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MEMORANDUM

TO: Nadine Ramero - Department of Ecology

FROM: Stuart Triolo - Weyerhaeuser Company
Matthew Dalton - Dalton, Olmsted & Fuglevand, Inc.

DATE: Draft - August 9, 1995

SUBJECT: Potential Remediation Areas
Weyerhaeuser East Site
Everett, Washington

REF. NO: WEY-011 (ref: tech1.doc)

This is the first of two technical memoranda to summarize and present pertinent environmental quality data and information for the Weyerhaeuser East Site located in Everett, Washington. The East Site is approximately 115 acres in size and is bordered on the east by the Snohomish River, on the west by the Burlington Northern Railroad (BNRR) switching yard, and on the north and south by other Weyerhaeuser operable units (Figure 1).

The overall purpose of the East Site work is to facilitate preparation, by the Washington State Department of Ecology (Ecology), of a Cleanup Action Plan (CAP). The purpose of this first technical memorandum is:

- To present a discussion of project background and site history;
- Summarize available soil and ground-water quality data; and
- Identify chemicals of concern and potential remediation areas.

The second memorandum will present a general remedial alternatives and proposed remedial approach for portions of the East Site which exceed applicable cleanup levels. The information presented in the technical memoranda will be used to prepare a Draft Remedial Action Plan for the site.

PROJECT BACKGROUND

The East Site is one of seven operable units comprising property owned by the Weyerhaeuser Company in Everett, Washington. Weyerhaeuser's Everett facilities were divided into operable units to facilitate development and reporting of cleanup actions. Furthermore, the East Site was divided into eight areas (3 to 10) based on historical site activities (Figure 2). Most of the East Site is located in former Mill B. Former Mill B facilities included a saw mill, planing mill; power house; dip tanks (containing pentachlorophenol - PCP); spray boots and end sealing facilities; lumber, drying and storage sheds; and other support activities (Hart Crowser 1990a). Several above ground and underground tanks were used to store fuels.

Weyerhaeuser began operations in Everett, Washington in 1902. Mill B was shut down in 1979. In 1982 during demolition, a fire destroyed the Mill B remanufacturing building, the powerhouse, the machine shop and other small buildings (Hart Crowser 1990a). Over the past several years, portions of Areas 6, 7, 8 and 9 have been used for chip storage.

While not a part of the East Site, two other facilities of environmental interest are located in the vicinity. These include a former lead smelter, ore refinery and arsenic processing plant and a former wood treatment plant and machine shop (Mill E). The smelter and associated facilities are owned by ASARCO and are located off-site to the west of the East Site. Mill E and the wood treating building are owned by Weyerhaeuser. The wood treating plant was historically operated by the American Lumber and Treating Company; now Beazer East, Inc. Mill E is located adjacent to the East Site area (Figure 2). Separate soil and ground water studies are being conducted to assess the environmental conditions associated with these sites.

REGULATORY FRAMEWORK

It is the intent of the Weyerhaeuser Company to negotiate a Consent Decree and Cleanup Action Plan (CAP) for remediation of the East Site under the provisions of the Model Toxics Control Act (MTCA) - Chapter 173-340 WAC. The requirements for site characterization and selection of cleanup actions are outlined in Sections WAC 173-340-350 and WAC 173-340-360.

PREVIOUS INVESTIGATIONS

Over the past 5 to 6 years, Weyerhaeuser has contracted for the completion of several studies to assess the environmental conditions of the East Site.

- In April 1990, Hart Crowser (1990a) completed a potential Phase 1 Environmental Assessment of the Mill B area. The assessment included review of historical background data and agency files; interviewing site personnel; and performing a site

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reconnaissance. As part of the assessment, Weyerhaeuser excavated test pits, collected soil and water samples from the test pits, and submitted the samples to the Weyerhaeuser laboratory for analysis.

- As part of a fire water pipeline and roadway/ramp assessment to the Cedar Siding Building, Hart Crowser excavated a series of test pits (TP-12 to TP-22, and FL-1) and collected/analyzed soil samples in the general vicinity of Dip Tank No. 3, in Area 10. Selected soil samples were subjected to screening soil analyses for pentachlorophenol and petroleum hydrocarbons. This work is documented in a letter prepared by Hart Crowser (1990b).
- Based on the Phase 1 assessment, Hart Crowser was contracted to complete additional sampling to assess the nature of soil and ground water conditions on the site. The work consisted of drilling/excavating test pits and borings and screening selected soil samples using a mobile laboratory. The results of this work are presented in a report prepared by Hart Crowser (1990c).
- Additional site evaluation and sampling/analysis work was completed by EMCON from 1992 to February 1995. This work included the excavation and sampling of numerous test pits; analysis of selected soil samples; installation of well points and monitoring wells; and the collection and analysis of six rounds of ground-water samples. EMCON's work through September 1994 is documented in their "Operable Unit Report" (EMCON 1995a). The results of the February 1995 ground water sampling round are summarized in an EMCON (1995b) letter report dated May 11, 1995.
- In addition to the site work completed on the East Site, both Hart Crowser (1989, 1991) and EMCON (1994) have completed site evaluations on the Mill E site. While Mill E is not part of the East Site project, hydrogeologic and selected ground-water quality data collected as part of the Mill E project are useful in evaluating the environmental conditions beneath a portion of the East Site.

HYDROGEOLOGIC SETTING

The previous investigations summarized above present a variety of hydrogeologic information for the East Site. A summary of the hydrogeologic conditions is presented below.

Over 180 test pits and soil borings have been excavated or drilled in the East Site area. Logs of these explorations are presented in Hart Crowser (1989, 1990) and EMCON (1995a). Eleven shallow Water Table Wells (MW-100S to MW-109S), six well points (WP-2 to WP-5; WP-R1 and WP-R2), and four Lower Sand Zone wells (MW-100D, 103D, 105D and 108D) have been installed as part of previous work associated with East site studies. Data is also available from nine Water Table Wells and three Lower Sand

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Zone wells located on the East Site which were installed as part of studies for the Mill E site. The wells are located on Figures 2, 3 and 4. Table 1 summarizes pertinent well construction data.

Environmental Setting: The site is located within the low-lying flood plain of the Snohomish River which is bounded on the west and east by steeply sloped glaciated ridges and hills reaching to 500 feet above sea level. Elevations on the site range in elevation between approximately 8 and 12 feet (ref ??).

The Snohomish River located on the east side of the site is tidally influenced. Tides at Everett range from 11.1 feet mean higher high water (MHHW) to 0.0 feet mean lower low water (MLLW). A salt wedge intrudes approximately 5 miles upstream of the site, beyond the Interstate 5 bridge (EMCON 1995a).

The site area was formerly an estuarine tide flat. In the early 1900's, the tide flat was filled using sand dredged from the river bottom. The bank of the Snohomish River is stabilized with a bulkhead of timber and steel sheet pilings along the length of the site. Since the initial filling of the site, other fills, structure foundations and paving have been placed over the dredge sand.

Geology and Ground-Water Units: The geologic materials which underlie the site are designated, with increasing depth, as follows.

- Grade Fill and Mixed Fill Unit
- Upper Sand (dredge fill)
- Upper Silt Unit (tidal flat deposits)
- Lower Sand Unit (river deposits)
- Lower Silt Unit
- Deep Sand Unit

Hydrogeologically the geologic units can be grouped into five ground-water zones:

- Water Table Zone (upper sand and grade/mixed fills)
- Upper Aquitard (upper silt unit)
- Lower Sand Zone (lower sand unit)
- Lower Aquitard (lower silt unit)
- Deep Sand Zone (deep sand unit)

Geologic sections A-A' and B-B' graphically show the relationships of the ground water zones (Figures 5 and 6). Section A-A' is located in the Mill E area and is presented as a representative section showing the hydrogeologic conditions in the vicinity of the East Site. The trends of the sections are shown on Figures 3 and 4. Table 2 presents a summary of the geologic characteristics of these units.

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Ground-Water Levels and Flow Directions: As discussed above, the Snohomish River is tidally influenced. The general tidal range is approximately 11 feet. Water level fluctuation studies have been completed on the Mill E site (Hart Crowser 1991) to assess the influence of tides on ground-water levels. These studies indicate that tidal-induced water level fluctuations in the Water Table Zone are relatively small and range between 0.2 and 0.5 feet.

Tides cause greater fluctuations of Lower Sand Zone ground-water levels as compared to the Water Table Zone. Water table fluctuations in the Lower Sand Zone wells range between 7 and 9 feet over individual tidal cycles.

Ground-water levels beneath the East site for February and September 1994 and January 1995 are summarized in Table 3. The February and January measurements represent "wet season" conditions while the measurements made in September represent "dry season" conditions. The Water Table Zone wet season depth to water measurements ranged between 1.3 and 8.6 feet in February 1994 and 0.7 to 7.7 feet in January 1995. In September 1994 (dry season), the depth to water ranged between 3.1 to 9.7 feet. Water levels were approximately 1.5 to 4.7 feet lower in September 1994 as compared to January 1995.

Water Table Zone water level measurements in wells located on the south (upland) side of the East Site are generally higher in elevation as compared to wells located on the north (river) side of the site. This data indicates that ground water flows towards the river in the water table zone which is consistent with work completed on Mill E.

Ground water flow evaluations in the Lower Sand Zone made for Mill E also indicate that the net flow is towards the river. However, during periods of high tides, flow is reversed along the shore line.

SOIL AND GROUND-WATER QUALITY DATA

An extensive number of soil and ground water samples have been collected on the East Site as part of the previous work.

- Approximately 250 screening and laboratory analyses of soil samples have been made for a variety of constituents including petroleum hydrocarbons, PCBs/pesticides, polycyclic aromatic hydrocarbons (PAHs), volatile organic compounds (VOCs), phenols (including pentachlorophenol - PCP), and arsenic. The results of these analyses and sample collection depths are summarized in Table 4. Detected compound concentrations are shaded. Soil results are presented in mg/kg - ppm units.

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- Approximately 110 ground water samples have been analyzed for a variety of constituents including petroleum hydrocarbons, volatile organic chemicals, semivolatile organic chemicals, PCBs/pesticides, metals, and conventional parameters. Approximately 80 of the samples are from the Water Table Zone while the remaining samples (30) are from the Lower Sand Zone. The results of these analyses are summarized in Tables 5 (water table wells) and 6 (lower zone wells). Detected compound concentrations are shaded. Concentrations are summarized in mg/l-ppm units (e.g. - petroleum hydrocarbons) or ug/l-ppb units (volatile organic compounds).

Several methods have been used to measure the concentrations of petroleum hydrocarbons in water and soils.

Hydrocarbon Identification (HCID) - Washington State developed this screening method (Ecology 1992). The HCID method is a gas chromatographic (GC) qualitative screening method to determine the presence and type of petroleum products that may be present in a sample. If hydrocarbons were detected, additional analyses were generally conducted.

WTPH-G - is a Washington State GC based method to measure gasoline range hydrocarbons. The method targets lighter-end petroleum hydrocarbons within a carbon range of C7 to C12.

WTPH-D - is a Washington State GC based method to measure diesel range hydrocarbons. The method targets intermediate-weight petroleum hydrocarbons within a carbon range of C12 to C24. The method can be modified to measure a wider range of hydrocarbons (diesel and heavy oil range). This method called WTPH-DX and typically measures the concentrations of petroleum hydrocarbons within a carbon range of C12 to C32.

WTPH-418.1 - is a Washington State infrared based method which measures the concentrations of intermediate to heavier weight hydrocarbons (diesel to heavier fuel oil hydrocarbon range). This method is capable of measuring heavier-weight hydrocarbons as compared to WTPH-DX.

It should be noted that the presence of wood in samples can bias upward the reported hydrocarbon concentrations. Naturally occurring organic wood (biogenic) compounds interfere with standard TPH quantification. Development and application of cleanup levels need to consider this possibility.

The soil and ground-water quality data are discussed on an area by area basis in the following section.

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EAST SITE POTENTIAL REMEDIATION AREAS

A discussion of background, environmental conditions and potential remediation areas for each area within the East Site are presented below. Prior to construction the East Site was filled with dredge sand. The mills and other major structures were supported by piling which still exists. During demolition, the piling was sawed off to below ground level.

A review of site history and available soil data indicates that fuels, wood treating solutions containing pentachlorophenol (PCP), and transformer liquids containing polychlorinated biphenyls (PCBs) are the primary source materials of concern. Based on this finding, development of potential cleanup areas identified using West Site Consent Decree/CAP cleanup criteria as screening levels. The West Site work provided screening levels for petroleum hydrocarbons and PCBs. The presence of other possible constituents of concern, such as PCP and polycyclic aromatic hydrocarbons (PAHs), were also considered, although specific cleanup criteria are not developed at this point in the project; they will be provided in the second memorandum.

Beneath much of the site wood chips and debris are present in site soils. The presence of the woody material can interfere with the measurement of petroleum hydrocarbons in soil, resulting in higher apparent concentrations than actually present. The presence of wood debris will be addressed in developing and applying cleanup standards for the East Site.

AREA 3

Past Area Use: Area 3 is located within the southwest portion of the East Site and is the largest of the East Site subareas. Most of area 3 was used primarily for finished lumber storage. Former activities with the potential to have impacted soil and ground-water quality include a former dip tank, spray booth, oiling stations, above ground diesel storage tanks, and an oil/water separator. The locations of these former facilities are shown on Figure 4.

Current Conditions: The lumber storage sheds have been demolished. Several small structures remain within the southern portion of the area. An asphalt paved road trends along the north side of Area 3. Some asphalt and concrete paving is present. Expanses of grass and several stormwater drainage ditches cover the central part of Area 3.

- **Former Oiling Stations in Area 3:** Test pits A3-06, A3-07A, A3-07B and A3-08 were excavated at the locations of former oiling stations. Analyses were made for petroleum hydrocarbons using the HCID screening technique. If the hydrocarbons were detected the samples were further analyzed using WTPH-DX. As summarized in Table 4, petroleum hydrocarbons were not detected in samples from A3-07A and 07B. At locations A3-06 and A3-08, diesel range hydrocarbons ranged between not

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detected to 3 mg/kg and heavy oil range hydrocarbons ranged between 11 and 16 mg/kg.

Well HC-24 is located generally downgradient of A3-06 and in the general vicinity of A3-07A and 07B. No gasoline, diesel or heavy oil range hydrocarbons were detected in a sample from this well obtained in November 1992 (Table 5). Volatile and semivolatile organic compounds were also analyzed in this sample. Of the compounds analyzed, only toluene was detected at a concentration of 3 ug/l.

- **Former Spray Booth in Area 3:** Test pit A3-13 was excavated at the location of a former spray booth. A soil sample was analyzed for petroleum hydrocarbons and volatile organic compounds. No petroleum hydrocarbons or VOCs were detected in the sample analyzed (Table 4).
- **Former Oil/Water Separator in Area 3:** Test pit A3-10 was excavated at the former location of an oil/water separator. A soil sample analyzed for petroleum hydrocarbons detected petroleum hydrocarbons, but at low concentrations. Diesel range hydrocarbons were detected at 3 mg/kg and heavy oil hydrocarbons were detected at 34 mg/kg.
- **Former Transformer in Area 3:** A sample from test pit A3-12 was analyzed for pesticides/PCBs. PCB 1260 was detected in a soil sample at 0.14 mg/kg.
- **Former Dip Tank in Area 3:** A dip tank for treating lumber using PCP in a carrier oil was formerly located within the northern portion of Area 3 (Figure 4). Four test pits, A3-03A, B, C, D, were excavated and sampled at the former location. Several phenolic compounds were detected including PCP. PCP was detected in all four samples at concentrations between approximately 0.0042 mg/kg and 7.7 mg/kg (Table 4).

A ground water sample from well point WP-3, located generally downgradient of the former dip tank in the Water Table Zone, was collected and analyzed in December 1993. The sample was analyzed for petroleum hydrocarbons, volatile organic compounds (VOCs), and semivolatile organic compounds (SVOCs). Diesel range hydrocarbons were detected at a concentration of 3 mg/l. Naphthalene (estimated at 2 ug/l) was also detected. No other volatile or semivolatile organic compounds were detected except for bis(2-ethylhexyl)phthalate (estimated at 2 ug/l) which was also detected in a laboratory blank.

- **Gate Entrance to Area 3 and Loading Dock Area:** A series of test pits were excavated in a former unpaved loading dock area adjacent to an entrance gate into the East Site. A sample from SEF-05 detected relatively high concentrations of gasoline range hydrocarbons (1,140 mg/kg). Diesel and heavy oil range hydrocarbons were also detected at SEF-05 but at concentrations between 56 mg/kg and 150 mg/kg,

respectively. Samples from other test pits (SEF-1 to SEF-4; SEF-6 to SEF-9; A3-05) did not detect gasoline range hydrocarbons. Some diesel (maximum 165 mg/kg) and heavy oil (maximum 450 mg/kg) range hydrocarbons were detected at locations A3-05, SEF-6 and SEF-7.

Well HC-24 is located generally downgradient of the loading dock area and is screened in the Water Table Zone. As discussed under Former Oiling Stations (above), no petroleum hydrocarbons were detected in a ground water sample and toluene was detected at a concentration of 3 ug/l.

- **Former Above Ground Diesel Storage Tanks in Area 3:** Test pit A3-11 was excavated at the former location of an above ground tank located in the southeast portion of Area 3. A soil sample was analyzed for petroleum hydrocarbons. Diesel range hydrocarbons were not detected and heavy oil hydrocarbons were detected at a concentration of 24 mg/kg.

A second above ground diesel storage tank was located within the southwestern portion of Area 3 at test pit A3-09. Diesel range hydrocarbons were detected at 500 mg/kg and heavy oil range hydrocarbons were detected at 210 mg/kg. Analysis of soil samples from test pits SEF-11 and SEF-16 detected diesel range hydrocarbons up to 768 mg/kg and heavy oil hydrocarbons up to 1,090 mg/kg. No hydrocarbons were detected in test pits SEF-12 to SEF-15.

In July 1993, EMCON completed an interim remediation of this area. Their report titled "South End Follow Up - Summary Report, Weyerhaeuser Everett East Site" dated March 17, 1995 is presented as Attachment B to the EMCON (1995a) Operable Unit Report. The report indicates that two excavations were completed designated EX-1 and EX-2. Approximately 400 to 450 (in-place) cubic yards were removed from the two excavations.

Samples from the stockpiled soil ranged between 143 to 5,020 mg/kg diesel range hydrocarbons and 160 to 2,660 mg/kg heavy oil hydrocarbons. Sidewall samples collected after excavation (discussed below) were substantially lower in concentration compared to the excavated soil.

Excavation EX-1 was irregular in shape and approximately 75-feet long by 40-feet wide and 4-feet deep. The bottom of the excavation encountered ground water at 4-feet. Approximately 7,000 gallons of water was removed from the excavation and treated. Four vertical sidewall samples obtained from the EX-1 excavation indicated diesel range hydrocarbon concentrations of less than 200 mg/kg and heavy oil range hydrocarbons of less than 220 mg/kg.

Excavation EX-2 was rectangular in shape and was approximately 15-feet long, 10-feet wide, and 4-feet deep. Ground water was not encountered. Four vertical sidewall

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samples obtained from the EX-2 excavation indicated diesel range hydrocarbon concentrations of less than 200 mg/kg and heavy oil range hydrocarbons of less than 375 mg/kg.

- **Other General Site Characterization Data in Area 3:** Other test pits were excavated within Area 3 for general site characterization purposes. These pits include A3-01, A3-02A, B and C, A3-04, SEF-10, and SEF-17 to SEF-22. Petroleum hydrocarbons were either not-detected or were detected at concentrations substantially lower than 200 mg/kg. PCBs and several SVOCs were detected in pits A3-02A, B and C but at concentrations well below applicable MTCA cleanup levels.

Water Table Zone wells HC-4, HC-11, HC-17 and HC-25, and Lower Zone Wells HC-11D and MW-11D2 are located on the central, downgradient side of Area 3 (Figure 5). Of the analyses summarized in Tables 5 and 6, only low intermittent detections of diesel range hydrocarbons (0.2 mg/l); heavy oil range hydrocarbons (0.8 mg/l); acetone (21 ug/l), and phenol (0.001 ug/l) were reported.

Well points WP-R1, WP-R2 and WP-05 were installed in the Water Table Zone in the vicinity of the former tank location. No petroleum hydrocarbons or target VOCs were detected in well point WP-05 (acetone, a common laboratory contaminant was detected at a concentration of 14 ug/l). However, several SVOCs such as 2-methylnaphthalene (5 ug/l), naphthalene (71 ug/l), and other PAHs were detected in samples WP-R1.

Potential Remediation Areas in Area 3. Two potential remediation areas are identified for Area 3 (Figure 4):

- RA 3-1 is located at the former dip tank location. PCP was detected in soil at 7.7 mg/l and diesel range hydrocarbons were detected in a downgradient well point (WP-5) at 3 mg/l.
- RA 3-2 is located in the former loading dock area. Gasoline range hydrocarbons were detected at 1,140 mg/kg.
- **Site of Former Diesel Tank:** As described above, remediation of this area has already occurred at the former diesel tank in the southwestern portion of Area 3. Based on soil data obtained from the excavated area sidewalls, petroleum hydrocarbons meet the potential cleanup levels. However, ground water samples obtained in 1993 detected the presence of a variety of petroleum related compounds. Additional monitoring would be required to further assess the need for additional soil excavation.

AREA 4

Past Area Use: Area 4 is located within the south central portion of the East Site and is the smallest of the East Site subareas (Figure 4). The former planer building occupied Area 4. The facility included a paint booth (where end spraying of "cherry brown" paint occurred) and a oil room. The entire planer building was constructed over a concrete base and the entire area surrounding the buiding was covered with asphalt. The planer building was constructed in 1973, shutdown in 1984 and was demolished between 1984 and 1987. On-site reconnaissance also indicated the presence of two end spray locations within the former planer building.

Current Conditions: The concrete foundations of the planer building and asphalt paving remain in Area 4.

- **Former Oiling Station in Area 4.** Analysis of a sample from test pit A4-02 did not detect the presence of petroleum hydrocarbons. Low concentrations (less than 0.2 mg/kg) of naphthalene, pyrene, and phenanthrene were reportedly detected. PCP was detected at a concentration of 0.01 mg/kg.
- **Former Paint Booths.** Samples from test pit locations A4-04 and A4-05 were from the suspected locations of former paint booths. Samples were analyzed for petroleum hydrocarbons, VOCs, and PCP. Petroleum hydrocarbons were detected at A4-04 (diesel and heavy oil range hydrocarbons of 31 mg/kg and 250 mg/kg, respectively). No volatiles were detected at either location. PCP was detected at a concentration of 0.076 mg/kg at A4-04.
- **Hydraulic Oil Drillage From Machinery.** Test pit A4-06 was excavated in an area where hydraulic oil may have dripped from machinery. No petroleum hydrocarbons were detected. Phenanthrene (0.049 mg/kg) and PCP (0.16 mg/kg) were the only semivolatile organic compounds detected.

Other General Site Characterization Data in Area 4: Test pits A4-01 and A4-03 were excavated for general site characterization purposes. No petroleum hydrocarbons were detected at either location. Low concentrations (less than 0.1 mg/kg) of PCP were detected at location A4-03.

Ground-Water Data Downgradient of Area 4. Water table wells HC-18 and HC-20 are situated downgradient of Area 4 within the southern portion of Area 8 screened in the Water Table Zone. Ground-water samples of these wells have been analyzed for petroleum hydrocarbons, VOCs, and SVOCs (Table 5). None of the indicated compound classes were detected.

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Potential Remediation Areas in Area 4. The data indicate that no remediation of soil in Area 4 is necessary. Soil concentrations are below the preliminary screening levels and past activities have not impacted ground-water quality based on monitoring well data.

AREA 5

Past Area Use. Area 5 is the site of the former dry kiln (Figures 3 and 4). The northwest corner is adjacent to the former site of "Dip Tank No. 3" which was located in Area 10 (Figure 3). A former transformer site and oiling station lie within this area. Paints and oils were stored within the northeast part of the site.

Current Conditions. The remaining structure in Area 5 is the Training Building. Most of the area is paved with asphalt. A 100,000 cubic yard sand stockpile currently covers approximately two thirds of the site.

- **Former Transformer Site in Area 5.** Test pit A5-07 was at the site of a former transformer. No petroleum hydrocarbons, VOCs or PCBs/pesticides were detected in a soil sample from this location.
- **Former Oiling Station in Area 5.** No petroleum hydrocarbons were detected at the site of a former oiling station (test pit A5-06).
- **Former Oils/Paint Storage Area.** No petroleum hydrocarbons, PCBs/pesticides, phenolic compounds or SVOCs were detected at this former storage area (test pit A5-09).
- **Dip Tank No. 3.** Data associated with this feature are discussed under Area 10.

Other General Soil Characterization Data in Area 5. Test pits A5-05, 8A, 8B, and 10 to 13 were excavated for general characterization purposes. At these locations, the maximum concentrations of diesel and heavy oil hydrocarbons were 120 mg/kg and 370 mg/kg, respectively. Naphthalene was detected at 8.3 mg/kg in pit A5-05B. Trace concentrations (less than 0.5 mg/kg) of several other SVOCs including PCP were detected. The maximum PCP concentration was less than 0.05 mg/kg.

Ground-Water Data Downgradient of Area 5. Water Table Zone wells HC-18, MW-100S, MW-101S, MW-102S and MW-103S are situated on the downgradient side of Area 8. These wells are also located downgradient of Area 5. As summarized in Table 5, petroleum hydrocarbons, VOCs and SVOCs have generally not been detected or have been detected at relatively low concentrations

Potential Remediation Areas in Area 5. No potential remediation areas are identified for Area 5.

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AREA 6

Past Area Use. Area 6 is the site of former sorting sheds, a dry kiln, and pulp storage building (Figure 3). The southwest corner is adjacent to the former location of Dip Tank No. 3. A transformer was located near the southwest corner of the dry kiln building. The eastern boundary of Area 6 is adjacent to the "Mill B fire area". The northern and eastern portions of Area 6 were used for chip storage.

Current Conditions. The structures which formerly were on Area 6 have been demolished. A chip loading ramp is present on the south side. A majority of the area is covered with the residues from the chip piles.

- **Former Transformer in Area 6.** Test pit A6-03 was excavated at the site of a former transformer. No PCBs were detected. Diesel range (790 mg/kg) and heavy oil range (770 mg/kg) petroleum hydrocarbons and low concentrations of PCP (0.056 mg/kg) and several SVOCs were detected in soil samples from this location.
- **Former Dip Tank No. 3.** Samples obtained to evaluate dip tank no. 3 were obtained within the southwest corner of Area 6. The results of these samples are discussed as part of Area 10.

Other General Site Characterization Data in Area 6: Other test pits were excavated and sampled for general site characterization purposes and as part of a trestle alignment study (TP1 to TP9). Generally low concentrations of petroleum hydrocarbons, PCBs and PCP were detected in samples from the "characterization" pits. The highest concentrations of petroleum hydrocarbons, PCBs, and PCP were detected in test pits A6-10, TP-97 and TP2, respectively.

Ground-Water Data Downgradient of Area. No wells have been installed on Area 6. Wells MW-102S; MW-103S, D; MW-104S; and MW-105S are located downgradient of Area 6 within Areas 7 and 8 in the Water Table Zone. The results of analysis of ground water samples from these wells are discussed in the Area 7 and 8 sections.

Potential Remediation Areas in Area 6. No potential remediation areas are identified for Area 6.

AREA 7

Past Area Use: Area 7 is the site of the former saw mill and includes the Mill B fire area, the former remanufacturing building, former transformer sites, and a former oiling room (Figure 3). The area was also used for chip storage.

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Current Conditions. Most of Area 7 is covered wood chips mixed with other wood and concrete debris.

- **Former Oiling Room.** Test pit A7-06 was excavated at the site of a former oiling room. Heavy oil range hydrocarbons were detected at a concentration of 83,000 mg/kg. At test pit A7-16, located approximately 100 feet east of A7-06, heavy oil hydrocarbons were detected at a concentration of 1,400 mg/kg.
- **Former Transformer Site.** Test pit A7-04a and 04b were excavated at the site of a former transformer. PCBs were detected at concentrations of 1 mg/kg or less.
- **North End of Remanufacturing Site.** Test pits A7-19 and TP104 were located within the north end of the remanufacturing site. Heavy oil range hydrocarbons of 1,174 to 2,300 mg/kg and PCBs between 7 mg/kg and 11 mg/kg were detected in samples from these pits. Carcinogenic PAHs at approximately 40 mg/kg were detected in TP104. PCP was not detected in samples from either pit.

Other General Site Characterization Data in Area 7. Sixteen additional test pits were excavated in the remaining portions of Area 7. Analyses of samples from these test pits indicates generally low concentrations of petroleum hydrocarbons (<1,000 mg/kg), PCBs (<4 mg/kg), and PCP (<1 mg/kg) are present.

Ground-Water Data Downgradient of Area 7. Water table wells MW-104S and MW-105S are located on the down gradient side of Area 7. Only low concentrations of petroleum hydrocarbons (less than 1 mg/l) and acenaphthene (3 ug/l) were detected in samples from MW-104S (Table 5). In well MW-105S, petroleum hydrocarbon concentrations were somewhat higher (up to 3 mg/l heavy oil) and a greater number of SVOCs were detected. A PCB concentration of 13 ug/l is also reported for a sample from MW-105S. Analysis of samples from Lower Sand Zone well MW-105D intermittently detected low (less than 1 mg/l) concentrations of petroleum hydrocarbons, and toluene/xylene (1 ug/l). No SVOCs have been detected.

Additional Assessment. The data for MW-105S suggest that the sample results may have been impacted by sampling technique. This is based on the presence of low solubility compounds such as PCBs and CPAHs. If these compounds are present, even at low concentrations in soil, entrainment of particulates in the samples can cause "non-dissolved" constituents to be extracted during sample preparation. During mid-August MW-105S will be sampled using a low flow sampling technique and the samples be analyzed for petroleum hydrocarbons, PCBs and PAHs.

Potential Remediation Areas in Area 7. Two remediation areas are identified for Area 7 (Figure 3).

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- RA 7-1 consists of the former oiling room area where petroleum hydrocarbons greater than 1,000 mg/kg were detected. The constituents of concern are petroleum hydrocarbons.
- RA 7-2 is located in the northern portion of Area 7. The constituents of concern are petroleum hydrocarbons, PCBs and carcinogenic PAHs.

AREA 8

Past Area Use. Area 8 lies adjacent to the Snohomish River. The southern portion of Area 8 is adjacent to the northern boundary of the Mill E area (Figure 4). A former treating shed, above-ground dip tanks and oil storage shop, and fuel storage tanks were located in this area. Staining is visible beneath the east end of the chip loading ramp in the north end of the area. Remains of large tank supports are evident with the former framing shop foundation. The former above ground diesel storage tank was located at the south side of the oil and paint storage shop.

Current Conditions. Most of Area 8 is covered with asphalt, except near the chip office, which is covered with wood chips. Several concrete foundations are visible. The only remaining building is the chip office. The ramp for the chip dumper is still present on the north side of Area 8.

- **Former Diesel Tank/Wood Treating Area in Area 8.** Test pits A8-06 to A8-10 and TP-111 were excavated in an area formerly used for wood treating and diesel fuel storage. Petroleum hydrocarbons ranged between <20 mg/kg to 29,000 mg/kg (diesel range) and between 200 mg/kg and 47,000 mg/kg (heavy oil range). PCP was detected at greater than 30 mg/kg in a sample from test pit A8-09.
- **Former Dip Tank and Chip Dumper in Area 8.** Test pits A8-01, 2A, 2B, and 03 were excavated at the former location of a dip tank and chip dumper. No petroleum hydrocarbons, VOCs, or PCP and only low concentrations of SVOCs were detected at location A8-01. In test pits A8-02A and A8-03, heavy oil hydrocarbons between 3,300 mg/kg and 3,900 mg/kg were detected and PCP was only detected at a concentration of 0.14 mg/kg. Data from these pits indicate the influence of the chip dumper. A sample from test pit A8-02B, was relatively low in petroleum hydrocarbons, however, PCP was reportedly detected at a concentration of 32 mg/kg. A surface soil sample obtained near A8-02B by Hart Crowser (CL1-SS1) had high petroleum hydrocarbon concentrations (87,000 mg/kg heavy oil).

Other General Site Characterization Data in Area 8: Test pits A8-12 and A8-13 were excavated within the south half of Area 8. No petroleum hydrocarbons, VOCs or SVOCs were detected, with the exception of bis(2-ethylhexyl)phthalate at 0.062 mg/kg. Samples from other test pits (A8-04, A8-05, TP-108, 110 and 112) and a boring (B16) completed

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by EMCON and Hart Crowser within the northern portion of Area 6 only detected the presence of low concentrations of petroleum hydrocarbons and other constituents.

Ground-Water Data Downgradient of Area 8. Water Table Wells HC-18, MW-100S, MW-101S, MW-102S and MW-103S are situated on the downgradient side of Area 8. These wells are also located downgradient of Area 5. As summarized in Tables 5 and 6, petroleum hydrocarbons, VOCs and SVOCs have generally not been detected or have been detected at relatively low concentrations.

Potential Remediation Areas in Area 8. Three potential remediation areas are identified in Area 8 (Figure 3).

- RA 8-1 is associated with the chip dumper. The primary constituents of concern are petroleum hydrocarbons which ranged between not detected to 770 mg/kg (diesel range hydrocarbons) and 3,300 mg/kg to 3,900 mg/kg (heavy oil hydrocarbons).
- RA 8-2 is associated with a former dip tank. The primary constituents of concern are petroleum hydrocarbons and PCP. Heavy oil hydrocarbons were detected at 87,000 mg/kg and PCP was detected at approximately 32 mg/kg.
- RA 8-3 is associated with a wood treating and fuel storage area. The primary constituents of concern are petroleum hydrocarbons and PCP. Diesel range hydrocarbons were detected between 1,700 mg/kg and 29,000 mg/kg and PCP was detected between approximately 0.039 mg/kg and 200 mg/kg.

AREA 9

Past Area Use. Area 9 includes the Mill B fire area and former pipe shop, motor storage building, power house and machine shop, transformer sites and storage, a water tower, scale house and former office building (Figure 3).

Current Conditions. The north end of the site is paved near the truck scale. Demolition debris, mixed with wood chips within the southern portion, is currently present in Area 9.

- **Former Transformer Sites in Area 9.** Test pits A9-07, A9-10, A9-12 and A9-15 were excavated at the former sites of electrical transformers. No PCBs were detected in soil samples from A9-07, A9-12 or A9-15. PCB 1254 was detected at a concentration of 0.64 mg/kg in a soil sample from A9-10.
- **Power House/Machine Shop Sites in Area 9.** Petroleum hydrocarbons greater than 1,000 mg/kg were detected in samples from the former locations of the machine shop and power house. In test pits/borings A9-05, A9-08, A9-11, B1, and TP-113 diesel

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range and/or heavy oil range hydrocarbons exceeded 1,000 mg/kg. Relatively high concentrations (greater than 40 mg/kg) of carcinogenic PAHs were also measured in soil samples from TP-103 and TP113.

PCBs were also detected in several of the soil samples in the immediate vicinity of the machine shop/power house. Concentrations between 2.5 mg/kg and 9.4 mg/kg were detected at TP-103; 2.4 mg/kg was detected at A9-05; and 29 mg/kg was detected at A9-09.

Other General Site Characterization Data in Area 9. At other test pit and boring locations within Area 9, petroleum hydrocarbons were either not detected or were generally detected at concentrations less than 500 mg/kg. PCB concentrations were less than 1 mg/kg.

Ground-Water Data Downgradient of Area 9. Well MW-106S is located within the northern portion of Area 9 in the Water Table Zone. No petroleum hydrocarbons, VOCs or SVOCs, with the exception of several common laboratory contaminants, were detected in ground water samples from this well.

Potential Remediation Areas in Area 9. One remediation area is identified within Area 9 (Figure 3).

- RA 9-1 is within the area of the former power house and machine shop. The primary contaminants of concern are petroleum hydrocarbons and PCBs. Diesel range hydrocarbons were detected between 2,948 mg/kg and 6,900 mg/kg and PCBs ranged between less than 0.04 mg/kg and 27 mg/kg.

AREA 10

Past Area Use: Area 10 includes the former site of dip tank No. 3, and a former above ground diesel tank.

Current Conditions. The concrete foundations of the former pulp storage building no. 1 (and salvage warehouse) and pulp storage building no. 2 (and pres-to-log building) are present in the northern portion of the area. The central part of the area is relatively low and contains a wet and marshy area. The only remaining building in this area is pulp storage building no. 3 (former cedar siding plant) located on the south boundary. Wood chips and wood debris from demolition activities cover most of the unpaved area.

- **Former Diesel Tank Site:** Test pits A10-03 and A10-04 were excavated at a former diesel tank site. Diesel and heavy oil range hydrocarbons greater than 1,000 mg/kg were detected in soil samples from these pits. Several other test pits, A10-16 to A10-18, were excavated in the vicinity of the former tank. Petroleum hydrocarbons were

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not detected in samples from pits A10-16 and A10-18. Diesel and heavy oil range hydrocarbons were detected at approximately 300 mg/kg in a sample from A10-17.

- **Former Oiling Station.** Test pit A10-01 was excavated at a former oiling station. No petroleum hydrocarbons were detected in a soil sample from this pit.
- **Former Transformer Site.** Location A10-05 was the site of a transformer. A soil sample from this site had a PCB 1260 concentration of 87 mg/kg. Heavy oil petroleum hydrocarbons were detected at approximately 1,000 mg/kg.
- **Former Dip Tank No. 3.** Former dip tank no. 3 lies near the intersection of Areas 5, 6 and 10. An extensive number of test pits and borings have been completed within and to the west of the former dip tank location. Petroleum hydrocarbons greater than 1,000 mg/kg were detected at locations A10-09, A10-10, B4, B5 and B11. The highest petroleum hydrocarbon concentrations were detected at B11 where approximately 10,000 mg/kg TPH (based on HCID and 418.1 analyses) were detected. PCP was also detected in several of the soil samples at concentrations between approximately 0.3 mg/kg and 12 mg/kg.
- **West TPH Area.** Relatively high concentrations (>1000 mg/kg) of petroleum hydrocarbons were also detected on the west side of Area 10 at locations A10-07, A10-08, TP-204, TP-205 and TP-207. Concentrations of heavy oil range hydrocarbons measured at 10,000 mg/kg in samples from A10-07 and TP-204. Only very low concentrations (<0.01 mg/kg) of PCP were detected in samples from TP-204, TP-205 and TP-207.

Ground-Water Data Downgradient of Area. Well point WP-4 and MW-107S are located in the vicinity of the former diesel tank site and are screened in the Water Table Zone. Well WP-4 was located downgradient of the former tank site. No petroleum hydrocarbons or VOCs were detected in a sample obtained in December 1992.

Well MW-107S appears to be located cross gradient from the former diesel tank site. VOCs have not been detected in two samples from this well, however petroleum hydrocarbons have been inconsistently detected at concentrations between 1.3 mg/l and 20 mg/l (diesel range hydrocarbons) and between <0.5 mg/l and 5.7 mg/l (heavy oil range hydrocarbons).

Well point WP-2 was located downgradient of the former dip tank no. 3 and in the Water Table Zone. No petroleum hydrocarbons or VOCs were detected in a sample obtained in December 1992. Low concentrations of several SVOCs such as naphthalene (5 ug/l) and PCP (1 ug/l) were detected.

Additional Assessment. The nature of the TPH detections in MW-107S suggests that soil particles may have been entrained in some of the samples and the presence of these

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particles is impacting the sample results. Low flow sampling techniques will be used to sample well MW-107S in August 1995.

Potential Remediation Areas in Area 10. Four potential remediation areas are identified for Area 10 (Figure 3).

- RA 10-1 is the site of a former diesel tank. The constituents of concern are petroleum hydrocarbons. Diesel range hydrocarbons were detected at concentrations between 870 mg/kg and 4,300 mg/kg and heavy oil hydrocarbons were detected at concentrations between 1,700 mg/kg and 2,300 mg/kg.
- RA 10-2 is the site of a former transformer. PCBs are the primary constituent of concern which were detected at a concentration of 87 mg/kg.
- RA 10-3 is the former site of dip tank no. 3. Petroleum hydrocarbons and PCP are the primary constituents of concern. Diesel range hydrocarbons were detected at concentrations between not detected and 1,900 mg/kg and heavy oil hydrocarbons were detected at concentrations between 230 mg/kg and 12,000 mg/kg.
- RA 10-4 is an area where high concentrations of petroleum hydrocarbons were detected. Diesel range hydrocarbons were detected at concentrations between 140 mg/kg and 2,400 mg/kg and heavy oil hydrocarbons were detected at concentrations between 1,100 mg/kg and 16,400 mg/kg.

