point A; thence continuing North 29°44'54" East 200.01 feet to the true point of beginning of the line herein described; thence South

56°28'50" West 222.32 feet to a point which bears North 59°24'56" West 100.01 feet from said Point A; thence North 59°24'56" West to the inner harbor line and the end of said line description;

Also that portion of said Government Lot 5 lying southeasterly of Lake Washington Boulevard, westerly of secondary State Highway Number 2A and northwesterly of the right of way of public State Highway Number 1 as established by deed recorded under Recording No. 5687408.

Situated in the County of King, State of Washington.

The City of Renton makes the following declaration as to limitations, restrictions, and uses to which the Property may be put and specifies that such declarations shall constitute covenants to run with the land, as provided by law and shall be binding on all parties and all persons claiming under them, including all current and future owners of any portion of or interest in the Property (hereafter "Owner").

Section 1. The Owner shall not alter, modify, or remove any impervious surfaces required by the Cleanup Action Plan in any manner that may result in the release or exposure to the environment of contaminated soil or create a new exposure pathway without prior written approval from Ecology. However, maintenance of the cap may be permitted without notice to Ecology so long as appropriate health and safety protocols are followed. In addition, excavation or other activities connected with site development are permitted so long as appropriate health and safety protocols are followed, a cap of equivalent protectiveness as required by the Cleanup Action Plan is provided following development, and Ecology approves the excavation or activity, which approval shall not be unreasonably withheld.

Section 2. Any activity on the Property that may interfere with the integrity of the Remedial Action and continued protection of human health and the environment is prohibited.

Section 3. Unless authorized by the Cleanup Action Plan or this Restrictive Covenant, any activity on the Property that may result in the release or exposure to the environment of a hazardous substance that remains on the Property as part of the Remedial Action, or create a new exposure pathway, is prohibited without prior written approval from Ecology.

Section 4. Unless authorized by the Cleanup Action Plan, the Owner will not withdraw groundwater from the Property.

Section 5. Access shall be restricted and appropriate signs posted to prevent swimming or direct contact with sediments at the Property.

Section 6. The Owner of the property must give thirty (30) day advance written notice to Ecology of the Owner's intent to convey any interest in the Property. No conveyance of title, easement, lease, or other interest in the Property shall be consummated by the Owner without adequate and complete provision for continued monitoring, operation, and maintenance of the Remedial Action.

Section 7. The Owner must restrict leases to uses and activities consistent with the Restrictive Covenant and notify all lessees of the restrictions on the use of the Property.

Section 8. The Owner must notify and obtain approval from Ecology prior to any use of the Property that is inconsistent with the terms of this Restrictive Covenant. Ecology may approve any inconsistent use only after public notice and comment.

Section 9. The Owner shall allow authorized representatives of Ecology the right to enter the Property at reasonable times for the purpose of evaluating the Remedial Action; to take samples, to inspect remedial actions conducted at the property, and to inspect records that are related to the Remedial Action.

Section 10. The Owner of the Property reserves the right under WAC 173-340-440 to record an instrument that provides that this Restrictive Covenant shall no longer limit use of the Property or be of any further force or effect. However, such an instrument may be recorded only if Ecology, after public notice and opportunity for comment, concurs.

CITY OF RENTON

By: _____
Its: _____

Dated this ___ day of _____, 1999.

ATTEST:

By: _____
City Clerk

APPROVED AS TO FORM:

By: _____
City Attorney

STATE OF WASHINGTON)
) ss.
COUNTY OF _____)

I certify that I know or have satisfactory evidence that _____ is the person who appeared before me, and said person acknowledged that he/she was authorized to execute the instrument and acknowledged it as _____ of the City of Renton to be the free and voluntary act and deed of such party for the uses and purposes mentioned in this instrument.