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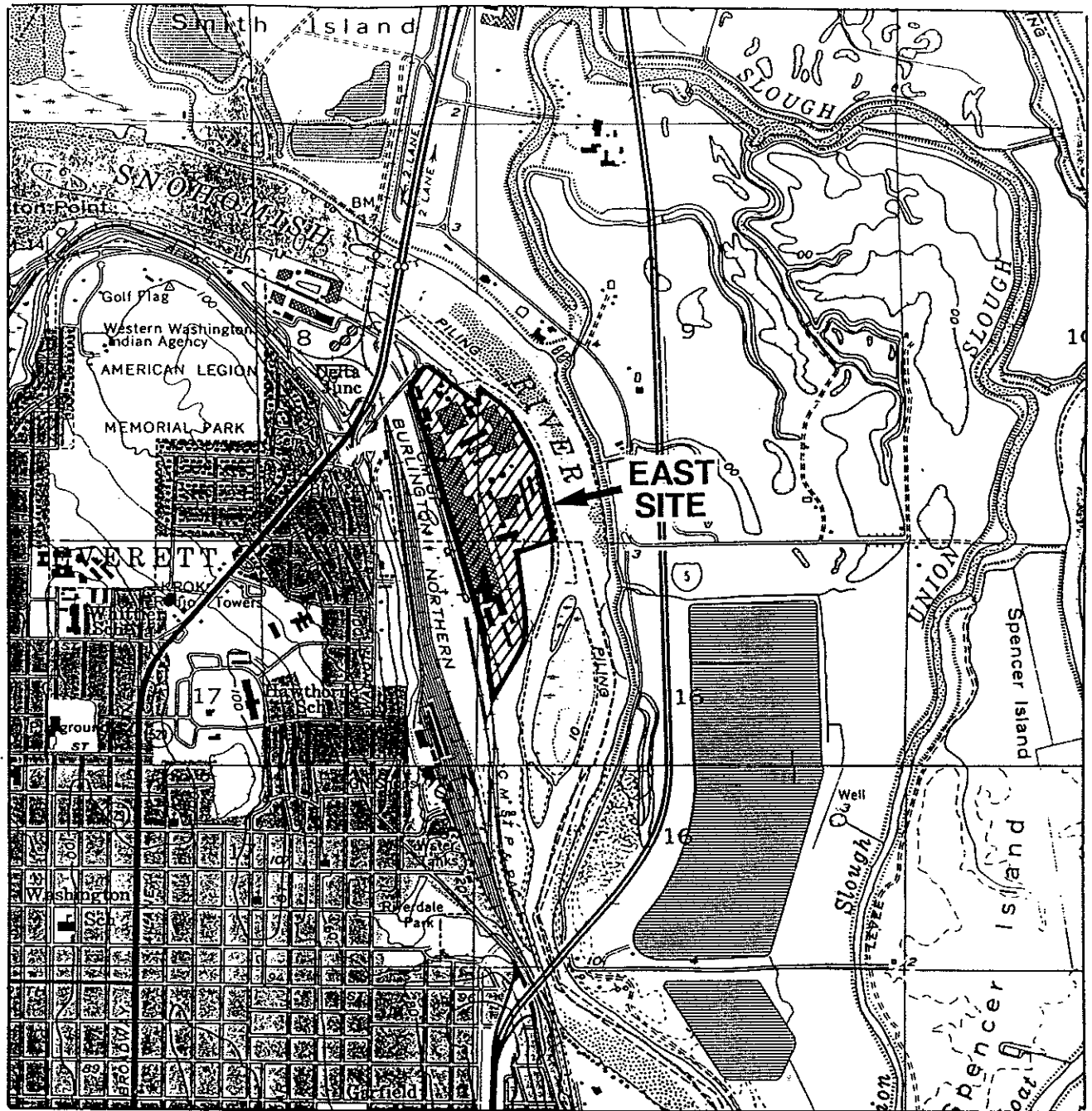
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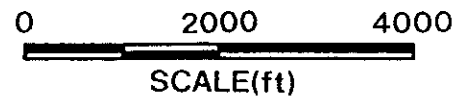
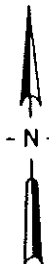
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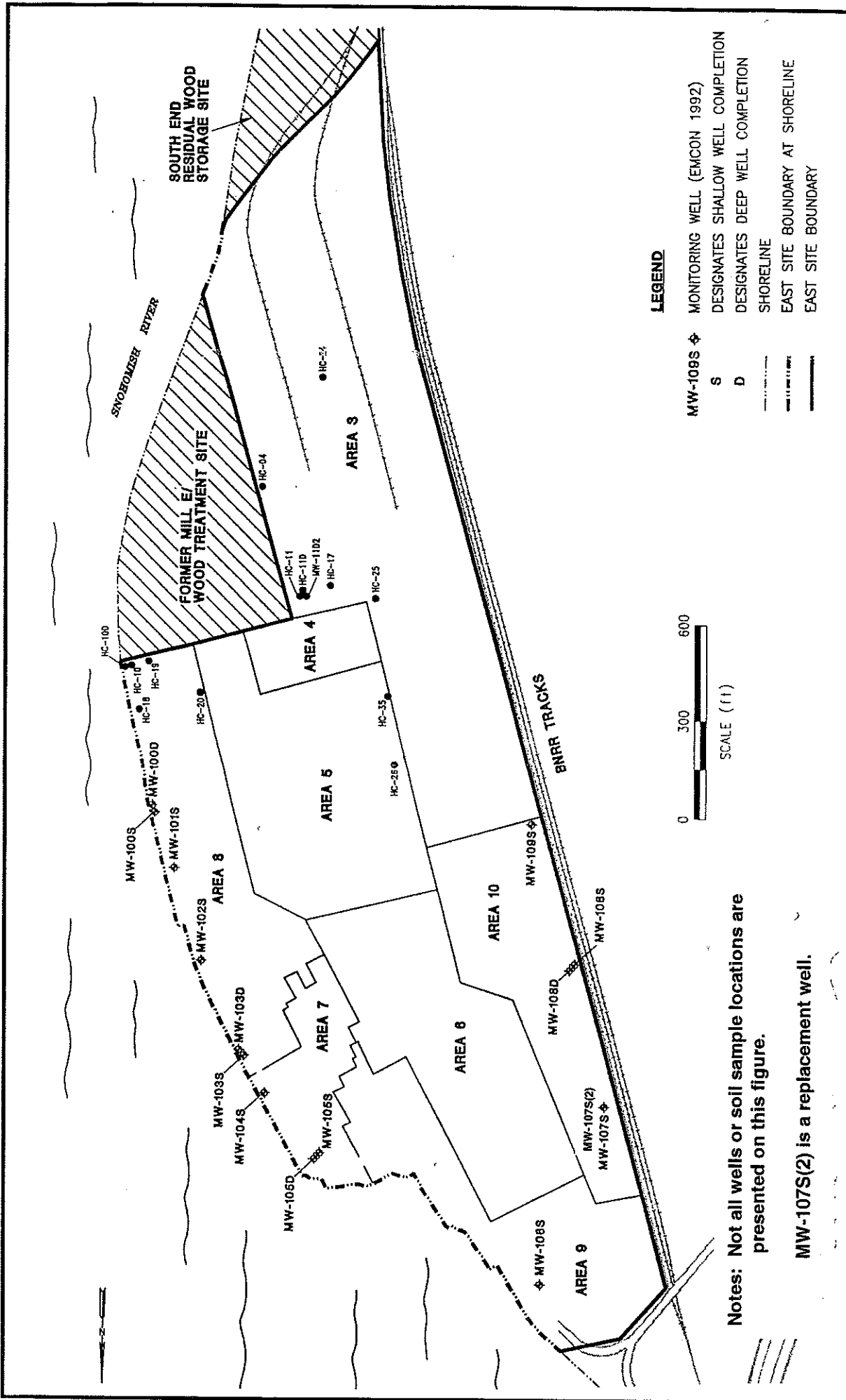


Weyerhaeuser East Site
Everett, Washington

SITE VICINITY MAP

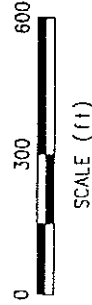
Figure based on Figure 1-1
EMCON (1995a)

WEY-011 **FIGURE 1** July 1995
Dalton, Olmsted & Fuglevand, Inc.



LEGEND

- MW-108S ◊ MONITORING WELL (EMCON 1992)
- S DESIGNATES SHALLOW WELL COMPLETION
- D DESIGNATES DEEP WELL COMPLETION
- SHORELINE
- - - - - EAST SITE BOUNDARY AT SHORELINE
- EAST SITE BOUNDARY

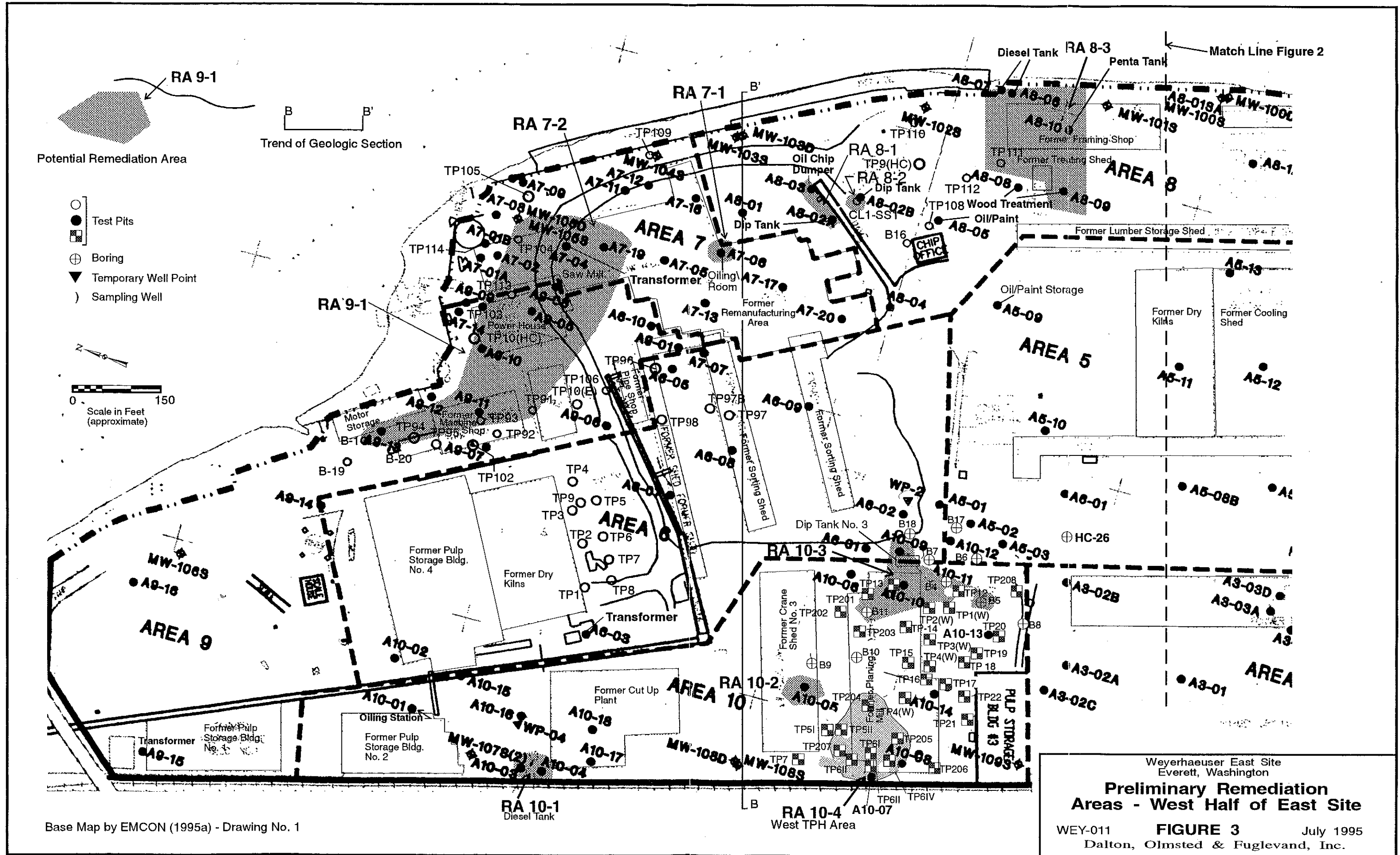


Notes: Not all wells or soil sample locations are presented on this figure.

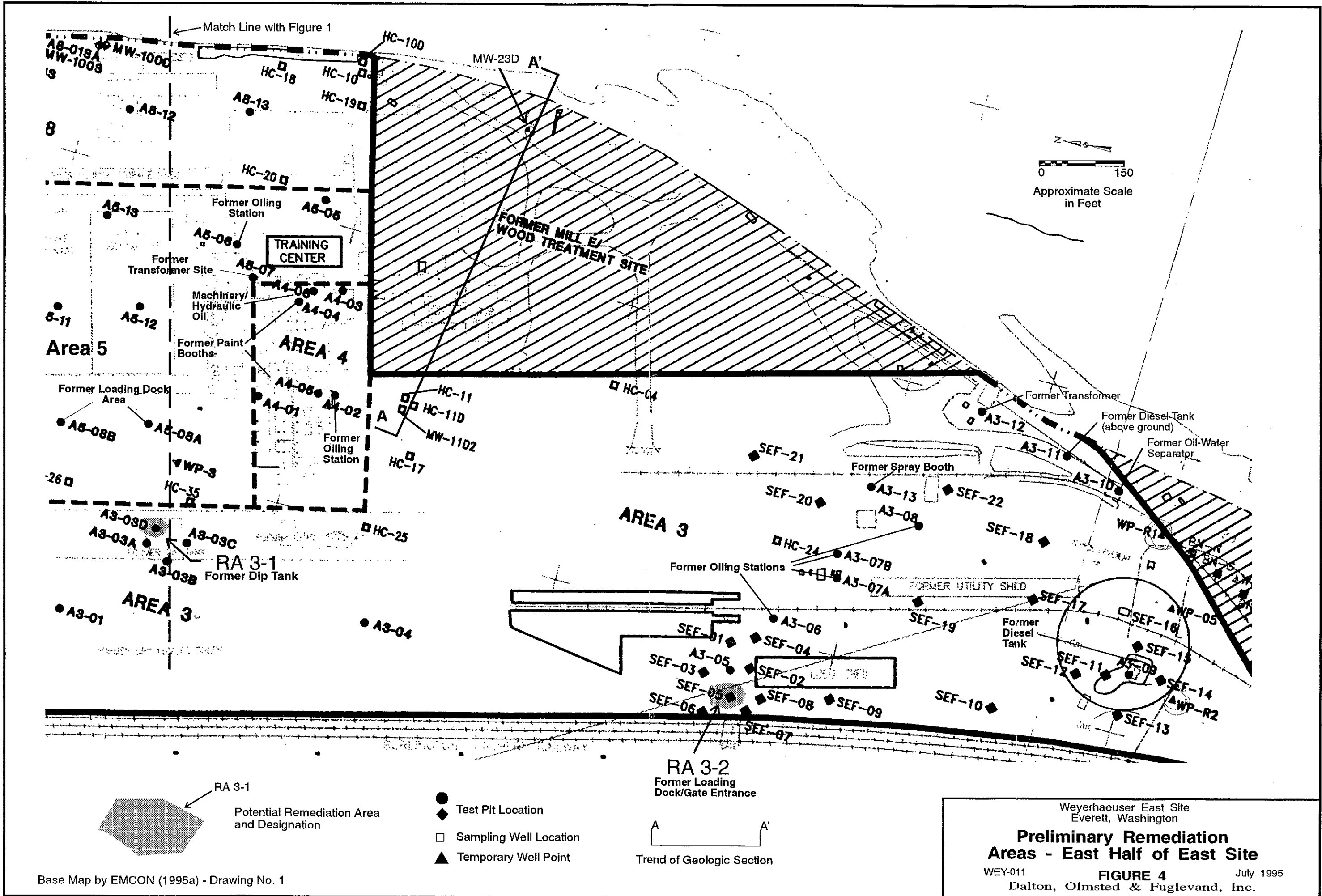
MW-107S(2) is a replacement well.

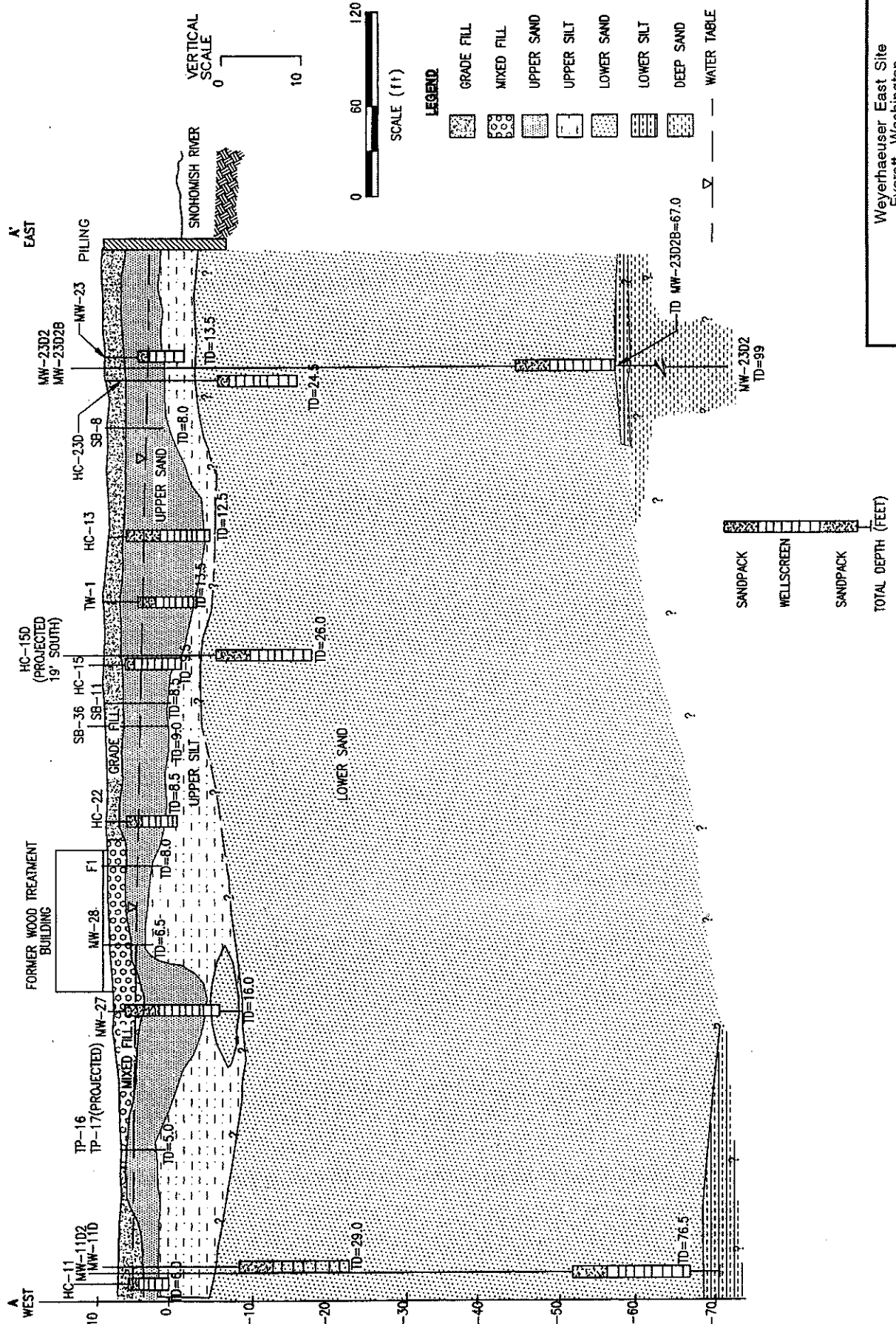
Weyerhaeuser East Site
Everett, Washington

East Site Area Designations



Base Map by EMCON (1995a) - Drawing No. 1

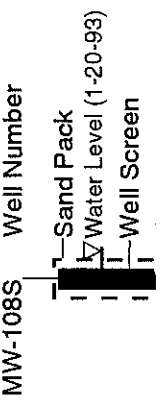
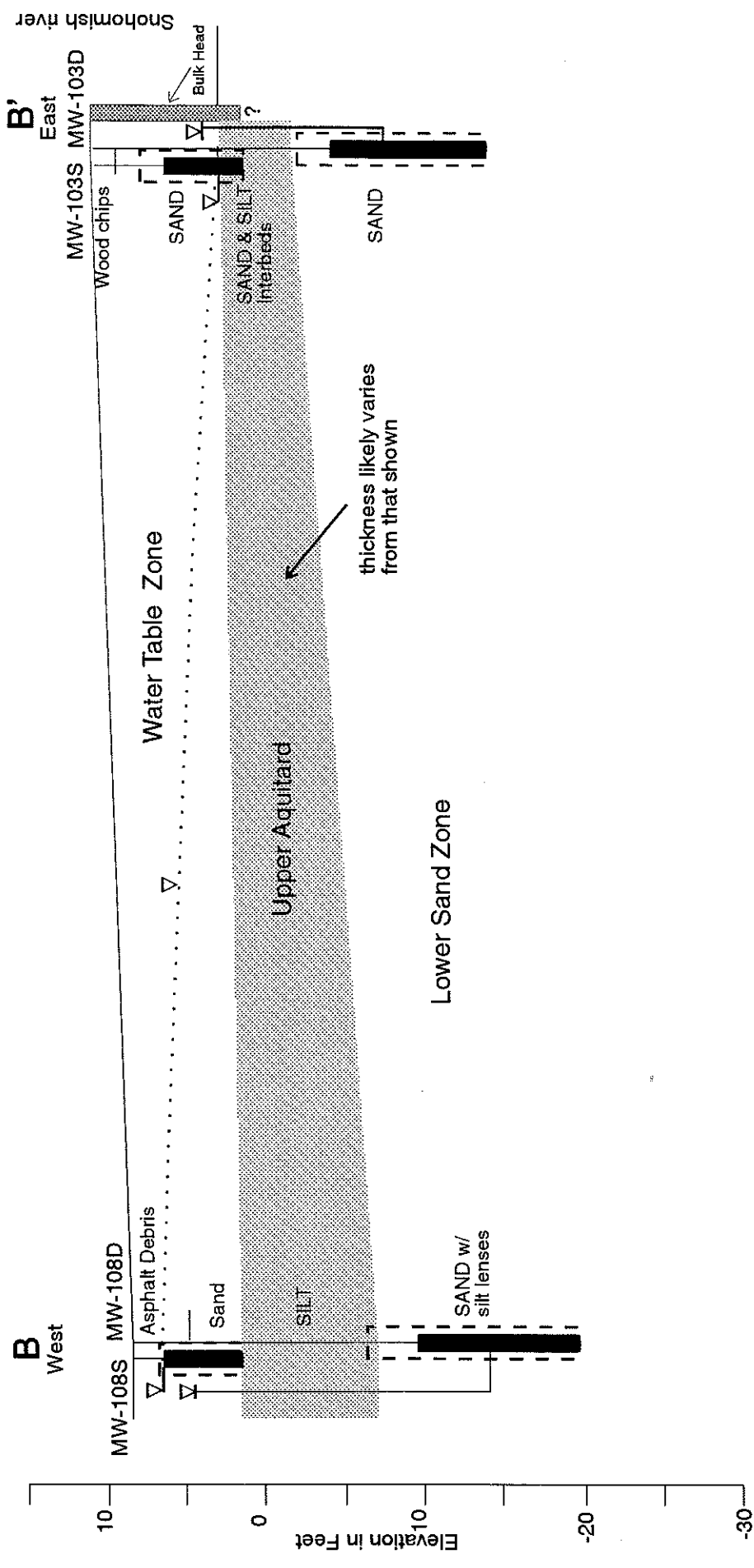




Weyerhaeuser East Site
Everett, Washington

Geologic Section A-A'

Based on Figure 2-4 (EMCON 1995a)



Weyerhaeuser East Site
Everett, Washington

GEOLOGIC SECTION B-B'

TABLE 1 - SUMMARY OF WELL CONSTRUCTION DATA

Weyerhaeuser East Site
Everett, Washington

WELLS INSTALLED AS PART OF EAST SITE STUDIES

| Well Number | Area | Date Installed | Spl. Depth (feet-bgs) | Ground Elev. (feet) | Stickup (feet) | Filter Pack Interval (feet) | Screen Interval (feet) | Elev. Top PVC Casing (feet) |
|--------------------------|------|----------------|-----------------------|---------------------|----------------|-----------------------------|------------------------|-----------------------------|
| Water Table Wells | | | | | | | | |
| MW-100S(b) | 8 | 12-21-92 | 11.5 | 9.5 | -0.3 | 3 - 11.5 | 5.5 - 10 | 9.21 |
| MW-101S(b) | 8 | 12-21-92 | 7.5 | 8.9 | -0.4 | 2 - 7.5 | 2.5 - 6.5 | 8.47 |
| MW-102S | 8 | 12-22-92 | 7.0 | 9 | 2.5 | 2.5 - 7.5 | 3.5 - 6.75 | 11.49 |
| MW-103S | 8 | 12-22-92 | 9.5 | 11 | 3.0 | 3 - 9.5 | 4.5 - 8.75 | 14.01 |
| MW-104S | 7 | 12-23-92 | 11.5 | 12 | 2.8 | 4 - 11.5 | 5.5 - 10.5 | 14.83 |
| MW-105S | 7 | 12-23-92 | 7.5 | 9.4 | 2.4 | 2 - 7.5 | 3.5 - 7.5 | 11.81 |
| MW-106S | 7 | 12-28-92 | 6.5 | 8.8 | -0.1 | 2.0 - 6.5 | 2.5 - 6.5 | 8.66 |
| MW-107S(a) | 9 | 12-28-92 | 6.0 | 7.9 | 2.7 | 2 - 6 | 2.5 - 6 | 10.64 |
| MW-107S(2)(b) | 9 | 10-28-94 | 10.5 | 7.9 | -0.2 | 2.5 - 10.5 | 3 - 10 | 7.74 |
| MW-108S | 10 | 12-28-92 | 7.0 | 8.4 | 2.8 | 1.75 - 7 | 2 - 7 | 11.15 |
| MW-109S | 10 | 12-31-92 | 11.0 | 11.5 | -0.1 | 3 - 11 | 5 - 11 | 11.36 |
| Lower Zone Wells | | | | | | | | |
| MW-100D(b) | 8 | 12-21-92 | 24.0 | 9.5 | -0.4 | 13 - 25 | 15.75 - 25 | 9.12 |
| MW-103D | 8 | 12-22-92 | 25.0 | 11 | 2.5 | 13 - 25 | 15 - 25 | 13.52 |
| MW-105D | 8 | 12-23-92 | 25.0 | 9.7 | 2.5 | 11.5 - 25 | 15 - 25 | 12.19 |
| MW-108D | 10 | 12-28-92 | 21.5 | 8.5 | 2.4 | 15 - 28 | 18 - 28 | 10.88 |

WELLS LOCATED ON EAST SITE INSTALLED AS PART OF MILL E STUDIES

| Well Number | Area | Date Installed | Spl. Depth (feet-bgs) | Ground Elev. (feet) | Stickup (feet) | Filter Pack Interval (feet) | Screen Interval (feet) | Elev. Top PVC Casing (feet) |
|--------------------------|------|----------------|-----------------------|---------------------|----------------|-----------------------------|------------------------|-----------------------------|
| Water Table Wells | | | | | | | | |
| HC-4 | 3 | 6-15-89 | 6.5 | 7.6 | 2.8 | 1.5 - 6.5 | 1.5 - 5.5 | 10.43 |
| HC-11 | 3 | 6-16-89 | 6.0 | 6.6 | 2.5 | 1.0 - 6 | 2 - 6 | 9.08 |
| HC-17 | 3 | 7-28-89 | 8.0 | 7.4 | 2.6 | 1.5 - 8 | 2.5 - 7 | 10.00 |
| HC-18(b) | 8 | ---- | ---- | 7.9 | -0.4 | ---- | ---- | 7.54 |
| HC-20 | 5/8 | 7-28-89 | 9.5 | 7.8 | -0.3 | 3 - 9.5 | 4 - 9 | 7.50 |
| HC-24 | 3 | 5-21-90 | 9.0 | na | 2.1 | 1.5 - 7.5 | 2 - 7 | na |
| HC-25 | 3 | 5-21-90 | 8.0 | na | 2 | 1.5 - 8 | 2 - 7 | na |
| HC-26 | 5 | 5-21-90 | 8.0 | na | 2.1 | 1.5 - 8 | 2 - 7 | na |
| MW-35 | 3/5 | 7-29-92 | 8.0 | ---- | ---- | 1.5 - 7 | 2 - 7 | 6.58 |
| Lower Zone Wells | | | | | | | | |
| HC-11D | 3 | 6-16-89 | 29.0 | 6.6 | 2.6 | 15 - 24 | 17 - 27 | 9.23 |
| HC-11D2 | 3 | 7-21-92 | 76.5 | ---- | ---- | 58 - 73 | 62.5 - 73 | 8.84 |

- (a) - MW-107S was abandoned and replaced on 10-28-94
- (b) - Casing elevations changed and were resurveyed in February 1995.

TABLE 2 - Summary of Ground-Water Zones

| Ground-Water Zone | Geologic Unit | Thickness (feet) | Description |
|-------------------|----------------------------|-------------------------|--|
| Water Table Zone | Grade Fill/Mixed Fill Unit | 1 to 4 | Sandy gravel, asphalt, crushed rock, wood debris and bark |
| | Upper Sand | 1 to 10 (5 to 6 avg.) | fine to medium, to fine to coarse SAND w/ trace coarse gravel |
| Upper Aquitard | Upper Silt Unit | 4 to 10 (7 avg.) (a) | Clayey SILT to silty CLAY w/ lenses of fine sand (<1'thick) and wood fragments and rootlets in upper portion |
| Lower Sand Zone | Lower Sand Unit | 52 to 63(b) | Fine to coarse SAND w/ trace gravel and wood debris and thin silt lenses. |
| Lower Aquitard | Lower Silt | +2(c) | Silty CLAY to clayey SILT w/ wood debris (MW-11D2) |
| | | 3(c) | Sandy SILT (MW-23D2) |
| Deep Sand Zone | Deep Sand | +32(c) | Fine to medium SAND (MW-23D2) |

(a) - Based on the logs of wells MW-100D, 103D, 105D, and 108D.

(b) - Based on the logs of wells MW-11D2 and MW-24D2 located on Mill E.

(c) - Based on log of well MW-23D2 drilled to a depth of 99 feet on Mill E.

TABLE 3 - SUMMARY OF WATER LEVEL DATA

| Well Number | Area | Stickup (feet) | Elev. Top PVC Casing (feet) | 1-20-93 | | 5-10-93 | | 10-27-93 | | | | | |
|--------------------------|------|----------------|-----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | | | DTW-MP(feet) | Elev. (feet) | DTW-MP(feet) | Elev. (feet) | DTW-MP(feet) | Elev. (feet) | DTW-MP(feet) | Elev. (feet) | DTW-MP(feet) | Elev. (feet) |
| Water Table Wells | | | | | | | | | | | | | |
| MW-100S(c) | 8 | 2.2 | 11.91 | 7.73 | 4.18 | 5.5 | 7.64 | 4.27 | 5.4 | 9.20 | 2.71 | 7.0 | |
| MW-101S(c) | 8 | 3.0 | 11.97 | 7.71 | 4.26 | 4.7 | 7.54 | 4.43 | 4.6 | 8.50 | 3.47 | 5.5 | |
| MW-102S | 8 | 2.5 | 11.49 | 7.99 | 3.50 | 5.5 | 7.61 | 3.88 | 5.1 | dry | dry | dry | |
| MW-103S | 8 | 3.0 | 14.01 | 11.05 | 2.96 | 8.0 | 10.92 | 3.09 | 7.9 | dry | dry | dry | |
| MW-104S | 7 | 2.8 | 14.83 | 11.37 | 3.46 | 8.5 | 11.30 | 3.53 | 8.5 | 12.43 | 2.4 | 9.6 | |
| MW-105S | 7 | 2.4 | 11.81 | 8.08 | 3.73 | 5.7 | 8.00 | 3.81 | 5.6 | 9.25 | 2.56 | 6.8 | |
| MW-106S | 7 | -0.1 | 8.66 | 3.25 | 5.41 | 3.4 | 3.05 | 5.61 | 3.2 | 3.75 | 4.91 | 3.9 | |
| MW-107S(a) | 9 | 2.7 | 10.64 | 3.82 | 6.82 | 1.1 | 3.81 | 6.83 | 1.1 | 4.52 | 6.12 | 1.8 | |
| MW-107S(2)(c) | 9 | -0.2 | 7.74 | na | na | na | na | na | na | na | na | na | |
| MW-108S | 10 | 2.8 | 11.15 | 4.63 | 6.52 | 1.9 | 4.67 | 6.48 | 1.9 | 5.14 | 6.01 | 2.4 | |
| MW-109S | 10 | -0.1 | 11.36 | 4.97 | 6.39 | 5.1 | 5.11 | 6.25 | 5.3 | 5.44 | 5.92 | 5.6 | |
| Lower Zone Wells | | | | | | | | | | | | | |
| MW-100D(c) | 8 | 2.5 | 12.14 | 8.19 | 3.95 | 5.7 | 8.28 | 3.86 | 5.7 | 11.68 | 0.46 | 9.1 | |
| MW-103D | 8 | 2.5 | 13.52 | 9.64 | 3.88 | 7.1 | 13.27 | 0.25 | 10.8 | 14.12 | -0.6 | 11.6 | |
| MW-105D | 8 | 2.5 | 12.19 | 8.44 | 3.75 | 6.0 | 13.93 | -1.74 | 11.4 | 12.96 | -0.77 | 10.5 | |
| MW-108D | 10 | 2.4 | 10.88 | 6.35 | 4.53 | 4.0 | 7.58 | 3.30 | 5.2 | 9.16 | 1.72 | 6.8 | |

(a) - MW-107S was abandoned and replaced on 10-28-94

(b) - MW-109S was measured on 2-14-95

(c) - Casing elevations changed and were resurveyed in February 1995 (see Table 1)

na - not available

DTW-MP - Depth to Water below Measuring Point (Top of PVC Casing)

DTW-GR - Depth to Water below Ground Level

TABLE 3 - SUMMARY OF WATER LEVEL DATA

Weyerhaeuser East Site
Everett, Washington

| Well Number | Area | Stickup | | 2-15-94 | | | 9-20-94 | | | 1-31-95(b) | | |
|--------------------------|------|---------|-----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | (feet) | Elev. Top PVC Casing (feet) | DTW-MP(feet) | Elev. (feet) | DTW-GR(feet) | DTW-MP(feet) | Elev. (feet) | DTW-GR(feet) | DTW-MP(feet) | Elev. (feet) | DTW-GR(feet) |
| Water Table Wells | | | | | | | | | | | | |
| MW-100S(c) | 8 | 2.2 | 11.91 | 7.90 | 4.01 | 5.7 | 9.12 | 2.79 | 6.9 | 4.43 | 7.48 | 2.2 |
| MW-101S(c) | 8 | 3.0 | 11.97 | 7.77 | 4.2 | 4.8 | 8.65 | 3.32 | 5.7 | 3.71 | 8.26 | 0.7 |
| MW-102S | 8 | 2.5 | 11.49 | 8.05 | 3.44 | 5.6 | dry | dry | dry | 7.36 | 4.13 | 4.9 |
| MW-103S | 8 | 3.0 | 14.01 | 11.26 | 2.75 | 8.3 | dry | dry | dry | 9.80 | 4.21 | 6.8 |
| MW-104S | 7 | 2.8 | 14.83 | 11.47 | 3.36 | 8.6 | 12.51 | 2.32 | 9.7 | 10.56 | 4.27 | 7.7 |
| MW-105S | 7 | 2.4 | 11.81 | 8.22 | 3.59 | 5.8 | 9.37 | 2.44 | 7.0 | 7.12 | 4.69 | 4.7 |
| MW-106S | 7 | -0.1 | 8.66 | 3.20 | 5.46 | 3.3 | 3.89 | 4.77 | 4.0 | 2.49 | 6.17 | 2.6 |
| MW-107S(a) | 9 | 2.7 | 10.64 | 3.99 | 6.65 | 1.3 | 5.88 | 4.76 | 3.1 | na | na | na |
| MW-107S(2)(c) | 9 | -0.2 | 7.74 | na | na | na | na | na | na | 0.46 | 7.28 | 0.7 |
| MW-108S | 10 | 2.8 | 11.15 | 4.89 | 6.26 | 2.1 | 6.69 | 4.46 | 3.9 | 4.69 | 6.46 | 1.9 |
| MW-109S | 10 | -0.1 | 11.36 | 5.65 | 5.71 | 5.8 | 7.21 | 4.15 | 7.4 | 5.73 | 5.63 | 5.9 |
| Lower Zone Wells | | | | | | | | | | | | |
| MW-100D(c) | 8 | 2.5 | 12.14 | 7.62 | 4.52 | 5.1 | 11.69 | 0.45 | 9.2 | 6.76 | 5.38 | 4.2 |
| MW-103D | 8 | 2.5 | 13.52 | 11.02 | 2.5 | 8.5 | 15.48 | -1.96 | 13.0 | 11.35 | 2.17 | 8.8 |
| MW-105D | 8 | 2.5 | 12.19 | 11.83 | 0.36 | 9.3 | 10.47 | 1.72 | 8.0 | 10.11 | 2.08 | 7.6 |
| MW-108D | 10 | 2.4 | 10.88 | 8.93 | 1.95 | 6.6 | 9.13 | 1.75 | 6.8 | 7.21 | 3.67 | 4.8 |

(a) - MW-107S was abandoned and replaced on 10-28-

(b) - MW-109S was measured on 2-14-95

(c) - Casing elevations changed and were resurveyed in na - not available

DTW-MP - Depth to Water below Measuring Point (To

DTW-GR - Depth to Water below Ground Level

TABLE 4 - Summary of East Site Soil Data (Key to Table on Page 13 of 13)

Weyerhaeuser East Site
Everett, Washington

| Spl. No. | A3-01 | A3-02A | A3-02B | A3-02C | A3-03A | A3-03B | A3-03C | A3-03D | A3-04 | A3-05 | A3-06 | A3-07A | A3-07B | A3-08 | A3-09 | A3-09b | A3-10d | A3-11 | A3-12 | A3-13 |
|---------------------------------------|---------|---------|---------|---------|----------|----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|---------|----------|-------|
| Depth | 0.8-1.5 | 0.5-1.8 | 1.5-1.9 | 0.5-1.9 | 0.5-1.3 | 0.8-2.0 | 0.7-1.3 | 0.8-1.7 | 0.7-1.9 | 1.0-2.9 | 0.8-1.3 | 0.7-2.5 | 0.5-2.1 | 0.5-2.1 | 2.8-3.5 | na | 0.3-2.1 | 0.7-3.1 | 0.6-1.8 | na |
| Source | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON |
| Parameter/Area | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Petroleum Hydrocarbons (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| HCID | --- | Y | Y | Y | N | N | N | N | --- | Y | Y | Y(ND) | Y(ND) | Y | Y | Y | Y | Y | N | Y(ND) |
| WTPH-G | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WTPH-DX | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Diesel Range | --- | 7 | 1 | 6 | --- | --- | --- | --- | --- | 340 | 3U | --- | --- | 3 | 19 | 500 | 3 | 3U | --- | --- |
| Heavy Oil | --- | 40 | 15 | 51 | --- | --- | --- | --- | --- | 3U | 11 | --- | --- | 16 | 210 | 0 | 34 | 24 | --- | --- |
| EPA 418.1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Type | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PCBs/Pesticides (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| beta-BHC | --- | 0.0019U | 0.0019U | 0.002U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0018U | --- |
| Aldrin | --- | 0.0019U | 0.0019U | 0.002U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0018U | --- |
| 4,4'-DDE | --- | 0.0037U | 0.0039U | 0.004U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0035U | --- |
| Endrin | --- | 0.0037U | 0.0039U | 0.004U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0035U | --- |
| Endosulfan II | --- | 0.0037U | 0.0039U | 0.004U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0045P | --- |
| 4,4'-DDD | --- | 0.0037U | 0.0039U | 0.004U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0013JP | --- |
| 4,4'-DDT | --- | 0.0037U | 0.0039U | 0.004U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0035U | --- |
| Methoxychlor | --- | 0.019U | 0.0019U | 0.02U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.018U | --- |
| Endrin-aldehyde | --- | 0.0037U | 0.0039U | 0.004U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0074 | --- |
| alpha-Chlordane | --- | 0.019U | 0.002U | 0.002U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0018U | --- |
| gamma-Chlordane | --- | 0.019U | 0.0019U | 0.002U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0018U | --- |
| Aroclor-1016 | --- | 0.036U | 0.038U | 0.039U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.034U | --- |
| Aroclor-1242 | --- | 0.036U | 0.038U | 0.039U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.034U | --- |
| Aroclor-1254 | --- | 0.036U | 0.038U | 0.039U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.034U | --- |
| Aroclor-1260 | --- | 0.036U | 0.038U | 0.033J | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.14 | --- |
| Phenols (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| 2,3,5,6-Tetrachlorophen | --- | --- | --- | --- | 0.00031U | 0.00027U | 0.00031U | 0.027U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2,3,4,6-Tetrachlorophen | --- | --- | --- | --- | 0.061 | 0.044 | 0.041 | 4.8E | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2,3,4,5-Tetrachlorophen | --- | --- | --- | --- | 0.0116P | 0.00027U | 0.0029 | 0.37P | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Pentachlorophenol | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| by GC/MS | --- | 0.79U | 0.78U | 0.79U | --- | --- | --- | --- | --- | 1.8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| by GC-ECD | --- | --- | --- | --- | 0.0361 | 0.0126 | 0.0042 | 7.7E | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Volatiles (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| Acetone | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1.5U | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.01U |
| 2-Butanone | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1.7B | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.01U |
| Total Xylenes | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1.5U | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.01U |
| Semivolatiles (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| 4-Methylphenol | --- | 0.33U | 0.32U | 0.32U | --- | --- | --- | --- | --- | 0.32U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1,2,4-Trichlorobenzene | --- | 0.33U | 0.32U | 0.32U | --- | --- | --- | --- | --- | 0.32U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Naphthalene | --- | 0.33U | 0.32U | 0.32U | --- | --- | --- | --- | --- | 0.32U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2-Methylnaphthalene | --- | 0.33U | 0.32U | 0.32U | --- | --- | --- | --- | --- | 0.038J | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Acenaphthylene | --- | 0.33U | 0.32U | 0.32U | --- | --- | --- | --- | --- | 0.32U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Acenaphthene | --- | 0.33U | 0.32U | 0.32U | --- | --- | --- | --- | --- | 0.32U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Dibenzofuran | --- | 0.33U | 0.32U | 0.32U | --- | --- | --- | --- | --- | 0.32U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fluorene | --- | 0.33U | 0.32U | 0.32U | --- | --- | --- | --- | --- | 0.32U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4-Nitroaniline | --- | 0.79U | 0.78U | 0.79U | --- | --- | --- | --- | --- | 0.78U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Phenanthrene | --- | 0.14J | 0.24J | 0.089J | --- | --- | --- | --- | --- | 0.32U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Anthracene | --- | 0.33U | 0.046J | 0.32U | --- | --- | --- | --- | --- | 0.32U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Carbazole | --- | 0.33U | 0.042J | 0.32U | --- | --- | --- | --- | --- | 0.32U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fluoranthene | --- | 0.2J | 0.18J | 0.1J | --- | --- | --- | --- | --- | 0.32U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Pyrene | --- | 0.23J | 0.16J | 0.11J | --- | --- | --- | --- | --- | 0.32U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Benzo(a)anthracene | --- | 0.054J | 0.076J | 0.033J | --- | --- | --- | --- | --- | 0.32U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Chrysene | --- | 0.076J | 0.085J | 0.044J | --- | --- | --- | --- | --- | 0.32U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| bis(2-Ethylhexyl) phthala | --- | 0.33U | 0.036BJ | 0.037BJ | --- | --- | --- | --- | --- | 0.032J | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Benzo(b)fluoranthene | --- | 0.095J | 0.069J | 0.044J | --- | --- | --- | --- | --- | 0.32U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Benzo(k)fluoranthene | --- | 0.33U | 0.32U | 0.32U | --- | --- | --- | --- | --- | 0.32U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Benzo(a)pyrene | --- | 0.044J | 0.033J | 0.32U | --- | --- | --- | --- | --- | 0.32U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Indeno(1,2,3-cd)pyrene | --- | 0.33U | 0.32U | 0.32U | --- | --- | --- | --- | --- | 0.32U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Dibenzo(a,h)-anthracene | --- | 0.33U | 0.32U | 0.32U | --- | --- | --- | --- | --- | 0.32U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Benzo(g,h,i) perylene | --- | 0.33U | 0.32U | 0.32U | --- | --- | --- | --- | --- | 0.32U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Metals (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| Arsenic | 5.8 | --- | --- | --- | --- | --- | --- | --- | 5.3 | 20 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

TABLE 4 - Summary of East Site Soil Data (Key to Table on Page 13 of 13)

| Spl. No. | SEF-1 | SEF-2 | SEF-3 | SEF-4 | SEF-5 | SEF-6 | SEF-7 | SEF-8 | SEF-9 | SEF-10 | SEF-11 | SEF-12 | SEF-13 | SEF-14 | SEF-15 | SEF-16 | SEF-17 | SEF-18 | SEF-19 | SEF-20 |
|--------------------------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Depth | na | 1.1-2.2 | 1.6-2.8 | 1.2-2.7 | 1.2-3.0 | 0.2-2.8 | 1.7-3.6 | 1.0-2.4 | 1.0-2.8 | 1.0-2.8 | 0.5-2.8 | 1.3-3.1 | 0.5-1.8 | 0.6-3.7 | 0.9-2.5 | 1.1-2.6 | 1.2-2.1 | 1.3-3.3 | 1.0-3.0 | 1.2-2.7 |
| Source | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON |
| Parameter/Area | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Petroleum Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| HCID | Y(ND) | Y(ND) | Y(ND) | Y(ND) | Y | Y | Y | Y(ND) | Y(ND) | Y(ND) | Y | Y(ND) | Y(ND) | Y(ND) | Y(ND) | Y | Y(ND) | Y(ND) | Y | Y |
| WTPH-G | --- | --- | --- | --- | 1140 | --- | --- | --- | --- | --- | 21 | --- | --- | --- | --- | 18 | --- | --- | --- | --- |
| WTPH-DX | | | | | | | | | | | | | | | | | | | | |
| Diesel Range | --- | --- | --- | --- | 56 | 30 | 165 | --- | --- | --- | 543 | --- | --- | --- | --- | 768 | --- | --- | <25 | <25 |
| Heavy Oil | --- | --- | --- | --- | 150 | <100 | 450 | --- | --- | --- | 1090 | --- | --- | --- | --- | 490 | --- | --- | <100 | <100 |
| EPA 418.1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Type | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PCBs/Pesticides (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| beta-BHC | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Aldrin | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4,4'-DDE | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Endrin | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Endosulfan II | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4,4'-DDD | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4,4'-DDT | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Methoxychlor | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Endrin-aldehyde | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| alpha-Chlordane | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| gamma-Chlordane | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Aroclor-1016 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Aroclor-1242 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Aroclor-1254 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Aroclor-1260 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Phenols (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| 2,3,5,6-Tetrachlorophen | nd | nd | nd | nd | nd | nd | nd | nd | --- | --- | --- | --- | --- | --- | --- | nd | --- | --- | --- | --- |
| 2,3,4,6-Tetrachlorophen | nd | nd | nd | nd | nd | nd | nd | nd | --- | --- | --- | --- | --- | --- | --- | nd | --- | --- | --- | --- |
| 2,3,4,5-Tetrachlorophen | nd | nd | nd | nd | nd | nd | nd | nd | --- | --- | --- | --- | --- | --- | --- | nd | --- | --- | --- | --- |
| Pentachlorophenol | nd | nd | nd | nd | nd | nd | nd | nd | --- | --- | --- | --- | --- | --- | --- | nd | --- | --- | --- | --- |
| by GC/MS | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 20U | --- | --- | --- | --- |
| by GC-ECD | 2U | 2U | 2U | 2U | 2U | 2U | 2U | 2U | --- | --- | --- | --- | --- | --- | --- | 20U | --- | --- | --- | --- |
| Volatiles (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| Acetone | 0.01U | 0.01U | 0.01U | 0.12U | 260U | 0.01U | 0.01U | 0.01U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.1U |
| 2-Butanone | 0.01U | 0.01U | 0.01U | 0.01U | 0.01U | 0.01U | 0.01U | 0.01U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.1U |
| Total Xylenes | 0.005U | 0.005U | 0.005U | 0.011 | 0.005U | 0.011 | 0.005U | 0.005U | --- | --- | 0.2 | --- | --- | --- | --- | <0.1 | --- | --- | --- | 0.005U |
| Semivolatiles (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| 4-Methylphenol | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1,2,4-Trichlorobenzene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Naphthalene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.2 | --- | --- | --- | --- |
| 2-Methylnaphthalene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Acenaphthylene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3.1 | --- | --- | --- | --- |
| Acenaphthene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3.9 | --- | --- | --- | --- |
| Dibenzofuran | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fluorene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 19.4 | --- | --- | --- | --- |
| 4-Nitroaniline | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Phenanthrene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 128 | --- | --- | --- | --- |
| Anthracene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 14 | --- | --- | --- | --- |
| Carbazole | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fluoranthene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 102 | --- | --- | --- | --- |
| Pyrene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 77 | --- | --- | --- | --- |
| Benzo(a)anthracene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 21.7 | --- | --- | --- | --- |
| Chrysene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 17.4 | --- | --- | --- | --- |
| bis(2-Ethylhexyl) phthala | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Benzo(b)fluoranthene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 35.1 | --- | --- | --- | --- |
| Benzo(k)fluoranthene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 35.1 | --- | --- | --- | --- |
| Benzo(a)pyrene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 38.3 | --- | --- | --- | --- |
| Indeno(1,2,3-cd)pyrene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 7.3 | --- | --- | --- | --- |
| Dibenzo(a,h)-anthracene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 7.3 | --- | --- | --- | --- |
| Benzo(g,h,i) perylene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 9.5 | --- | --- | --- | --- |
| Metals (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| Arsenic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

TABLE 4 - Summary of East Site Soil Data (Key to Table on Page 13 of 13)

| Spl. No. | SEF-21 | SEF-22 | B8/S1 | B8/S2 | B8/S3 | A4-01 | A4-02 | A4-03 | A4-04 | A4-05 | A4-06 | A5-01 | A5-02 | A5-03 | A5-04 | A5-05A | A5-05B | A5-06 | A5-07 | A5-08A | |
|--------------------------------|---------|---------|-------------|-------------|-------------|---------|----------|----------|---------|---------|----------|----------|---------|---------|---------|----------|----------|---------|---------|----------|-----|
| Depth | 1.2-2.9 | 1.2-3.2 | 0.5-2.0 | 2.5-4.0 | 5.0-6.5 | 1.5-2.5 | 1.5-3.0 | 1.1-2.5 | 0.4-2.3 | 1.4-2.8 | 1.9-3.1 | 0.8-1.5 | 0.8-2.5 | 1.8-2.5 | 0.4-1.9 | 1.3-3.9 | 4.2-5.2 | 1.5-3.3 | 1.4-3.5 | 0.5-1.8 | |
| Source | EMCON | EMCON | HartCrowser | HartCrowser | HartCrowser | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | |
| Parameter/Area | 3 | 3 | 3/10 | 3/10 | 3/10 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| Petroleum Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| HCID | Y(ND) | Y(ND) | 190(b) | 10U(a) | ND(b) | Y(ND) | Y(ND) | Y(ND) | Y | Y(ND) | Y(ND) | N | N | N | Y | Y(ND) | N | Y(ND) | Y(ND) | N | |
| WTPH-G | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| WTPH-DX | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| Diesel Range | 34 | --- | --- | --- | --- | --- | --- | --- | 31 | --- | --- | 3U | 130 | 43 | 26 | --- | --- | --- | --- | 8 | |
| Heavy Oil | 100U | --- | --- | --- | --- | --- | --- | --- | 250 | --- | --- | 96 | 1400 | 33 | 260 | --- | --- | --- | --- | 150 | |
| EPA 418.1 | --- | --- | --- | 110 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| Type | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| PCBs/Pesticides (mg/kg) | | | | | | | | | | | | | | | | | | | | | |
| beta-BHC | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0018U | |
| Aldrin | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0018U | |
| 4,4'-DDE | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0037U | |
| Endrin | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0037U | |
| Endosulfan II | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0037U | |
| 4,4'-DDD | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0037U | |
| 4,4'-DDT | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0037U | |
| Methoxychlor | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.018U | |
| Endrin aldehyde | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0037U | |
| alpha-Chlordane | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0019U | |
| gamma-Chlordane | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0018U | |
| Aroclor-1016 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.036U | |
| Aroclor-1242 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.036U | |
| Aroclor-1254 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.036U | |
| Aroclor-1260 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.036U | |
| Phenols (mg/kg) | | | | | | | | | | | | | | | | | | | | | |
| 2,3,5,6-Tetrachlorophen | --- | --- | --- | --- | --- | --- | 0.00039U | 0.00038U | --- | --- | 0.00038U | 0.00033U | 0.0033U | 0.0033U | --- | 0.00035U | 0.00049U | --- | --- | 0.00033U | |
| 2,3,4,6-Tetrachlorophen | --- | --- | --- | --- | --- | --- | 0.002 | 0.0022 | --- | --- | 0.00038U | 0.0083 | 0.0358 | 0.0033U | --- | 0.00035U | 0.00049U | --- | --- | 0.0072 | |
| 2,3,4,5-Tetrachlorophen | --- | --- | --- | --- | --- | --- | 0.00039U | 0.00038U | --- | --- | 0.00038U | 0.00033U | 0.0025P | 0.0033U | --- | 0.00035U | 0.00049U | --- | --- | 0.0069P | |
| Pentachlorophenol | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| by GC/MS | --- | --- | --- | 0.033UJ | --- | --- | 0.94U | 0.074J | 0.076J | --- | 0.076 | 1.0U | 0.41J | 1.2U | --- | 0.85U | 1.2U | --- | --- | --- | |
| by GC-ECD | --- | --- | --- | --- | --- | --- | 0.0109 | 0.0304 | --- | --- | 0.16 | 0.0358 | 0.241E | 0.0171P | --- | 0.00035U | 0.00049U | --- | --- | 0.0455E | |
| Volatiles (mg/kg) | | | | | | | | | | | | | | | | | | | | | |
| Acetone | --- | --- | --- | --- | --- | --- | nd | nd | 0.01U | 0.01U | --- | --- | --- | --- | --- | nd | --- | --- | --- | 0.01U | |
| 2-Butanone | --- | --- | --- | --- | --- | --- | nd | nd | 0.01U | 0.01U | --- | --- | --- | --- | --- | nd | --- | --- | --- | 0.01U | |
| Total Xylenes | --- | --- | --- | --- | --- | --- | nd | nd | 0.01U | 0.01U | --- | --- | --- | --- | --- | nd | --- | --- | --- | 0.01U | |
| Semivolatiles (mg/kg) | | | | | | | | | | | | | | | | | | | | | |
| 4-Methylphenol | --- | --- | --- | --- | --- | --- | 0.39U | 0.35U | --- | --- | 0.36U | 0.42U | 0.032J | 0.48U | --- | 0.35U | 0.48U | --- | --- | --- | |
| 1,2,4-Trichlorobenzene | --- | --- | --- | --- | --- | --- | 0.39U | 0.35U | --- | --- | 0.36U | 0.42U | 0.32U | 0.48U | --- | 0.35U | 0.48U | --- | --- | --- | |
| Naphthalene | --- | --- | --- | 0.0066UJ | --- | --- | 0.16J | 0.35U | --- | --- | 0.36U | 0.42U | 0.71 | 0.48U | --- | 0.35U | 0.48U | --- | --- | --- | |
| 2-Methylnaphthalene | --- | --- | --- | 0.0066UJ | --- | --- | 0.39U | 0.35U | --- | --- | 0.36U | 0.42U | 0.11J | 0.48U | --- | 0.35U | 0.48U | --- | --- | --- | |
| Acenaphthylene | --- | --- | --- | 0.0066UJ | --- | --- | 0.39U | 0.35U | --- | --- | 0.36U | 0.42U | 0.16J | 0.48U | --- | 0.35U | 0.48U | --- | --- | --- | |
| Acenaphthene | --- | --- | --- | 0.0098J | --- | --- | 0.39U | 0.35U | --- | --- | 0.36U | 0.42U | 0.04J | 0.48U | --- | 0.35U | 0.48U | --- | --- | --- | |
| Dibenzofuran | --- | --- | --- | --- | --- | --- | 0.39U | 0.35U | --- | --- | 0.36U | 0.42U | 0.061J | 0.48U | --- | 0.35U | 0.48U | --- | --- | --- | |
| Fluorene | --- | --- | --- | 0.0066UJ | --- | --- | 0.39U | 0.35U | --- | --- | 0.36U | 0.42U | 0.32U | 0.48U | --- | 0.35U | 0.48U | --- | --- | --- | |
| 4-Nitroaniline | --- | --- | --- | --- | --- | --- | 0.94U | 0.85U | --- | --- | 0.87U | 1.0U | 0.78U | 1.2U | --- | 0.85U | 1.2U | --- | --- | --- | |
| Phenanthrene | --- | --- | --- | 0.0066UJ | --- | --- | 0.08J | 0.35U | --- | --- | 0.049J | 0.61U | 0.41 | 0.16J | --- | 0.35U | 0.48U | --- | --- | --- | |
| Anthracene | --- | --- | --- | 0.0066UJ | --- | --- | 0.39U | 0.35U | --- | --- | 0.36U | 0.42U | 0.32U | 0.48U | --- | 0.35U | 0.48U | --- | --- | --- | |
| Carbazole | --- | --- | --- | --- | --- | --- | 0.39U | 0.35U | --- | --- | 0.36U | 0.42U | 0.32U | 0.48U | --- | 0.35U | 0.48U | --- | --- | --- | |
| Fluoranthene | --- | --- | --- | 0.0066UJ | --- | --- | 0.079J | 0.35U | --- | --- | 0.36U | 0.054J | 0.24J | 0.23J | --- | 0.35U | 0.48U | --- | --- | --- | |
| Pyrene | --- | --- | --- | 0.0066UJ | --- | --- | 0.13J | 0.35U | --- | --- | 0.36U | 0.097J | 0.54 | 0.36J | --- | 0.35U | 0.48U | --- | --- | --- | |
| Benzo(a)anthracene | --- | --- | --- | 0.0066UJ | --- | --- | 0.39U | 0.35U | --- | --- | 0.36U | 0.42U | 0.32U | 0.48U | --- | 0.35U | 0.48U | --- | --- | --- | |
| Chrysene | --- | --- | --- | 0.0066UJ | --- | --- | 0.39U | 0.35U | --- | --- | 0.36U | 0.42U | 0.32U | 0.48U | --- | 0.35U | 0.48U | --- | --- | --- | |
| bis(2-Ethylhexyl) phthala | --- | --- | --- | --- | --- | --- | 0.39U | 0.092J | --- | --- | 0.36U | 0.59 | 0.039J | 0.48U | --- | 0.074J | 0.063J | --- | --- | --- | |
| Benzo(b)fluoranthene | --- | --- | --- | 0.0066UJ | --- | --- | 0.39U | 0.35U | --- | --- | 0.36U | 0.42U | 0.32U | 0.48U | --- | 0.35U | 0.48U | --- | --- | --- | |
| Benzo(k)fluoranthene | --- | --- | --- | 0.0066UJ | --- | --- | 0.39U | 0.35U | --- | --- | 0.36U | 0.42U | 0.32U | 0.48U | --- | 0.35U | 0.48U | --- | --- | --- | |
| Benzo(a)pyrene | --- | --- | --- | 0.0066UJ | --- | --- | 0.39U | 0.35U | --- | --- | 0.36U | 0.42U | 0.32U | 0.48U | --- | 0.35U | 0.48U | --- | --- | --- | |
| Indeno(1,2,3-cd)pyrene | --- | --- | --- | 0.0066UJ | --- | --- | 0.39U | 0.35U | --- | --- | 0.36U | 0.42U | 0.32U | 0.48U | --- | 0.35U | 0.48U | --- | --- | --- | |
| Dibenzo(a,h)-anthracene | --- | --- | --- | 0.0066UJ | --- | --- | 0.39U | 0.35U | --- | --- | 0.36U | 0.42U | 0.32U | 0.48U | --- | 0.35U | 0.48U | --- | --- | --- | |
| Benzo(g,h,i) perylene | --- | --- | --- | 0.0066UJ | --- | --- | 0.39U | 0.35U | --- | --- | 0.36U | 0.42U | 0.32U | 0.48U | --- | 0.35U | 0.48U | --- | --- | --- | |
| Metals (mg/kg) | | | | | | | | | | | | | | | | | | | | | |
| Arsenic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

TABLE 4 - Summary of East Site Soil Data (Key to Table on Page 13 of 13)

| Spl. No. | A5-08B | A5-09 | A5-10 | A5-11 | A5-12 | A5-13 | B6/S1 | B6/S2 | B6/S3 | B17/S1 | B17/S2 | B17/S3 | MW-106A | MW-106B | A6-01 | A6-02 | A6-03A | A6-03B | A6-05 | A6-07 | |
|--------------------------------|-----------|---------|----------|----------|----------|----------|--------------|--------------|--------------|--------------|--------------|--------------|---------|---------|----------|----------|---------|---------|----------|---------|-----|
| Depth | 0.9-2.0 | 1.4-3.5 | 1.5-2.3 | 0.3-1.4 | 0.3-1.8 | 2.0-2.7 | 0.5-2.0 | 2.5-4.0 | 5.0-6.5 | 0.5-2.0 | 2.4-4.0 | 5.0-6.5 | 0.5-2.0 | 2.0-3.5 | 0.5-1.5 | 0.3-0.8 | 0.4-2.4 | 3.1-4.0 | 2.0-4.0 | 2.8-4.1 | |
| Source | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | Hart-Crowser | Hart-Crowser | Hart-Crowser | Hart-Crowser | Hart-Crowser | Hart-Crowser | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | |
| Parameter/Area | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | |
| Petroleum Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| HCID | N | Y(ND) | N | N | N | N | 60(a) | ND(b) | ND(b) | ND(b) | ND(b) | ND(b) | Y | Y(ND) | N | N | Y | Y | Y | N | |
| WTPH-G | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| WTPH-DX | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| Diesel Range | 8 | --- | 3U | 120 | 3U | 3U | --- | --- | --- | --- | --- | --- | 58 | --- | 69 | 15 | 39 | 790 | 55 | 3U | |
| Heavy Oil | 55 | --- | 3U | 370 | 15 | 3U | --- | --- | --- | --- | --- | --- | 390 | --- | 410 | 100 | 170 | 770 | 340 | 15 | |
| EPA 418.1 | --- | --- | --- | --- | --- | --- | 290 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| Type | --- | --- | --- | --- | --- | --- | oil | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| PCBs/Pesticides (mg/kg) | | | | | | | | | | | | | | | | | | | | | |
| beta-BHC | --- | 0.0018U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0021U | 0.02U | 0.002U | --- | 0.002U | --- | |
| Aldrin | --- | 0.0018U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0021U | 0.02U | 0.002U | --- | 0.002U | --- | |
| 4,4'-DDE | --- | 0.0037U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0042U | 0.0088JP | 0.004U | --- | 0.0039U | --- | |
| Endrin | --- | 0.0037U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0042U | 0.04U | 0.004U | --- | 0.0039U | --- | |
| Endosulfan II | --- | 0.0037U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0042U | 0.04U | 0.004U | --- | 0.0048P | --- | |
| 4,4'-DDD | --- | 0.0037U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0042U | 0.04U | 0.004U | --- | 0.0039U | --- | |
| 4,4'-DDT | --- | 0.0037U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0042U | 0.04U | 0.004U | --- | 0.0039U | --- | |
| Methoxychlor | --- | 0.018U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.021U | 0.2U | 0.02U | --- | 0.02U | --- | |
| Endrin-aldehyde | --- | 0.0037U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0042U | 0.04U | 0.004U | --- | 0.0092 | --- | |
| alpha-Chlordane | --- | 0.0019U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0021U | 0.02U | 0.002U | --- | 0.0004JP | --- | |
| gamma-Chlordane | --- | 0.0018U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0021U | 0.02U | 0.002U | --- | 0.002U | --- | |
| Aroclor-1016 | --- | 0.036U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.041U | 0.39U | 0.039U | --- | 0.038U | --- | |
| Aroclor-1242 | --- | 0.036U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.041U | 0.39U | 0.039U | --- | 0.038U | --- | |
| Aroclor-1254 | --- | 0.036U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.041U | 0.51 | 0.039U | --- | 0.038U | --- | |
| Aroclor-1260 | --- | 0.036U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.041U | 0.39U | 0.039U | --- | 0.17 | --- | |
| Phenols (mg/kg) | | | | | | | | | | | | | | | | | | | | | |
| 2,3,5,6-Tetrachlorophen | 0.00033U | nd | 0.00033U | 0.00033U | 0.00033U | 0.00033U | --- | --- | --- | --- | --- | --- | --- | --- | 0.00033U | --- | --- | 0.0004U | --- | --- | |
| 2,3,4,6-Tetrachlorophen | 0.0048 | nd | 0.00033U | 0.0027 | 0.00033U | 0.00033U | --- | --- | --- | --- | --- | --- | --- | --- | 0.0072 | --- | --- | 0.0099 | --- | --- | |
| 2,3,4,5-Tetrachlorophen | 0.00015JP | nd | 0.00033U | 0.0388P | 0.00033U | 0.00033U | --- | --- | --- | --- | --- | --- | --- | --- | 0.004P | --- | --- | 0.0004U | --- | --- | |
| Pentachlorophenol | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| by GC/MS | --- | 0.86U | nd | --- | --- | 0.77U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.96U | --- | --- | |
| by GC-ECD | 0.0394 | nd | 0.0102 | 0.0638E | 0.0136 | 0.00033U | 0.96J | ND(b) | ND(b) | ND(b) | ND(b) | 0.072J | --- | --- | 0.0693 | --- | --- | 0.056E | --- | --- | |
| Volatiles (mg/kg) | | | | | | | | | | | | | | | | | | | | | |
| Acetone | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| 2-Butanone | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| Total Xylenes | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| Semivolatiles (mg/kg) | | | | | | | | | | | | | | | | | | | | | |
| 4-Methylphenol | --- | 0.36U | 0.31U | --- | --- | 0.32U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.39U | --- | |
| 1,2,4-Trichlorobenzene | --- | 0.36U | 0.31U | --- | --- | 0.32U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.39U | --- | |
| Naphthalene | --- | 0.36U | 0.31U | --- | --- | 0.32U | 0.190J | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.39U | --- | |
| 2-Methylnaphthalene | --- | 0.36U | 0.31U | --- | --- | 0.32U | 0.031J | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.25J | --- | |
| Acenaphthylene | --- | 0.36U | 0.31U | --- | --- | 0.32U | 0.041J | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.39U | --- | |
| Acenaphthene | --- | 0.36U | 0.31U | --- | --- | 0.32U | 0.0077UJ | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.086J | --- | |
| Dibenzofuran | --- | 0.36U | 0.31U | --- | --- | 0.32U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.39U | --- | |
| Fluorene | --- | 0.36U | 0.31U | --- | --- | 0.32U | 0.0077UJ | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.24J | --- | |
| 4-Nitroaniline | --- | 0.86U | 0.76U | --- | --- | 0.77U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.96U | --- | |
| Phenanthrene | --- | 0.36U | 0.31U | --- | --- | 0.32U | 0.23J | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.39J | --- | |
| Anthracene | --- | 0.36U | 0.31U | --- | --- | 0.32U | 0.024J | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.39U | --- | |
| Carbazole | --- | 0.36U | 0.31U | --- | --- | 0.32U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.39U | --- | |
| Fluoranthene | --- | 0.36U | 0.31U | --- | --- | 0.32U | 0.350J | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.39U | --- | |
| Pyrene | --- | 0.36U | 0.31U | --- | --- | 0.32U | 0.330J | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.39U | --- | |
| Benzo(a)anthracene | --- | 0.36U | 0.31U | --- | --- | 0.32U | 0.048J | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.39U | --- | |
| Chrysene | --- | 0.36U | 0.31U | --- | --- | 0.32U | 0.072J | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.39U | --- | |
| bis(2-Ethylhexyl) phthala | --- | 0.36U | 0.23JB | --- | --- | 0.32U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.39U | --- | |
| Benzo(b)fluoranthene | --- | 0.36U | 0.31U | --- | --- | 0.32U | 0.0077UJ | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.39U | --- | |
| Benzo(k)fluoranthene | --- | 0.36U | 0.31U | --- | --- | 0.32U | 0.0077UJ | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.39U | --- | |
| Benzo(a)pyrene | --- | 0.36U | 0.31U | --- | --- | 0.32U | 0.0077UJ | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.39U | --- | |
| Indeno(1,2,3-cd)pyrene | --- | 0.36U | 0.31U | --- | --- | 0.32U | 0.0077UJ | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.39U | --- | |
| Dibenzo(a,h)-anthracene | --- | 0.36U | 0.31U | --- | --- | 0.32U | 0.0077UJ | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.39U | --- | |
| Benzo(g,h,i) perylene | --- | 0.36U | 0.31U | --- | --- | 0.32U | 0.0077UJ | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.39U | --- | |
| Metals (mg/kg) | | | | | | | | | | | | | | | | | | | | | |
| Arsenic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

TABLE 4 - Summary of East Site Soil Data (Key to Table on Page 13 of 13)

| Spl. No. | A6-08 | A6-09 | A6-10 | TP1/S1 | TP2/S2 | TP3/S3 | TP4/S4 | TP5/S1 | TP6/S1 | TP7/S1 | TP8/S1 | TP9/S1 | TP96/S1 | TP96/S2 | TP97/S1 | TP97B/S1 | TP97B/S2 | TP98/S1 | TP98/S2 | B7/S1 |
|--------------------------------|---------|---------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|----------|----------|---------|---------|-------------|
| Depth | 2.1-3.0 | 1.3-3.3 | 1.7-4.3 | 0.5 | 0.6 | 1.1 | 1.6 | 1.6 | 1.5 | 1.2 | 2.3 | 2.2 | 1.7 | 4 | na | na | na | na | na | 0.5-2.0 |
| Source | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | HartCrowser |
| Parameter/Area | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Petroleum Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| HClD | N | N | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | 80(a) |
| WTPH-G | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WTPH-DX | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Diesel Range | 3U | 17 | 110 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | --- |
| Heavy Oil | 54 | 60 | 730 | 24 | 140 | 3 | ND | <3 | <3 | 110 | 52 | 3 | 120 | 78 | 140 | 230 | 9 | 48 | 94 | --- |
| EPA 418.1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 250 |
| Type | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | oil |
| PCBs/Pesticides (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| beta-BHC | --- | --- | 0.0019U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Aldrin | --- | --- | 0.0019U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4,4'-DDE | --- | --- | 0.0023J | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Endrin | --- | --- | 0.0038U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Endosulfan II | --- | --- | 0.0038U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4,4'-DDD | --- | --- | 0.0038U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4,4'-DDT | --- | --- | 0.0038U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Methoxychlor | --- | --- | 0.019U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Endrin aldehyde | --- | --- | 0.0016JP | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| alpha Chlordane | --- | --- | 0.0023 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| gamma-Chlordane | --- | --- | 0.00041JP | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Aroclor-1016 | --- | --- | 0.037U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Aroclor-1242 | --- | --- | 0.037U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Aroclor-1254 | --- | --- | 0.15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Aroclor-1260 | --- | --- | 0.052 | 0.0061 | ND(T) | ND(T) | ND(T) | ND(T) | ND(T) | ND(T) | ND(T) | ND(T) | 0.0061 | --- | 0.571 | 0.381 | --- | ND | --- | --- |
| Phenols (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| 2,3,5,6-Tetrachlorophen | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2,3,4,6-Tetrachlorophen | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2,3,4,5-Tetrachlorophen | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Pentachlorophenol | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| by GC/MS | --- | --- | --- | 0.021 | 0.283 | ND | 0.0026 | ND | ND | 0.206 | 0.0011 | 0.0043 | 0.0008 | --- | 0.0031 | ND | --- | ND | --- | --- |
| by GC-ECD | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 4.6J |
| Volatiles (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| Acetone | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2-Butanone | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total Xylenes | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Semivolatiles (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| 4-Methylphenol | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1,2,4-Trichlorobenzene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Naphthalene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.290J |
| 2-Methylnaphthalene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.071J |
| Acenaphthylene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.049J |
| Acenaphthene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.053J |
| Dibenzofuran | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fluorene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.044J |
| 4-Nitroaniline | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Phenanthrene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.630J |
| Anthracene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.088J |
| Carbazole | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fluoranthene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.50J |
| Pyrene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.64J |
| Benzo(a)anthracene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.024J |
| Chrysene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.053J |
| bis(2-Ethylhexyl) phthala | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Benzo(b)fluoranthene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0079UJ |
| Benzo(k)fluoranthene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0079UJ |
| Benzo(a)pyrene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0079UJ |
| Indeno(1,2,3-cd)pyrene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0079UJ |
| Dibenzo(a,h)-anthracene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0079UJ |
| Benzo(g,h,i) perylene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0079UJ |
| Metals (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| Arsenic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

TABLE 4 - Summary of East Site Soil Data (Key to Table on Page 13 of 13)

| Spl. No. | B7/S2 | B7/S3 | B18/S1 | B18/S2 | B18/S3 | MW-104A | MW-105D | A7-01A | A7-01B | A7-02 | A7-04a | A7-04b | A7-05a | A7-05b | A7-06 | A7-07 | A7-08 | A7-09 | A7-11 | A7-12 |
|--------------------------------|-------------|-------------|-------------|-------------|-------------|---------|----------|----------|---------|---------|----------|---------|----------|---------|---------|----------|---------|---------|---------|---------|
| Depth | 2.5-4.0 | 5.0-6.5 | 0.5-2.0 | 2.4-4.0 | 5.0-6.5 | 2.5-4.0 | 0-1.5 | 1.8-2.4 | 0.5-1.5 | 1.0-2.0 | 2.8-3.5 | 3.2-3.5 | 2.5-3.0 | 3.2-3.9 | 3.4-4.3 | 1.8-3.2 | 1.8-2.0 | 1.0-2.0 | 3.0-5.0 | 2.8-3.2 |
| Source | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON |
| Parameter/Area | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Petroleum Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| HCID | 20(a) | ND(b) | 94(a) | ND(b) | ND(b) | Y | Y | N | Y(ND) | Y(ND) | N | N | N | N | Y | N | Y | N | Y(ND) | Y(ND) |
| WTPH-G | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WTPH-DX | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Diesel Range | --- | --- | --- | --- | --- | 151 | 33 | 19U | --- | --- | --- | --- | --- | --- | 420U | 3U | 431 | 19U | --- | --- |
| Heavy Oil | --- | --- | --- | --- | --- | 239 | 250 | 230 | --- | --- | --- | --- | --- | --- | 83000 | 140 | 620 | 600 | --- | --- |
| EPA 418.1 | 85 | --- | 290 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Type | --- | --- | oil | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PCBs/Pesticides (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| beta-BHC | --- | --- | --- | --- | --- | --- | 0.019U | 0.0017U | 0.18U | --- | 0.0026U | 0.03U | 0.0018U | 0.0017U | --- | 0.0018U | --- | --- | --- | --- |
| Aldrin | --- | --- | --- | --- | --- | --- | 0.019U | 0.0009JP | 0.18U | --- | 0.0026U | 0.03U | 0.0018U | 0.0017U | --- | 0.0018U | --- | --- | --- | --- |
| 4,4'-DDE | --- | --- | --- | --- | --- | --- | 0.026J | 0.0035U | 0.078JP | --- | 0.0026J | 0.027J | 0.0051 | 0.0035U | --- | 0.0044JP | --- | --- | --- | --- |
| Endrin | --- | --- | --- | --- | --- | --- | 0.0061JP | 0.0035U | 0.35U | --- | 0.0016JP | 0.061U | 0.0036U | 0.0035U | --- | 0.036U | --- | --- | --- | --- |
| Endosulfan II | --- | --- | --- | --- | --- | --- | 0.039U | 0.0035U | 0.35U | --- | 0.0052U | 0.061U | 0.0036U | 0.0035U | --- | 0.034J | --- | --- | --- | --- |
| 4,4'-DDD | --- | --- | --- | --- | --- | --- | 0.039U | 0.0035U | 0.35U | --- | 0.0045JP | 0.061U | 0.0008JP | 0.0035U | --- | 0.036U | --- | --- | --- | --- |
| 4,4'-DDT | --- | --- | --- | --- | --- | --- | 0.039U | 0.0035U | 0.082JP | --- | 0.0052U | 0.011JP | 0.0036U | 0.0035U | --- | 0.036U | --- | --- | --- | --- |
| Methoxychlor | --- | --- | --- | --- | --- | --- | 0.19U | 0.17U | 1.8U | --- | 0.026U | 0.3U | 0.018U | 0.017U | --- | 0.18U | --- | --- | --- | --- |
| Endrin-aldehyde | --- | --- | --- | --- | --- | --- | 0.039U | 0.0035U | 0.35U | --- | 0.0052U | 0.061U | 0.0036U | 0.0035U | --- | 0.046 | --- | --- | --- | --- |
| alpha-Chlordane | --- | --- | --- | --- | --- | --- | 0.02U | 0.0018U | 0.18U | --- | 0.0087P | 0.031U | 0.0018U | 0.0018U | --- | 0.019U | --- | --- | --- | --- |
| gamma-Chlordane | --- | --- | --- | --- | --- | --- | 0.0042JP | 0.0017U | 0.18U | --- | 0.0087P | 0.03U | 0.0009JP | 0.0017U | --- | 0.018U | --- | --- | --- | --- |
| Aroclor-1016 | --- | --- | --- | --- | --- | --- | 0.38U | 0.047 | 3.4U | --- | 0.05U | 0.59U | 0.052P | 0.034U | --- | 0.35U | --- | --- | --- | --- |
| Aroclor-1242 | --- | --- | --- | --- | --- | --- | 0.38U | 0.034U | 3.4U | --- | 0.05U | 0.59U | 0.035U | 0.034U | --- | 0.35U | --- | --- | --- | --- |
| Aroclor-1254 | --- | --- | --- | --- | --- | --- | 1.8 | 0.034U | 4.3 | --- | 0.1 | 1 | 0.29 | 0.034U | --- | 0.35U | --- | --- | --- | --- |
| Aroclor-1260 | --- | --- | --- | --- | --- | --- | 0.53 | 0.034U | 3.4U | --- | 0.053 | 0.59U | 0.035U | 0.034U | --- | 0.89 | --- | --- | --- | --- |
| Phenols (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| 2,3,5,6-Tetrachlorophen | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2,3,4,6-Tetrachlorophen | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2,3,4,5-Tetrachlorophen | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Pentachlorophenol | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| by GC/MS | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.8U | --- | --- | 0.92U | 0.91U | --- | 0.86U | --- | --- | --- | --- |
| by GC-ECD | 24J | ND(b) | 0.033UJ | ND(b) | ND(b) | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Volatiles (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| Acetone | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2-Butanone | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total Xylenes | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Semivolatiles (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| 4-Methylphenol | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.33U | --- | --- | 0.38U | 0.37U | --- | 0.36U | --- | --- | --- | --- |
| 1,2,4-Trichlorobenzene | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.33U | --- | --- | 0.38U | 0.37U | --- | 0.36U | --- | --- | --- | --- |
| Naphthalene | 0.017J | --- | 0.12J | --- | --- | --- | --- | --- | --- | 0.33U | --- | --- | 0.38U | 0.37U | --- | 0.082J | --- | --- | --- | --- |
| 2-Methylnaphthalene | 0.0081UJ | --- | 0.017J | --- | --- | --- | --- | --- | --- | 0.33U | --- | --- | 0.38U | 0.37U | --- | 0.36U | --- | --- | --- | --- |
| Acenaphthylene | 0.0081UJ | --- | 0.0094J | --- | --- | --- | --- | --- | --- | 0.33U | --- | --- | 0.38U | 0.37U | --- | 0.36U | --- | --- | --- | --- |
| Acenaphthene | 0.0081UJ | --- | 0.0079J | --- | --- | --- | --- | --- | --- | 0.33U | --- | --- | 0.38U | 0.37U | --- | 0.36U | --- | --- | --- | --- |
| Dibenzofuran | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.33U | --- | --- | 0.38U | 0.37U | --- | 0.36U | --- | --- | --- | --- |
| Fluorene | 0.0088J | --- | 0.0066UJ | --- | --- | --- | --- | --- | --- | 0.33U | --- | --- | 0.38U | 0.37U | --- | 0.36U | --- | --- | --- | --- |
| 4-Nitroaniline | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.8U | --- | --- | 0.92U | 0.91U | --- | 0.86U | --- | --- | --- | --- |
| Phenanthrene | 0.072J | --- | 0.11J | --- | --- | --- | --- | --- | --- | 0.33U | --- | --- | 0.38U | 0.37U | --- | 0.27J | --- | --- | --- | --- |
| Anthracene | 0.0081UJ | --- | 0.0066UJ | --- | --- | --- | --- | --- | --- | 0.33U | --- | --- | 0.38U | 0.37U | --- | 0.36U | --- | --- | --- | --- |
| Carbazole | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.33U | --- | --- | 0.38U | 0.37U | --- | 0.36U | --- | --- | --- | --- |
| Fluoranthene | 0.054J | --- | 0.13J | --- | --- | --- | --- | --- | --- | 0.33U | --- | --- | 0.042J | 0.37U | --- | 0.33J | --- | --- | --- | --- |
| Pyrene | 0.042J | --- | 0.097J | --- | --- | --- | --- | --- | --- | 0.33U | --- | --- | 0.07J | 0.37U | --- | 0.52 | --- | --- | --- | --- |
| Benzo(a)anthracene | 0.0081UJ | --- | 0.0066UJ | --- | --- | --- | --- | --- | --- | 0.33U | --- | --- | 0.38U | 0.37U | --- | 0.13J | --- | --- | --- | --- |
| Chrysene | 0.0081UJ | --- | 0.0066UJ | --- | --- | --- | --- | --- | --- | 0.33U | --- | --- | 0.38U | 0.37U | --- | 0.22J | --- | --- | --- | --- |
| bis(2-Ethylhexyl) phthala | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.2J | --- | --- | 0.38U | 0.37U | --- | 0.16J | --- | --- | --- | --- |
| Benzo(b)fluoranthene | 0.0081UJ | --- | 0.0066UJ | --- | --- | --- | --- | --- | --- | 0.33U | --- | --- | 0.38U | 0.37U | --- | 0.33J | --- | --- | --- | --- |
| Benzo(k)fluoranthene | 0.0081UJ | --- | 0.0066UJ | --- | --- | --- | --- | --- | --- | 0.33U | --- | --- | 0.38U | 0.37U | --- | 0.1J | --- | --- | --- | --- |
| Benzo(a)pyrene | 0.0081UJ | --- | 0.0066UJ | --- | --- | --- | --- | --- | --- | 0.33U | --- | --- | 0.38U | 0.37U | --- | 0.13J | --- | --- | --- | --- |
| Indeno(1,2,3-cd)pyrene | 0.0081UJ | --- | 0.0066UJ | --- | --- | --- | --- | --- | --- | 0.33U | --- | --- | 0.38U | 0.37U | --- | 0.18J | --- | --- | --- | --- |
| Dibenzo(a,h)-anthracene | 0.0081UJ | --- | 0.0066UJ | --- | --- | --- | --- | --- | --- | 0.33U | --- | --- | 0.38U | 0.37U | --- | 0.36U | --- | --- | --- | --- |
| Benzo(g,h,i) perylene | 0.0081UJ | --- | 0.0066UJ | --- | --- | --- | --- | --- | --- | 0.33U | --- | --- | 0.38U | 0.37U | --- | 0.36U | --- | --- | --- | --- |
| Metals (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| Arsenic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