DATED: _____

_____
(Signature of Notary)

_____
(Print or stamp name of Notary)
NOTARY PUBLIC in and for the State of Washington, residing at _____
My Appointment Expires: _____

Appendix E

Cost Estimates for Remedial Alternatives

Cost summary for nearshore NAPL remedies
Quendall Terminals Property - Renton, Washington

Item	Total Cost
Soil Treatment	**$4,065,835**
Mobilization/Site Preparation	$466,410
Quendall Pond	$1,882,452
Former May Creek	$808,765
North Sump	$908,208
DNAPL Recovery	**$554,567**
Mobilization/Site Preparation	$63,500
North Sump	$245,533
Quendall Pond	$0
Former May Creek	$245,533
Soil Cap	**$2,074,333**
Mobilization/Site Preparation	$63,500
Quendall Pond	$124,023
Former May Creek	$139,563
North Sump	$117,402
Still House	$388,556
Other Method B Exceedances	$1,244,291
Groundwater	**$872,402**
Biosparging	$648,652
Institutional Controls/Monitoring	$223,750
Sediment Remediation	**$8,947,542**
Mobilization/Site Preparation	$468,600
Remove/Recycle Wood Waste	$2,201,595
Gray Zone Capping (1-ft)	$1,452,830
Dredge Nearshore	$3,006,688
T-Dock Dredging	$1,817,829
Mitigation	**$762,000**
Wetland Replacement	$762,000
TOTAL COST	**$17,300,000**

Note: All individual cleanup task costs include 10 percent for engineering and a 15 percent contingency. No costs for conducting maintenance or monitoring are included in these cost estimates

Soil Treatment: Volumes for treatment and stabilization are based on the probable DNAPL distribution from the Upland Constituents Memorandum (RETEC 1997) and the Sediment Quality Memorandum (RETEC 1997)

Capping: Does not include costs for removing and treating or disposing of surface soil and wood waste that may be unsuitable from a geotechnical perspective and require special handling because of construction.

Groundwater Stabilization biosparging cost is based on the conceptual design proposed by Exponent. A detailed design may alter costs significantly.

Groundwater: Monitoring includes triggering of in-water compliance wells and biosparging systems based on compliance monitoring flowchart.

[illegible]

NEARSHORE NAPL REMEDY COST ESTIMATES

A - SOIL REMEDIATION

QUENDALL TERMINALS - RENTON

Material Handling Assumptions:	Overburden	Impacted Volume	Surface Area
Quendall Pond	6,910 cy	14,900 cy	34,300 sf
Former May Creek	7,605 cy	4,105 cy	38,780 sf
North Sump	13,740 cy	5,930 cy	32,260 sf
Still House	22,690 cy	20,010 cy	115,190 sf
			220,530 sf

Capping Area Assumptions:				
Total Area Exceeding Method B	1,200,000 sf			
DNAPL Areas to be Capped with clean fill	220,530 sf			
Area Covered by Development Features	600,000 sf			
Area to be Capped with 3 feet of Clean Fill	379,470 sf			
Cost Estimating Parameters & Methodology:				
Interest Rate	8.0%			
Soil Density (in situ)	1.40 tons/cy			
Excavation and Backfilling				
Mobilization	$50,000			
Excavation/Stockpiling	$8.00	per cy		
Excavation/Backfill Rate	1,000	cy per day		
Dewatering System Install	$10,000	per well		
Dewatering Treatment	$200,000	x (gpm/50)^0.5	$0.003	per gallon carbon regen
Dewatering Discharge to METRO	$0.006	per gal		
Temporary Steel Piling	$15	per sf		
Backfill and Compact On-Site Soil	$5.00	per cy		
Capping				
Mobilization	$50,000			
Asphalt Capping	$1.00	per sf	2.0%	of capital cost
Clean Fill Capping	$1.00	per sf	1.0%	of capital cost
Clean Fill Capping in DNAPL areas	$1.00	per sf	1.0%	of capital cost
Purchase and Deliver Clean Fill	$10.00	per ton		
DNAPL Recovery - Bioslurry Trenching				
Mobilization	$50,000	LS		
Trenching, Backfill	$40	per sf		
Sumps, Pumps, Piping, Controls, Installed	$20,000	each	10.0%	of capital cost
Soil Treatment				
On-Site Thermal Treatment	$100,000	mobilization, plus	$40	per ton
Off-Site Incineration	$750	per ton		
Institutional Controls				
Public Education Program	$20,000	originally, plus	$1,000	per year
Maintaining O&M Plans	$8,000	originally, plus	$800	per year
Deed Restrictions	$5,000	originally		
Analytical Costs per Excavation Area				
Excavation Confirmation	$20,000	LS		
Soil Treatment QA	$10,000	LS		
Engineering, Procurement & Construction Management	12%	of capital		
Contingency	15%	of capital		

COST ESTIMATE FOR
SOIL TREATMENT - MOBILIZATION/SITE PREPARATION

EXCAVATION AND THERMAL Dewatering Rate 50 gpm

Capital Items	Quantity	Units	Cost
Excavation and On-Site Treatment			
Mobilization	1	LS	$50,000
Dewatering Treatment System, Purchase	1	LS	200,000
On-Site Thermal Treatment, Mobilization	1	LS	100,000
Institutional Controls			
Public Education Program	1	LS	20,000
Maintaining O&M Plans	1	LS	8,000
Deed Restrictions	1	LS	5,000
Direct Capital:			$383,000
Engineering, Procurement & Construction Management:			45,960
Contingency:			57,450
Total Capital:			$486,410

Present Worth of Longer Term Operating Costs	Years	Annual	Cost
Institutional Controls			
Public Education Program	30	1000	11,258
Maintaining O&M Plans	30	800	9,006
Total Present Worth, Longer Term O & M Costs:			$20,264
Total Project Capital:			**$506,674**

COST ESTIMATE FOR
QUENDALL POND SOIL TREATMENT

EXCAVATION AND THERMAL

Dewatering Rate 24 gpm

Capital Items	Quantity	Units	Cost
Excavation and On-Site Treatment			
Soil Excavation	21,810	cy	$174,480
Backfilling w/on-site Soil	21,810	cy	109,050
Dewatering System Install	8	well	80,000
Dewatering Treatment - Carbon Regen	1,507,507	gal	4,523
Dewatering Discharge	1,507,507	gal	9,045
Temporary Steel Piling	15,000	sf	225,000
On-Site Thermal Treatment	20,860	ton	834,400
Excavation Confirmation	1	LS	20,000
Soil Treatment QA	1	LS	10,000
Direct Capital:			$1,466,498
Engineering, Procurement & Construction Management:			175,980
Contingency			219,975
Total Capital:			$1,862,452
Total Project Capital:			**$1,862,452**

COST ESTIMATE FOR
FORMER MAY CREEK SOIL TREATMENT

EXCAVATION AND THERMAL Dewatering Rate 32 gpm

Capital Items	Quantity	Units	Cost
Excavation and On-Site Treatment			
Soil Excavation	11,710	cy	$93,680
Backfilling w/on-site Soil	11,710	cy	58,550
Dewatering System Install	8	well	80,000
Dewatering Treatment - Carbon Regen	1,079,194	gal	3,238
Dewatering Discharge	1,079,194	gal	6,475
Temporary Steel Piling	9,000	sf	135,000
On-Site Thermal Treatment	5,747	ton	229,880
Excavation Confirmation	1	LS	20,000
Soil Treatment QA	1	LS	10,000

Direct Capital:	$636,823
Engineering, Procurement & Construction Management:	76,419
Contingency:	95,523
Total Capital:	$808,765
Total Project Capital:	$808,765