TABLE 4 - Summary of East Site Soil Data (Key to Table on Page 13 of 13)

Weyerhaeuser East Site
Everett, Washington

| Spl. No. | A7-13 | A7-14 | A7-16 | A7-17 | A7-19a | A7-19b | A7-20 | TP-104/S1 | TP-104/S2 | TP-104/S3 | TP-105/S1 | TP-105/S2 | TP-105/S3 | TP-109/S1 | TP-109/S2 | TP-109/S3 | TP-114/S1 | TP-114/S2 | TP-114/S3 | A8-1S-A |
|--------------------------------|---------|----------|-----------|---------|---------|----------|---------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| Depth | 1.1-2.3 | 0.5-1.4 | 1.0-2.0 | 2.0-3.8 | 2.9-3.4 | 4.4-4.8 | 3.1-4.7 | 0.0-1.0 | 2.0-4.0 | 5.0-6.5 | 0.0-1.5 | 1.5-2.5 | 3.5-5.5 | 1.5-3.0 | 4.0-6.0 | 7.5-8.5 | 0.0-0.75 | 1.5-4.0 | 4.0-5.5 | 1.0-2.5 |
| Source | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | EMCON |
| Parameter/Area | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 |
| Petroleum Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| HCID | Y(ND) | Y | N | Y | Y | Y(ND) | Y | 900(a) | ND(b) | 29(b) | 70(a) | 48(b) | ND(b) | 350(b) | 43(b) | ND(b) | 27(a) | 120(b) | 45(b) | Y |
| WTPH-G | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WTPH-DX | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Diesel Range | --- | 50 | 19U | 2U | 363 | --- | 160 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Heavy Oil | --- | 176 | 1400 | 89 | 1174 | --- | 890 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EPA 418.1 | --- | --- | --- | --- | --- | --- | --- | 2300(a) | --- | --- | 290(a) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Type | --- | --- | --- | --- | --- | --- | --- | oil/unknown | --- | oil | oil | oil | --- | oil | oil | --- | oil | oil | oil | --- |
| PCBs/Pesticides (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| beta-BHC | 0.0018U | 0.0018U | 0.0021U | 0.0018U | 0.27U | 0.0085JP | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Aldrin | 0.0018U | 0.0018U | 0.0021U | 0.0018U | 0.27U | 0.026P | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4,4'-DDE | 0.0035U | 0.0012JP | 0.00092J | 0.0036U | 0.54U | 0.0035JP | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Endrin | 0.0035U | 0.0036U | 0.0042U | 0.0036U | 0.54U | 0.035U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Endosulfan II | 0.0035U | 0.0036U | 0.00098JP | 0.0036U | 0.19J | 0.035U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4,4'-DDD | 0.0035U | 0.0036U | 0.0042U | 0.0036U | 0.54U | 0.035U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4,4'-DDT | 0.0035U | 0.0036U | 0.0042U | 0.0036U | 0.54U | 0.035U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Methoxychlor | 0.018U | 0.018U | 0.021U | 0.018U | 2.7U | 0.18U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Endrin aldehyde | 0.0035U | 0.0036U | 0.0042U | 0.0036U | 0.54U | 0.035U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| alpha-Chlordane | 0.0018U | 0.0018U | 0.0021U | 0.0019U | 0.28U | 0.018U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| gamma-Chlordane | 0.0018U | 0.0018U | 0.0021U | 0.0018U | 0.27U | 0.018U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Aroclor-1016 | 0.034U | 0.035U | 0.04U | 0.035U | 5.2U | 1.2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Aroclor-1242 | 0.034U | 0.035U | 0.04U | 0.035U | 5.2U | 0.34U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Aroclor-1254 | 0.034U | 0.078 | 0.075 | 0.015 | 6.6 | 0.13J | --- | 3.4(b) | ND(b) | ND(b) | 0.31(b) | ND(b) | ND(b) | ND(b) | ND(b) | ND(b) | 1.4(b) | ND(b) | ND(b) | --- |
| Aroclor-1260 | 0.034U | 0.035U | 0.042 | 0.035U | 4.4JP | 0.34U | --- | 3.8(a) | ND(b) | ND(b) | 0.061(a) | ND(b) | ND(b) | ND(b) | ND(b) | ND(b) | 1.8(a) | ND(b) | ND(b) | --- |
| Phenols (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| 2,3,5,6-Tetrachlorophen | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2,3,4,6-Tetrachlorophen | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2,3,4,5-Tetrachlorophen | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Pentachlorophenol | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| by GC/MS | --- | --- | --- | --- | 3U | 0.81U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| by GC-ECD | --- | --- | --- | --- | --- | --- | --- | 0.54UJ | --- | --- | 0.036UJ | --- | --- | --- | --- | --- | --- | --- | 0.0066UJ(a) | --- |
| Volatiles (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| Acetone | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2-Butanone | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.011U |
| Total Xylenes | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.011U |
| Semivolatiles (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| 4-Methylphenol | --- | --- | --- | --- | 1.2U | 0.33U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1,2,4-Trichlorobenzene | --- | --- | --- | --- | 0.4J | 0.33U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 350U |
| Naphthalene | --- | --- | --- | --- | 5.6 | 0.33U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 350U |
| 2-Methylnaphthalene | --- | --- | --- | --- | 0.95J | 0.33U | --- | --- | --- | --- | 0.16J | --- | --- | --- | --- | --- | --- | --- | --- | 350U |
| Acenaphthylene | --- | --- | --- | --- | 1.2U | 0.33U | --- | --- | --- | --- | 0.11UJ | --- | --- | --- | --- | --- | --- | --- | --- | 350U |
| Acenaphthene | --- | --- | --- | --- | 0.52J | 0.33U | --- | --- | --- | --- | 0.0081UJ | --- | --- | --- | --- | --- | --- | --- | --- | 350U |
| Dibenzofuran | --- | --- | --- | --- | 0.24J | 0.33U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 350U |
| Fluorene | --- | --- | --- | --- | 0.22J | 0.33U | --- | --- | --- | --- | 0.0073UJ | --- | --- | --- | --- | --- | --- | --- | --- | 350U |
| 4-Nitroaniline | --- | --- | --- | --- | 3U | 0.81U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 350U |
| Phenanthrene | --- | --- | --- | --- | 0.91J | 0.33U | --- | --- | --- | --- | 0.16J | --- | --- | --- | --- | --- | --- | --- | --- | 840U |
| Anthracene | --- | --- | --- | --- | 0.17J | 0.33U | --- | --- | --- | --- | 0.025J | --- | --- | --- | --- | --- | --- | --- | --- | 77J |
| Carbazole | --- | --- | --- | --- | 0.39J | 0.33U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 350U |
| Fluoranthene | --- | --- | --- | --- | 1.3 | 0.33U | --- | --- | --- | --- | 0.35J | --- | --- | --- | --- | --- | --- | --- | --- | 350U |
| Pyrene | --- | --- | --- | --- | 1.1J | 0.33U | --- | --- | --- | --- | 0.37J | --- | --- | --- | --- | --- | --- | --- | --- | 120J |
| Benzo(a)anthracene | --- | --- | --- | --- | 0.3J | 0.33U | --- | --- | --- | --- | 0.25J | --- | --- | --- | --- | --- | --- | --- | --- | 86J |
| Chrysene | --- | --- | --- | --- | 0.31J | 0.33U | --- | --- | --- | --- | 0.48J | --- | --- | --- | --- | --- | --- | --- | --- | 350U |
| bis(2-Ethylhexyl) phthala | --- | --- | --- | --- | 1J | 0.33U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 66J |
| Benzo(b)fluoranthene | --- | --- | --- | --- | 0.39J | 0.33U | --- | --- | --- | --- | 0.45J | --- | --- | --- | --- | --- | --- | --- | --- | 350U |
| Benzo(k)fluoranthene | --- | --- | --- | --- | 1.2U | 0.33U | --- | --- | --- | --- | 0.27J | --- | --- | --- | --- | --- | --- | --- | --- | 65J |
| Benzo(a)pyrene | --- | --- | --- | --- | 0.13J | 0.33U | --- | --- | --- | --- | 0.25J | --- | --- | --- | --- | --- | --- | --- | --- | 350U |
| Indeno(1,2,3-cd)pyrene | --- | --- | --- | --- | 1.2U | 0.33U | --- | --- | --- | --- | 0.54J | --- | --- | --- | --- | --- | --- | --- | --- | 350U |
| Dibenzo(a,h)-anthracene | --- | --- | --- | --- | 1.2U | 0.33U | --- | --- | --- | --- | 0.0073UJ | --- | --- | --- | --- | --- | --- | --- | --- | 350U |
| Benzo(g,h,i) perylene | --- | --- | --- | --- | 1.2U | 0.33U | --- | --- | --- | --- | 0.078J | --- | --- | --- | --- | --- | --- | --- | --- | 350U |
| Metals (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| Arsenic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

TABLE 4 - Summary of East Site Soil Data (Key to Table on Page 13 of 13)

| Spl. No. | A8-01 | A8-02A | A8-02B | A8-03 | A8-04 | A8-05 | A8-06 | A8-07 | A8-08 | A8-09 | A8-10a | A8-10b | A8-12 | A8-13 | B16/S1 | B16/S2 | B16/S3 | TP108/S1 | TP108/S2 | TP110/S1 |
|--------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|-------------|-------------|-------------|--------------|--------------|--------------|
| Depth | 2.4-4.1 | 3.6-4.6 | 2.0-3.5 | 1.0-4.0 | 0.4-3.3 | 0.5-1.7 | 1.4-2.3 | 1.0-4.0 | 0.4-1.2 | 1.2-3.5 | 1.0-1.9 | 2.2-3.2 | 2.4-4.8 | 1.1-3.8 | 0.5-2.0 | 2.5-4.0 | 5.0-6.5 | 0.5-1.0 | 1.5-3.0 | 0.5-2.0 |
| Source | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | HartCrowser | HartCrowser | HartCrowser | Hart Crowser | Hart Crowser | Hart Crowser |
| Parameter/Area | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| Petroleum Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| HCID | Y(ND) | Y | Y(ND) | Y | Y(ND) | N | N | N | Y | Y | Y | Y(ND) | Y(ND) | Y(ND) | 30(a) | ND(b) | ND(b) | 38(b) | ND(b) | 10U(a) |
| WTPH-G | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WTPH-DX | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Diesel Range | --- | 21U | 38 | 770 | --- | 19U | 190 | 43 | 16 | 29000 | 20U | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Heavy Oil | --- | 3900 | 60 | 3300 | --- | 58 | 3400 | 510 | 200 | 47000 | 2300 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EPA 418.1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 290(a) | --- | --- | --- | --- | 79(a) |
| Type | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | diesel/oil | --- | --- | oil | --- | oil |
| PCBs/Pesticides (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| beta-BHC | --- | --- | --- | 0.001U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Aldrin | --- | --- | --- | 0.001U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4,4'-DDE | --- | --- | --- | 0.0036U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Endrin | --- | --- | --- | 0.0036U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Endosulfan II | --- | --- | --- | 0.0036U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4,4'-DDD | --- | --- | --- | 0.0036U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4,4'-DDT | --- | --- | --- | 0.0036U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Methoxychlor | --- | --- | --- | 0.018U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Endrin aldehyde | --- | --- | --- | 0.0036U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| alpha-Chlordane | --- | --- | --- | 0.0018U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| gamma-Chlordane | --- | --- | --- | 0.0018U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Aroclor-1016 | --- | --- | --- | 0.035U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Aroclor-1242 | --- | --- | --- | 0.035U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Aroclor-1254 | --- | --- | --- | 0.035U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.83(b) | ND(b) | ND(b) | ND(b) | ND(b) | ND(b) |
| Aroclor-1260 | --- | --- | --- | 0.035U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.03U(a) | ND(b) | ND(b) | ND(b) | ND(b) | ND(b) |
| Phenols (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| 2,3,5,6-Tetrachlorophen | --- | 0.0033U | 0.033U | 0.0035U | --- | --- | --- | --- | --- | 0.035U | 0.0033U | nd(dl?) | --- | 0.00035U | --- | --- | --- | --- | --- | --- |
| 2,3,4,6-Tetrachlorophen | --- | 0.0184 | 1.29E | 0.0035U | --- | --- | --- | --- | --- | 2.54 | 0.0033U | nd(dl?) | --- | 0.00035U | --- | --- | --- | --- | --- | --- |
| 2,3,4,5-Tetrachlorophen | --- | 0.0033U | 0.314P | 0.0035U | --- | --- | --- | --- | --- | 0.035U | 0.033U | nd(dl?) | --- | 0.00035U | --- | --- | --- | --- | --- | --- |
| Pentachlorophenol | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| by GC/MS | 0.93U | --- | --- | 0.83U | --- | 0.87U | --- | --- | --- | 200 | 4U | --- | 0.85U | 0.84U | --- | --- | --- | --- | --- | --- |
| by GC-ECD | --- | 0.141 | 32.4E | 0.047 | --- | --- | --- | --- | --- | 30.3E | 0.0395 | nd(dl?) | --- | 0.00035U | 0.036UJ | --- | --- | --- | --- | 0.033UJ(a) |
| Volatiles (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| Acetone | 0.011U | --- | --- | --- | nd | 0.011U | 0.019 | --- | 0.011U | 0.079 | nd | nd | nd | nd | --- | --- | --- | --- | --- | --- |
| 2-Butanone | 0.011U | --- | --- | --- | nd | 0.011U | 0.005J | --- | 0.011U | 0.05U | nd | nd | nd | nd | --- | --- | --- | --- | --- | --- |
| Total Xylenes | 0.011U | --- | --- | --- | nd | 0.011U | 0.011U | --- | 0.011U | 0.014J | nd | nd | nd | nd | --- | --- | --- | --- | --- | --- |
| Semivolatiles (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| 4-Methylphenol | 0.38U | --- | --- | 0.34U | --- | 0.36U | --- | --- | --- | 36U | 1.6U | --- | 0.35U | 0.35U | --- | --- | --- | --- | --- | --- |
| 1,2,4-Trichlorobenzene | 0.38U | --- | --- | 0.34U | --- | 0.36U | --- | --- | --- | 36U | 1.6U | --- | 0.35U | 0.35U | --- | --- | --- | --- | --- | --- |
| Naphthalene | 0.32J | --- | --- | 0.041J | --- | 0.36U | --- | --- | --- | 36U | 1.6U | --- | 0.35U | 0.35U | 0.014J | --- | --- | --- | --- | 0.011J |
| 2-Methylnaphthalene | 0.089J | --- | --- | 0.34U | --- | 0.36U | --- | --- | --- | 36U | 1.6U | --- | 0.35U | 0.35U | 0.0071UJ | --- | --- | --- | --- | 0.0066UJ |
| Acenaphthylene | 0.38U | --- | --- | 0.34U | --- | 0.36U | --- | --- | --- | 36U | 1.6U | --- | 0.35U | 0.35U | 0.0071UJ | --- | --- | --- | --- | 0.0066UJ |
| Acenaphthene | 0.041J | --- | --- | 0.34U | --- | 0.36U | --- | --- | --- | 36U | 1.6U | --- | 0.35U | 0.35U | 0.0071UJ | --- | --- | --- | --- | 0.0066UJ |
| Dibenzofuran | 0.048J | --- | --- | 0.34U | --- | 0.36U | --- | --- | --- | 36U | 1.6U | --- | 0.35U | 0.35U | --- | --- | --- | --- | --- | --- |
| Fluorene | 0.38U | --- | --- | 0.34U | --- | 0.36U | --- | --- | --- | 36U | 1.6U | --- | 0.35U | 0.35U | 0.0071UJ | --- | --- | --- | --- | 0.0066UJ |
| 4-Nitroaniline | 0.93U | --- | --- | 0.83U | --- | 0.87U | --- | --- | --- | 87U | 4U | --- | 0.85U | 0.84U | --- | --- | --- | --- | --- | --- |
| Phenanthrene | 0.34J | --- | --- | 0.09J | --- | 0.039J | --- | --- | --- | 36U | 1.6U | --- | 0.35U | 0.35U | 0.12J | --- | --- | --- | --- | 0.041J |
| Anthracene | 0.043J | --- | --- | 0.34U | --- | 0.36U | --- | --- | --- | 36U | 1.6U | --- | 0.35U | 0.35U | 0.021J | --- | --- | --- | --- | 0.0066UJ |
| Carbazole | 0.38U | --- | --- | 0.34U | --- | 0.36U | --- | --- | --- | 36U | 1.6U | --- | 0.35U | 0.35U | --- | --- | --- | --- | --- | --- |
| Fluoranthene | 0.31J | --- | --- | 0.34U | --- | 0.055J | --- | --- | --- | 36U | 1.6U | --- | 0.35U | 0.35U | 0.21J | --- | --- | --- | --- | 0.13J |
| Pyrene | 0.63 | --- | --- | 0.34U | --- | 0.075J | --- | --- | --- | 36U | 0.27J | --- | 0.35U | 0.35U | 0.22J | --- | --- | --- | --- | 0.096J |
| Benzo(a)anthracene | 0.13J | --- | --- | 0.34U | --- | 0.36U | --- | --- | --- | 36U | 1.6U | --- | 0.35U | 0.35U | 0.045J | --- | --- | --- | --- | 0.0066UJ |
| Chrysene | 0.19J | --- | --- | 0.054J | --- | 0.36U | --- | --- | --- | 36U | 1.6U | --- | 0.35U | 0.35U | 0.050J | --- | --- | --- | --- | 0.016J |
| bis(2-Ethylhexyl) phthala | 0.38U | --- | --- | 0.34U | --- | 1.1 | --- | --- | --- | 36U | 1.6U | --- | 0.35U | 0.062J | --- | --- | --- | --- | --- | --- |
| Benzo(b)fluoranthene | 0.19J | --- | --- | 0.34U | --- | 0.36U | --- | --- | --- | 36U | 1.6U | --- | 0.35U | 0.35U | 0.013J | --- | --- | --- | --- | 0.0066UJ |
| Benzo(k)fluoranthene | 0.38U | --- | --- | 0.34U | --- | 0.36U | --- | --- | --- | 36U | 1.6U | --- | 0.35U | 0.35U | 0.011J | --- | --- | --- | --- | 0.0066UJ |
| Benzo(a)pyrene | 0.18J | --- | --- | 0.34U | --- | 0.36U | --- | --- | --- | 36U | 1.6U | --- | 0.35U | 0.35U | 0.0071UJ | --- | --- | --- | --- | 0.0066UJ |
| Indeno(1,2,3-cd)pyrene | 0.38U | --- | --- | 0.34U | --- | 0.36U | --- | --- | --- | 36U | 1.6U | --- | 0.35U | 0.35U | 0.0071UJ | --- | --- | --- | --- | 0.0066UJ |
| Dibenzo(a,h)-anthracene | 0.38U | --- | --- | 0.34U | --- | 0.36U | --- | --- | --- | 36U | 1.6U | --- | 0.35U | 0.35U | 0.0071UJ | --- | --- | --- | --- | 0.0066UJ |
| Benzo(g,h,i) perylene | 0.38U | --- | --- | 0.34U | --- | 0.36U | --- | --- | --- | 36U | 1.6U | --- | 0.35U | 0.35U | 0.0071UJ | --- | --- | --- | --- | 0.0066UJ |
| Metals (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| Arsenic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

TABLE 4 - Summary of East Site Soil Data (Key to Table on Page 13 of 13)

| Spl. No. | TP110/S2 | TP111/S1 | TP111/S2 | TP112/S1 | TP112/S2 | TP112/S3 | CL1-SS1 | A9-01 | A9-05 | A9-06 | A9-07 | A9-08 | A9-09 | A9-10 | A9-11 | A9-12 | A9-13 | A9-14 | A9-15 | A9-16A |
|--------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Depth | 3.0-4.5 | 1.0-2.0 | 2.3-3.0 | 1.5-2.5 | 3.0-4.5 | 5.0-5.75 | Surface | 2.0-4.1 | 4.1-5.0 | 1.2-2.8 | 0.8-2.3 | 3.0-5.7 | 0.7-1.9 | 0.5-1.5 | 1.6-4.9 | 0.6-2.8 | 1.1-3.2 | 0.8-2.6 | 1.8-2.9 | 1.0-2.0 |
| Source | Hart Crowser | Hart Crowser | Hart Crowser | Hart Crowser | Hart Crowser | Hart Crowser | Hart Crowser | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON |
| Parameter/Area | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| Petroleum Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| HClD | 10U(a) | 600(a) | ND(b) | 94(b) | ND(b) | ND(b) | 2600(a) | Y | Y | Y | Y | Y | Y(ND) | N | Y | Y | Y | Y | Y(ND) | N |
| WTPH-G | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.72 | --- | --- | --- | --- | --- |
| WTPH-DX | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Diesel Range | --- | --- | --- | --- | --- | --- | --- | 77 | 950 | 23 | 39 | 2886 | --- | --- | 6900 | 52 | 58 | 19 | --- | --- |
| Heavy Oil | --- | 1700(a) | --- | --- | --- | --- | --- | 270 | 3600 | 240 | 260 | 2948 | --- | --- | 24000 | 410 | 550 | 140 | --- | --- |
| EPA 418.1 | 45(a) | --- | --- | --- | --- | --- | 87000(a) | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Type | --- | oil | --- | oil | --- | --- | oil | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PCBs/Pesticides (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| beta-BHC | --- | --- | --- | --- | --- | --- | --- | 0.0018U | 0.0021U | --- | 0.0017U | --- | 0.2U | 0.018U | 0.002U | 0.0018U | --- | 0.0018U | 0.0019U | --- |
| Aldrin | --- | --- | --- | --- | --- | --- | --- | 0.0018U | 0.0021U | --- | 0.0017U | --- | 0.2U | 0.018U | 0.002U | 0.0018U | --- | 0.0018U | 0.0019U | --- |
| 4,4'-DDE | --- | --- | --- | --- | --- | --- | --- | 0.0035U | 0.033 | --- | 0.0034U | --- | 0.41P | 0.0085J | 0.004U | 0.0036U | --- | 0.0037U | 0.0038U | --- |
| Endrin | --- | --- | --- | --- | --- | --- | --- | 0.0035U | 0.0042U | --- | 0.0034U | --- | 0.054JP | 0.036U | 0.004U | 0.0036U | --- | 0.0037U | 0.0038U | --- |
| Endosulfan II | --- | --- | --- | --- | --- | --- | --- | 0.0045 | 0.0042U | --- | 0.0034U | --- | 0.39U | 0.036U | 0.004U | 0.0036U | --- | 0.0037U | 0.0038U | --- |
| 4,4'-DDD | --- | --- | --- | --- | --- | --- | --- | 0.0035U | 0.0045P | --- | 0.0034U | --- | 0.39U | 0.036U | 0.004U | 0.0036U | --- | 0.0037U | 0.0038U | --- |
| 4,4'-DDT | --- | --- | --- | --- | --- | --- | --- | 0.0035U | 0.0042U | --- | 0.0034U | --- | 0.14JP | 0.036U | 0.004U | 0.0036U | --- | 0.0037U | 0.0038U | --- |
| Methoxychlor | --- | --- | --- | --- | --- | --- | --- | 0.018 | 0.021U | --- | 0.017U | --- | 2U | 0.18U | 0.021U | 0.0022J | --- | 0.018U | 0.019U | --- |
| Endrin-aldehyde | --- | --- | --- | --- | --- | --- | --- | 0.0066 | 0.0042U | --- | 0.0034U | --- | 0.12JP | 0.036U | 0.004U | 0.0036U | --- | 0.0037U | 0.0038U | --- |
| alpha-Chlordane | --- | --- | --- | --- | --- | --- | --- | 0.0035JP | 0.0022U | --- | 0.0017U | --- | 0.35 | 0.019U | 0.002U | 0.0019U | --- | 0.0019U | 0.0019U | --- |
| gamma-Chlordane | --- | --- | --- | --- | --- | --- | --- | 0.0018U | 0.0067P | --- | 0.0017U | --- | 0.058JP | 0.018U | 0.002U | 0.0018U | --- | 0.0019U | 0.0019U | --- |
| Aroclor-1016 | --- | --- | --- | --- | --- | --- | --- | 0.034U | 0.041U | --- | 0.033U | --- | 3.8U | 0.35U | 0.04U | 0.035U | --- | 0.035U | 0.036U | --- |
| Aroclor-1242 | --- | --- | --- | --- | --- | --- | --- | 0.034U | 0.041U | --- | 0.033U | --- | 3.8U | 0.35U | 0.04U | 0.035U | --- | 0.035U | 0.036U | --- |
| Aroclor-1254 | --- | --- | --- | --- | --- | --- | ND(b) | 0.13 | 1.8EP | --- | 0.033U | --- | 22 | 0.64 | 0.04U | 0.035U | --- | 0.035U | 0.036U | --- |
| Aroclor-1260 | --- | --- | --- | --- | --- | --- | 0.17(a) | 0.12 | 0.6EP | --- | 0.033U | --- | 7 | 0.35U | 0.04U | 0.035U | --- | 0.035U | 0.036U | --- |
| Phenols (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| 2,3,5,6-Tetrachlorophen | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2,3,4,6-Tetrachlorophen | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2,3,4,5-Tetrachlorophen | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Pentachlorophenol | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| by GC/MS | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 52U | --- | 0.84U | --- | --- | --- | --- | --- | --- |
| by GC-ECD | 0.033UJ(a) | 5.9J(a) | ND(b) | ND(b) | ND(b) | ND(b) | 0.32J | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Volatiles (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| Acetone | --- | --- | --- | --- | --- | --- | --- | --- | --- | nd | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2-Butanone | --- | --- | --- | --- | --- | --- | --- | --- | --- | nd | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total Xylenes | --- | --- | --- | --- | --- | --- | --- | --- | --- | nd | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Semivolatiles (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| 4-Methylphenol | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 21U | --- | 0.35U | --- | --- | --- | --- | --- | --- |
| 1,2,4-Trichlorobenzene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 21U | --- | 0.35U | --- | --- | --- | --- | --- | --- |
| Naphthalene | 0.0067UJ | 0.012J | --- | --- | --- | --- | 0.066UJ | --- | --- | --- | --- | 21U | --- | 0.35U | --- | --- | --- | --- | --- | --- |
| 2-Methylnaphthalene | 0.0067UJ | 0.0077UJ | --- | --- | --- | --- | 0.066UJ | --- | --- | --- | --- | 21U | --- | 0.35U | --- | --- | --- | --- | --- | --- |
| Acenaphthylene | 0.0067UJ | 0.0077UJ | --- | --- | --- | --- | 0.066UJ | --- | --- | --- | --- | 21U | --- | 0.35U | --- | --- | --- | --- | --- | --- |
| Acenaphthene | 0.0067UJ | 0.0077UJ | --- | --- | --- | --- | 0.089J | --- | --- | --- | --- | 21U | --- | 0.35U | --- | --- | --- | --- | --- | --- |
| Dibenzofuran | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 21U | --- | 0.35U | --- | --- | --- | --- | --- | --- |
| Fluorene | 0.0067UJ | 0.0077UJ | --- | --- | --- | --- | 0.118J | --- | --- | --- | --- | 21U | --- | 0.35U | --- | --- | --- | --- | --- | --- |
| 4-Nitroaniline | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 52U | --- | 0.84U | --- | --- | --- | --- | --- | --- |
| Phenanthrene | 0.0067UJ | 0.077J | --- | --- | --- | --- | 0.23J | --- | --- | --- | --- | 4.7J | --- | 0.076J | --- | --- | --- | --- | --- | --- |
| Anthracene | 0.0067UJ | 0.0077UJ | --- | --- | --- | --- | 0.066UJ | --- | --- | --- | --- | 21U | --- | 0.35U | --- | --- | --- | --- | --- | --- |
| Carbazole | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 21U | --- | 0.35U | --- | --- | --- | --- | --- | --- |
| Fluoranthene | 0.0067UJ | 0.31J | --- | --- | --- | --- | 0.77J | --- | --- | --- | --- | 7.1J | --- | 0.089J | --- | --- | --- | --- | --- | --- |
| Pyrene | 0.0067UJ | 0.31J | --- | --- | --- | --- | 0.86J | --- | --- | --- | --- | 6.2J | --- | 0.14J | --- | --- | --- | --- | --- | --- |
| Benzo(a)anthracene | 0.0067UJ | 0.036J | --- | --- | --- | --- | 0.12J | --- | --- | --- | --- | 2.7J | --- | 0.039J | --- | --- | --- | --- | --- | --- |
| Chrysene | 0.0067UJ | 0.28J | --- | --- | --- | --- | 0.56J | --- | --- | --- | --- | 2.9J | --- | 0.042J | --- | --- | --- | --- | --- | --- |
| bis(2-Ethylhexyl) phthala | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 21U | --- | 0.077J | --- | --- | --- | --- | --- | --- |
| Benzo(b)fluoranthene | 0.0067UJ | 0.0077UJ | --- | --- | --- | --- | 0.22J | --- | --- | --- | --- | 2.8J | --- | 0.054J | --- | --- | --- | --- | --- | --- |
| Benzo(k)fluoranthene | 0.0067UJ | 0.31J | --- | --- | --- | --- | 0.066UJ | --- | --- | --- | --- | 21U | --- | 0.35U | --- | --- | --- | --- | --- | --- |
| Benzo(a)pyrene | 0.0067UJ | 0.0077UJ | --- | --- | --- | --- | 0.25J | --- | --- | --- | --- | 2.7J | --- | 0.35U | --- | --- | --- | --- | --- | --- |
| Indeno(1,2,3-cd)pyrene | 0.0067UJ | 0.0077UJ | --- | --- | --- | --- | 0.066UJ | --- | --- | --- | --- | 2.4J | --- | 0.35U | --- | --- | --- | --- | --- | --- |
| Dibenzo(a,h)-anthracene | 0.0067UJ | 0.0077UJ | --- | --- | --- | --- | 0.066UJ | --- | --- | --- | --- | 21U | --- | 0.35U | --- | --- | --- | --- | --- | --- |
| Benzo(g,h,i) perylene | 0.0067UJ | 0.0077UJ | --- | --- | --- | --- | 0.066UJ | --- | --- | --- | --- | 2.4J | --- | 0.35U | --- | --- | --- | --- | --- | --- |
| Metals (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| Arsenic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

TABLE 4 - Summary of East Site Soil Data (Key to Table on Page 13 of 13)

| Spl. No. | A9-16B | B1/S1 | B1/S2 | B1/S3 | B19/S1 | B19/S2 | B19/S3 | B20/S1 | B20/S2 | B20/S3 | TP101/S1 | TP101/S2 | TP102/S1 | TP102/S2 | TP103/S1 | TP103/S2 | TP103/S3 | TP106/S1 | TP106/S2 | TP113/S1 |
|--------------------------------|---------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Depth | 2.0-3.0 | 0.5-2.0 | 2.5-4.0 | 5.0-6.5 | 0.5-2.0 | 2.5-4.0 | 5.0-6.5 | 0.5-2.0 | 2.5-4.0 | 5.0-6.5 | 3.5-5.0 | 5.5-6.5 | 0.0-1.0 | 1.0-2.0 | 0.0-2.0 | 2.0-4.0 | 3.5-4.5 | 2.0-4.0 | 4.5-6.5 | 0.0-1.0 |
| Source | EMCON | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser |
| Parameter/Area | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| Petroleum Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| HClD | Y(ND) | 680(b) | 1300(b) | 900(a) | ND(b) | ND(b) | ND(b) | 98(b) | ND(b) | ND(b) | 66(b) | ND(b) | 200(a) | 62(b) | 1610(b) | 90(a) | 33(b) | 73(b) | ND(b) | 240(a) |
| WTPH-G | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WTPH-DX | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Diesel Range | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Heavy Oil | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EPA 418.1 | --- | --- | --- | 3900(a) | --- | --- | --- | --- | --- | --- | --- | --- | 1000(a) | --- | --- | 660(a) | --- | --- | --- | 9000(a) |
| Type | --- | diesel/oil | oil | gasoline/oil | --- | --- | --- | oil | --- | --- | oil | --- | oil | oil | oil/unknown | oil/unknown | oil | oil | --- | oil |
| PCBs/Pesticides (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| beta-BHC | 0.0019U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Aldrin | 0.0019U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4,4'-DDE | 0.0038U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Endrin | 0.0038U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Endosulfan II | 0.0038U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4,4'-DDD | 0.0038U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4,4'-DDT | 0.0038U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Methoxychlor | 0.019U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Endrin aldehyde | 0.0038U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| alpha-Chlordane | 0.0019U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| gamma-Chlordane | 0.0019U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Aroclor-1016 | 0.036U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Aroclor-1242 | 0.036U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Aroclor-1254 | 0.036U | nd(b) | nd(b) | nd(b) | nd(b) | nd(b) | nd(b) | nd(b) | nd(b) | nd(b) | --- | --- | nd(b) | nd(b) | 9.4(b) | --- | 2.5(b) | nd(b) | nd(b) | 1.8(b) |
| Aroclor-1260 | 0.036U | nd(b) | nd(b) | nd(b) | nd(b) | nd(b) | nd(b) | nd(b) | nd(b) | nd(b) | --- | --- | 0.57(a) | nd(b) | nd(b) | 6.2(a) | nd(b) | nd(b) | nd(b) | nd(b) |
| Phenols (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| 2,3,5,6-Tetrachlorophen | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2,3,4,6-Tetrachlorophen | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2,3,4,5-Tetrachlorophen | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Pentachlorophenol | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| by GC/MS | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| by GC-ECD | --- | --- | --- | 0.048UJ | --- | --- | --- | --- | --- | --- | --- | --- | 0.045UJ | --- | --- | 0.77UJ | --- | --- | --- | 0.066UJ(a) |
| Volatiles (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| Acetone | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2-Butanone | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total Xylenes | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Semivolatiles (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| 4-Methylphenol | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1,2,4-Trichlorobenzene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Naphthalene | --- | --- | --- | 0.047J | --- | --- | --- | --- | --- | --- | --- | --- | 0.043J | --- | --- | 3.6J | --- | --- | --- | 0.64JB |
| 2-Methylnaphthalene | --- | --- | --- | 0.023J | --- | --- | --- | --- | --- | --- | --- | --- | 0.016J | --- | --- | 1.4J | --- | --- | --- | 0.22J |
| Acenaphthylene | --- | --- | --- | 0.011J | --- | --- | --- | --- | --- | --- | --- | --- | 0.012J | --- | --- | 0.15UJ | --- | --- | --- | 0.006UJ |
| Acenaphthene | --- | --- | --- | 0.018J | --- | --- | --- | --- | --- | --- | --- | --- | 0.019J | --- | --- | 2.7J | --- | --- | --- | 0.74J |
| Dibenzofuran | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fluorene | --- | --- | --- | 0.027J | --- | --- | --- | --- | --- | --- | --- | --- | 0.03J | --- | --- | 2.8J | --- | --- | --- | 0.33J |
| 4-Nitroaniline | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Phenanthrene | --- | --- | --- | 0.17J | --- | --- | --- | --- | --- | --- | --- | --- | 0.69J | --- | --- | 36J | --- | --- | --- | 15J |
| Anthracene | --- | --- | --- | 0.032J | --- | --- | --- | --- | --- | --- | --- | --- | 0.1J | --- | --- | 5.8J | --- | --- | --- | 2.1J |
| Carbazole | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fluoranthene | --- | --- | --- | 0.18J | --- | --- | --- | --- | --- | --- | --- | --- | 1.6J | --- | --- | 38J | --- | --- | --- | 21J |
| Pyrene | --- | --- | --- | 0.3J | --- | --- | --- | --- | --- | --- | --- | --- | 1.7J | --- | --- | 37J | --- | --- | --- | 22J |
| Benzo(a)anthracene | --- | --- | --- | 0.15J | --- | --- | --- | --- | --- | --- | --- | --- | 0.66J | --- | --- | 13J | --- | --- | --- | 9.9J |
| Chrysene | --- | --- | --- | 0.4J | --- | --- | --- | --- | --- | --- | --- | --- | 0.98J | --- | --- | 13J | --- | --- | --- | 10J |
| bis(2-Ethylhexyl) phthala | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Benzo(b)fluoranthene | --- | --- | --- | 0.17J | --- | --- | --- | --- | --- | --- | --- | --- | 0.78J | --- | --- | 7.8J | --- | --- | --- | 11J |
| Benzo(k)fluoranthene | --- | --- | --- | 0.0095UJ | --- | --- | --- | --- | --- | --- | --- | --- | 0.66J | --- | --- | 7.6J | --- | --- | --- | 8.3J |
| Benzo(a)pyrene | --- | --- | --- | 0.0095UJ | --- | --- | --- | --- | --- | --- | --- | --- | 0.69J | --- | --- | 6.3J | --- | --- | --- | 12J |
| Indeno(1,2,3-cd)pyrene | --- | --- | --- | 0.0095UJ | --- | --- | --- | --- | --- | --- | --- | --- | 0.2J | --- | --- | 0.15UJ | --- | --- | --- | 0.0066UJ |
| Dibenzo(a,h)-anthracene | --- | --- | --- | 0.0095UJ | --- | --- | --- | --- | --- | --- | --- | --- | 0.0089UJ | --- | --- | 0.15UJ | --- | --- | --- | 0.0066UJ |
| Benzo(g,h,i) perylene | --- | --- | --- | 0.0095UJ | --- | --- | --- | --- | --- | --- | --- | --- | 0.0089UJ | --- | --- | 0.28J | --- | --- | --- | 0.0066UJ |
| Metals (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| Arsenic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