COST ESTIMATE FOR
NORTH SUMP SOIL TREATMENT

EXCAVATION AND THERMAL Dewatering Rate 34 gpm

Capital Items	Quantity	Units	Cost
Excavation and On-Site Treatment			
Soil Excavation	19,670	cy	$157,360
Backfilling w/on-site Soil	19,670	cy	98,350
Dewatering System Install	8	well	80,000
Dewatering Treatment - Carbon Regen	1,926,086	gal	5,778
Dewatering Discharge	1,926,086	gal	11,557
On-Site Thermal Treatment	8,302	ton	332,080
Excavation Confirmation	1	LS	20,000
Soil Treatment QA	1	LS	10,000
Direct Capital:			$715,125
Engineering, Procurement & Construction Management:			85,815
Contingency:			107,269
Total Capital:			$908,208
Total Project Capital:			**$908,208**

COST ESTIMATE FOR
SITE CAPPING

MOBILIZATION/SITE PREPARATION

Capital Items	Quantity	Units	Cost
Mobilization	1	LS	$50,000
Direct Capital:			$50,000
Engineering, Procurement & Construction Management:			6,000
Contingency:			7,500
Total Capital:			$63,500
Total Project Capital:			**$63,500**

QUENDALL POND - Excavation and Thermal

Capital Items	Quantity	Units	Cost
Cap with 3ft of clean fill	34,300	sf	$34,300
Purchase and Deliver Clean Fill	3,811	cy	$53,356
Capping QA/QC	1	LS	10,000
Direct Capital:			$97,656
Engineering, Procurement & Construction Management:			11,719
Contingency:			14,648
Total Capital:			$124,023
Total Project Capital:			**$124,023**

COST ESTIMATE FOR
SITE CAPPING

FORMER MAY CREEK - Excavation and Thermal

Capital Items	Quantity	Units	Cost
Cap with 3ft of clean fill	38,780	sf	$38,780
Purchase and Deliver Clean Fill	4,309	cy	$60,324
Capping QA/QC	1	LS	10,000
Direct Capital:			$109,104
Engineering, Procurement & Construction Management			13,093
Contingency			16,366
Total Capital:			$138,563
Total Project Capital:			**$138,563**

COST ESTIMATE FOR
SITE CAPPING

NORTH SUMP - Excavation and Thermal

Capital Items	Quantity	Units	Cost
Cap with 3ft of clean fill	32,260	sf	$32,260
Purchase and Deliver Clean Fill	3,584	cy	$50,182
Capping QA/QC	1	LS	10,000
Direct Capital:			$92,442
Engineering, Procurement & Construction Management:			11,093
Contingency:			13,866
Total Capital:			$117,402
Total Project Capital:			**$117,402**

COST ESTIMATE FOR
SITE CAPPING

STILL HOUSE

Capital Items	Quantity	Units	Cost
Cap with 3ft of clean fill	115,190	sf	$115,190
Purchase and Deliver Clean Fill	12,799	cy	$179,184
Capping QA/QC	1	LS	10,000
Direct Capital:			$304,374
Engineering, Procurement & Construction Management			36,525
Contingency:			45,656
Total Capital:			$386,556
Total Project Capital :			**$386,556**

REMAINDER OF METHOD B EXCEEDANCE AREAS

Capital Items	Quantity	Units	Cost
Cap with 3 feet of Clean Fill	379,470	sf	$379,470
Purchase and Deliver Clean Fill	42,163	cy	$590,287
Capping QA/QC	1	LS	10,000
Direct Capital:			$979,757
Engineering, Procurement & Construction Management:			117,571
Contingency:			146,964
Total Capital:			$1,244,291
Total Project Capital :			**$1,244,291**

COST ESTIMATE FOR
DNAPL RECOVERY

MOBILIZATION/SITE PREPARATION

Capital Items	Quantity	Units	Cost
Mobilization	1	LS	$50,000

Direct Capital:	$50,000
Engineering, Procurement & Construction Management:	6,000
Contingency:	7,500
Total Capital:	$63,500
Total Project Capital :	**$63,500**