TABLE 4 - Summary of East Site Soil Data (Key to Table on Page 13 of 13)

| Spl. No. | TP113/S2 | A10-01a | A10-02a | A10-02b | A10-03 | A10-04 | A10-05 | A10-06 | A10-07 | A10-08 | A10-09 | A10-10 | A10-11 | A10-12 | A10-13 | A10-14 | A10-15a | A10-16a | A10-17 | A10-18 |
|--------------------------------|-------------|---------|---------|---------|---------|---------|---------|----------|---------|---------|-----------|---------|-----------|---------|----------|----------|---------|---------|---------|---------|
| Depth | 1.0-2.5 | 0.5-2.0 | 0.5-2.1 | 2.1-3.5 | 0.7-1.5 | 1.6-2.0 | 0.7-1.3 | 0.7-1.3 | 0.7-1.9 | 1.0-2.0 | 1.2-1.8 | 0.8-2.0 | 1.3-1.8 | 0.8-1.2 | 0.5-2.3 | 1.0-1.8 | 0.0-2.0 | 0.5-1.3 | 1.0-2.5 | 1.1-3.2 |
| Source | HartCrowser | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON | EMCON |
| Parameter/Area | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Petroleum Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| HClD | 1100(b) | Y(ND) | Y | Y(ND) | Y | N | N | N | N | N | N | N | N | N | N | N | Y | Y | Y | Y(ND) |
| WTPH-G | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WTPH-DX | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Diesel Range | --- | --- | 350 | --- | 4300 | 870 | 230 | 16 | 2400 | 140 | 310 | 1900 | 58 | 21 | 19 | 33 | 220 | 149 | 300 | --- |
| Heavy Oil | --- | --- | 20U | --- | 2300 | 1700 | 1000 | 100 | 16400 | 1100 | 1300 | 5900 | 220 | 250 | 110 | 240 | 830 | 302 | 310 | --- |
| EPA 418.1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Type | oil | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PCBs/Pesticides (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| beta-BHC | --- | --- | --- | --- | --- | --- | 2.1U | 0.002U | --- | --- | 0.0021U | --- | 0.002U | 0.002U | --- | --- | --- | --- | --- | --- |
| Aldrin | --- | --- | --- | --- | --- | --- | 2.1U | 0.002U | --- | --- | 0.0021U | --- | 0.002U | 0.002U | --- | --- | --- | --- | --- | --- |
| 4,4'-DDE | --- | --- | --- | --- | --- | --- | 4.2U | 0.004U | --- | --- | 0.00051JP | --- | 0.00035JP | 0.004U | --- | --- | --- | --- | --- | --- |
| Endrin | --- | --- | --- | --- | --- | --- | 4.2U | 0.004U | --- | --- | 0.0042U | --- | 0.0042U | 0.004U | --- | --- | --- | --- | --- | --- |
| Endosulfan II | --- | --- | --- | --- | --- | --- | 3.8U | 0.004U | --- | --- | 0.0042U | --- | 0.0042U | 0.004U | --- | --- | --- | --- | --- | --- |
| 4,4'-DDD | --- | --- | --- | --- | --- | --- | 4.2U | 0.004U | --- | --- | 0.0042U | --- | 0.0042U | 0.004U | --- | --- | --- | --- | --- | --- |
| 4,4'-DDT | --- | --- | --- | --- | --- | --- | 4.2U | 0.004U | --- | --- | 0.0042U | --- | 0.0042U | 0.004U | --- | --- | --- | --- | --- | --- |
| Methoxychlor | --- | --- | --- | --- | --- | --- | 21U | 0.02U | --- | --- | 0.021U | --- | 0.021U | 0.02U | --- | --- | --- | --- | --- | --- |
| Endrin-aldehyde | --- | --- | --- | --- | --- | --- | 4.2U | 0.004U | --- | --- | 0.0042U | --- | 0.0042U | 0.004U | --- | --- | --- | --- | --- | --- |
| alpha-Chlordane | --- | --- | --- | --- | --- | --- | 2.1U | 0.002U | --- | --- | 0.0022U | --- | 0.0022U | 0.002U | --- | --- | --- | --- | --- | --- |
| gamma-Chlordane | --- | --- | --- | --- | --- | --- | 2.1U | 0.002U | --- | --- | 0.0021U | --- | 0.0021U | 0.002U | --- | --- | --- | --- | --- | --- |
| Aroclor-1016 | --- | --- | --- | --- | --- | --- | 41U | 0.039U | --- | --- | 0.041U | --- | 0.041U | 0.039U | --- | --- | --- | --- | --- | --- |
| Aroclor-1242 | --- | --- | --- | --- | --- | --- | 41U | 0.039U | --- | --- | 0.041U | --- | 0.041U | 0.039U | --- | --- | --- | --- | --- | --- |
| Aroclor-1254 | 1.7(b) | --- | --- | --- | --- | --- | 41U | 0.039U | --- | --- | 0.041U | --- | 0.041U | 0.039U | --- | --- | --- | --- | --- | --- |
| Aroclor-1260 | 1.3(a) | --- | --- | --- | --- | --- | 87 | 0.039U | --- | --- | 0.016JP | --- | 0.041U | 0.039U | --- | --- | --- | --- | --- | --- |
| Phenols (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| 2,3,5,6-Tetrachlorophen | --- | --- | --- | --- | --- | --- | --- | 0.00031U | --- | --- | 0.0033U | 0.0021U | 0.033U | 0.033U | 0.00031U | 0.00031U | --- | --- | 0.0004U | 0.0004U |
| 2,3,4,6-Tetrachlorophen | --- | --- | --- | --- | --- | --- | --- | 0.013 | --- | --- | 0.018 | 0.147 | 0.234E | 0.127E | 0.0078 | 0.0027 | --- | --- | 0.0023 | 0.0004U |
| 2,3,4,5-Tetrachlorophen | --- | --- | --- | --- | --- | --- | --- | 0.0035P | --- | --- | 0.02P | 0.124P | 0.0273P | 0.027P | 0.0024P | 0.0017P | --- | --- | 0.0004U | 0.0004U |
| Pentachlorophenol | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| by GC/MS | --- | --- | --- | --- | --- | --- | 790U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| by GC-ECD | --- | --- | --- | --- | --- | --- | --- | 0.137E | --- | --- | 0.19E | 0.838PE | 0.827E | 0.523E | 0.0168PE | 0.0088 | --- | --- | 0.002P | 0.0056 |
| Volatiles (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| Acetone | --- | --- | --- | --- | 1.4U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2-Butanone | --- | --- | --- | --- | 1.9B | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total Xylenes | --- | --- | --- | --- | 1.4U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Semivolatiles (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| 4-Methylphenol | --- | --- | --- | --- | --- | --- | 330U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.4U | 0.39U |
| 1,2,4-Trichlorobenzene | --- | --- | --- | --- | --- | --- | 330U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.4U | 0.39U |
| Naphthalene | --- | --- | --- | --- | --- | --- | 330U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.4U | 0.39U |
| 2-Methylnaphthalene | --- | --- | --- | --- | --- | --- | 330U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.4U | 0.39U |
| Acenaphthylene | --- | --- | --- | --- | --- | --- | 330U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.4U | 0.39U |
| Acenaphthene | --- | --- | --- | --- | --- | --- | 330U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.4U | 0.39U |
| Dibenzofuran | --- | --- | --- | --- | --- | --- | 330U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.4U | 0.39U |
| Fluorene | --- | --- | --- | --- | --- | --- | 330U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.4U | 0.39U |
| 4-Nitroaniline | --- | --- | --- | --- | --- | --- | 790U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.96U | 0.94U |
| Phenanthrene | --- | --- | --- | --- | --- | --- | 330U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.045J | 0.39U |
| Anthracene | --- | --- | --- | --- | --- | --- | 330U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.4U | 0.39U |
| Carbazole | --- | --- | --- | --- | --- | --- | 330U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.4U | 0.39U |
| Fluoranthene | --- | --- | --- | --- | --- | --- | 330U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.046J | 0.043J |
| Pyrene | --- | --- | --- | --- | --- | --- | 38J | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.07J | 0.044J |
| Benzo(a)anthracene | --- | --- | --- | --- | --- | --- | 330U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.4U | 0.39U |
| Chrysene | --- | --- | --- | --- | --- | --- | 330U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.4U | 0.39U |
| bis(2-Ethylhexyl) phthala | --- | --- | --- | --- | --- | --- | 330U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.4U | 0.39U |
| Benzo(b)fluoranthene | --- | --- | --- | --- | --- | --- | 330U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.4U | 0.39U |
| Benzo(k)fluoranthene | --- | --- | --- | --- | --- | --- | 330U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.4U | 0.39U |
| Benzo(a)pyrene | --- | --- | --- | --- | --- | --- | 330U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.4U | 0.39U |
| Indeno(1,2,3-cd)pyrene | --- | --- | --- | --- | --- | --- | 330U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.4U | 0.39U |
| Dibenzo(a,h)-anthracene | --- | --- | --- | --- | --- | --- | 330U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.4U | 0.39U |
| Benzo(g,h,i) perylene | --- | --- | --- | --- | --- | --- | 330U | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.4U | 0.39U |
| Metals (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| Arsenic | --- | --- | --- | --- | --- | --- | 13.3 | --- | --- | 5.2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

TABLE 4 - Summary of East Site Soil Data (Key to Table on Page 13 of 13)

| Spl. No. | B4/S1 | B4/S2 | B4/S3 | B5/S1 | B5/S2 | B5/S3 | B9/S1 | B9/S2 | B9/S3 | B10/S1 | B10/S2 | B10/S3 | B11/S1 | B11/S2 | B11/S3 | TP-201/S1 | TP-201/S2 | TP-202/S1 | TP-202/S2 | TP-203/S1 | |
|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----|
| Depth | 0.5-2.0 | 2.5-4.0 | 5.0-6.5 | 0.5-2.0 | 2.5-4.0 | 5.0-6.5 | 0.5-2.0 | 2.5-4.0 | 5.0-6.5 | 0.5-2.0 | 2.5-4.0 | 5.0-6.5 | 0.5-2.0 | 2.5-4.0 | 5.0-6.5 | 0.5-0.75 | 1.25-1.75 | 0.5-1.0 | 1.5-2.0 | 0.75-1.5 | |
| Source | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | |
| Parameter/Area | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | |
| Petroleum Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| HCID | 1400(a) | 10U(a) | 92(b) | 24(a) | ND(b) | ND(b) | 130 | ND(b) | ND(b) | ND(b) | ND(b) | ND(b) | 10000(b) | 10000(a) | ND(b) | 20(a) | ND(b) | 970(b) | 29(b) | ND(b) | |
| WTPH-G | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| WTPH-DX | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| Diesel Range | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| Heavy Oil | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| EPA 418.1 | 12000 | 83 | --- | 4500 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 10400(a) | --- | 230 | --- | --- | --- | --- | |
| Type | --- | --- | --- | diesel/oil | --- | --- | --- | --- | --- | --- | --- | --- | oil | --- | --- | oil | --- | --- | --- | --- | |
| PCBs/Pesticides (mg/kg) | | | | | | | | | | | | | | | | | | | | | |
| beta-BHC | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| Aldrin | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| 4,4'-DDE | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| Endrin | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| Endosulfan II | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| 4,4'-DDD | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| 4,4'-DDT | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| Methoxychlor | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| Endrin aldehyde | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| alpha-Chlordane | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| gamma-Chlordane | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| Aroclor-1016 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| Aroclor-1242 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| Aroclor-1254 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| Aroclor-1260 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| Phenols (mg/kg) | | | | | | | | | | | | | | | | | | | | | |
| 2,3,5,6-Tetrachlorophen | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| 2,3,4,6-Tetrachlorophen | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| 2,3,4,5-Tetrachlorophen | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| Pentachlorophenol | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| by GC/MS | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| by GC-ECD | 7.8J | 12J | 2.1(b) | 0.32J | ND(b) | ND(b) | --- | --- | --- | --- | --- | --- | ND(b) | 0.96J | --- | 3.2J | ND(b) | --- | --- | --- | |
| Volatiles (mg/kg) | | | | | | | | | | | | | | | | | | | | | |
| Acetone | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| 2-Butanone | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| Total Xylenes | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| Semivolatiles (mg/kg) | | | | | | | | | | | | | | | | | | | | | |
| 4-Methylphenol | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| 1,2,4-Trichlorobenzene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| Naphthalene | 0.033U | 0.066UJ | --- | 0.0093J | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0066UJ | --- | 0.32JB | --- | --- | --- | --- | |
| 2-Methylnaphthalene | 0.077J | 0.066UJ | --- | 0.0066UJ | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0066UJ | --- | 0.087J | --- | --- | --- | --- | |
| Acenaphthylene | 0.033U | 0.066UJ | --- | 0.0066UJ | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0066UJ | --- | 0.043J | --- | --- | --- | --- | |
| Acenaphthene | 0.033U | 0.066UJ | --- | 0.0066UJ | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.035J | --- | 0.040J | --- | --- | --- | --- | |
| Dibenzofuran | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| Fluorene | 0.033U | 0.066UJ | --- | 0.0066UJ | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0066UJ | --- | 0.037J | --- | --- | --- | --- | |
| 4-Nitroaniline | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| Phenanthrene | 0.340J | 0.066UJ | --- | 0.080J | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0066UJ | --- | 0.3J | --- | --- | --- | --- | |
| Anthracene | 0.033U | 0.066UJ | --- | 0.0086J | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.025J | --- | 0.024J | --- | --- | --- | --- | |
| Carbazole | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| Fluoranthene | 0.033U | 0.066UJ | --- | 0.059J | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0066UJ | --- | 0.2J | --- | --- | --- | --- | |
| Pyrene | 0.033U | 0.066UJ | --- | 0.094J | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.15J | --- | 0.15J | --- | --- | --- | --- | |
| Benzo(a)anthracene | 0.033U | 0.066UJ | --- | 0.0066UJ | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0066UJ | --- | 0.0066UJ | --- | --- | --- | --- | |
| Chrysene | 0.033U | 0.066UJ | --- | 0.052J | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0066UJ | --- | 0.022J | --- | --- | --- | --- | |
| bis(2-Ethylhexyl) pthala | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| Benzo(b)fluoranthene | 0.033U | 0.066UJ | --- | 0.0066UJ | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0066UJ | --- | 0.0066UJ | --- | --- | --- | --- | |
| Benzo(k)fluoranthene | 0.033U | 0.066UJ | --- | 0.0066UJ | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.012J | --- | 0.0066UJ | --- | --- | --- | --- | |
| Benzo(a)pyrene | 0.033U | 0.066UJ | --- | 0.0066UJ | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.021J | --- | 0.0066UJ | --- | --- | --- | --- | |
| Indeno(1,2,3-cd)pyrene | 0.033U | 0.066UJ | --- | 0.0066UJ | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0066UJ | --- | 0.0066UJ | --- | --- | --- | --- | |
| Dibenzo(a,h)-anthracene | 0.033U | 0.066UJ | --- | 0.0066UJ | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0066UJ | --- | 0.0066UJ | --- | --- | --- | --- | |
| Benzo(g,h,i) perylene | 0.033U | 0.066UJ | --- | 0.0066UJ | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0066UJ | --- | 0.0066UJ | --- | --- | --- | --- | |
| Metals (mg/kg) | | | | | | | | | | | | | | | | | | | | | |
| Arsenic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

TABLE 4 - Summary of East Site Soil Data (Key to Table on Page 13 of 13)

| Spl. No. | TP-203/S2 | TP-204/S1 | TP-204/S2 | TP-205/S1 | TP-205/S2 | TP-206/S1 | TP-206/S2 | TP-207/S1 | TP-207/S2 | TP-208/S1 | TP-208/S2 | TP-208/S3 |
|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Depth | 1.5-2.0 | 0.0-1.0 | 1.0-1.5 | 0.0-1.0 | 1.0-1.5 | 0.0-0.5 | 0.5-1.0 | 0.0-0.75 | 0.75-2.25 | 0.25-1.0 | 1.0-1.75 | 1.75-2.25 |
| Source | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser | HartCrowser |
| Parameter/Area | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Petroleum Hydrocarbons | | | | | | | | | | | | |
| HCID | ND(b) | 640(a) | 1100(b) | 1800(b) | 240(a) | 340(a) | 230(a) | 1100(a) | 300(a) | 360(a) | 94(a) | 95(a) |
| WTPH-G | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WTPH-DX | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Diesel Range | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Heavy Oil | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EPA 418.1 | --- | 10000(a) | --- | --- | 1800(a) | --- | --- | --- | 1700(a) | --- | --- | --- |
| Type | --- | oil | oil | oil | oil | oil | oil | oil | oil | oil | oil | oil |
| PCBs/Pesticides (mg/kg) | | | | | | | | | | | | |
| beta-BHC | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Aldrin | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4,4'-DDE | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Endrin | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Endosulfan II | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4,4'-DDD | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4,4'-DDT | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Methoxychlor | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Endrinaldehyde | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| alpha Chlordane | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| gamma-Chlordane | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Aroclor-1016 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Aroclor-1242 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Aroclor-1254 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Aroclor-1260 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Phenols (mg/kg) | | | | | | | | | | | | |
| 2,3,5,6-Tetrachlorophen | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2,3,4,6-Tetrachlorophen | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2,3,4,5-Tetrachlorophen | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Pentachlorophenol | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| by GC/MS | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| by GC-ECD | --- | 0.011J | --- | --- | 0.073J | --- | --- | --- | 0.0067UJ | --- | --- | --- |
| Volatiles (mg/kg) | | | | | | | | | | | | |
| Acetone | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2-Butanone | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total Xylenes | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Semivolatiles (mg/kg) | | | | | | | | | | | | |
| 4-Methylphenol | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1,2,4-Trichlorobenzene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Naphthalene | --- | 0.066UJ | --- | --- | 0.340JB | --- | --- | --- | 0.042UJ | --- | --- | --- |
| 2-Methylnaphthalene | --- | 0.017J | --- | --- | 0.11J | --- | --- | --- | 0.0067UJ | --- | --- | --- |
| Acenaphthylene | --- | 0.0066UJ | --- | --- | 0.0097J | --- | --- | --- | 0.0067UJ | --- | --- | --- |
| Acenaphthene | --- | 0.014J | --- | --- | 0.090J | --- | --- | --- | 0.0067UJ | --- | --- | --- |
| Dibenzofuran | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fluorene | --- | 0.018J | --- | --- | 0.084J | --- | --- | --- | 0.0084J | --- | --- | --- |
| 4-Nitroaniline | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Phenanthrene | --- | 0.096J | --- | --- | 0.30J | --- | --- | --- | 0.076J | --- | --- | --- |
| Anthracene | --- | 0.012J | --- | --- | 0.037J | --- | --- | --- | 0.010J | --- | --- | --- |
| Carbazole | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fluoranthene | --- | 0.096J | --- | --- | 0.20J | --- | --- | --- | 0.081J | --- | --- | --- |
| Pyrene | --- | 0.12J | --- | --- | 0.19J | --- | --- | --- | 0.087J | --- | --- | --- |
| Benzo(a)anthracene | --- | 0.040J | --- | --- | 0.052J | --- | --- | --- | 0.015J | --- | --- | --- |
| Chrysene | --- | 0.14J | --- | --- | 0.069J | --- | --- | --- | 0.064J | --- | --- | --- |
| bis(2-Ethylhexyl) phthala | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Benzo(b)fluoranthene | --- | 0.0066UJ | --- | --- | 0.039J | --- | --- | --- | 0.020J | --- | --- | --- |
| Benzo(k)fluoranthene | --- | 0.089J | --- | --- | 0.036J | --- | --- | --- | 0.016J | --- | --- | --- |
| Benzo(a)pyrene | --- | 0.0066UJ | --- | --- | 0.037J | --- | --- | --- | 0.022J | --- | --- | --- |
| Indeno(1,2,3-cd)pyrene | --- | 0.024J | --- | --- | 0.0066UJ | --- | --- | --- | 0.0067UJ | --- | --- | --- |
| Dibenzo(a,h)-anthracene | --- | 0.010J | --- | --- | 0.0066UJ | --- | --- | --- | 0.0067UJ | --- | --- | --- |
| Benzo(g,h,i) perylene | --- | 0.011J | --- | --- | 0.0066UJ | --- | --- | --- | 0.0067UJ | --- | --- | --- |
| Metals (mg/kg) | | | | | | | | | | | | |
| Arsenic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

Key to Table 4

- Y - HCID analysis completed
- N - HCID analysis not completed
- - Compound not analyzed
- U - Not detected at indicated value
- < - Not detected at indicated value
- nd or ND - Not detected (reporting limit not available)
- J - Estimated value
- B - Constituent detected in laboratory blank
- E - Compound exceeded calibration range of instrument
- P - Recovery of standards outside control limits
- (a) Hart Crowser confirmation analysis
- (b) Hart Crowser screening analysis
- T - Total PCBs

TABLE 5 - SUMMARY OF WATER QUALITY DATA - SHALLOW WELLS

Weyerhaeuser East Site
Everett, Washington

| Site | MW-100S 1/21/93 | MW-100S 5/10/93 | MW-100S 10/27/93 | MW-100S 2/94 | MW-100S 9/94 | MW-100S 2/3/95 | MW-101S 1/21/93 | MW-101S 5/10/93 | MW-101S 10/27/93 | MW-101S 2/94 | MW-101S 9/94 | MW-101S 2/3/95 | MW-102S 1/22/93 |
|--|--------------------|--------------------|---------------------|-----------------|-----------------|-------------------|--------------------|--------------------|---------------------|-----------------|-----------------|-------------------|--------------------|
| Petroleum Hydrocarbons (mg/l-ppm) | | | | | | | | | | | | | |
| TPH (as gasoline) | <0.05 | <0.25 | 0.08J | * | * | * | * | * | * | * | * | * | <0.05 |
| TPH (as diesel) | <0.5 | <0.11 | 0.3 | 0.31 | <0.13 | <0.13 | <0.5 | <0.1 | 0.16 | 0.23 | 0.35 | <0.13 | * |
| TPH (as motor oil) | <0.5 | <0.22 | <0.5 | 0.21 | <0.25 | <0.26 | <0.5 | <0.2 | <0.5 | 0.29 | <0.25 | <0.26 | * |
| Volatile Organic Compounds (ug/l-ppb) | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | <10 | * | * | * | * | * | * | * | * | * | * | * | <10 |
| 1,1,2,2-Tetrachloroethane | <10 | * | * | * | * | * | * | * | * | * | * | * | <10 |
| 1,1,2-Trichloroethane | <10 | * | * | * | * | * | * | * | * | * | * | * | <10 |
| 1,1-Dichloroethane | <10 | * | * | * | * | * | * | * | * | * | * | * | <10 |
| 1,1-Dichloroethene | <10 | * | * | * | * | * | * | * | * | * | * | * | <10 |
| 1,2-Dichloroethane | <10 | * | * | * | * | * | * | * | * | * | * | * | <10 |
| 1,2-Dichloroethylene | <10 | * | * | * | * | * | * | * | * | * | * | * | <10 |
| 1,2-Dichloropropane | <10 | * | * | * | * | * | * | * | * | * | * | * | <10 |
| 2-Butanone | <10 | * | * | * | * | * | * | * | * | * | * | * | <10 |
| 2-Hexanone | <10 | * | * | * | * | * | * | * | * | * | * | * | <10 |
| 4-Methyl-2-pentanone | <10 | * | * | * | * | * | * | * | * | * | * | * | <10 |
| Acetone | <10 | * | * | * | * | * | * | * | * | * | * | * | <10 |
| Benzene | <10 | <10 | * | * | * | * | * | * | * | * | * | * | <10 |
| Bromodichloromethane | <10 | * | * | * | * | * | * | * | * | * | * | * | <10 |
| Bromoform | <10 | * | * | * | * | * | * | * | * | * | * | * | <10 |
| Bromomethane | <10 | * | * | * | * | * | * | * | * | * | * | * | <10 |
| Carbon disulfide | <10 | * | * | * | * | * | * | * | * | * | * | * | <10 |
| Carbon tetrachloride | <10 | * | * | * | * | * | * | * | * | * | * | * | <10 |
| Chlorobenzene | <10 | * | * | * | * | * | * | * | * | * | * | * | <10 |
| Chloroethane | <10 | * | * | * | * | * | * | * | * | * | * | * | <10 |
| Chloroform | <10 | * | * | * | * | * | * | * | * | * | * | * | <10 |
| Chloromethane | <10 | * | * | * | * | * | * | * | * | * | * | * | <10 |
| cis-1,3-Dichloropropene | <10 | * | * | * | * | * | * | * | * | * | * | * | <10 |
| Dibromochloromethane | <10 | * | * | * | * | * | * | * | * | * | * | * | <10 |
| Ethylbenzene | <10 | <10 | * | * | * | * | * | * | * | * | * | * | <10 |
| Methylene chloride | <10 | * | * | * | * | * | * | * | * | * | * | * | <10 |
| Styrene | <10 | * | * | * | * | * | * | * | * | * | * | * | <10 |
| Tetrachloroethene | <10 | * | * | * | * | * | * | * | * | * | * | * | <10 |
| Toluene | <10 | <10 | * | * | * | * | * | * | * | * | * | * | <10 |
| Total Xylenes | <10 | <10 | * | * | * | * | * | * | * | * | * | * | <10 |
| trans-1,3-Dichloropropene | <10 | * | * | * | * | * | * | * | * | * | * | * | <10 |
| Trichloroethene | <10 | * | * | * | * | * | * | * | * | * | * | * | <10 |
| Vinyl chloride | <10 | * | * | * | * | * | * | * | * | * | * | * | <10 |

TABLE 5 - SUMMARY OF WATER QUALITY DATA - SHALLOW WELLS

Weyerhaeuser East Site
Everett, Washington

| Site | MW-100S 1/21/93 | MW-100S 5/10/93 | MW-100S 10/27/93 | MW-100S 2/94 | MW-100S 9/94 | MW-100S 2/3/95 | MW-101S 1/21/93 | MW-101S 5/10/93 | MW-101S 10/27/93 | MW-101S 2/94 | MW-101S 9/94 | MW-101S 2/3/95 | MW-102S 1/22/93 |
|---|--------------------|--------------------|---------------------|-----------------|-----------------|-------------------|--------------------|--------------------|---------------------|-----------------|-----------------|-------------------|--------------------|
| Parameter/Sampling Date | | | | | | | | | | | | | |
| Semivolatile Organic Compounds (ug/l-ppb) | | | | | | | | | | | | | |
| 1,2,4-Trichlorobenzene | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * |
| 1,2-Dichlorobenzene | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | <10 |
| 1,3-Dichlorobenzene | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | <10 |
| 1,4-Dichlorobenzene | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | <10 |
| 2,2-oxybis(1-Chloropropane) | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * |
| 2,4,5-Trichlorophenol | <25 | <28 | <37 | * | * | * | <25 | <30 | <30 | * | * | * | * |
| 2,4,6-Trichlorophenol | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * |
| 2,4-Dichlorophenol | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * |
| 2,4-Dimethylphenol | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * |
| 2,4-Dinitrophenol | <25 | <28 | <37 | * | * | * | <25 | <30 | <30 | * | * | * | * |
| 2,4-Dinitrotoluene | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * |
| 2,6-Dinitrotoluene | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * |
| 2-Chloronaphthalene | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * |
| 2-Chlorophenol | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * |
| 2-Methylnaphthalene | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * |
| 2-Methylphenol | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * |
| 2-Nitroaniline | <25 | <28 | <37 | * | * | * | <25 | <30 | <30 | * | * | * | * |
| 2-Nitrophenol | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * |
| 3,3'-Dichlorobenzidine | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * |
| 3-Nitroaniline | <25 | <28 | <37 | * | * | * | <25 | <30 | <30 | * | * | * | * |
| 4,6-Dinitro-2-methylphenol | <25 | <28 | <37 | * | * | * | <25 | <30 | <30 | * | * | * | * |
| 4-Bromophenyl-phenylether | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * |
| 4-Chloro-3-methylphenol | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * |
| 4-Chloroaniline | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * |
| 4-Chlorophenyl-phenylether | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * |
| 4-Methylphenol | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * |
| 4-Nitroaniline | <25 | <28 | <37 | * | * | * | <25 | <30 | <30 | * | * | * | * |
| 4-Nitrophenol | <25 | <28 | <37 | * | * | * | <25 | <30 | <30 | * | * | * | * |
| Acenaphthene | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * |
| Acenaphthylene | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * |
| Anthracene | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * |
| Benzo(a)anthracene | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * |
| Benzo(a)pyrene | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * |
| Benzo(b)fluoranthene | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * |
| Benzo(g,h,i)perylene | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * |
| Benzo(k)fluoranthene | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * |

TABLE 5 - SUMMARY OF WATER QUALITY DATA - SHALLOW WELLS

Weyerhaeuser East Site
Everett, Washington

| Site | MW-100S | MW-100S | MW-100S | MW-100S | MW-100S | MW-100S | MW-100S | MW-100S | MW-100S | MW-101S | MW-101S | MW-101S | MW-101S | MW-101S | MW-101S | MW-102S |
|--|---------|---------|----------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|
| Parameter/Sampling Date | 1/21/93 | 5/10/93 | 10/27/93 | 2/94 | 9/94 | 2/3/95 | 1/21/93 | 5/10/93 | 10/27/93 | 2/94 | 9/94 | 2/3/95 | 1/22/93 | | | |
| Bis(2-chloroethoxy)methane | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * | | | |
| Bis(2-chloroethyl)ether | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * | | | |
| Bis(2-ethylhexyl)phthalate | <10 | <11 | <15 | * | * | * | <10 | <12 | 24UB | * | * | * | * | | | |
| Butylbenzylphthalate | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * | | | |
| Carbazole | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * | | | |
| Chrysene | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * | | | |
| Di-n-butylphthalate | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * | | | |
| Di-n-octyl phthalate | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * | | | |
| Dibenz(a,h)anthracene | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * | | | |
| Dibenzofuran | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * | | | |
| Diethylphthalate | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * | | | |
| Dimethyl phthalate | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * | | | |
| Fluoranthene | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * | | | |
| Fluorene | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * | | | |
| Hexachlorobenzene | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * | | | |
| Hexachlorobutadiene | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * | | | |
| Hexachlorocyclopentadiene | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * | | | |
| Hexachloroethane | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * | | | |
| Indeno(1,2,3-cd)pyrene | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * | | | |
| Isophorone | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * | | | |
| N-Nitroso-di-n-propylamine | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * | | | |
| N-Nitrosodiphenylamine | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * | | | |
| Naphthalene | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * | | | |
| Nitrobenzene | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * | | | |
| Pentachlorophenol | <0.1 | <10 | <37 | * | <20 | * | <25 | <30 | <30 | * | <20 | * | * | | | |
| Phenanthrene | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * | | | |
| Phenol | <10 | <11 | <15 | * | * | * | <10 | <12 | <12 | * | * | * | * | | | |
| Pyrene | <10 | <11 | <15 | * | * | * | * | * | * | * | * | * | * | | | |
| 2,3,4,6-Tetrachlorophenol | <0.1 | <10 | * | * | * | * | * | * | * | * | * | * | * | | | |
| 2,3,5,6-Tetrachlorophenol | <0.1 | <10 | * | * | * | * | * | * | * | * | * | * | * | | | |
| Dioxins/Furans (ng/l - ppb) | | | | | | | | | | | | | | | | |
| 1,2,3,4,6,7,8-Heptachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,4,6,7,8-HpDD | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,4,7,8,9-Heptachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,4,7,8-Hexachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,6,7,8-Hexachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

TABLE 5 - SUMMARY OF WATER QUALITY DATA - SHALLOW WELLS

Weyerhaeuser East Site
Everett, Washington

| Site | MW-100S | MW-100S | MW-100S | MW-100S | MW-100S | MW-100S | MW-100S | MW-100S | MW-101S | MW-101S | MW-101S | MW-101S | MW-101S | MW-101S | MW-101S | MW-101S | MW-102S |
|--|---------|---------|----------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|---------|
| Parameter/Sampling Date | 1/21/93 | 5/10/93 | 10/27/93 | 2/94 | 9/94 | 2/3/95 | 1/21/93 | 5/10/93 | 10/27/93 | 2/94 | 9/94 | 2/3/95 | 1/22/93 | | | | |
| 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,7,8,9-Hexachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,7,8-PeDD | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,7,8-PeDF | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,3,4,6,7,8-Hexachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,3,4,7,8-Pentachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,3,7,8-TCDD | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,3,7,8-TCDF | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| OCDD | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| OCDF | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| PCBs/Pesticides (ug/l - ppb) | | | | | | | | | | | | | | | | | |
| 4,4'-DDD | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4,4'-DDE | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4,4'-DDT | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aldrin | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| alpha-BHC | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| alpha-Chlordane | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Atroclor-1016 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Atroclor-1221 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Atroclor-1232 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Atroclor-1242 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Atroclor-1248 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Atroclor-1254 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Atroclor-1260 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| beta-BHC | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| delta-BHC | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Dieldrin | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endosulfan I | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endosulfan II | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endosulfan sulfate | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endrin | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endrin aldehyde | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endrin ketone | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| gamma-BHC (Lindane) | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| gamma-Chlordane | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Heptachlor | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Heptachlor epoxide | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Methoxychlor | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Toxaphene | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

TABLE 5 - SUMMARY OF WATER QUALITY DATA - SHALLOW WELLS

Weyerhaeuser East Site
Everett, Washington

| Site | MW-100S | MW-100S | MW-100S | MW-100S | MW-100S | MW-100S | MW-100S | MW-100S | MW-101S | MW-101S | MW-101S | MW-101S | MW-101S | MW-101S | MW-101S | MW-102S |
|---|---------|---------|----------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|
| Parameter/Sampling Date | 1/21/93 | 5/10/93 | 10/27/93 | 2/94 | 9/94 | 2/3/95 | 1/21/93 | 5/10/93 | 10/27/93 | 2/94 | 9/94 | 2/94 | 9/94 | 2/3/95 | 1/22/93 | |
| Metals (ug/l-ppb) | | | | | | | | | | | | | | | | |
| Arsenic - Total | * | * | * | * | * | 15.4 | * | * | * | * | * | * | 4.1 | 15.8 | * | * |
| Arsenic - Dissolved | 6 | 4 | 55 | 4 | <3 | 4.3 | 22 | 20 | 35 | 20 | 40 | 40 | 40 | 14.4 | * | * |
| Chromium - Total | * | * | * | * | * | 4.6 | * | * | * | * | * | * | * | 1.3 | * | * |
| Chromium - Dissolved | * | * | * | * | * | 0.82 | * | * | * | * | * | * | * | 0.95 | * | * |
| Copper - Total | * | * | * | * | * | 5.9JB | * | * | * | * | * | * | * | 1.5JB | * | * |
| Copper - Dissolved | * | * | * | * | * | 4.1J | * | * | * | * | * | * | * | 1.8J | * | * |
| Lead - Total | * | * | * | * | * | 3.8 | * | * | * | * | * | * | * | 0.8 | * | * |
| Lead - Dissolved | * | * | * | * | * | <0.7 | * | * | * | * | * | * | * | <0.7 | * | * |
| Conventional Parameters (mg/l-ppm) | | | | | | | | | | | | | | | | |
| Calcium | * | * | * | * | * | 34 | * | * | * | * | * | * | * | 40.8 | * | * |
| Magnesium | * | * | * | * | * | 14.3 | * | * | * | * | * | * | * | 16.5 | * | * |
| Potassium | * | * | * | * | * | <21.1 | * | * | * | * | * | * | * | <52.8 | * | * |
| Sodium | * | * | * | * | * | 84.1 | * | * | * | * | * | * | * | 4.1 | * | * |
| Alkalinity (as CaCO3) | * | * | * | * | * | 240 | * | * | * | * | * | * | * | 200 | * | * |
| Chloride | * | * | * | * | * | 75 | * | * | * | * | * | * | * | 87 | * | * |
| Sulfate | * | * | * | * | * | 13 | * | * | * | * | * | * | * | 4.8 | * | * |
| Total Suspended Solids (TSS) | * | * | * | * | 20 | 89 | * | * | * | * | * | * | 40 | 40 | * | * |

Notes: U - not detected at indicated concentration
 < - not detected at indicated concentration
 * - not analyzed
 J- estimated concentration
 B - constituent detected in laboratory blank

TABLE 5 - SUMMARY OF WATER QUALITY DATA - SHALLOW WELLS

Weyerhaeuser East Site
Everett, Washington

| Site | MW-102S | MW-102S | MW-103S | MW-103S | MW-104S | MW-104S | MW-104S | MW-104S | MW-105S | MW-105S | MW-105S | MW-105S | MW-105S | MW-105S |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|
| Parameter/Sampling Date | 1/25/93 | 5/10/93 | 1/22/93 | 5/10/93 | 1/22/93 | 5/11/93 | 2/94 | 1/22/93 | 5/10/93 | 10/27/93 | 2/94 | 9/94 | 2/3/95 | |
| Area | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| Petroleum Hydrocarbons (mg/l-ppm) | | | | | | | | | | | | | | |
| TPH (as gasoline) | * | <0.25 | <0.05 | <0.25 | * | * | * | * | <0.05 | <0.25 | <0.25UJ | * | * | * |
| TPH (as diesel) | <0.5 | <0.1 | * | * | 1 | 0.4 | 0.45 | 2 | <1 | 0.37 | <1.3 | 0.34 | 0.18 | |
| TPH (as motor oil) | <0.5 | <0.2 | * | * | <0.5 | 0.25 | 0.37 | 3 | <2 | 1.5 | 2.1 | 0.37 | 0.35 | |
| Volatile Organic Compounds (ug/l-ppb) | | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | * | * | <10 | * | * | * | * | <10 | * | * | * | * | * | * |
| 1,1,2,2-Tetrachloroethane | * | * | <10 | * | * | * | * | <10 | * | * | * | * | * | * |
| 1,1,2-Trichloroethane | * | * | <10 | * | * | * | * | <10 | * | * | * | * | * | * |
| 1,1-Dichloroethane | * | * | <10 | * | * | * | * | <10 | * | * | * | * | * | * |
| 1,1-Dichloroethene | * | * | <10 | * | * | * | * | <10 | * | * | * | * | * | * |
| 1,2-Dichloroethane | * | * | <10 | * | * | * | * | <10 | * | * | * | * | * | * |
| 1,2-Dichloroethylene | * | * | <10 | * | * | * | * | <10 | * | * | * | * | * | * |
| 1,2-Dichloropropane | * | * | <10 | * | * | * | * | <10 | * | * | * | * | * | * |
| 2-Butanone | * | * | <10 | * | * | * | * | <10 | * | * | * | * | * | * |
| 2-Hexanone | * | * | <10 | * | * | * | * | <10 | * | * | * | * | * | * |
| 4-Methyl-2-pentanone | * | * | <10 | * | * | * | * | <10 | * | * | * | * | * | * |
| Acetone | * | * | <10 | * | * | * | * | <10 | * | * | * | * | * | * |
| Benzene | * | <10 | <10 | <10 | * | * | * | <10 | <10 | * | * | * | * | * |
| Bromodichloromethane | * | * | <10 | * | * | * | * | <10 | * | * | * | * | * | * |
| Bromoform | * | * | <10 | * | * | * | * | <10 | * | * | * | * | * | * |
| Bromomethane | * | * | <10 | * | * | * | * | <10 | * | * | * | * | * | * |
| Carbon disulfide | * | * | <10 | * | * | * | * | <10 | * | * | * | * | * | * |
| Carbon tetrachloride | * | * | <10 | * | * | * | * | <10 | * | * | * | * | * | * |
| Chlorobenzene | * | * | <10 | * | * | * | * | <10 | * | * | * | * | * | * |
| Chloroethane | * | * | <10 | * | * | * | * | <10 | * | * | * | * | * | * |
| Chloroform | * | * | <10 | * | * | * | * | <10 | * | * | * | * | * | * |
| Chloromethane | * | * | <10 | * | * | * | * | <10 | * | * | * | * | * | * |
| cis-1,3-Dichloropropene | * | * | <10 | * | * | * | * | <10 | * | * | * | * | * | * |
| Dibromochloromethane | * | * | <10 | * | * | * | * | <10 | * | * | * | * | * | * |
| Ethylbenzene | * | <10 | <10 | <10 | * | * | * | <10 | <10 | * | * | * | * | * |
| Methylene chloride | * | * | <10 | * | * | * | * | <10 | * | * | * | * | * | * |
| Styrene | * | * | <10 | * | * | * | * | <10 | * | * | * | * | * | * |
| Tetrachloroethene | * | * | <10 | * | * | * | * | <10 | * | * | * | * | * | * |
| Toluene | * | <10 | <10 | <10 | * | * | * | <10 | <10 | * | * | * | * | * |
| Total Xylenes | * | <10 | <10 | <10 | * | * | * | <10 | <10 | * | * | * | * | * |
| trans-1,3-Dichloropropene | * | * | <10 | * | * | * | * | <10 | * | * | * | * | * | * |
| Trichloroethene | * | * | <10 | * | * | * | * | <10 | * | * | * | * | * | * |
| Vinyl chloride | * | * | <10 | * | * | * | * | <10 | * | * | * | * | * | * |

TABLE 5 - SUMMARY OF WATER QUALITY DATA - SHALLOW WELLS

Weyerhaeuser East Site
Everett, Washington

| Site | MW-102S | MW-103S | MW-104S | MW-104S | MW-104S | MW-104S | MW-104S | MW-104S | MW-105S | MW-105S | MW-105S | MW-105S | MW-105S | MW-105S | MW-105S | MW-105S |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|---------|---------|
| Parameter/Sampling Date | 1/25/93 | 5/10/93 | 1/22/93 | 5/10/93 | 1/22/93 | 5/11/93 | 2/94 | 1/22/93 | 5/10/93 | 10/27/93 | 2/94 | 9/94 | 2/94 | 9/94 | 2/3/95 | |
| Semivolatile Organic Compounds (u) | | | | | | | | | | | | | | | | |
| 1,2,4-Trichlorobenzene | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | * | * | * |
| 1,2-Dichlorobenzene | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | * | * | * |
| 1,3-Dichlorobenzene | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | * | * | * |
| 1,4-Dichlorobenzene | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | * | * | * |
| 2,2-oxbis(1-Chloropropane) | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | * | * | * |
| 2,4,5-Trichlorophenol | <26 | <27 | <26 | <27 | <25 | <28 | * | <25 | <30 | <33 | * | * | * | * | * | * |
| 2,4,6-Trichlorophenol | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | * | * | * |
| 2,4-Dichlorophenol | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | * | * | * |
| 2,4-Dimethylphenol | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | * | * | * |
| 2,4-Dinitrophenol | <26 | <27 | <26 | <27 | <25 | <28 | * | <25 | <30 | <33 | * | * | * | * | * | * |
| 2,4-Dinitrotoluene | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | * | * | * |
| 2,6-Dinitrotoluene | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | * | * | * |
| 2-Chloronaphthalene | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | * | * | * |
| 2-Chlorophenol | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | * | * | * |
| 2-Methylnaphthalene | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | * | * | * |
| 2-Methylphenol | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | * | * | * |
| 2-Nitroaniline | <26 | <27 | <26 | <27 | <25 | <28 | * | <25 | <30 | <33 | * | * | * | * | * | * |
| 2-Nitrophenol | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | * | * | * |
| 3,3'-Dichlorobenzidine | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | * | * | * |
| 3-Nitroaniline | <26 | <27 | <26 | <27 | <25 | <28 | * | <25 | <30 | <33 | * | * | * | * | * | * |
| 4,6-Dinitro-2-methylphenol | <26 | <27 | <26 | <27 | <25 | <28 | * | <25 | <30 | <33 | * | * | * | * | * | * |
| 4-Bromophenyl-phenylether | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | * | * | * |
| 4-Chloro-3-methylphenol | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | * | * | * |
| 4-Chloroaniline | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | * | * | * |
| 4-Chlorophenyl-phenylether | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | * | * | * |
| 4-Methylphenol | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | * | * | * |
| 4-Nitroaniline | <26 | <27 | <26 | <27 | <25 | <28 | * | <25 | <30 | <33 | * | * | * | * | * | * |
| 4-Nitrophenol | <26 | <27 | <26 | <27 | <25 | <28 | * | <25 | <30 | <33 | * | * | * | * | * | * |
| Acenaphthene | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | * | * | * |
| Acenaphthylene | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | * | * | * |
| Anthracene | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | * | * | * |
| Benzo(a)anthracene | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | * | * | * |
| Benzo(a)pyrene | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | * | * | * |
| Benzo(b)fluoranthene | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | * | * | * |
| Benzo(g,h,i)perylene | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | * | * | * |
| Benzo(k)fluoranthene | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | * | * | * |

TABLE 5 - SUMMARY OF WATER QUALITY DATA - SHALLOW WELLS

Weyerhaeuser East Site
Everett, Washington

| Site | MW-102S | MW-102S | MW-102S | MW-102S | MW-103S | MW-103S | MW-103S | MW-104S | MW-104S | MW-104S | MW-104S | MW-105S | MW-105S | MW-105S | MW-105S | MW-105S | MW-105S |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|---------|
| Parameter/Sampling Date | 1/25/93 | 5/10/93 | 1/22/93 | 5/10/93 | 1/22/93 | 5/10/93 | 1/22/93 | 5/11/93 | 2/94 | 1/22/93 | 5/10/93 | 10/27/93 | 2/94 | 9/94 | 2/3/95 | | |
| Bis(2-chloroethoxy)methane | <10 | <11 | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | | |
| Bis(2-chloroethyl)ether | <10 | <11 | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | | |
| Bis(2-ethylhexyl)phthalate | 3 | <11 | 2 | 1 | 5 | 3 | 1 | 3 | * | <10 | <12 | <13 | * | * | * | | |
| Butylbenzylphthalate | <10 | <11 | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | | |
| Carbazole | <10 | <11 | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | | |
| Chrysene | <10 | <11 | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | | |
| Di-n-butylphthalate | 2 | <11 | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | | |
| Di-n-octyl phthalate | <10 | <11 | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | | |
| Dibenz(a,h)anthracene | <10 | <11 | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | | |
| Dibenzofuran | <10 | <11 | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | | |
| Diethylphthalate | <10 | <11 | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | | |
| Dimethyl phthalate | <10 | <11 | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | | |
| Fluoranthene | <10 | <11 | <10 | <11 | <10 | <11 | <10 | <11 | * | 3 | 2 | 12 | * | * | * | | |
| Fluorene | <10 | <11 | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | | |
| Hexachlorobenzene | <10 | <11 | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | | |
| Hexachlorobutadiene | <10 | <11 | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | | |
| Hexachlorocyclopentadiene | <10 | <11 | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | | |
| Hexachloroethane | <10 | <11 | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | | |
| Indeno(1,2,3-cd)pyrene | <10 | <11 | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | | |
| Isophorone | <10 | <11 | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | | |
| N-Nitroso-di-n-propylamine | <10 | <11 | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | | |
| N-Nitrosodiphenylamine | <10 | <11 | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | | |
| Naphthalene | <10 | <11 | <10 | <11 | <10 | <11 | <10 | <11 | * | 4 | 2 | 10 | * | * | * | | |
| Nitrobenzene | <10 | <11 | <10 | <11 | <10 | <11 | <10 | <11 | * | <10 | <12 | <13 | * | * | * | | |
| Pentachlorophenol | <0.1 | <10 | 0.05 | <10 | <25 | <28 | <10 | <11 | * | <10 | <30 | <33 | * | <20 | * | | |
| Phenanthrene | <10 | <11 | <10 | <11 | <10 | <11 | <10 | <11 | * | 2 | 1 | 8 | * | * | * | | |
| Phenol | <10 | <11 | <10 | <11 | <10 | <11 | <10 | <11 | * | 2 | <12 | 4 | * | * | * | | |
| Pyrene | <10 | <11 | <10 | <11 | <10 | <11 | <10 | <11 | * | 4 | 2 | 10 | * | * | * | | |
| 2,3,4,6-Tetrachlorophenol | <0.1 | * | <0.1 | <10 | * | * | <0.1 | * | * | * | * | * | * | * | * | | |
| 2,3,5,6-Tetrachlorophenol | <0.1 | <10 | <0.1 | <10 | * | * | <0.1 | * | * | * | * | * | * | * | * | | |
| Dioxins/Furans (ng/L - ppt) | | | | | | | | | | | | | | | | | |
| 1,2,3,4,6,7,8-Heptachlorodibenzofuran | * | * | 0.647 | * | 0.473 | * | 13.5 | * | * | * | * | * | * | * | * | | |
| 1,2,3,4,6,7,8-HpDD | * | * | 10.4 | * | 1.77 | * | 39.1 | * | * | * | * | * | * | * | * | | |
| 1,2,3,4,7,8,9-Heptachlorodibenzofuran | * | * | 0.014 | * | <0.001 | * | 0.277 | * | * | * | * | * | * | * | * | | |
| 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin | * | * | 0.232 | * | 0.039 | * | <0.058 | * | * | * | * | * | * | * | * | | |
| 1,2,3,4,7,8-Hexachlorodibenzofuran | * | * | <0.005 | * | <0.002 | * | <0.016 | * | * | * | * | * | * | * | * | | |
| 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin | * | * | 0.292 | * | 0.05 | * | 4.22 | * | * | * | * | * | * | * | * | | |
| 1,2,3,6,7,8-Hexachlorodibenzofuran | * | * | <0.003 | * | <0.001 | * | 1.7 | * | * | * | * | * | * | * | * | | |

TABLE 5 - SUMMARY OF WATER QUALITY DATA - SHALLOW WELLS

Weyerhaeuser East Site
Everett, Washington

| Site | MW-102S | MW-102S | MW-103S | MW-103S | MW-104S | MW-104S | MW-104S | MW-104S | MW-105S | MW-105S | MW-105S | MW-105S | MW-105S | MW-105S | MW-105S |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|
| Parameter/Sampling Date | 1/25/93 | 5/10/93 | 1/22/93 | 5/10/93 | 1/22/93 | 5/11/93 | 5/11/93 | 2/94 | 1/22/93 | 5/10/93 | 10/27/93 | 2/94 | 9/94 | 2/3/95 | MW-105S |
| 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin | * | * | 0.064 | * | 0.018 | * | * | * | 2.76 | * | * | * | * | * | * |
| 1,2,3,7,8,9-Hexachlorodibenzofuran | * | * | <0.005 | * | <0.002 | * | * | * | <0.034 | * | * | * | * | * | * |
| 1,2,3,7,8-PeDD | * | * | 0.023 | * | <0.001 | * | * | * | <0.011 | * | * | * | * | * | * |
| 1,2,3,7,8-PeDF | * | * | <0.002 | * | <0.002 | * | * | * | 0.419 | * | * | * | * | * | * |
| 2,3,4,6,7,8-Hexachlorodibenzofuran | * | * | <0.004 | * | <0.002 | * | * | * | <0.026 | * | * | * | * | * | * |
| 2,3,4,7,8-Pentachlorodibenzofuran | * | * | <0.002 | * | <0.002 | * | * | * | 1.03 | * | * | * | * | * | * |
| 2,3,7,8-TCDD | * | * | <0.001 | * | <0.001 | * | * | * | <0 | * | * | * | * | * | * |
| 2,3,7,8-TCDF | * | * | 0.012 | * | 0.012 | * | * | * | <5.22 | * | * | * | * | * | * |
| OCDD | * | * | 42.1 | * | 11.4 | * | * | * | 458 | * | * | * | * | * | * |
| OCDF | * | * | 1.12 | * | 0.675 | * | * | * | 34.1 | * | * | * | * | * | * |
| PCBs/Pesticides (ug/l - ppb) | | | | | | | | | | | | | | | |
| 4,4'-DDD | * | * | <0.1 | * | <0.1 | * | * | * | <0.1 | * | * | * | * | * | * |
| 4,4'-DDE | * | * | <0.1 | * | <0.1 | * | * | * | <0.1 | * | * | * | * | * | * |
| 4,4'-DDT | * | * | <0.1 | * | <0.1 | * | * | * | <0.1 | * | * | * | * | * | * |
| Aldrin | * | * | 0.011 | * | <0.05 | * | * | * | <0.052 | * | * | * | * | * | * |
| alpha-BHC | * | * | <0.052 | * | <0.05 | * | * | * | <0.052 | * | * | * | * | * | * |
| alpha-Chlordane | * | * | <0.1 | * | <0.1 | * | * | * | <0.1 | * | * | * | * | * | * |
| Atroclor-1016 | * | * | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1UJ | <1 | <1 | <1 | <1 | <1 |
| Atroclor-1221 | * | * | <2.1 | <4 | <2 | <2 | <2 | * | <2.1 | <2 | <2 | * | * | * | * |
| Atroclor-1232 | * | * | <1 | <2 | <1 | <1 | <1 | * | <1 | <1 | <1 | * | * | * | * |
| Atroclor-1242 | * | * | <1 | <2 | <1 | <1 | <1 | * | <1 | <1 | <1 | * | * | * | * |
| Atroclor-1248 | * | * | <1 | <2 | <1 | <1 | <1 | * | <1 | <1 | <1 | * | * | * | * |
| Atroclor-1254 | * | * | <1 | <2 | <1 | <1 | <1 | * | 0.42 | <1 | <1 | * | * | * | * |
| Atroclor-1260 | * | * | <1 | <2 | <1 | <1 | <1 | * | <1 | <1 | <1 | * | * | * | * |
| beta-BHC | * | * | <0.052 | * | <0.05 | * | * | * | <0.052 | * | * | * | * | * | * |
| delta-BHC | * | * | <0.052 | * | <0.05 | * | * | * | <0.052 | * | * | * | * | * | * |
| Dieldrin | * | * | <0.1 | * | <0.1 | * | * | * | <0.1 | * | * | * | * | * | * |
| Endosulfan I | * | * | <0.052 | * | <0.05 | * | * | * | <0.052 | * | * | * | * | * | * |
| Endosulfan II | * | * | <0.1 | * | <0.1 | * | * | * | <0.1 | * | * | * | * | * | * |
| Endosulfan sulfate | * | * | <0.1 | * | <0.1 | * | * | * | <0.1 | * | * | * | * | * | * |
| Endrin | * | * | <0.1 | * | <0.1 | * | * | * | <0.1 | * | * | * | * | * | * |
| Endrin aldehyde | * | * | <0.1 | * | <0.1 | * | * | * | <0.1 | * | * | * | * | * | * |
| Endrin ketone | * | * | <0.1 | * | <0.1 | * | * | * | <0.1 | * | * | * | * | * | * |
| gamma-BHC (Lindane) | * | * | <0.052 | * | <0.05 | * | * | * | <0.052 | * | * | * | * | * | * |
| gamma-Chlordane | * | * | <0.1 | * | <0.1 | * | * | * | <0.1 | * | * | * | * | * | * |
| Heptachlor | * | * | <0.052 | * | <0.05 | * | * | * | <0.052 | * | * | * | * | * | * |
| Heptachlor epoxide | * | * | <0.052 | * | <0.05 | * | * | * | <0.052 | * | * | * | * | * | * |
| Methoxychlor | * | * | <0.52 | * | <0.5 | * | * | * | <0.52 | * | * | * | * | * | * |
| Toxaphene | * | * | <5.2 | * | <5 | * | * | * | <5.2 | * | * | * | * | * | * |

TABLE 5 - SUMMARY OF WATER QUALITY DATA - SHALLOW WELLS

Weyerhaeuser East Site
Everett, Washington

| Site | MW-102S | MW-102S | MW-103S | MW-103S | MW-104S | MW-104S | MW-104S | MW-105S | MW-105S | MW-105S | MW-105S | MW-105S | MW-105S | |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|---------|-------------------|---------|
| Parameter/Sampling Date | 1/25/93 | 5/10/93 | 1/22/93 | 5/10/93 | 1/22/93 | 5/11/93 | 2/94 | 1/22/93 | 5/10/93 | 10/27/93 | 2/94 | 9/94 | MW-105S 2/3/95 | |
| Metals (ug/l-ppb) | | | | | | | | | | | | | | |
| Arsenic - Total | * | * | * | * | * | * | * | * | * | * | * | * | * | 2.1 |
| Arsenic - Dissolved | 7 | 8 | 16 | 19 | 40 | 24 | 32 | 6 | 3 | 9 | <3 | 4 | 4 | 2.4 |
| Chromium - Total | * | * | * | * | * | * | * | * | * | * | * | * | * | 2.5 |
| Chromium - Dissolved | * | * | * | * | * | * | * | * | * | * | * | * | * | 2.2 |
| Copper - Total | * | * | * | * | * | * | * | * | * | * | * | * | * | 23.7 JB |
| Copper - Dissolved | * | * | * | * | * | * | * | * | * | * | * | * | * | 10.7 J |
| Lead - Total | * | * | * | * | * | * | * | * | * | * | * | * | * | 4.5 |
| Lead - Dissolved | * | * | * | * | * | * | * | * | * | * | * | * | * | 1.6 |
| Conventional Parameters (mg/l-ppm) | | | | | | | | | | | | | | |
| Calcium | * | * | * | * | * | * | * | * | * | * | * | * | * | 87.8 |
| Magnesium | * | * | * | * | * | * | * | * | * | * | * | * | * | 16.5 |
| Potassium | * | * | * | * | * | * | * | * | * | * | * | * | * | <10.6 |
| Sodium | * | * | * | * | * | * | * | * | * | * | * | * | * | 14.3 |
| Alkalinity (as CaCO3) | * | * | * | * | * | * | * | * | * | * | * | * | * | 320 |
| Chloride | * | * | * | * | * | * | * | * | * | * | * | * | * | 7.4 |
| Sulfate | * | * | * | * | * | * | * | * | * | * | * | * | * | 24 |
| Total Suspended Solids (TSS) | * | * | * | * | * | * | * | * | * | * | * | * | 72 | 5 |

Notes: U - not detected at indicated concentration
 < - not detected at indicated concentration
 * - not analyzed
 J - estimated concentration
 B - constituent detected in laboratory blank

TABLE 5 - SUMMARY OF WATER QUALITY DATA - SHALLOW WELLS

Weyerhaeuser East Site
Everett, Washington

| Site | MW-106S 1/21/93 | MW-106S 5/11/93 | MW-106S 10/28/93 | MW-106S 9/94 | MW-106S 2/94 | MW-106S 9/94 | MW-106S 2/3/95 | MW-107S 1/20/93 | MW-107S 1/21/93 | MW-107S 5/11/93 | MW-107S 10/28/93 | MW-107S 2/94 | MW-107S 9/94 |
|--|--------------------|--------------------|---------------------|-----------------|-----------------|-----------------|-------------------|--------------------|--------------------|--------------------|---------------------|-----------------|-----------------|
| Parameter/Sampling Date | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 10 |
| Petroleum Hydrocarbons (mg/l-ppm) | | | | | | | | | | | | | |
| TPH (as gasoline) | <0.05 | <0.25 | <0.05UJ | * | * | * | * | 0.33 | * | <0.25 | 1.4J | * | * |
| TPH (as diesel) | <0.5 | <0.1 | <0.13 | <1.3 | <0.13 | <0.13 | <0.13 | * | 20 | 1.9 | 1.5 | 8.5 | 1.3 |
| TPH (as motor oil) | <0.5 | <0.2 | <0.5 | <1.3 | <0.25 | <0.25 | <0.26 | * | 4 | 0.91 | <0.5 | 5.7 | 0.64 |
| Volatile Organic Compounds (ug/l-ppb) | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | <10 | * | * | * | * | * | * | <10 | * | * | * | * | * |
| 1,1,2,2-Tetrachloroethane | <10 | * | * | * | * | * | * | <10 | * | * | * | * | * |
| 1,1,2-Trichloroethane | <10 | * | * | * | * | * | * | <10 | * | * | * | * | * |
| 1,1-Dichloroethane | <10 | * | * | * | * | * | * | <10 | * | * | * | * | * |
| 1,1-Dichloroethene | <10 | * | * | * | * | * | * | <10 | * | * | * | * | * |
| 1,2-Dichloroethane | <10 | * | * | * | * | * | * | <10 | * | * | * | * | * |
| 1,2-Dichloroethylene | <10 | * | * | * | * | * | * | <10 | * | * | * | * | * |
| 1,2-Dichloropropane | <10 | * | * | * | * | * | * | <10 | * | * | * | * | * |
| 2-Butanone | <10 | * | * | * | * | * | * | <10 | * | * | * | * | * |
| 2-Hexanone | <10 | * | * | * | * | * | * | <10 | * | * | * | * | * |
| 4-Methyl-2-pentanone | <10 | * | * | * | * | * | * | <10 | * | * | * | * | * |
| Acetone | 12 | * | * | * | * | * | * | 15 | * | * | * | * | * |
| Benzene | <10 | <10 | * | * | * | * | * | <10 | * | <10 | * | * | * |
| Bromodichloromethane | <10 | * | * | * | * | * | * | <10 | * | * | * | * | * |
| Bromoform | <10 | * | * | * | * | * | * | <10 | * | * | * | * | * |
| Bromomethane | <10 | * | * | * | * | * | * | <10 | * | * | * | * | * |
| Carbon disulfide | <10 | * | * | * | * | * | * | <10 | * | * | * | * | * |
| Carbon tetrachloride | <10 | * | * | * | * | * | * | <10 | * | * | * | * | * |
| Chlorobenzene | <10 | * | * | * | * | * | * | <10 | * | * | * | * | * |
| Chloroethane | <10 | * | * | * | * | * | * | <10 | * | * | * | * | * |
| Chloroform | <10 | * | * | * | * | * | * | <10 | * | * | * | * | * |
| Chloromethane | <10 | * | * | * | * | * | * | <10 | * | * | * | * | * |
| cis-1,3-Dichloropropene | <10 | * | * | * | * | * | * | <10 | * | * | * | * | * |
| Dibromochloromethane | <10 | * | * | * | * | * | * | <10 | * | <10 | * | * | * |
| Ethylbenzene | <10 | <10 | * | * | * | * | * | <10 | * | * | * | * | * |
| Methylene chloride | 5 | * | * | * | * | * | * | <10 | * | * | * | * | * |
| Styrene | <10 | * | * | * | * | * | * | <10 | * | * | * | * | * |
| Tetrachloroethene | <10 | * | * | * | * | * | * | <10 | * | <10 | * | * | * |
| Toluene | <10 | <10 | * | * | * | * | * | <10 | * | <10 | * | * | * |
| Total Xylenes | <10 | <10 | * | * | * | * | * | <10 | * | <10 | * | * | * |
| trans-1,3-Dichloropropene | <10 | * | * | * | * | * | * | <10 | * | * | * | * | * |
| Trichloroethene | <10 | * | * | * | * | * | * | <10 | * | * | * | * | * |
| Vinyl chloride | <10 | * | * | * | * | * | * | <10 | * | * | * | * | * |

TABLE 5 - SUMMARY OF WATER QUALITY DATA - SHALLOW WELLS

Weyerhaeuser East Site
Everett, Washington

| Site Parameter/Sampling Date | MW-106S | MW-106S | MW-106S | MW-106S | MW-106S | MW-106S | MW-106S | MW-106S | MW-106S | MW-107S | MW-107S | MW-107S | MW-107S | MW-107S | MW-107S |
|-----------------------------------|---------|---------|----------|---------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|---------|
| | 1/21/93 | 5/11/93 | 10/28/93 | 2/94 | 9/94 | 2/3/95 | 1/20/93 | 1/21/93 | 5/11/93 | 10/28/93 | 2/94 | 9/94 | | | |
| Sanitizable Organic Compounds (u) | | | | | | | | | | | | | | | |
| 1,2,4-Trichlorobenzene | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2-Dichlorobenzene | <10 | <12 | <13 | * | * | * | <10 | * | * | * | * | * | * | * | * |
| 1,3-Dichlorobenzene | <10 | <12 | <13 | * | * | * | <10 | * | * | * | * | * | * | * | * |
| 1,4-Dichlorobenzene | <10 | <12 | <13 | * | * | * | <10 | * | * | * | * | * | * | * | * |
| 2,2-oxybis(1-Chloropropane) | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,4,5-Trichlorophenol | <25 | <30 | <33 | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,4,6-Trichlorophenol | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,4-Dichlorophenol | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,4-Dimethylphenol | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,4-Dinitrophenol | <25 | <30 | <33 | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,4-Dinitrotoluene | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,6-Dinitrotoluene | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * |
| 2-Chloronaphthalene | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * |
| 2-Chlorophenol | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * |
| 2-Methylnaphthalene | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * |
| 2-Methylphenol | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * |
| 2-Nitroaniline | <25 | <30 | <33 | * | * | * | * | * | * | * | * | * | * | * | * |
| 2-Nitrophenol | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * |
| 3,3'-Dichlorobenzidine | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * |
| 3-Nitroaniline | <25 | <30 | <33 | * | * | * | * | * | * | * | * | * | * | * | * |
| 4,6-Dinitro-2-methylphenol | <25 | <30 | <33 | * | * | * | * | * | * | * | * | * | * | * | * |
| 4-Bromophenyl-phenylether | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * |
| 4-Chloro-3-methylphenol | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * |
| 4-Chloroaniline | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * |
| 4-Chlorophenyl-phenylether | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * |
| 4-Methylphenol | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * |
| 4-Nitroaniline | <25 | <30 | <33 | * | * | * | * | * | * | * | * | * | * | * | * |
| 4-Nitrophenol | <25 | <30 | <33 | * | * | * | * | * | * | * | * | * | * | * | * |
| Acenaphthene | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * |
| Acenaphthylene | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * |
| Anthracene | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * |
| Benzo(a)anthracene | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * |
| Benzo(a)pyrene | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * |
| Benzo(b)fluoranthene | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * |
| Benzo(g,h,i)perylene | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * |
| Benzo(k)fluoranthene | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * |

TABLE 5 - SUMMARY OF WATER QUALITY DATA - SHALLOW WELLS

Weyerhaeuser East Site
Everett, Washington

| Site Parameter/Sampling Date | MW-106S | | MW-106S | | MW-106S | | MW-106S | | MW-106S | | MW-107S | | MW-107S | | MW-107S | | | | |
|--|---------|---------|----------|------|---------|--------|---------|---------|---------|----------|---------|------|---------|---------|---------|----------|------|------|---|
| | 1/21/93 | 5/11/93 | 10/28/93 | 2/94 | 9/94 | 2/3/95 | 1/20/93 | 1/21/93 | 5/11/93 | 10/28/93 | 2/94 | 9/94 | 1/20/93 | 1/21/93 | 5/11/93 | 10/28/93 | 2/94 | 9/94 | |
| Bis(2-chloroethoxy)methane | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Bis(2-chloroethyl)ether | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Bis(2-ethylhexyl)phthalate | 2 | <12 | 2UB | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Butylbenzylphthalate | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Carbazole | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Chrysene | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Di-n-butylphthalate | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Di-n-octyl phthalate | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Dibenz(a,h)anthracene | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Dibenzofuran | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Diethylphthalate | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Dimethyl phthalate | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Fluoranthene | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Fluorene | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Hexachlorobenzene | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Hexachlorobutadiene | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Hexachlorocyclopentadiene | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Hexachloroethane | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Indeno(1,2,3-cd)pyrene | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Isophorone | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| N-Nitroso-di-n-propylamine | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| N-Nitrosodiphenylamine | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Naphthalene | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Nitrobenzene | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Pentachlorophenol | <25 | <30 | <33 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Phenanthrene | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Phenol | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Pyrene | <10 | <12 | <13 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,3,4,6-Tetrachlorophenol | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,3,5,6-Tetrachlorophenol | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Dioxins/Furans (ng/l - ppt) | | | | | | | | | | | | | | | | | | | |
| 1,2,3,4,6,7,8-Heptachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,4,6,7,8-HpDD | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,4,7,8,9-Heptachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,4,7,8-Hexachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,6,7,8-Hexachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

TABLE 5 - SUMMARY OF WATER QUALITY DATA - SHALLOW WELLS

Weyerhaeuser East Site
Everett, Washington

| Site | MW-106S | MW-106S | MW-106S | MW-106S | MW-106S | MW-106S | MW-106S | MW-106S | MW-107S | MW-107S | MW-107S | MW-107S | MW-107S | MW-107S | MW-107S |
|--|---------|---------|----------|---------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|---------|
| Parameter/Sampling Date | 1/21/93 | 5/11/93 | 10/28/93 | 2/94 | 9/94 | 2/3/95 | 1/20/93 | 1/21/93 | 5/11/93 | 10/28/93 | MW-107S | MW-107S | MW-107S | MW-107S | MW-107S |
| 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,7,8,9-Hexachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,7,8-PeDD | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,7,8-PeDF | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,3,4,6,7,8-Hexachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,3,4,7,8-Pentachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,3,7,8-TCDD | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,3,7,8-TCDF | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| OCDD | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| OCDF | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| PCBs/Pesticides (ug/l - ppb) | | | | | | | | | | | | | | | |
| 4,4'-DDD | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4,4'-DDE | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4,4'-DDT | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aldrin | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| alpha-BHC | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| alpha-Chlordane | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1016 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1221 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1232 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1242 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1248 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1254 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1260 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| beta-BHC | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| delta-BHC | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Dieldrin | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endosulfan I | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endosulfan II | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endosulfan sulfate | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endrin | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endrin aldehyde | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endrin ketone | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| gamma-BHC (Lindane) | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| gamma-Chlordane | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Heptachlor | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Heptachlor epoxide | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Methoxychlor | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Toxaphene | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

TABLE 5 - SUMMARY OF WATER QUALITY DATA - SHALLOW WELLS

Weyerhaeuser East Site
Everett, Washington

| Site | MW-106S | MW-106S | MW-106S | MW-106S | MW-106S | MW-106S | MW-106S | MW-106S | MW-107S | MW-107S | MW-107S | MW-107S | MW-107S | MW-107S | MW-107S |
|---|---------|---------|----------|---------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|---------|
| Parameter/Sampling Date | 1/21/93 | 5/11/93 | 10/28/93 | 2/94 | 9/94 | 2/3/95 | 1/20/93 | 1/21/93 | 5/11/93 | 10/28/93 | 2/94 | 9/94 | | | |
| Metals (ug/l;ppb) | | | | | | | | | | | | | | | |
| Arsenic - Total | 16 | 9 | 38 | 15 | 60 | 46.9 | 71 | * | * | * | * | * | * | * | * |
| Arsenic - Dissolved | * | * | * | * | * | 8 | * | * | 57 | 89 | 70 | 55 | * | * | * |
| Chromium - Total | * | * | * | * | * | 2.4 | * | * | * | * | * | * | * | * | * |
| Chromium - Dissolved | * | * | * | * | * | 1.1 | * | * | * | * | * | * | * | * | * |
| Copper - Total | * | * | * | * | * | 6.3JB | * | * | * | * | * | * | * | * | * |
| Copper - Dissolved | * | * | * | * | * | 6.6J | * | * | * | * | * | * | * | * | * |
| Lead - Total | * | * | * | * | * | 3.6 | * | * | * | * | * | * | * | * | * |
| Lead - Dissolved | * | * | * | * | * | <0.7 | * | * | * | * | * | * | * | * | * |
| Conventional Parameters (mg/l;ppm) | | | | | | | | | | | | | | | |
| Calcium | * | * | * | * | * | 93.2 | * | * | * | * | * | * | * | * | * |
| Magnesium | * | * | * | * | * | 4.49 | * | * | * | * | * | * | * | * | * |
| Potassium | * | * | * | * | * | <52.8 | * | * | * | * | * | * | * | * | * |
| Sodium | * | * | * | * | * | 12.2 | * | * | * | * | * | * | * | * | * |
| Alkalinity (as CaCO3) | * | * | * | * | * | 280 | * | * | * | * | * | * | * | * | * |
| Chloride | * | * | * | * | * | 6.9 | * | * | * | * | * | * | * | * | * |
| Sulfate | * | * | * | * | * | 26 | * | * | * | * | * | * | * | * | * |
| Total Suspended Solids (TSS) | * | * | * | * | 8 | 94 | * | * | * | * | * | * | * | * | 140 |

Notes:
 U - not detected at indicated concentration
 < - not detected at indicated concentration
 * - not analyzed
 J - estimated concentration
 B - constituent detected in laboratory blank

TABLE 5 - SUMMARY OF WATER QUALITY DATA - SHALLOW WELLS

Weyerhaeuser East Site
Everett, Washington

| Site | MW-107S | MW-108S | MW-108S | MW-108S | MW-108S | MW-108S | MW-108S | MW-108S | MW-108S | MW-109S | MW-109S | MW-109S | MW-109S | MW-109S | MW-109S |
|--------------------------------------|---------|---------|---------|----------|---------|---------|---------|---------|---------|----------|---------|---------|---------|----------|---------|
| Parameter/Sampling Date | 2/3/95 | 1/20/93 | 5/11/93 | 10/27/93 | 2/94 | 9/94 | 2/3/95 | 1/20/93 | 5/11/93 | 10/28/93 | 2/94 | 9/94 | 2/14/95 | 10/28/93 | 9/94 |
| Area | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Petroleum Hydrocarbons (mg/l-ppm) | | | | | | | | | | | | | | | |
| TPH (as gasoline) | * | * | * | * | * | * | * | * | * | <0.05UJ | * | * | * | * | * |
| TPH (as diesel) | 2.4 | <0.5 | <1 | <0.13 | <1.3 | <0.13 | 0.75 | <0.5 | 0.23 | <0.13 | 4.2 | 0.21 | 0.67 | <0.5 | 0.21 |
| TPH (as motor oil) | 0.74 | 3 | <2 | <0.5 | 2.5 | <0.25 | 1.1 | 2 | 0.77 | <0.5 | 9 | 0.55 | 0.85 | <0.5 | 0.55 |
| Volatile Organic Compounds (ug/l-pp) | | | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | * | <10 | * | * | * | * | * | <10 | * | * | * | * | * | * | * |
| 1,1,2,2-Tetrachloroethane | * | <10 | * | * | * | * | * | <10 | * | * | * | * | * | * | * |
| 1,1,2-Trichloroethane | * | <10 | * | * | * | * | * | <10 | * | * | * | * | * | * | * |
| 1,1-Dichloroethane | * | <10 | * | * | * | * | * | <10 | * | * | * | * | * | * | * |
| 1,1-Dichloroethene | * | <10 | * | * | * | * | * | <10 | * | * | * | * | * | * | * |
| 1,2-Dichloroethane | * | <10 | * | * | * | * | * | <10 | * | * | * | * | * | * | * |
| 1,2-Dichloroethylene | * | <10 | * | * | * | * | * | <10 | * | * | * | * | * | * | * |
| 1,2-Dichloropropane | * | <10 | * | * | * | * | * | <10 | * | * | * | * | * | * | * |
| 2-Butanone | * | <10 | * | * | * | * | * | <10 | * | * | * | * | * | * | * |
| 2-Hexanone | * | <10 | * | * | * | * | * | <10 | * | * | * | * | * | * | * |
| 4-Methyl-2-pentanone | * | <10 | * | * | * | * | * | <10 | * | * | * | * | * | * | * |
| Acetone | * | <10 | * | * | * | * | * | 26 | * | * | * | * | * | * | * |
| Benzene | * | <10 | * | * | * | * | * | <10 | <10 | * | * | * | * | * | * |
| Bromodichloromethane | * | <10 | * | * | * | * | * | <10 | * | * | * | * | * | * | * |
| Bromoform | * | <10 | * | * | * | * | * | <10 | * | * | * | * | * | * | * |
| Bromomethane | * | <10 | * | * | * | * | * | <10 | * | * | * | * | * | * | * |
| Carbon disulfide | * | <10 | * | * | * | * | * | <10 | * | * | * | * | * | * | * |
| Carbon tetrachloride | * | <10 | * | * | * | * | * | <10 | * | * | * | * | * | * | * |
| Chlorobenzene | * | <10 | * | * | * | * | * | <10 | * | * | * | * | * | * | * |
| Chloroethane | * | <10 | * | * | * | * | * | <10 | * | * | * | * | * | * | * |
| Chloroform | * | <10 | * | * | * | * | * | <10 | * | * | * | * | * | * | * |
| Chloromethane | * | <10 | * | * | * | * | * | <10 | * | * | * | * | * | * | * |
| cis-1,3-Dichloropropene | * | <10 | * | * | * | * | * | <10 | * | * | * | * | * | * | * |
| Dibromochloromethane | * | <10 | * | * | * | * | * | <10 | * | * | * | * | * | * | * |
| Ethylbenzene | * | <10 | * | * | * | * | * | <10 | <10 | * | * | * | * | * | * |
| Methylene chloride | * | <10 | * | * | * | * | * | <10 | * | * | * | * | * | * | * |
| Styrene | * | <10 | * | * | * | * | * | <10 | * | * | * | * | * | * | * |
| Tetrachloroethene | * | <10 | * | * | * | * | * | <10 | * | * | * | * | * | * | * |
| Toluene | * | <10 | * | * | * | * | * | <10 | <10 | * | * | * | * | * | * |
| Total Xylenes | * | <10 | * | * | * | * | * | <10 | <10 | * | * | * | * | * | * |
| trans-1,3-Dichloropropene | * | <10 | * | * | * | * | * | <10 | * | * | * | * | * | * | * |
| Trichloroethene | * | <10 | * | * | * | * | * | <10 | * | * | * | * | * | * | * |
| Vinyl chloride | * | <10 | * | * | * | * | * | <10 | * | * | * | * | * | * | * |

TABLE 5 - SUMMARY OF WATER QUALITY DATA - SHALLOW WELLS

Weyerhaeuser East Site
Everett, Washington

| Site | MW-107S | MW-108S | MW-108S | MW-108S | MW-108S | MW-108S | MW-108S | MW-108S | MW-108S | MW-108S | MW-109S | MW-109S | MW-109S | MW-109S | MW-109S | MW-109S | MW-109S |
|--|---------|---------|---------|----------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|
| Parameter/Sampling Date | 2/3/95 | 1/20/93 | 5/11/93 | 10/27/93 | 2/94 | 9/94 | 2/3/95 | 1/20/93 | 5/11/93 | 10/28/93 | 2/94 | 9/94 | 2/14/95 | | | | |
| Semi-volatile Organic Compounds (u) | | | | | | | | | | | | | | | | | |
| 1,2,4-Trichlorobenzene | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | | |
| 1,2-Dichlorobenzene | * | <10 | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | | |
| 1,3-Dichlorobenzene | * | <10 | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | | |
| 1,4-Dichlorobenzene | * | <10 | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | | |
| 2,2-oxybis(1-Chloropropane) | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | | |
| 2,4,5-Trichlorophenol | * | * | * | * | * | * | * | <25 | <28 | <30 | * | * | * | | | | |
| 2,4,6-Trichlorophenol | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | | |
| 2,4-Dichlorophenol | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | | |
| 2,4-Dimethylphenol | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | | |
| 2,4-Dinitrophenol | * | * | * | * | * | * | * | <25 | <28 | <30 | * | * | * | | | | |
| 2,4-Dinitrotoluene | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | | |
| 2,6-Dinitrotoluene | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | | |
| 2-Chloronaphthalene | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | | |
| 2-Chlorophenol | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | | |
| 2-Methylnaphthalene | * | * | * | * | * | * | * | 1 | <11 | <12 | * | * | * | | | | |
| 2-Methylphenol | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | | |
| 2-Nitroaniline | * | * | * | * | * | * | * | <25 | <28 | <30 | * | * | * | | | | |
| 2-Nitrophenol | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | | |
| 3,3'-Dichlorobenzidine | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | | |
| 3-Nitroaniline | * | * | * | * | * | * | * | <25 | <28 | <30 | * | * | * | | | | |
| 4,6-Dinitro-2-methylphenol | * | * | * | * | * | * | * | <25 | <28 | <30 | * | * | * | | | | |
| 4-Bromophenyl-phenylether | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | | |
| 4-Chloro-3-methylphenol | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | | |
| 4-Chloroaniline | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | | |
| 4-Chlorophenyl-phenylether | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | | |
| 4-Methylphenol | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | | |
| 4-Nitroaniline | * | * | * | * | * | * | * | <25 | <28 | <30 | * | * | * | | | | |
| 4-Nitrophenol | * | * | * | * | * | * | * | <25 | <28 | <30 | * | * | * | | | | |
| Acenaphthene | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | | |
| Acenaphthylene | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | | |
| Anthracene | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | | |
| Benzo(a)anthracene | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | | |
| Benzo(a)pyrene | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | | |
| Benzo(b)fluoranthene | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | | |
| Benzo(g,h,i)perylene | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | | |
| Benzo(k)fluoranthene | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | | |

TABLE 5 - SUMMARY OF WATER QUALITY DATA - SHALLOW WELLS

Weyerhaeuser East Site
Everett, Washington

| Site | MW-107S | MW-108S | MW-108S | MW-108S | MW-108S | MW-108S | MW-108S | MW-108S | MW-108S | MW-108S | MW-109S | MW-109S | MW-109S | MW-109S | MW-109S | MW-109S |
|--|---------|---------|---------|----------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|---------|---------|
| Parameter/Sampling Date | 2/3/95 | 1/20/93 | 5/11/93 | 10/27/93 | 2/94 | 9/94 | 2/3/95 | 1/20/93 | 5/11/93 | 10/28/93 | 2/94 | 9/94 | 2/14/95 | | | |
| Bis(2-chloroethoxy)methane | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | |
| Bis(2-chloroethyl)ether | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | |
| Bis(2-ethylhexyl)phthalate | * | * | * | * | * | * | * | 5 | <11 | 6UB | * | * | * | | | |
| Butylbenzylphthalate | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | |
| Carbazole | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | |
| Chrysene | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | |
| Di-n-butylphthalate | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | |
| Di-n-octyl phthalate | * | * | * | * | * | * | * | 4 | <11 | 3 | * | * | * | | | |
| Dibenz(a,h)anthracene | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | |
| Dibenzofuran | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | |
| Diethylphthalate | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | |
| Dimethyl phthalate | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | |
| Fluoranthene | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | |
| Fluorene | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | |
| Hexachlorobenzene | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | |
| Hexachlorobutadiene | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | |
| Hexachlorocyclopentadiene | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | |
| Hexachloroethane | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | |
| Indeno(1,2,3-cd)pyrene | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | |
| Isophorone | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | |
| N-Nitroso-di-n-propylamine | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | |
| N-Nitrosodiphenylamine | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | |
| Naphthalene | * | * | * | * | * | * | * | 7 | 2 | <12 | * | * | * | | | |
| Nitrobenzene | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | |
| Pentachlorophenol | * | * | * | * | * | <20 | * | <0.1 | <10 | <30 | * | * | * | | | |
| Phenanthrene | * | * | * | * | * | * | * | 2 | <11 | <12 | * | * | * | | | |
| Phenol | * | * | * | * | * | * | * | 1 | <11 | <12 | * | * | * | | | |
| Pyrene | * | * | * | * | * | * | * | <10 | <11 | <12 | * | * | * | | | |
| 2,3,4,6-Tetrachlorophenol | * | * | * | * | * | * | * | <0.1 | <10 | * | * | * | * | | | |
| 2,3,5,6-Tetrachlorophenol | * | * | * | * | * | * | * | <0.1 | <10 | * | * | * | * | | | |
| Dioxins/Furans (ng/l - ppt) | | | | | | | | | | | | | | | | |
| 1,2,3,4,6,7,8-Heptachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | | | |
| 1,2,3,4,6,7,8-HpDD | * | * | * | * | * | * | * | * | * | * | * | * | * | | | |
| 1,2,3,4,7,8,9-Heptachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | | | |
| 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin | * | * | * | * | * | * | * | * | * | * | * | * | * | | | |
| 1,2,3,4,7,8-Hexachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | | | |
| 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin | * | * | * | * | * | * | * | * | * | * | * | * | * | | | |
| 1,2,3,6,7,8-Hexachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | | | |

TABLE 5 - SUMMARY OF WATER QUALITY DATA - SHALLOW WELLS

Weyerhaeuser East Site
Everett, Washington

| Site | MW-107S | MW-108S | MW-108S | MW-108S | MW-108S | MW-108S | MW-108S | MW-108S | MW-108S | MW-109S | MW-109S | MW-109S | MW-109S | MW-109S | MW-109S |
|--|---------|---------|---------|----------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|---------|
| Parameter/Sampling Date | 2/3/95 | 1/20/93 | 5/11/93 | 10/27/93 | 2/94 | 9/94 | 2/3/95 | 1/20/93 | 5/11/93 | 10/28/93 | 2/94 | 9/94 | 2/14/95 | | |
| 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin | * | * | * | * | * | * | * | * | * | * | * | * | * | * | |
| 1,2,3,7,8,9-Hexachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | * | |
| 1,2,3,7,8-PeDD | * | * | * | * | * | * | * | * | * | * | * | * | * | * | |
| 1,2,3,7,8-PeDF | * | * | * | * | * | * | * | * | * | * | * | * | * | * | |
| 2,3,4,6,7,8-Hexachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | * | |
| 2,3,4,7,8-Pentachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | * | |
| 2,3,7,8-TCDD | * | * | * | * | * | * | * | * | * | * | * | * | * | * | |
| 2,3,7,8-TCDF | * | * | * | * | * | * | * | * | * | * | * | * | * | * | |
| OCDD | * | * | * | * | * | * | * | * | * | * | * | * | * | * | |
| OCDF | * | * | * | * | * | * | * | * | * | * | * | * | * | * | |
| PCBs/Pesticides (ug/l - ppb) | | | | | | | | | | | | | | | |
| 4,4'-DDD | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4,4'-DDE | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4,4'-DDT | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aldrin | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| alpha-BHC | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| alpha-Chlordane | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1016 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1221 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1232 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1242 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1248 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1254 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1260 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| beta-BHC | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| delta-BHC | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Dieldrin | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endosulfan I | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endosulfan II | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endosulfan sulfate | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endrin | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endrin aldehyde | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endrin ketone | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| gamma-BHC (Lindane) | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| gamma-Chlordane | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Heptachlor | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Heptachlor epoxide | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Methoxychlor | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Toxaphene | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

TABLE 5 - SUMMARY OF WATER QUALITY DATA - SHALLOW WELLS

Weyerhaeuser East Site
Everett, Washington

| Site | MW-107S | MW-108S | MW-108S | MW-108S | MW-108S | MW-108S | MW-108S | MW-108S | MW-109S | MW-109S | MW-109S | MW-109S | MW-109S | MW-109S | MW-109S |
|---|---------|---------|---------|----------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|---------|
| Parameter/Sampling Date | 2/3/95 | 1/20/93 | 5/11/93 | 10/27/93 | 2/94 | 9/94 | 2/3/95 | 1/20/93 | 5/11/93 | 10/28/93 | 2/94 | 9/94 | 2/14/95 | | |
| Metals (µg/l-ppb) | | | | | | | | | | | | | | | |
| Arsenic - Total | 33.4 | * | * | * | * | 5 | 10 | * | * | * | * | 16 | 3.1 | | |
| Arsenic - Dissolved | 28.1 | 10 | 6 | 8 | 3 | 4 | 1.4 | 7 | 6 | * | 14 | 12 | 3 | | |
| Chromium - Total | 4.7 | * | * | * | * | * | 6.9 | * | * | * | * | * | <2.9 | | |
| Chromium - Dissolved | 1.2 | * | * | * | * | * | 1.6 | * | * | * | * | * | <2.9 | | |
| Copper - Total | 4.3 JB | * | * | * | * | * | 12.6 JB | * | * | * | * | * | <3.8 | | |
| Copper - Dissolved | 1.6 J | * | * | * | * | * | 3.3 J | * | * | * | * | * | 5.2 J | | |
| Lead - Total | 5.4 | * | * | * | * | * | 14.2 | * | * | * | * | * | 8.4 J | | |
| Lead - Dissolved | <0.7 | * | * | * | * | * | <0.7 | * | * | * | * | * | 1 | | |
| Conventional Parameters (mg/l-ppm) | | | | | | | | | | | | | | | |
| Calcium | 30.3 | * | * | * | * | * | 51.7 | * | * | * | * | * | 39 | | |
| Magnesium | 11.8 | * | * | * | * | * | 12.5 | * | * | * | * | * | 12.5 | | |
| Potassium | <52.8 | * | * | * | * | * | <52.8 | * | * | * | * | * | 5.55 | | |
| Sodium | 34.9 | * | * | * | * | * | 19.9 | * | * | * | * | * | 18.5 | | |
| Alkalinity (as CaCO3) | 180 | * | * | * | * | * | 170 | * | * | * | * | * | 120 | | |
| Chloride | 29 | * | * | * | * | * | 7.2 | * | * | * | * | * | 7.2 | | |
| Sulfate | 6 | * | * | * | * | * | 73 | * | * | * | * | * | 86 | | |
| Total Suspended Solids (TSS) | 110 | * | * | * | * | 30 | 370 | * | * | * | * | 20 | 7 | | |

Notes: U - not detected at indicated concentration
 < - not detected at indicated concentration
 * - not analyzed
 J- estimated concentration
 B - constituent detected in laboratory blank

TABLE 5 - SUMMARY OF WATER QUALITY DATA - SHALLOW WELLS

Weyerhaeuser East Site
Everett, Washington

| Site | WP-2 | WP-3 | WP-4 | WP-5 | WP-R1 | WP-R2 | HC-4 | HC-4 | HC-11 | HC-11 | HC-11 | HC-11 | HC-11 | |
|--|---------------|---------------|----------------|---------------|------------|------------|--------------|---------------|--------------|---------------|---------------|--------------|--------------|--------------|
| | 12-30-92 6 | 12-30-92 5 | 12-30-92 10 | 12-30-92 3 | 10/93 3 | 10/93 3 | 8-18-92 3 | 10-16-92 3 | 8-18-92 3 | 10-16-92 3 | 11/18/92 3 | 2/17/93 3 | 5/17/93 3 | 8/16/93 3 |
| Petroleum Hydrocarbons (mg/l-ppm) | | | | | | | | | | | | | | |
| TPH (as gasoline) | <0.05 | <0.05 | <0.05 | <0.05 | * | * | <0.05 | * | <0.05 | * | <0.05 | <0.05 | <0.05 | <0.05 |
| TPH (as diesel) | <3 | 3 | <3 | <3 | * | * | <0.2 | * | <0.2 | * | <0.2 | <0.25 | <0.13 | <0.13 |
| TPH (as motor oil) | <3 | <3 | <3 | <3 | * | * | <0.2 | * | <0.2 | * | 0.13 | <0.25 | <0.25 | <0.5 |
| Volatile Organic Compounds (ug/l-ppb) | | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| 1,1,2,2-Tetrachloroethane | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| 1,1,2-Trichloroethane | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| 1,1-Dichloroethane | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| 1,1-Dichloroethene | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| 1,2-Dichloroethane | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| 1,2-Dichloroethylene | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| 1,2-Dichloropropane | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| 2-Butanone | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| 2-Hexanone | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| 4-Methyl-2-pentanone | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| Acetone | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| Benzene | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| Bromodichloromethane | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| Bromoform | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| Bromomethane | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| Carbon disulfide | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| Carbon tetrachloride | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| Chlorobenzene | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| Chloroethane | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| Chloroform | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| Chloromethane | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| cis-1,3-Dichloropropene | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| Dibromochloromethane | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| Ethylbenzene | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| Methylene chloride | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| Styrene | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| Tetrachloroethene | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| Toluene | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| Total Xylenes | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| trans-1,3-Dichloropropene | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| Trichloroethene | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |
| Vinyl chloride | <10 | <10 | <10 | <10 | * | * | <10 | * | <10 | * | <10 | <10 | <10 | * |

TABLE 5 - SUMMARY OF WATER QUALITY DATA - SHALLOW WELLS

Weyerhaeuser East Site
Everett, Washington

| Site | WP-2 | WP-3 | WP-4 | WP-5 | WP-R1 | WP-R2 | HC-4 | HC-4 | HC-4 | HC-11 | HC-11 | HC-11 | HC-11 | HC-11 | HC-11 |
|---|----------|----------|----------|----------|-------|-------|---------|----------|----------|---------|----------|----------|---------|---------|---------|
| Parameter/Sampling Date | 12-30-92 | 12-30-92 | 12-30-92 | 12-30-92 | 10/93 | 10/93 | 8-18-92 | 10-16-92 | 10-16-92 | 8-18-92 | 10-16-92 | 11/18/92 | 2/17/93 | 5/17/93 | 8/16/93 |
| Semivolatile Organic Compounds (u) | | | | | | | | | | | | | | | |
| 1,2,4-Trichlorobenzene | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | <0.02 | * | <0.01 | <0.011 | <0.01 | <0.01 |
| 1,2-Dichlorobenzene | <10 | <10 | <10 | <10 | <11 | <11 | <0.02 | * | <0.01 | <0.02 | * | <0.01 | <0.011 | <0.01 | <0.01 |
| 1,3-Dichlorobenzene | <10 | <10 | <10 | <10 | <11 | <11 | <0.02 | * | <0.01 | <0.02 | * | <0.01 | <0.011 | <0.01 | <0.01 |
| 1,4-Dichlorobenzene | <10 | <10 | <10 | <10 | <11 | <11 | <0.02 | * | <0.01 | <0.02 | * | <0.01 | <0.011 | <0.01 | <0.01 |
| 2,2-oxybis(1-Chloropropane) | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | <0.02 | * | <0.01 | <0.011 | <0.01 | <0.01 |
| 2,4,5-Trichlorophenol | <26 | <26 | * | * | <28 | <28 | <0.05 | * | <0.026 | <0.05 | * | <0.026 | <0.028 | <0.025 | <0.025 |
| 2,4,6-Trichlorophenol | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | <0.02 | * | <0.01 | <0.011 | <0.01 | <0.01 |
| 2,4-Dichlorophenol | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | <0.02 | * | <0.01 | <0.011 | <0.01 | <0.01 |
| 2,4-Dimethylphenol | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | <0.02 | * | <0.01 | <0.011 | <0.01 | <0.01 |
| 2,4-Dinitrophenol | <26 | <26 | * | * | <28 | <28 | <0.05 | * | <0.026 | <0.05 | * | <0.026 | <0.028 | <0.025 | <0.025 |
| 2,4-Dinitrotoluene | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | <0.02 | * | <0.01 | <0.011 | <0.01 | <0.01 |
| 2,4-Dinitrotoluene | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | <0.02 | * | <0.01 | <0.011 | <0.01 | <0.01 |
| 2,6-Dinitrotoluene | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | <0.02 | * | <0.01 | <0.011 | <0.01 | <0.01 |
| 2-Chloronaphthalene | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | <0.02 | * | <0.01 | <0.011 | <0.01 | <0.01 |
| 2-Chlorophenol | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | <0.02 | * | <0.01 | <0.011 | <0.01 | <0.01 |
| 2-Methylnaphthalene | <10 | <10 | * | * | 5J | <11 | <0.02 | * | <0.01 | <0.02 | * | <0.01 | <0.011 | <0.01 | <0.01 |
| 2-Methylphenol | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | <0.02 | * | <0.01 | <0.011 | <0.01 | <0.01 |
| 2-Nitroaniline | <26 | <26 | * | * | <28 | <28 | <0.05 | * | <0.026 | <0.05 | * | <0.026 | <0.028 | <0.025 | <0.025 |
| 2-Nitrophenol | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | <0.02 | * | <0.01 | <0.011 | <0.01 | <0.01 |
| 3,3'-Dichlorobenzidine | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | <0.02 | * | <0.01 | <0.011 | <0.01 | <0.01 |
| 3-Nitroaniline | <26 | <26 | * | * | <28 | <28 | <0.05 | * | <0.026 | <0.05 | * | <0.026 | <0.028 | <0.025 | <0.025 |
| 4,6-Dinitro-2-methylphenol | <26 | <26 | * | * | <28 | <28 | <0.05 | * | <0.026 | <0.05 | * | <0.026 | <0.028 | <0.025 | <0.025 |
| 4-Bromophenyl-phenylether | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | <0.02 | * | <0.01 | <0.011 | <0.01 | <0.01 |
| 4-Chloro-3-methylphenol | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | <0.02 | * | <0.01 | <0.011 | <0.01 | <0.01 |
| 4-Chloroaniline | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | <0.02 | * | <0.01 | <0.011 | <0.01 | <0.01 |
| 4-Chlorophenyl-phenylether | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | <0.02 | * | <0.01 | <0.011 | <0.01 | <0.01 |
| 4-Methylphenol | 1J | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | <0.02 | * | <0.01 | <0.011 | <0.01 | <0.01 |
| 4-Nitroaniline | <26 | <26 | * | * | <28 | <28 | <0.05 | * | <0.026 | <0.05 | * | <0.026 | <0.028 | <0.025 | <0.025 |
| 4-Nitrophenol | <26 | <26 | * | * | <28 | <28 | <0.05 | * | <0.026 | <0.05 | * | <0.026 | <0.028 | <0.025 | <0.025 |
| Acenaphthene | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | <0.02 | * | <0.01 | <0.011 | <0.01 | <0.01 |
| Acenaphthylene | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | <0.02 | * | <0.01 | <0.011 | <0.01 | <0.01 |
| Anthracene | <10 | <10 | * | * | 3J | <11 | <0.02 | * | <0.01 | <0.02 | * | <0.01 | <0.011 | <0.01 | <0.01 |
| Benzo(a)anthracene | <10 | <10 | * | * | 3J | <11 | <0.02 | * | <0.01 | <0.02 | * | <0.01 | <0.011 | <0.01 | <0.01 |
| Benzo(a)pyrene | <10 | <10 | * | * | 3J | <11 | <0.02 | * | <0.01 | <0.02 | * | <0.01 | <0.011 | <0.01 | <0.01 |
| Benzo(b)fluoranthene | <10 | <10 | * | * | 4J | <11 | <0.02 | * | <0.01 | <0.02 | * | <0.01 | <0.011 | <0.01 | <0.01 |
| Benzo(g,h,i)perylene | <10 | <10 | * | * | 2J | <11 | <0.02 | * | <0.01 | <0.02 | * | <0.01 | <0.011 | <0.01 | <0.01 |
| Benzo(k)fluoranthene | <10 | <10 | * | * | 2J | <11 | <0.02 | * | <0.01 | <0.02 | * | <0.01 | <0.011 | <0.01 | <0.01 |

TABLE 5 - SUMMARY OF WATER QUALITY DATA - SHALLOW WELLS

Weyerhaeuser East Site
Everett, Washington

| Site | WP-2 | WP-3 | WP-4 | WP-5 | WP-R1 | WP-R2 | HC-4 | HC-4 | HC-11 | HC-11 | HC-11 | HC-11 | HC-11 |
|--|----------|----------|----------|----------|-------|-------|---------|----------|----------|----------|---------|---------|---------|
| Parameter/Sampling Date | 12-30-92 | 12-30-92 | 12-30-92 | 12-30-92 | 10/93 | 10/93 | 8-18-92 | 10-16-92 | 11/18/92 | 10-16-92 | 2/17/93 | 5/17/93 | 8/16/93 |
| Bis(2-chloroethoxy)methane | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | * | <0.011 | <0.01 | <0.01 |
| Bis(2-chloroethyl)ether | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | * | <0.011 | <0.01 | <0.01 |
| Bis(2-ethylhexyl)phthalate | 85J | 25J | * | * | 69 | 8J | <0.02 | * | <0.01 | * | <0.011 | <0.01 | <0.01 |
| Butylbenzylphthalate | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | * | <0.011 | <0.01 | <0.01 |
| Carbazole | <10 | <10 | * | * | 4J | <11 | <0.02 | * | <0.01 | * | <0.011 | <0.01 | <0.01 |
| Chrysene | <10 | <10 | * | * | 6J | <11 | <0.02 | * | <0.01 | * | <0.011 | <0.01 | <0.01 |
| Di-n-butylphthalate | <10 | <10 | * | * | <11 | 10J | <0.02 | * | <0.01 | * | <0.011 | <0.01 | <0.01 |
| Di-n-octyl phthalate | <10 | <10 | * | * | 11J | <11 | <0.02 | * | <0.01 | * | <0.011 | <0.01 | <0.01 |
| Dibenz(a,h)anthracene | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | * | <0.011 | <0.01 | <0.01 |
| Dibenzofuran | <10 | <10 | * | * | 1J | <11 | <0.02 | * | <0.01 | * | <0.011 | <0.01 | <0.01 |
| Diethylphthalate | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | * | <0.011 | <0.01 | <0.01 |
| Dimethyl phthalate | <10 | <10 | * | * | 1J | <11 | <0.02 | * | <0.01 | * | <0.011 | <0.01 | <0.01 |
| Fluoranthene | <10 | <10 | * | * | 9J | <11 | <0.02 | * | <0.01 | * | <0.011 | <0.01 | <0.01 |
| Fluorene | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | * | <0.011 | <0.01 | <0.01 |
| Hexachlorobenzene | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | * | <0.011 | <0.01 | <0.01 |
| Hexachlorobutadiene | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | * | <0.011 | <0.01 | <0.01 |
| Hexachlorocyclopentadiene | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | * | <0.011 | <0.01 | <0.01 |
| Hexachloroethane | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | * | <0.011 | <0.01 | <0.01 |
| Indeno(1,2,3-cd)pyrene | <10 | <10 | * | * | 2J | <11 | <0.02 | * | <0.01 | * | <0.011 | <0.01 | <0.01 |
| Isophorone | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | * | <0.011 | <0.01 | <0.01 |
| N-Nitroso-di-n-propylamine | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | * | <0.011 | <0.01 | <0.01 |
| N-Nitrosodiphenylamine | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | * | <0.011 | <0.01 | <0.01 |
| Naphthalene | 5J | 2J | * | * | 7J | <11 | <0.02 | * | <0.01 | * | <0.011 | <0.01 | <0.01 |
| Nitrobenzene | <10 | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | * | <0.011 | <0.01 | <0.01 |
| Pentachlorophenol | 1J | 26U | * | * | 8J | <28 | <0.05 | * | <0.026 | * | <0.028 | <0.025 | <0.025 |
| Phenanthrene | <10 | <10 | * | * | 9J | <11 | <0.02 | * | <0.01 | * | <0.011 | <0.01 | <0.01 |
| Phenol | 1J | <10 | * | * | <11 | <11 | <0.02 | * | <0.01 | * | <0.011 | <0.01 | <0.01 |
| Pyrene | <10 | <10 | * | * | 7J | <11 | <0.02 | * | <0.01 | * | <0.011 | <0.01 | <0.01 |
| 2,3,4,6-Tetrachlorophenol | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,3,5,6-Tetrachlorophenol | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Dioxins/Furans (ngl - ppt) | | | | | | | | | | | | | |
| 1,2,3,4,6,7,8-Heptachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,4,6,7,8-HpDD | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,4,7,8,9-Heptachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,4,7,8-Hexachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,6,7,8-Hexachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * |

TABLE 5 - SUMMARY OF WATER QUALITY DATA - SHALLOW WELLS

Weyerhaeuser East Site
Everett, Washington

| Site | WP-2 | WP-3 | WP-4 | WP-5 | WP-R1 | WP-R2 | HC-4 | HC-4 | HC-4 | HC-4 | HC-11 | HC-11 | HC-11 | HC-11 | HC-11 | HC-11 |
|--|----------|----------|----------|----------|-------|-------|---------|----------|----------|---------|----------|----------|---------|---------|---------|-------|
| Parameter/Sampling Date | 12-30-92 | 12-30-92 | 12-30-92 | 12-30-92 | 10/93 | 10/93 | 8-18-92 | 10-16-92 | 11/19/92 | 8-18-92 | 10-16-92 | 11/18/92 | 2/17/93 | 5/17/93 | 8/16/93 | |
| 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,7,8,9-Hexachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,7,8-PeDD | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,7,8-PeDF | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,3,4,6,7,8-Hexachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,3,4,7,8-Pentachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,3,7,8-TCDD | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,3,7,8-TCDF | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| OCDD | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| OCDF | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| PCBs/Pesticides (ug/l - ppb) | | | | | | | | | | | | | | | | |
| 4,4'-DDD | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4,4'-DDE | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4,4'-DDT | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aldrin | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| alpha-BHC | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| alpha-Chlordane | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1016 | 0.783 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1221 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1232 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1242 | 12 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1248 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1254 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1260 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| beta-BHC | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| delta-BHC | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Dieldrin | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endosulfan I | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endosulfan II | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endosulfan sulfate | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endrin | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endrin aldehyde | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endrin ketone | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| gamma-BHC (Lindane) | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| gamma-Chlordane | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Heptachlor | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Heptachlor epoxide | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Methoxychlor | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Toxaphene | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

TABLE 5 - SUMMARY OF WATER QUALITY DATA - SHALLOW WELLS

Weyerhaeuser East Site
Everett, Washington

| Site | WP-2 | WP-3 | WP-4 | WP-5 | WP-R1 | WP-R2 | HC-4 | HC-4 | HC-4 | HC-11 | HC-11 | HC-11 | HC-11 | HC-11 | HC-11 | |
|---|----------|----------|----------|----------|-------|-------|---------|----------|----------|---------|----------|----------|---------|---------|---------|--|
| Parameter/Sampling Date | 12-30-92 | 12-30-92 | 12-30-92 | 12-30-92 | 10/93 | 10/93 | 8-18-92 | 10-16-92 | 11/19/92 | 8-18-92 | 10-16-92 | 11/18/92 | 2/17/93 | 5/17/93 | 8/16/93 | |
| Metals (ug/l-ppb) | | | | | | | | | | | | | | | | |
| Arsenic - Total | * | * | * | * | * | * | 1940 | 1410 | 20 | 438 | 309 | 572 | * | * | * | |
| Arsenic - Dissolved | * | * | * | * | * | * | 2400 | 1500 | 3.3 | 450 | 307 | 450 | * | * | * | |
| Chromium - Total | * | * | * | * | * | * | 12.8 | * | <2.9 | <4.0 | * | 11.1 | * | * | * | |
| Chromium - Dissolved | * | * | * | * | * | * | <2.9 | * | <2.9 | <2.9 | * | <4.5 | * | * | * | |
| Copper - Total | * | * | * | * | * | * | <24.2 | * | <14.6 | <3.9 | * | <14.6 | * | * | * | |
| Copper - Dissolved | * | * | * | * | * | * | <3.4 | * | <11.4 | <3.4 | * | <4.3 | * | * | * | |
| Lead - Total | * | * | * | * | * | * | 5.4 | * | <1.6 | <2.2 | * | <15.9 | * | * | * | |
| Lead - Dissolved | * | * | * | * | * | * | <2.1 | * | <0.9 | <4.2 | * | <0.5 | * | * | * | |
| Conventional Parameters (mg/l-ppm) | | | | | | | | | | | | | | | | |
| Calcium | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | |
| Magnesium | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | |
| Potassium | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | |
| Sodium | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | |
| Alkalinity (as CaCO3) | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | |
| Chloride | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | |
| Sulfate | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | |
| Total Suspended Solids (TSS) | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | |

Notes: U - not detected at indicated concentration
 < - not detected at indicated concentration
 * - not analyzed
 J- estimated concentration
 B - constituent detected in laboratory blank

TABLE 5 - SUMMARY OF WATER QUALITY DATA - SHALLOW WELLS

Weyerhaeuser East Site
Everett, Washington

| Site | HC-17 | HC-17 | HC-18 | HC-18 | HC-20 | HC-20 | HC-24 | HC-24 | HC-25 | HC-25 | HC-26 | HC-35 |
|--|---------|----------|----------|---------|----------|---------|----------|----------|----------|----------|----------|----------|
| Parameter/Sampling Date | 8-24-92 | 10-16-92 | 11/23/92 | 8-20-92 | 11-20-92 | 8-20-92 | 11-20-92 | 10-16-92 | 11-20-92 | 10-16-92 | 11-23-92 | 10-16-92 |
| Area | 3 | 3 | 3 | 8 | 8 | 8 | 8 | 3 | 3 | 3 | 3 | 5 |
| Petroleum Hydrocarbons (mg/l-ppm) | | | | | | | | | | | | |
| TPH (as gasoline) | <0.05 | * | <0.05 | <0.05 | <0.05 | <0.06 | <0.05 | * | <0.05 | * | <0.05 | * |
| TPH (as diesel) | <0.2 | * | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | * | <0.2 | * | <0.2 | * |
| TPH (as motor oil) | <0.2 | * | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | * | <0.2 | * | <0.2 | * |
| Volatile Organic Compounds (ug/l-ppb) | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| 1,1,2,2-Tetrachloroethane | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| 1,1,2-Trichloroethane | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| 1,1-Dichloroethane | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| 1,1-Dichloroethene | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| 1,2-Dichloroethane | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| 1,2-Dichloroethylene | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| 1,2-Dichloropropane | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| 2-Butanone | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| 2-Hexanone | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| 4-Methyl-2-pentanone | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| Acetone | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| Benzene | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| Bromodichloromethane | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| Bromoform | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| Bromomethane | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| Carbon disulfide | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| Carbon tetrachloride | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| Chlorobenzene | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| Chloroethane | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| Chloroform | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| Chloromethane | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| cis-1,3-Dichloropropene | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| Dibromochloromethane | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| Ethylbenzene | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| Methylene chloride | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| Styrene | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| Tetrachloroethane | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| Toluene | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| Total Xylenes | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| trans-1,3-Dichloropropene | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| Trichloroethene | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |
| Vinyl chloride | <10 | * | <10 | <10 | <10 | <10 | <10 | * | <10 | * | <10 | * |

TABLE 5 - SUMMARY OF WATER QUALITY DATA - SHALLOW WELLS

Weyerhaeuser East Site
Everett, Washington

| Site | HC-17 8-24-92 | HC-17 10-16-92 | HC-17 11/23/92 | HC-18 8-20-92 | HC-18 11-20-92 | HC-20 8-20-92 | HC-20 11-20-92 | HC-24 10-16-92 | HC-24 11-20-92 | HC-25 10-16-92 | HC-25 11-23-92 | HC-26 10-16-92 | HC-35 10-16-92 |
|-----------------------------|------------------------------------|-------------------|-------------------|------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Parameter/Sampling Date | Semivolatile Organic Compounds (u) | | | | | | | | | | | | |
| 1,2,4-Trichlorobenzene | <0.01 | * | <0.011 | <0.01 | <0.011 | <0.01 | <0.011 | * | <0.01 | * | <0.011 | * | * |
| 1,2-Dichlorobenzene | <0.01 | * | <0.011 | <0.01 | <0.011 | <0.01 | <0.011 | * | <0.01 | * | <0.011 | * | * |
| 1,3-Dichlorobenzene | <0.01 | * | <0.011 | <0.01 | <0.011 | <0.01 | <0.011 | * | <0.01 | * | <0.011 | * | * |
| 1,4-Dichlorobenzene | <0.01 | * | <0.011 | <0.01 | <0.011 | <0.01 | <0.011 | * | <0.01 | * | <0.011 | * | * |
| 2,2-oxybis(1-Chloropropane) | <0.01 | * | <0.011 | <0.01 | <0.011 | <0.01 | <0.011 | * | <0.01 | * | <0.011 | * | * |
| 2,4,5-Trichlorophenol | <0.025 | * | <0.028 | <0.025 | <0.027 | <0.025 | <0.026 | * | <0.026 | * | <0.028 | * | * |
| 2,4,6-Trichlorophenol | <0.01 | * | <0.011 | <0.01 | <0.011 | <0.01 | <0.011 | * | <0.01 | * | <0.011 | * | * |
| 2,4-Dichlorophenol | <0.01 | * | <0.011 | <0.01 | <0.011 | <0.01 | <0.011 | * | <0.01 | * | <0.011 | * | * |
| 2,4-Dimethylphenol | <0.01 | * | <0.011 | <0.01 | <0.011 | <0.01 | <0.011 | * | <0.01 | * | <0.011 | * | * |
| 2,4-Dinitrophenol | <0.025 | * | <0.028 | <0.025 | <0.027 | <0.025 | <0.026 | * | <0.026 | * | <0.028 | * | * |
| 2,4-Dinitrotoluene | <0.01 | * | <0.011 | <0.01 | <0.011 | <0.01 | <0.011 | * | <0.01 | * | <0.011 | * | * |
| 2,6-Dinitrotoluene | <0.01 | * | <0.011 | <0.01 | <0.011 | <0.01 | <0.011 | * | <0.01 | * | <0.011 | * | * |
| 2-Chloronaphthalene | <0.01 | * | <0.011 | <0.01 | <0.011 | <0.01 | <0.011 | * | <0.01 | * | <0.011 | * | * |
| 2-Chlorophenol | <0.01 | * | <0.011 | <0.01 | <0.011 | <0.01 | <0.011 | * | <0.01 | * | <0.011 | * | * |
| 2-Methylnaphthalene | <0.01 | * | <0.011 | <0.01 | <0.011 | <0.01 | <0.011 | * | <0.01 | * | <0.011 | * | * |
| 2-Methylphenol | <0.01 | * | <0.011 | <0.01 | <0.011 | <0.01 | <0.011 | * | <0.01 | * | <0.011 | * | * |
| 2-Nitroaniline | <0.025 | * | <0.028 | <0.025 | <0.027 | <0.025 | <0.026 | * | <0.026 | * | <0.028 | * | * |
| 2-Nitrophenol | <0.01 | * | <0.011 | <0.01 | <0.011 | <0.01 | <0.011 | * | <0.01 | * | <0.011 | * | * |
| 3,3'-Dichlorobenzidine | <0.01 | * | <0.011 | <0.01 | <0.011 | <0.01 | <0.011 | * | <0.01 | * | <0.011 | * | * |
| 3-Nitroaniline | <0.025 | * | <0.028 | <0.025 | <0.027 | <0.025 | <0.026 | * | <0.026 | * | <0.028 | * | * |
| 4,6-Dinitro-2-methylphenol | <0.025 | * | <0.028 | <0.025 | <0.027 | <0.025 | <0.026 | * | <0.026 | * | <0.028 | * | * |
| 4-Bromophenyl-phenylether | <0.01 | * | <0.011 | <0.01 | <0.011 | <0.01 | <0.011 | * | <0.01 | * | <0.011 | * | * |
| 4-Chloro-3-methylphenol | <0.01 | * | <0.011 | <0.01 | <0.011 | <0.01 | <0.011 | * | <0.01 | * | <0.011 | * | * |
| 4-Chloroaniline | <0.01 | * | <0.011 | <0.01 | <0.011 | <0.01 | <0.011 | * | <0.01 | * | <0.011 | * | * |
| 4-Chlorophenyl-phenylether | <0.01 | * | <0.011 | <0.01 | <0.011 | <0.01 | <0.011 | * | <0.01 | * | <0.011 | * | * |
| 4-Methylphenol | <0.01 | * | <0.011 | <0.01 | <0.011 | <0.01 | <0.011 | * | <0.01 | * | <0.011 | * | * |
| 4-Nitroaniline | <0.025 | * | <0.028 | <0.025 | <0.027 | <0.025 | <0.026 | * | <0.026 | * | <0.028 | * | * |
| 4-Nitrophenol | <0.025 | * | <0.028 | <0.025 | <0.027 | <0.025 | <0.026 | * | <0.026 | * | <0.028 | * | * |
| Acenaphthene | <0.01 | * | <0.011 | <0.01 | <0.011 | <0.01 | <0.011 | * | <0.01 | * | <0.011 | * | * |
| Acenaphthylene | <0.01 | * | <0.011 | <0.01 | <0.011 | <0.01 | <0.011 | * | <0.01 | * | <0.011 | * | * |
| Anthracene | <0.01 | * | <0.011 | <0.01 | <0.011 | <0.01 | <0.011 | * | <0.01 | * | <0.011 | * | * |
| Benzo(a)anthracene | <0.01 | * | <0.011 | <0.01 | <0.011 | <0.01 | <0.011 | * | <0.01 | * | <0.011 | * | * |
| Benzo(a)pyrene | <0.01 | * | <0.011 | <0.01 | <0.011 | <0.01 | <0.011 | * | <0.01 | * | <0.011 | * | * |
| Benzo(b)fluoranthene | <0.01 | * | <0.011 | <0.01 | <0.011 | <0.01 | <0.011 | * | <0.01 | * | <0.011 | * | * |
| Benzo(g,h,i)perylene | <0.01 | * | <0.011 | <0.01 | <0.011 | <0.01 | <0.011 | * | <0.01 | * | <0.011 | * | * |
| Benzo(k)fluoranthene | <0.01 | * | <0.011 | <0.01 | <0.011 | <0.01 | <0.011 | * | <0.01 | * | <0.011 | * | * |

TABLE 5 - SUMMARY OF WATER QUALITY DATA - SHALLOW WELLS

Weyerhaeuser East Site
Everett, Washington

| Site Parameter/Sampling Date | HC-17 | HC-17 | HC-18 | HC-20 | HC-20 | HC-24 | HC-24 | HC-25 | HC-25 | HC-26 | HC-35 |
|--|---------|----------|---------|----------|---------|----------|----------|----------|----------|----------|----------|
| | 8-24-92 | 10-16-92 | 8-20-92 | 11-20-92 | 8-20-92 | 11-20-92 | 10-16-92 | 11-23-92 | 10-16-92 | 10-16-92 | 10-16-92 |
| Bis(2-chloroethoxy)methane | <0.01 | * | <0.01 | <0.011 | <0.01 | <0.01 | * | <0.011 | * | * | * |
| Bis(2-chloroethyl)ether | <0.01 | * | <0.01 | <0.011 | <0.01 | <0.01 | * | <0.011 | * | * | * |
| Bis(2-ethylhexyl)phthalate | <0.01 | * | <0.01 | <0.011 | <0.01 | <0.01 | * | <0.011 | * | * | * |
| Butylbenzylphthalate | <0.01 | * | <0.01 | <0.011 | <0.01 | <0.01 | * | <0.011 | * | * | * |
| Carbazole | <0.01 | * | <0.01 | <0.011 | <0.01 | <0.01 | * | <0.011 | * | * | * |
| Chrysene | <0.01 | * | <0.01 | <0.011 | <0.01 | <0.01 | * | <0.011 | * | * | * |
| Di-n-butylphthalate | <0.01 | * | <0.01 | <0.011 | <0.01 | <0.01 | * | <0.011 | * | * | * |
| Di-n-octyl phthalate | <0.01 | * | <0.01 | <0.011 | <0.01 | <0.01 | * | <0.011 | * | * | * |
| Dibenz(a,h)anthracene | <0.01 | * | <0.01 | <0.011 | <0.01 | <0.01 | * | <0.011 | * | * | * |
| Dibenzofuran | <0.01 | * | <0.01 | <0.011 | <0.01 | <0.01 | * | <0.011 | * | * | * |
| Diethylphthalate | <0.01 | * | <0.01 | <0.011 | <0.01 | <0.01 | * | <0.011 | * | * | * |
| Dimethyl phthalate | <0.01 | * | <0.01 | <0.011 | <0.01 | <0.01 | * | <0.011 | * | * | * |
| Fluoranthene | <0.01 | * | <0.01 | <0.011 | <0.01 | <0.01 | * | <0.011 | * | * | * |
| Fluorene | <0.01 | * | <0.01 | <0.011 | <0.01 | <0.01 | * | <0.011 | * | * | * |
| Hexachlorobenzene | <0.01 | * | <0.01 | <0.011 | <0.01 | <0.01 | * | <0.011 | * | * | * |
| Hexachlorobutadiene | <0.01 | * | <0.01 | <0.011 | <0.01 | <0.01 | * | <0.011 | * | * | * |
| Hexachlorocyclopentadiene | <0.01 | * | <0.01 | <0.011 | <0.01 | <0.01 | * | <0.011 | * | * | * |
| Hexachloroethane | <0.01 | * | <0.01 | <0.011 | <0.01 | <0.01 | * | <0.011 | * | * | * |
| Indeno(1,2,3-cd)pyrene | <0.01 | * | <0.01 | <0.011 | <0.01 | <0.01 | * | <0.011 | * | * | * |
| Isophorone | <0.01 | * | <0.01 | <0.011 | <0.01 | <0.01 | * | <0.011 | * | * | * |
| N-Nitroso-di-n-propylamine | <0.01 | * | <0.01 | <0.011 | <0.01 | <0.01 | * | <0.011 | * | * | * |
| N-Nitrosodiphenylamine | <0.01 | * | <0.01 | <0.011 | <0.01 | <0.01 | * | <0.011 | * | * | * |
| Naphthalene | <0.01 | * | <0.01 | <0.011 | <0.01 | <0.01 | * | <0.011 | * | * | * |
| Nitrobenzene | <0.01 | * | <0.01 | <0.011 | <0.01 | <0.01 | * | <0.011 | * | * | * |
| Pentachlorophenol | <0.025 | * | <0.025 | <0.027 | <0.025 | <0.026 | * | <0.028 | * | <0.028 | * |
| Phenanthrene | <0.01 | * | <0.01 | <0.011 | <0.01 | <0.01 | * | <0.011 | * | <0.011 | * |
| Phenol | <0.01 | * | <0.01 | <0.011 | <0.01 | <0.01 | * | <0.011 | * | <0.011 | * |
| Pyrene | <0.01 | * | <0.01 | <0.011 | <0.01 | <0.01 | * | <0.011 | * | <0.011 | * |
| 2,3,4,6-Tetrachlorophenol | * | * | * | * | * | * | * | * | * | * | * |
| 2,3,5,6-Tetrachlorophenol | * | * | * | * | * | * | * | * | * | * | * |
| Dioxins/Furans (pg/l - ppt) | | | | | | | | | | | |
| 1,2,3,4,6,7,8-Heptachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,4,6,7,8-HpDD | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,4,7,8,9-Heptachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,4,7,8-Hexachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,6,7,8-Hexachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * |

Revised: 8/5/95
(WQSUM2A.XLS)

TABLE 5 - SUMMARY OF WATER QUALITY DATA - SHALLOW WELLS

Weyerhaeuser East Site
Everett, Washington

| Site | HC-17 8-24-92 | HC-17 10-16-92 | HC-17 11/23/92 | HC-18 8-20-92 | HC-18 11-20-92 | HC-20 8-20-92 | HC-20 11-20-92 | HC-24 10-16-92 | HC-24 11-20-92 | HC-25 10-16-92 | HC-25 11-23-92 | HC-26 10-16-92 | HC-35 10-16-92 |
|--|------------------|-------------------|-------------------|------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Parameter/Sampling Date | | | | | | | | | | | | | |
| 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,7,8,9-Hexachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,7,8-PeDD | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,7,8-PeDF | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,3,4,6,7,8-Hexachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,3,4,7,8-Pentachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,3,7,8-TCDD | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,3,7,8-TCDF | * | * | * | * | * | * | * | * | * | * | * | * | * |
| OCDD | * | * | * | * | * | * | * | * | * | * | * | * | * |
| OCDF | * | * | * | * | * | * | * | * | * | * | * | * | * |
| PCBs/Pesticides (ug/l - ppb) | | | | | | | | | | | | | |
| 4,4'-DDD | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4,4'-DDE | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4,4'-DDT | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aldrin | * | * | * | * | * | * | * | * | * | * | * | * | * |
| alpha-BHC | * | * | * | * | * | * | * | * | * | * | * | * | * |
| alpha-Chlordane | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1016 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1221 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1232 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1242 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1248 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1254 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1260 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| beta-BHC | * | * | * | * | * | * | * | * | * | * | * | * | * |
| delta-BHC | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Dieldrin | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endosulfan I | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endosulfan II | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endosulfan sulfate | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endrin | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endrin aldehyde | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endrin ketone | * | * | * | * | * | * | * | * | * | * | * | * | * |
| gamma-BHC (Lindane) | * | * | * | * | * | * | * | * | * | * | * | * | * |
| gamma-Chlordane | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Heptachlor | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Heptachlor epoxide | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Methoxychlor | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Toxaphene | * | * | * | * | * | * | * | * | * | * | * | * | * |

Weyerhaeuser East Site
Everett, Washington

TABLE 5 - SUMMARY OF WATER QUALITY DATA - SHALLOW WELLS

| Site | HC-17 | HC-17 | HC-18 | HC-18 | HC-20 | HC-20 | HC-24 | HC-24 | HC-25 | HC-25 | HC-26 | HC-35 |
|---|---------|----------|----------|---------|----------|---------|----------|----------|----------|----------|----------|----------|
| Parameter/Sampling Date | 8-24-92 | 10-16-92 | 11/23/92 | 8-20-92 | 11-20-92 | 8-20-92 | 10-16-92 | 11-20-92 | 10-16-92 | 11-23-92 | 10-16-92 | 10-16-92 |
| Metals (ugl-ppb) | | | | | | | | | | | | |
| Arsenic - Total | 189 | 146 | 62.4 | 19.1 | 57.4 | 180 | 32.7 | 432 | 407 | 4.2 | <1.7 | 144 |
| Arsenic - Dissolved | 179 | 148 | 55.6 | 12.4 | 63 | 178 | 31.8 | 452 | 360 | 4.0 | <1.7 | 162 |
| Chromium - Total | 5 | * | <2.9 | <2.9 | <3.2 | <6.9 | <2.9 | * | <2.9 | * | <2.9 | * |
| Chromium - Dissolved | <2.9 | * | <2.9 | <2.9 | <2.9 | <2.9 | <2.9 | * | <2.9 | * | <2.9 | * |
| Copper - Total | 7.6 | * | <7.4 | 3.7 | <7.5 | 15.4 | <7.9 | * | <3.4 | * | <6.6 | * |
| Copper - Dissolved | <4.7 | * | <3.4 | 4 | <7.1 | 3.7 | 16.8 | * | <3.4 | * | <3.4 | * |
| Lead - Total | 1.9 | * | <0.9 | 1.7 | <0.9 | 7.2 | <0.9 | * | <0.9 | * | <1.2 | * |
| Lead - Dissolved | <0.9 | * | <0.9 | <2.6 | <1.1 | <1.8 | <1.7 | * | <0.9 | * | <0.9 | * |
| Conventional Parameters (mg/l-ppm) | | | | | | | | | | | | |
| Calcium | * | * | * | * | * | * | * | * | * | * | * | * |
| Magnesium | * | * | * | * | * | * | * | * | * | * | * | * |
| Potassium | * | * | * | * | * | * | * | * | * | * | * | * |
| Sodium | * | * | * | * | * | * | * | * | * | * | * | * |
| Alkalinity (as CaCO3) | * | * | * | * | * | * | * | * | * | * | * | * |
| Chloride | * | * | * | * | * | * | * | * | * | * | * | * |
| Sulfate | * | * | * | * | * | * | * | * | * | * | * | * |
| Total Suspended Solids (TSS) | * | * | * | * | * | * | * | * | * | * | * | * |

Notes: U - not detected at indicated concentration
 < - not detected at indicated concentration
 * - not analyzed
 J - estimated concentration
 B - constituent detected in laboratory blank