COST ESTIMATE FOR
DNAPL RECOVERY

FORMER MAY CREEK

Capital Items	Quantity	Units	Cost
Trench Construction	3,750	sf	$150,000
Soil Treatment	583	ton	$23,333
Sumps, Pumps, etc.	1	ea	20,000
Direct Capital:			$193,333
Engineering, Procurement & Construction Management:			23,200
Contingency:			29,000
Total Capital:			$245,533
Total Project Capital :			**$245,533**

NORTH SUMP

Capital Items	Quantity	Units	Cost
Trench Construction	3,750	sf	$150,000
Soil Treatment	583	ton	$23,333
Sumps, Pumps, etc.	1	ea	20,000
Direct Capital:			$193,333
Engineering, Procurement & Construction Management:			23,200
Contingency:			29,000
Total Capital:			$245,533
Total Project Capital :			**$245,533**

NEARSHORE NAPL REMEDY COST ESTIMATES

B - SEDIMENT REMEDIATION

QUENDALL TERMINALS - RENTON

Material Handling Assumptions:	Dredge Volume		Fill Volume
T-Dock	12,400 cy		12,400 cy
Nearshore PAH/NAPL Sediment (including up to 6 ft in steep areas)	21,480 cy		21,480 cy
Wood Waste	48,200 cy		0 cy
Gray Zone	104,300 cy		0 cy
CDF Wall			25,000 cy
Nearshore Containment (0.5 acres)			20,000 cy
Gray Zone Capping (1-foot thick)			52,200 cy
Sediment Density - After dewatering	1.40 tons/cy		
Wood Waste Density	1.00 tons/cy		
Gray Zone Density	1.20 tons/cy		
Mechanical Dredging			
Initial Moisture Content (% mass - PAH on	55%	Woodwaste/Gray Zone	60%
Moisture Content After Barge	50%		
Moisture Content After Dewatering	30%		
Hydraulic Dredging			
Initial Moisture Content (% volume)	90%		
Moisture Content After Dewatering	50%		
Cost Estimating Parameters & Methodology:			
Interest Rate	8.0%		
Dredging - Mechanical			
Mobilization - Equipment	$80,000 per dredge		
Mobilization - Silt Curtain	$35,000		
Mobilization - Watertight Barge	$110,000 ea		
Shift Rate (8 hours) - Dredging	$5,600 per shift		
Shift Rate (8 hours) - Offloading	$2,900 per shift		
Debris Sweep Wash System	$38,000		
Debris Sweep Area	5 acres		
Debris Sweep Rate	1 acres per shift		
Clean/Wood Waste Dredging & Offloading	1,325 cy per shift		
Clean/Wood Waste Dredge/Offload Shift R	$8,000 per shift		
Contaminated Dredging Rate	250 cy per shift		
Contaminated Upland Offloading Rate	500 cy per shift		
In-Water Thin Layer Filling Rate	1,000 cy per shift		
In-Water Bulk Filling Rate	1,500 cy per shift		
Average Water Generation Rate	26 gpm		
Upland Management			
Mobilization/Site Prep	$50,000		
Mechanical Dredge Dewatering Cell			
Dewatering Cell Construction	$2 per sf		
Soil Holding Time	3 days		
Soil Stockpile Height	3 feet		
Hydraulic Dewatering Cell			
Primary Pond Size	6 acres		
Secondary Pond Size	0.75 acres		
Approximate Berm Length	2768 feet		
Berm Height	8 feet		
Berm Slope	2 :1		

Berm Soil Volume (8 foot crest width)	19,683 cy		
Mechanical Dewatering	$50 per cy		
Dewatering Treatment	$200,000 x (gpm/50)^0.5	$0.003 per gallon	
Water Discharge to METRO	$0.006 per gal	carbon regen	
Upland Handling	$5 per cy		
Excavation - Baxter Cove	$10 per cy		
Backfilling and Compaction	$7 per cy		
Dredging - Hydraulic			
Mobilization - Equipment	$121,000 per dredge		
Mobilization - Silt Curtain	$113,000		
Shift Rate (8 hours)	$3,800 per shift		
Dredging Rate (Soil)	240 cy per shift		
Average Water Generation Rate	2,000 gpm		
Sediment Treatment			
On-Site Thermal Treatment	$100,000 mobilization, plus	$40 per ton	
Off-Site Thermal Treatment, incl. transport	$4,500 setup/profiling +	$45 per ton	
On-Site Recycling of Wood Waste	$12.00 per cy		
Natural Recovery Monitoring	$38,000 per year	$21,000 sampling/analytical	
		$7,000 QA/Reporting	
		$10,000 SPI Camera	
Analytical Costs			
Dredge Monitoring	$20,000		
Sediment Treatment QA	$20,000		
Engineering, Procurement & Construction Mana	12% of capital		
Contingency	15% of capital		
Contractor Overhead/Profit	15% of capital		

COST ESTIMATE FOR

MOBILIZATION/SITE PREPARATION - MECHANICAL DREDGING

Capital Items	Quantity	Units	Cost
Upland Mobilization/Site Prep	1	LS	$50,000
Dewatering Cell Construction	54,000	sf	$108,000
Water Tighten Barges	3	ea	$330,000
	Direct Capital:		$330,000
	Engineering, Procurement & Construction Management:		39,600
	Contingency:		49,500
	Contractor Overhead/Profit:		49,500
	Total Capital:		$468,600
	Total Project Capital Cost:		**$468,600**

COST ESTIMATE FOR

REMOVE/RECYCLE WOOD WASTE

Capital Items	Quantity	Units	Cost
Pre-Dredge Debris Sweep			
Mobilization	1	ea	$115,000
Water Tighten Barges	1	ea	$110,000
Debris Sweep Wash Area	1	ea	$38,000
Dredging	5	acres	$28,000
Offloading	1	LS	$14,000
Dredging			
Mobilization	1	ea	$115,000
Dredging/Offloading/Screening	48,200	cy	$291,019
Dredge Monitoring	1	LS	$20,000
Upland Management			
Upland Handling	48,200	cy	241,000
On-Site Recycling	48,200	cy	578,400

Direct Capital:	$1,550,419
Engineering, Procurement & Construction Management:	186,050
Contingency:	232,563
Contractor Overhead/Profit:	232,563
Total Capital:	$2,201,595
Total Project Capital Cost:	**$2,201,595**

COST ESTIMATE FOR
GRAY ZONE CAPPING (1-ft)

Capital Items	Quantity	Units	Cost
Purchase Soil	73080	ton	730,800
Sediment Placement	52,200	cy	292,320
	Direct Capital:		$1,023,120
	Engineering, Procurement & Construction Management:		122,774
	Contingency:		153,468
	Contractor Overhead/Profit:		153,468
	Total Capital:		$1,452,830
	Total Project Capital Cost:		**$1,452,830**

COST ESTIMATE FOR

T-DOCK DREDGING AND TREATMENT

MECHANICAL

Capital Items	Quantity	Units	Cost
Dredging			
Mobilization	1	ea	$115,000
Dredging	12,400	cy	$277,760
Upland Offloading	12,400	cy	$71,920
Dredge Area Backfilling	12,400	cy	$35,960
Dredge Monitoring	1	LS	$20,000
Dewatering			
Water Treatment	1,040,487	gal	3,121
Treatment			
Upland Handling	12,400	cy	$62,000
On-Site Thermal	17,360	ton	694,400

Direct Capital:	$1,280,161
Engineering, Procurement & Construction Management:	153,619
Contingency:	192,024
Contractor Overhead/Profit:	192,024
Total Capital:	$1,817,829
Total Project Capital Cost:	**$1,817,829**

COST ESTIMATE FOR

NEARSHORE SEDIMENT SEEP EXCAVATION (6 ft below mud line) AND

DREDGING AND TREATING NEARSHORE PAH SEDIMENT

MECHANICAL

Capital Items	Quantity	Units	Cost
Dredging			
Mobilization	1	ea	$115,000
Dredging	21,480	cy	$481,152
Upland Offloading	21,480	cy	$124,584
Dredge Area Backfilling	21,480	cy	$62,292
Dredge Monitoring	1	LS	$20,000
Dewatering			
Water Treatment	1,359,346	gal	4,078
Treatment			
Upland Handling	21,480	cy	$107,400
Thermal	30,072	ton	1,202,880
Direct Capital:			$2,117,386
Engineering, Procurement & Construction Management:			254,086
Contingency.			317,608
Contractor Overhead/Profit:			317,608
Total Capital:			$3,006,688
Total Project Capital Cost:			**$3,006,688**

COST ESTIMATE FOR

MITIGATION - WETLAND REPLACEMENT

Capital Items	Quantity	Units	Cost
Wetland Replacement	1	LS	$600,000
	Direct Capital:		$600,000
	Engineering, Procurement & Construction Management:		72,000
	Contingency:		90,000
	Total Capital:		$762,000
	Total Project Capital Cost:		**$762,000**

NEARSHORE NAPL REMEDY COST ESTIMATES

C-GROUNDWATER

QUENDALL TERMINALS - RENTON

Cost Estimating Parameters & Methodology:				
Interest Rate	8.0%			
Air Sparging Costs				
Air Sparging Wells, Piping, etc. (2" PVC x 30 feet)	$10,000	each		
Air Injection Flow Rate	5	CFM per well		
Air Injection Blower, Controls, Piping, Installed, Fix	$30,000	x (CFM/50)^0.6	6%	of capital
Groundwater Extraction				O&M
Extraction Wells, Piping, etc. (6" PVC x 40 feet)	$25,000	each		
Extraction Rate	75	gpm		
Treatment System	$200,000	x (GPM/50)^0.5	10%	of capital
Carbon Regeneration	$0.003	per gal		O&M
Water Discharge to METRO	$0.006	per gal		
Groundwater Monitoring				
Monitoring Wells	$7,000	ea		
Plans	$20,000			
Sampling and Analytical	$70,000	per year		
Reporting	$20,000	per year		
Institutional Controls				
Public Education Program	$20,000	originally, plus	$1,000	per year
Maintaining O&M Plans	$8,000	originally, plus	$800	per year
Deed Restrictions	$5,000	originally		
QA/QC	$50,000			
Engineering, Procurement & Construction Management	10%	of capital		
Contingency	15%	of capital		

COST ESTIMATE FOR
BIOSPARGING

EXCAVATE AND THERMAL

Capital Items	Quantity	Units	Cost
Air Sparging			
Mobilization	1	LS	350,000
Air Sparging Wells	40	ea	$400,000
Air Injection Blower, Controls, etc.	1	LS	$68,922
Direct Capital:			$518,922
Engineering, Procurement & Construction Management:			51,892
Contingency:			77,838
Total Capital:			$648,652
Total Project Capital Cost:			**$648,652**

COST ESTIMATE FOR
INSTITUTIONAL CONTROLS AND MONITORING

Capital Items	Quantity	Units	Cost
Institutional Controls			
Public Education Program	1	LS	$20,000
Maintaining O&M Plans	1	LS	$8,000
Deed Restrictions	1	LS	$5,000
Groundwater Monitoring			
Wells	18	ea	$126,000
Plans	1	LS	$20,000
Direct Capital:			$179,000
Engineering, Procurement & Construction Management			17,900
Contingency:			26,850
Total Capital:			$223,750
Total Project Capital Cost:			**$223,750**