TABLE 6 - Summary of Ground Water Quality Data - Deep Wells

Weyerhaeuser East Site
Everett, Washington

| Site | MW-100D | MW-100D | MW-100D | MW-100D | MW-100D | MW-100D | MW-100D | MW-100D | MW-100D | MW-100D | MW-103D | MW-103D | MW-103D | MW-103D | MW-103D | MW-103D | MW-103D | MW-103D | | | | | |
|--|---------|---------|----------|---------|---------|---------|---------|---------|----------|---------|---------|---------|----------|---------|---------|---------|---------|---------|----------|------|------|--------|-----|
| Parameter/Sampling Date | 1/21/93 | 5/10/93 | 10/27/93 | 2/94 | 9/94 | 2/3/95 | 1/21/93 | 5/10/93 | 10/27/93 | 2/94 | 9/94 | 2/94 | 10/27/93 | 2/94 | 9/94 | 2/3/95 | 1/21/93 | 5/10/93 | 10/27/93 | 2/94 | 9/94 | 2/3/95 | |
| Area | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| Petroleum Hydrocarbons (mg/l-ppm) | | | | | | | | | | | | | | | | | | | | | | | |
| WTPH-G (as gasoline) | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| WTPH-D (as diesel) | <0.5 | <0.1 | <0.13 | <0.13 | <0.13 | <0.13 | <0.5 | 0.42 | <0.5 | <0.5 | 0.67 | 0.75 | <0.5 | 0.75 | 0.67 | 1.2 | <0.5 | 0.42 | 0.9 | 0.75 | 0.67 | 1.2 | |
| WTPH-D (as motor oil) | <0.5 | <0.2 | <0.5 | 0.2 | <0.25 | <0.26 | <0.5 | 0.3 | <0.5 | <0.5 | 0.35 | 0.45 | <0.5 | 0.45 | 0.35 | 0.74 | 1 | 0.3 | <0.5 | 0.45 | 0.35 | 0.74 | |
| Volatile Organic Compounds (ug/l-ppb) | | | | | | | | | | | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1,2,2-Tetrachloroethane | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1,2-Trichloroethane | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,2-Dichloroethane | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,2-Dichloroethylene | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,2-Dichloropropane | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 2-Butanone | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 2-Hexanone | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 4-Methyl-2-pentanone | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Acetone | <10 | 16 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Benzene | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Bromodichloromethane | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Bromoform | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Bromomethane | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon disulfide | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon tetrachloride | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Chlorobenzene | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Chloroethane | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Chloroform | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Chloromethane | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| cis-1,3-Dichloropropene | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Dibromochloromethane | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Ethylbenzene | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Methylene chloride | <10 | 4 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Styrene | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Tetrachloroethene | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Toluene | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Total Xylenes | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| trans-1,3-Dichloropropene | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Trichloroethene | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Vinyl chloride | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |

TABLE 6 - Summary of Ground Water Quality Data - Deep Wells

Weyerhaeuser East Site
Everett, Washington

| Site | MW-100D | MW-100D | MW-100D | MW-100D | MW-100D | MW-100D | MW-100D | MW-100D | MW-100D | MW-100D | MW-103D | MW-103D | MW-103D | MW-103D | MW-103D | MW-103D | MW-103D | |
|---|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|----------|---------|---------|---------|----------|---------|---------|---|
| Parameter/Sampling Date | 1/21/93 | 5/10/93 | 10/27/93 | 2/94 | MW-100D | 9/94 | 2/3/95 | MW-100D | 1/21/93 | 5/10/93 | 10/27/93 | 2/94 | MW-103D | 5/10/93 | 10/27/93 | 2/94 | MW-103D | |
| Semi-volatile Organic Compounds (µg/l-ppb) | | | | | | | | | | | | | | | | | | |
| 1,2,4-Trichlorobenzene | <10 | <11 | <12 | * | * | * | * | * | <10 | <12 | <12 | * | <10 | <12 | <12 | * | <10 | * |
| 1,2-Dichlorobenzene | <10 | <10 | <10 | * | * | * | * | * | <10 | <10 | <10 | * | <10 | <10 | <10 | * | <10 | * |
| 1,3-Dichlorobenzene | <10 | <10 | <10 | * | * | * | * | * | <10 | <10 | <10 | * | <10 | <10 | <10 | * | <10 | * |
| 1,4-Dichlorobenzene | <10 | <10 | <10 | * | * | * | * | * | <10 | <10 | <10 | * | <10 | <10 | <10 | * | <10 | * |
| 2,2-oxyls(1-Chloropropane) | <10 | <11 | <12 | * | * | * | * | * | <10 | <12 | <12 | * | <10 | <12 | <13 | * | <10 | * |
| 2,4,5-Trichlorophenol | <25 | <28 | <30 | * | * | * | * | * | <25 | <30 | <30 | * | <25 | <29 | <30 | * | <25 | * |
| 2,4,6-Trichlorophenol | <10 | <11 | <12 | * | * | * | * | * | <10 | <12 | <12 | * | <10 | <12 | <12 | * | <10 | * |
| 2,4-Dichlorophenol | <10 | <11 | <12 | * | * | * | * | * | <10 | <12 | <12 | * | <10 | <12 | <13 | * | <10 | * |
| 2,4-Dimethylphenol | <10 | <11 | <12 | * | * | * | * | * | <10 | <12 | <12 | * | <10 | <12 | <13 | * | <10 | * |
| 2,4-Dinitrophenol | <25 | <28 | <30 | * | * | * | * | * | <25 | <30 | <32 | * | <25 | <29 | <32 | * | <25 | * |
| 2,4-Dinitrotoluene | <10 | <11 | <12 | * | * | * | * | * | <10 | <12 | <12 | * | <10 | <12 | <13 | * | <10 | * |
| 2,6-Dinitrotoluene | <10 | <11 | <12 | * | * | * | * | * | <10 | <12 | <12 | * | <10 | <12 | <13 | * | <10 | * |
| 2-Chloronaphthalene | <10 | <11 | <12 | * | * | * | * | * | <10 | <12 | <12 | * | <10 | <12 | <12 | * | <10 | * |
| 2-Chlorophenol | <10 | <11 | <12 | * | * | * | * | * | <10 | <12 | <12 | * | <10 | <12 | <12 | * | <10 | * |
| 2-Methylnaphthalene | <10 | <11 | <12 | * | * | * | * | * | <10 | <12 | <12 | * | <10 | <12 | <12 | * | <10 | * |
| 2-Methylphenol | <10 | <11 | <12 | * | * | * | * | * | <10 | <12 | <12 | * | <10 | <12 | <12 | * | <10 | * |
| 2-Nitroaniline | <25 | <28 | <30 | * | * | * | * | * | <25 | <30 | <30 | * | <25 | <29 | <30 | * | <25 | * |
| 2-Nitrophenol | <10 | <11 | <12 | * | * | * | * | * | <10 | <12 | <12 | * | <10 | <12 | <12 | * | <10 | * |
| 3,3'-Dichlorobenzidine | <10 | <11 | <12 | * | * | * | * | * | <10 | <12 | <12 | * | <10 | <12 | <12 | * | <10 | * |
| 3-Nitroaniline | <25 | <28 | <30 | * | * | * | * | * | <25 | <30 | <32 | * | <25 | <29 | <32 | * | <25 | * |
| 4,6-Dinitro-2-methylphenol | <25 | <28 | <30 | * | * | * | * | * | <25 | <30 | <30 | * | <25 | <29 | <30 | * | <25 | * |
| 4-Bromophenyl-phenylether | <10 | <11 | <12 | * | * | * | * | * | <10 | <12 | <12 | * | <10 | <12 | <12 | * | <10 | * |
| 4-Chloro-3-methylphenol | <10 | <11 | <12 | * | * | * | * | * | <10 | <12 | <12 | * | <10 | <12 | <13 | * | <10 | * |
| 4-Chloroaniline | <10 | <11 | <12 | * | * | * | * | * | <10 | <12 | <12 | * | <10 | <12 | <13 | * | <10 | * |
| 4-Chlorophenyl-phenylether | <10 | <11 | <12 | * | * | * | * | * | <10 | <12 | <12 | * | <10 | <12 | <12 | * | <10 | * |
| 4-Methylphenol | <10 | <11 | <12 | * | * | * | * | * | <10 | <12 | <12 | * | <10 | <12 | <12 | * | <10 | * |
| 4-Nitroaniline | <25 | <28 | <30 | * | * | * | * | * | <25 | <30 | <32 | * | <25 | <29 | <32 | * | <25 | * |
| 4-Nitrophenol | <25 | <28 | <30 | * | * | * | * | * | <25 | <30 | <32 | * | <25 | <29 | <32 | * | <25 | * |
| Acenaphthene | <10 | <11 | <12 | * | * | * | * | * | <10 | <12 | <12 | * | <10 | <12 | <12 | * | <10 | * |
| Acenaphthylene | <10 | <11 | <12 | * | * | * | * | * | <10 | <12 | <12 | * | <10 | <12 | <13 | * | <10 | * |
| Anthracene | <10 | <11 | <12 | * | * | * | * | * | <10 | <12 | <12 | * | <10 | <12 | <12 | * | <10 | * |
| Benzo(a)anthracene | <10 | <11 | <12 | * | * | * | * | * | <10 | <12 | <12 | * | <10 | <12 | <12 | * | <10 | * |
| Benzo(a)pyrene | <10 | <11 | <12 | * | * | * | * | * | <10 | <12 | <12 | * | <10 | <12 | <12 | * | <10 | * |
| Benzo(b)fluoranthene | <10 | <11 | <12 | * | * | * | * | * | <10 | <12 | <12 | * | <10 | <12 | <12 | * | <10 | * |
| Benzo(g,h,i)perylene | <10 | <11 | <12 | * | * | * | * | * | <10 | <12 | <12 | * | <10 | <12 | <13 | * | <10 | * |
| Benzo(k)fluoranthene | <10 | <11 | <12 | * | * | * | * | * | <10 | <12 | <12 | * | <10 | <12 | <13 | * | <10 | * |
| Bis(2-chloroethoxy)methane | <10 | <11 | <12 | * | * | * | * | * | <10 | <12 | <12 | * | <10 | <12 | <12 | * | <10 | * |

Revised: 8/5/95
(WQSUM3A.XLS)

TABLE 6 - Summary of Ground Water Quality Data - Deep Wells

Weyerhaeuser East Site
Everett, Washington

| Site | MW-100D | MW-100D | MW-100D | MW-100D | MW-100D | MW-100D | MW-100D | MW-100D | MW-100D | MW-103D | MW-103D | MW-103D | MW-103D | MW-103D | MW-103D | MW-103D | MW-103D | |
|--|---------|---------|----------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|---------|----------|---------|---------|--------|
| Parameter/Sampling Date | 1/21/93 | 5/10/93 | 10/27/93 | 2/94 | 9/94 | 2/3/95 | 1/21/93 | 5/10/93 | 10/27/93 | 2/94 | 9/94 | 2/3/95 | 1/21/93 | 5/10/93 | 10/27/93 | 2/94 | 9/94 | 2/3/95 |
| Bis(2-chloroethyl)ether | <10 | <11 | <12 | * | * | * | <10 | <12 | | | | * | <10 | <12 | <12 | * | * | * |
| Bis(2-ethylhexyl)phthalate | <10 | <11 | 2UB | * | * | * | <10 | | | | | * | <10 | <12 | <13 | * | * | * |
| Butylbenzylphthalate | <10 | <11 | <12 | * | * | * | <10 | <12 | | | | * | <10 | <12 | <12 | * | * | * |
| Carbazole | <10 | <11 | <12 | * | * | * | <10 | <12 | | | | * | <10 | <12 | <13 | * | * | * |
| Chrysene | <10 | <11 | <12 | * | * | * | <10 | <12 | | | | * | <10 | <12 | <12 | * | * | * |
| Di-n-butylphthalate | <10 | <11 | <12 | * | * | * | <10 | <12 | | | | * | <10 | <12 | <12 | * | * | * |
| Di-n-octyl phthalate | <10 | <11 | <12 | * | * | * | <10 | <12 | | | | * | <10 | <12 | <12 | * | * | * |
| Dibenz(a,h)anthracene | <10 | <11 | <12 | * | * | * | <10 | <12 | | | | * | <10 | <12 | <13 | * | * | * |
| Dibenzofuran | <10 | <11 | <12 | * | * | * | <10 | <12 | | | | * | <10 | <12 | <12 | * | * | * |
| Diethylphthalate | <10 | <11 | <12 | * | * | * | <10 | <12 | | | | * | <10 | <12 | <13 | * | * | * |
| Dimethyl phthalate | <10 | <11 | <12 | * | * | * | <10 | <12 | | | | * | <10 | <12 | <12 | * | * | * |
| Fluoranthene | <10 | <11 | <12 | * | * | * | <10 | <12 | | | | * | <10 | <12 | <13 | * | * | * |
| Fluorene | <10 | <11 | <12 | * | * | * | <10 | <12 | | | | * | <10 | <12 | <12 | * | * | * |
| Hexachlorobenzene | <10 | <11 | <12 | * | * | * | <10 | <12 | | | | * | <10 | <12 | <12 | * | * | * |
| Hexachlorobutadiene | <10 | <11 | <12 | * | * | * | <10 | <12 | | | | * | <10 | <12 | <13 | * | * | * |
| Hexachlorocyclopentadiene | <10 | <11 | <12 | * | * | * | <10 | <12 | | | | * | <10 | <12 | <13 | * | * | * |
| Hexachloroethane | <10 | <11 | <12 | * | * | * | <10 | <12 | | | | * | <10 | <12 | <12 | * | * | * |
| Indeno(1,2,3-cd)pyrene | <10 | <11 | <12 | * | * | * | <10 | <12 | | | | * | <10 | <12 | <12 | * | * | * |
| Isophorone | <10 | <11 | <12 | * | * | * | <10 | <12 | | | | * | <10 | <12 | <12 | * | * | * |
| N-Nitroso-di-n-propylamine | <10 | <11 | <12 | * | * | * | <10 | <12 | | | | * | <10 | <12 | <12 | * | * | * |
| N-Nitrosodiphenylamine | <10 | <11 | <12 | * | * | * | <10 | <12 | | | | * | <10 | <12 | <13 | * | * | * |
| Naphthalene | <10 | <11 | <12 | * | * | * | <10 | <12 | | | | * | <10 | <12 | <13 | * | * | * |
| Nitrobenzene | <10 | <11 | <12 | * | * | * | <10 | <12 | | | | * | <10 | <12 | <12 | * | * | * |
| Pentachlorophenol | <0.1 | <10 | <30 | * | * | * | <0.1 | <10 | <30 | * | * | * | <25 | <29 | <32 | * | * | * |
| Phenanthrene | <10 | <11 | <12 | * | * | * | <10 | <12 | | | | * | <10 | <12 | <13 | * | * | * |
| Phenol | <10 | <11 | <12 | * | * | * | <10 | <12 | | | | * | <10 | <12 | <12 | * | * | * |
| Pyrene | <10 | <11 | <12 | * | * | * | <10 | <12 | | | | * | <10 | <12 | <12 | * | * | * |
| 2,3,4,6-Tetrachlorophenol | <0.1 | <10 | * | * | * | * | <0.1 | <10 | * | * | * | * | * | * | * | * | * | * |
| 2,3,5,6-Tetrachlorophenol | <0.1 | <10 | * | * | * | * | <0.1 | <10 | * | * | * | * | * | * | * | * | * | * |
| Dioxins/Furans (ng/l-gpl) | | | | | | | | | | | | | | | | | | |
| 1,2,3,4,6,7,8-Heptachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,4,6,7,8-HpDD | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,4,7,8,9-Heptachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,4,7,8-Hexachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,6,7,8-Hexachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

Revised: 8/5/95
(WQSUM3A.XLS)

TABLE 6 - Summary of Ground Water Quality Data - Deep Wells

Weyerhaeuser East Site
Everett, Washington

| Site | MW-100D | MW-100D | MW-100D | MW-100D | MW-100D | MW-100D | MW-100D | MW-100D | MW-100D | MW-103D | MW-103D | MW-103D | MW-103D | MW-103D | MW-103D | MW-103D |
|------------------------------------|---------|---------|----------|---------|---------|---------|---------|---------|----------|---------|---------|---------|----------|---------|----------|---------|
| Parameter/Sampling Date | 1/21/93 | 5/10/93 | 10/27/93 | 2/94 | 9/94 | 2/3/95 | 1/21/93 | 5/10/93 | 10/27/93 | 2/94 | 9/94 | 2/94 | 10/27/93 | 5/10/93 | 10/27/93 | 2/3/95 |
| 1,2,3,7,8,9-Hexachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,7,8-PeDD | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,7,8-PeDF | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,3,4,6,7,8-Hexachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,3,4,7,8-Pentachlorodibenzofuran | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,3,7,8-TCDD | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,3,7,8-TCDF | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| OCDD | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| OCDF | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| PCBs/Pesticides (ugl/ppb) | | | | | | | | | | | | | | | | |
| 4,4'-DDD | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4,4'-DDE | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4,4'-DDT | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aldrin | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| alpha-BHC | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| alpha-Chlordane | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1016 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1221 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1232 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1242 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1248 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1254 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1260 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| beta-BHC | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| delta-BHC | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Dieldrin | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endosulfan I | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endosulfan II | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endosulfan sulfate | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endrin | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endrin aldehyde | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Endrin ketone | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| gamma-BHC (Lindane) | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| gamma-Chlordane | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Heptachlor | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Heptachlor epoxide | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Methoxychlor | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Toxaphene | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

TABLE 6 - Summary of Ground Water Quality Data - Deep Wells

Weyerhaeuser East Site
Everett, Washington

| Site | MW-100D | MW-100D | MW-100D | MW-100D | MW-100D | MW-100D | MW-100D | MW-100D | MW-100D | MW-103D | MW-103D | MW-103D | MW-103D | MW-103D | MW-103D | MW-103D |
|---|---------|---------|----------|---------|---------|---------|---------|---------|----------|---------|---------|---------|----------|---------|---------|---------|
| Parameter/Sampling Date | 1/21/93 | 5/10/93 | 10/27/93 | 2/94 | 9/94 | 23/95 | 1/21/93 | 5/10/93 | 10/27/93 | 2/94 | 9/94 | 2/94 | 10/27/93 | 5/10/93 | 9/94 | 2/3/95 |
| Metals (ug/l-ppb) | | | | | | | | | | | | | | | | |
| Arsenic - Total | | | | | 10 | 8.7 | | | | | | | * | * | * | 3 |
| Arsenic - Dissolved | 9 | 8 | 19 | 7 | 8 | 7.5 | | | | | | | 4 | 3 | <3 | 6 |
| Chromium - Total | * | * | * | * | * | 3.4 | | | | | | | * | * | * | 2.1 |
| Chromium - Dissolved | * | * | * | * | * | 3.2 | | | | | | | * | * | * | 2.4 |
| Copper - Total | * | * | * | * | * | 1.4JB | | | | | | | * | * | * | 2.0JB |
| Copper - Dissolved | * | * | * | * | * | 3.1J | | | | | | | * | * | * | 2.3J |
| Lead - Total | * | * | * | * | * | 1 | | | | | | | * | * | * | 1.2 |
| Lead - Dissolved | * | * | * | * | * | <0.7 | | | | | | | * | * | * | <0.7 |
| Conventional Parameters (mg/l-ppm) | | | | | | | | | | | | | | | | |
| Calcium | * | * | * | * | * | 14.6 | | | | | | | * | * | * | 65.5 |
| Magnesium | * | * | * | * | * | 26.7 | | | | | | | * | * | * | 40.1 |
| Potassium | * | * | * | * | * | 17.4 | | | | | | | * | * | * | 15.5 |
| Sodium | * | * | * | * | * | 180 | | | | | | | * | * | * | 75.5 |
| Alkalinity (as CaCO3) | * | * | * | * | * | 350 | | | | | | | * | * | * | 400 |
| Chloride | * | * | * | * | * | 142 | | | | | | | * | * | * | 103 |
| Sulfate | * | * | * | * | * | 0.9 | | | | | | | * | * | * | 1.1 |
| Total Suspended Solids (TSS) | * | * | * | * | 30 | 19 | | | | | | | * | * | * | <2 |

Notes:
 U - not detected at indicated concentration
 < - not detected at indicated concentration
 * - not analyzed
 J - estimated concentration
 B - constituent detected in laboratory blank

TABLE 6 - Summary of Ground Water Quality Data - Deep Wells

Weyerhaeuser East Site
Everett, Washington

| Site | MW-105D | MW-105D | MW-105D | MW-105D | MW-105D | MW-105D | MW-105D | MW-108D | MW-108D | MW-108D | MW-108D | MW-108D | MW-108D |
|---|---------|---------|----------|---------|---------|---------|---------|---------|---------|----------|---------|---------|---------|
| | 1/22/93 | 5/10/93 | 10/27/93 | 2/94 | 7/94 | 7/94 | 7/94 | 1/20/93 | 5/11/93 | 10/27/93 | 2/94 | 9/94 | 2/3/95 |
| Petroleum Hydrocarbons (mg/l-ppm) | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 10 | 10 | 10 | 10 | 10 | 10 |
| WTPH-G (as gasoline) | * | * | * | * | * | * | * | * | * | * | * | * | * |
| WTPH-D (as diesel) | <0.5 | <0.1 | <0.13 | <0.13 | <0.13 | <0.13 | 0.13 | <0.5 | <0.1 | <0.13 | <0.13 | <0.13 | <0.13 |
| WTPH-D (as motor oil) | <0.5 | <0.2 | <0.5 | 0.24 | <0.25 | <0.26 | <0.26 | <0.5 | <0.2 | <0.5 | <0.13 | <0.25 | <0.26 |
| Volatile Organic Compounds (ug/l-pp) | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| 1,1,1,2,2-Tetrachloroethane | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| 1,1,1,2-Trichloroethane | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| 1,1-Dichloroethane | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| 1,1-Dichloroethene | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| 1,2-Dichloroethane | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| 1,2-Dichloroethene | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| 1,2-Dichloropropane | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| 2-Butanone | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| 2-Hexanone | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| 4-Methyl-2-pentanone | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| Acetone | 18 | <10 | <10 | * | * | * | * | <10 | <10 | 35 | * | * | * |
| Benzene | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| Bromodichloromethane | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| Bromoform | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| Bromomethane | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| Carbon disulfide | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| Carbon tetrachloride | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| Chlorobenzene | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| Chloroethane | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| Chloroform | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| Chloromethane | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| cis-1,3-Dichloropropene | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| Dibromochloromethane | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| Ethylbenzene | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| Methylene chloride | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| Styrene | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| Tetrachloroethene | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| Toluene | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| Total Xylenes | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| trans-1,3-Dichloropropene | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| Trichloroethene | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |
| Vinyl chloride | <10 | <10 | <10 | * | * | * | * | <10 | <10 | <10 | * | * | * |

TABLE 6 - Summary of Ground Water Quality Data - Deep Wells

Weyerhaeuser East Site
Everett, Washington

| Site Parameter/Sampling Date | MW-105D | | MW-105D | | MW-105D | | MW-105D | | MW-105D | | MW-108D | | MW-108D | | MW-108D | | | |
|-------------------------------------|---------|---------|----------|------|---------|--------|---------|---------|----------|------|---------|--------|---------|---------|----------|------|------|--------|
| | 1/22/93 | 5/10/93 | 10/27/93 | 2/94 | 9/94 | 2/3/95 | 1/20/93 | 5/11/93 | 10/27/93 | 2/94 | 9/94 | 2/3/95 | 1/20/93 | 5/11/93 | 10/27/93 | 2/94 | 9/94 | 2/3/95 |
| Semi-volatile Organic Compounds (u) | | | | | | | | | | | | | | | | | | |
| 1,2,4-Trichlorobenzene | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | <12 | <12 | <10 | <12 | <12 | <12 | * | * | * |
| 1,2-Dichlorobenzene | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | * | * | * |
| 1,3-Dichlorobenzene | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | * | * | * |
| 1,4-Dichlorobenzene | <10 | <10 | <10 | * | * | * | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | * | * | * |
| 2,2-oxybis(1-Chloropropane) | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | <12 | <12 | <10 | <12 | <12 | <12 | * | * | * |
| 2,4,5-Trichlorophenol | <25 | <29 | <30 | * | * | * | <25 | <31 | <30 | <30 | <30 | <25 | <31 | <30 | <30 | * | * | * |
| 2,4,6-Trichlorophenol | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | <12 | <12 | <10 | <12 | <12 | <12 | * | * | * |
| 2,4-Dichlorophenol | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | <12 | <12 | <10 | <12 | <12 | <12 | * | * | * |
| 2,4-Dimethylphenol | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | <12 | <12 | <10 | <12 | <12 | <12 | * | * | * |
| 2,4-Dinitrophenol | <25 | <29 | <30 | * | * | * | <25 | <31 | <30 | <30 | <30 | <25 | <31 | <30 | <30 | * | * | * |
| 2,4-Dinitrotoluene | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | <12 | <12 | <10 | <12 | <12 | <12 | * | * | * |
| 2,6-Dinitrotoluene | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | <12 | <12 | <10 | <12 | <12 | <12 | * | * | * |
| 2-Chloronaphthalene | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | <12 | <12 | <10 | <12 | <12 | <12 | * | * | * |
| 2-Chlorophenol | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | <12 | <12 | <10 | <12 | <12 | <12 | * | * | * |
| 2-Methylnaphthalene | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | <12 | <12 | <10 | <12 | <12 | <12 | * | * | * |
| 2-Methylphenol | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | <12 | <12 | <10 | <12 | <12 | <12 | * | * | * |
| 2-Nitroaniline | <25 | <29 | <30 | * | * | * | <25 | <31 | <30 | <30 | <30 | <25 | <31 | <30 | <30 | * | * | * |
| 2-Nitrophenol | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | <12 | <12 | <10 | <12 | <12 | <12 | * | * | * |
| 3,3'-Dichlorobenzidine | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | <12 | <12 | <10 | <12 | <12 | <12 | * | * | * |
| 3-Nitroaniline | <25 | <29 | <30 | * | * | * | <25 | <31 | <30 | <30 | <30 | <25 | <31 | <30 | <30 | * | * | * |
| 4,6-Dinitro-2-methylphenol | <25 | <29 | <30 | * | * | * | <25 | <31 | <30 | <30 | <30 | <25 | <31 | <30 | <30 | * | * | * |
| 4-Bromophenyl-phenylether | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | <12 | <12 | <10 | <12 | <12 | <12 | * | * | * |
| 4-Chloro-3-methylphenol | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | <12 | <12 | <10 | <12 | <12 | <12 | * | * | * |
| 4-Chloroaniline | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | <12 | <12 | <10 | <12 | <12 | <12 | * | * | * |
| 4-Chlorophenyl-phenylether | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | <12 | <12 | <10 | <12 | <12 | <12 | * | * | * |
| 4-Methylphenol | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | <12 | <12 | <10 | <12 | <12 | <12 | * | * | * |
| 4-Nitroaniline | <25 | <29 | <30 | * | * | * | <25 | <31 | <30 | <30 | <30 | <25 | <31 | <30 | <30 | * | * | * |
| 4-Nitrophenol | <25 | <29 | <30 | * | * | * | <25 | <31 | <30 | <30 | <30 | <25 | <31 | <30 | <30 | * | * | * |
| Acenaphthene | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | <12 | <12 | <10 | <12 | <12 | <12 | * | * | * |
| Acenaphthylene | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | <12 | <12 | <10 | <12 | <12 | <12 | * | * | * |
| Anthracene | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | <12 | <12 | <10 | <12 | <12 | <12 | * | * | * |
| Benzo(a)anthracene | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | <12 | <12 | <10 | <12 | <12 | <12 | * | * | * |
| Benzo(a)pyrene | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | <12 | <12 | <10 | <12 | <12 | <12 | * | * | * |
| Benzo(b)fluoranthene | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | <12 | <12 | <10 | <12 | <12 | <12 | * | * | * |
| Benzo(g,h,i)perylene | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | <12 | <12 | <10 | <12 | <12 | <12 | * | * | * |
| Benzo(k)fluoranthene | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | <12 | <12 | <10 | <12 | <12 | <12 | * | * | * |
| Bis(2-chloroethoxy)methane | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | <12 | <12 | <10 | <12 | <12 | <12 | * | * | * |

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TABLE 6 - Summary of Ground Water Quality Data - Deep Wells

Weyerhaeuser East Site
Everett, Washington

| Site | MW-105D 1/22/93 | MW-105D 5/10/93 | MW-105D 10/27/93 | MW-105D 2/94 | MW-105D 9/94 | MW-105D 2/3/95 | MW-108D 1/20/93 | MW-108D 5/11/93 | MW-108D 10/27/93 | MW-108D 2/94 | MW-108D 9/94 | MW-108D 2/3/95 |
|--|--------------------|--------------------|---------------------|-----------------|-----------------|-------------------|--------------------|--------------------|---------------------|-----------------|-----------------|-------------------|
| Parameter/Sampling Date | | | | | | | | | | | | |
| Bis(2-chloroethyl) ether | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | * | * | * |
| Bis(2-ethylhexyl) phthalate | 2 | 1 | 2UB | * | * | * | <10 | 4 | <12 | * | * | * |
| Butylbenzylphthalate | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | * | * | * |
| Carbazole | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | * | * | * |
| Chrysene | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | * | * | * |
| Di-n-butylphthalate | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | * | * | * |
| Di-n-octyl phthalate | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | * | * | * |
| Dibenz(a,h)anthracene | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | * | * | * |
| Dibenzofuran | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | * | * | * |
| Diethylphthalate | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | * | * | * |
| Dimethyl phthalate | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | * | * | * |
| Fluoranthene | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | * | * | * |
| Fluorene | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | * | * | * |
| Hexachlorobenzene | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | * | * | * |
| Hexachlorobutadiene | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | * | * | * |
| Hexachlorocyclopentadiene | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | * | * | * |
| Hexachloroethane | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | * | * | * |
| Indeno(1,2,3-cd)pyrene | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | * | * | * |
| Isophorone | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | * | * | * |
| N-Nitroso-di-n-propylamine | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | * | * | * |
| N-Nitrosodiphenylamine | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | * | * | * |
| Naphthalene | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | * | * | * |
| Nitrobenzene | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | * | * | * |
| Pentachlorophenol | <25 | <29 | <30 | * | * | * | <25 | <31 | <30 | * | * | * |
| Phenanthrene | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | * | * | * |
| Phenol | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | * | * | * |
| Pyrene | <10 | <12 | <12 | * | * | * | <10 | <12 | <12 | * | * | * |
| 2,3,4,6-Tetrachlorophenol | * | * | * | * | * | * | * | * | * | * | * | * |
| 2,3,5,6-Tetrachlorophenol | * | * | * | * | * | * | * | * | * | * | * | * |
| Dioxins/Furans (ng/l-gpt) | | | | | | | | | | | | |
| 1,2,3,4,6,7,8-Heptachlorodibenzofuran | <0.001 | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,4,6,7,8-HpDD | 0.019 | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,4,7,8,9-Heptachlorodibenzofuran | 0.001 | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin | <0.002 | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,4,7,8-Hexachlorodibenzofuran | <0.002 | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin | <0.002 | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,6,7,8-Hexachlorodibenzofuran | <0.001 | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin | <0.002 | * | * | * | * | * | * | * | * | * | * | * |

Revised: 8/5/95
(WQSUM3A.XLS)

TABLE 6 - Summary of Ground Water Quality Data - Deep Wells

Weyerhaeuser East Site
Everett, Washington

| Site | MW-105D 1/22/93 | MW-105D 5/10/93 | MW-105D 10/27/93 | MW-105D 2/94 | MW-105D 9/94 | MW-105D 2/3/95 | MW-108D 1/20/93 | MW-108D 5/11/93 | MW-108D 10/27/93 | MW-108D 2/94 | MW-108D 9/94 | MW-108D 2/3/95 |
|------------------------------------|--------------------|--------------------|---------------------|-----------------|-----------------|-------------------|--------------------|--------------------|---------------------|-----------------|-----------------|-------------------|
| Parameter/Sampling Date | | | | | | | | | | | | |
| 1,2,3,7,8,9-Hexachlorodibenzofuran | <0.001 | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,7,8-PeDD | <0.002 | * | * | * | * | * | * | * | * | * | * | * |
| 1,2,3,7,8-PeDF | <0.001 | * | * | * | * | * | * | * | * | * | * | * |
| 2,3,4,6,7,8-Hexachlorodibenzofuran | <0.001 | * | * | * | * | * | * | * | * | * | * | * |
| 2,3,4,7,8-Pentachlorodibenzofuran | <0.001 | * | * | * | * | * | * | * | * | * | * | * |
| 2,3,7,8-TCDD | <0.001 | * | * | * | * | * | * | * | * | * | * | * |
| 2,3,7,8-TCDF | <0.001 | * | * | * | * | * | * | * | * | * | * | * |
| OCDD | 0.159 | * | * | * | * | * | * | * | * | * | * | * |
| OCDF | 0.003 | * | * | * | * | * | * | * | * | * | * | * |
| PCBs/Pesticides (ug/l-ppb) | | | | | | | | | | | | |
| 4,4'-DDD | * | * | * | * | * | * | * | * | * | * | * | * |
| 4,4'-DDE | * | * | * | * | * | * | * | * | * | * | * | * |
| 4,4'-DDT | * | * | * | * | * | * | * | * | * | * | * | * |
| Aldrin | * | * | * | * | * | * | * | * | * | * | * | * |
| alpha-BHC | * | * | * | * | * | * | * | * | * | * | * | * |
| alpha-Chlordane | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1016 | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1221 | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1232 | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1242 | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1248 | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1254 | * | * | * | * | * | * | * | * | * | * | * | * |
| Aroclor-1260 | * | * | * | * | * | * | * | * | * | * | * | * |
| beta-BHC | * | * | * | * | * | * | * | * | * | * | * | * |
| delta-BHC | * | * | * | * | * | * | * | * | * | * | * | * |
| Dieldrin | * | * | * | * | * | * | * | * | * | * | * | * |
| Endosulfan I | * | * | * | * | * | * | * | * | * | * | * | * |
| Endosulfan II | * | * | * | * | * | * | * | * | * | * | * | * |
| Endosulfan sulfate | * | * | * | * | * | * | * | * | * | * | * | * |
| Endrin | * | * | * | * | * | * | * | * | * | * | * | * |
| Endrin aldehyde | * | * | * | * | * | * | * | * | * | * | * | * |
| Endrin ketone | * | * | * | * | * | * | * | * | * | * | * | * |
| gamma-BHC (Lindane) | * | * | * | * | * | * | * | * | * | * | * | * |
| gamma-Chlordane | * | * | * | * | * | * | * | * | * | * | * | * |
| Heptachlor | * | * | * | * | * | * | * | * | * | * | * | * |
| Heptachlor epoxide | * | * | * | * | * | * | * | * | * | * | * | * |
| Methoxychlor | * | * | * | * | * | * | * | * | * | * | * | * |
| Toxaphene | * | * | * | * | * | * | * | * | * | * | * | * |

TABLE 6 - Summary of Ground Water Quality Data - Deep Wells

Weyerhaeuser East Site
Everett, Washington

| Site | MW-105D | MW-105D | MW-105D | MW-105D | MW-105D | MW-105D | MW-105D | MW-105D | MW-108D | MW-108D | MW-108D | MW-108D | MW-108D | MW-108D | MW-108D | | | | |
|---|---------|---------|----------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|---------|----------|------|------|--------|-------|
| Parameter/Sampling Date | 1/22/93 | 5/10/93 | 10/27/93 | 2/94 | 9/94 | 2/3/95 | 1/20/93 | 5/11/93 | 10/27/93 | 2/94 | 9/94 | 2/3/95 | 1/20/93 | 5/11/93 | 10/27/93 | 2/94 | 9/94 | 2/3/95 | |
| Metals (ug/l-ppb) | | | | | | | | | | | | | | | | | | | |
| Arsenic - Total | * | * | * | * | * | 3.4 | * | * | * | * | * | * | * | * | * | * | * | * | 44.10 |
| Arsenic - Dissolved | <3 | 3 | <3 | * | * | 3 | 4460 | 5010 | 3380 | 4900 | 3860 | 4170 | * | * | * | * | * | * | 2.9 |
| Chromium - Total | * | * | * | * | * | 3.6 | * | * | * | * | * | * | * | * | * | * | * | * | 2.4 |
| Chromium - Dissolved | * | * | * | * | * | 2.5 | * | * | * | * | * | * | * | * | * | * | * | * | 1.4JB |
| Copper - Total | * | * | * | * | * | 1.0JB | * | * | * | * | * | * | * | * | * | * | * | * | 3.3J |
| Copper - Dissolved | * | * | * | * | * | 1J | * | * | * | * | * | * | * | * | * | * | * | * | 0.8 |
| Lead - Total | * | * | * | * | * | 0.7 | * | * | * | * | * | * | * | * | * | * | * | * | <0.7 |
| Lead - Dissolved | * | * | * | * | * | <0.7 | * | * | * | * | * | * | * | * | * | * | * | * | <0.7 |
| Conventional Parameters (mg/l-ppm) | | | | | | | | | | | | | | | | | | | |
| Calcium | * | * | * | 4 | 4 | 28.9 | * | * | * | * | * | * | * | * | * | * | * | * | 11.5 |
| Magnesium | * | * | * | * | 4 | 18.6 | * | * | * | * | * | * | * | * | * | * | * | * | 15.1 |
| Potassium | * | * | * | * | * | 20.7 | * | * | * | * | * | * | * | * | * | * | * | * | 5.1B |
| Sodium | * | * | * | * | * | 107 | * | * | * | * | * | * | * | * | * | * | * | * | 40 |
| Alkalinity (as CaCO3) | * | * | * | * | * | 360 | * | * | * | * | * | * | * | * | * | * | * | * | 130 |
| Chloride | * | * | * | * | * | 69 | * | * | * | * | * | * | * | * | * | * | * | * | 14 |
| Sulfate | * | * | * | * | * | <0.5 | * | * | * | * | * | * | * | * | * | * | * | * | 49 |
| Total Suspended Solids (TSS) | * | * | * | * | 20 | 4 | * | * | * | * | * | * | * | * | * | * | * | <2 | <2 |

Notes: U - not detected at indicated concentration
 < - not detected at indicated concentration
 * - not analyzed
 J - estimated concentration
 B - constituent detected in laboratory blank

TABLE 6 - Summary of Ground Water Quality Data - Deep Wells

| Site | HC-11D | HC-11D | HC-11D | HC-11D2 | HC-11D2 |
|---|---------|----------|---------|----------|---------|
| Parameter/Sampling Date | 8-18-92 | 11-17-92 | 8-19-92 | 11-20-92 | |
| Area | 3 | 3 | 3 | 3 | 3 |
| Petroleum Hydrocarbons (mg/l-ppm) | | | | | |
| WTPH-G (as gasoline) | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| WTPH-D (as diesel) | <0.2 | <0.2 | <0.2 | <0.2 | 0.20 |
| WTPH-D (as motor oil) | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Volatile Organic Compounds (ug/l-pp) | | | | | |
| 1,1,1-Trichloroethane | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| 1,1,2,2-Tetrachloroethane | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| 1,1,2-Trichloroethane | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| 1,1-Dichloroethane | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| 1,1-Dichloroethene | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| 1,2-Dichloroethane | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| 1,2-Dichloroethylene | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| 1,2-Dichloropropane | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| 2-Butanone | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| 2-Hexanone | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| 4-Methyl-2-pentanone | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Acetone | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Benzene | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Bromodichloromethane | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Bromoform | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Bromomethane | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Carbon disulfide | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Carbon tetrachloride | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Chlorobenzene | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Chloroethane | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Chloroform | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Chloromethane | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| cis-1,3-Dichloropropene | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Dibromochloromethane | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Ethylbenzene | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Methylene chloride | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Styrene | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Tetrachloroethene | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Toluene | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Total Xylenes | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| trans-1,3-Dichloropropene | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Trichloroethene | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Vinyl chloride | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |

TABLE 6 - Summary of Ground Water Quality Data - Deep Wells

| Parameter/Sampling Date | Site | | HC-11D 11-17-92 | HC-11D2 8-19-92 | HC-11D2 11-20-92 |
|--|---------|----------|--------------------|--------------------|---------------------|
| | 8-18-92 | 11-17-92 | | | |
| Semi-volatile Organic Compounds (u) | | | | | |
| 1,2,4-Trichlorobenzene | <0.02 | <0.02 | <0.01 | <0.01 | <0.01 |
| 1,2-Dichlorobenzene | <0.02 | <0.02 | <0.01 | <0.01 | <0.01 |
| 1,3-Dichlorobenzene | <0.02 | <0.02 | <0.01 | <0.01 | <0.01 |
| 1,4-Dichlorobenzene | <0.02 | <0.02 | <0.01 | <0.01 | <0.01 |
| 2,2-oxybis(1-Chloropropane) | <0.02 | <0.02 | <0.01 | <0.01 | <0.01 |
| 2,4,5-Trichlorophenol | <0.05 | <0.05 | <0.025 | <0.025 | <0.025 |
| 2,4,6-Trichlorophenol | <0.02 | <0.02 | <0.01 | <0.01 | <0.01 |
| 2,4-Dichlorophenol | <0.02 | <0.02 | <0.01 | <0.01 | <0.01 |
| 2,4-Dimethylphenol | <0.02 | <0.02 | <0.01 | <0.01 | <0.01 |
| 2,4-Dinitrophenol | <0.05 | <0.05 | <0.025 | <0.025 | <0.025 |
| 2,4-Dinitrotoluene | <0.02 | <0.02 | <0.01 | <0.01 | <0.01 |
| 2,6-Dinitrotoluene | <0.02 | <0.02 | <0.01 | <0.01 | <0.01 |
| 2-Chloronaphthalene | <0.02 | <0.02 | <0.01 | <0.01 | <0.01 |
| 2-Chlorophenol | <0.02 | <0.02 | <0.01 | <0.01 | <0.01 |
| 2-Methylnaphthalene | <0.02 | <0.02 | <0.01 | <0.01 | <0.01 |
| 2-Methylphenol | <0.02 | <0.02 | <0.01 | <0.01 | <0.01 |
| 2-Nitroaniline | <0.05 | <0.05 | <0.025 | <0.025 | <0.025 |
| 2-Nitrophenol | <0.02 | <0.02 | <0.01 | <0.01 | <0.01 |
| 3,3'-Dichlorobenzidine | <0.02 | <0.02 | <0.01 | <0.01 | <0.01 |
| 3-Nitroaniline | <0.05 | <0.05 | <0.025 | <0.025 | <0.025 |
| 4,6-Dinitro-2-methylphenol | <0.05 | <0.05 | <0.025 | <0.025 | <0.025 |
| 4-Bromophenyl-phenylether | <0.02 | <0.02 | <0.01 | <0.01 | <0.01 |
| 4-Chloro-3-methylphenol | <0.02 | <0.02 | <0.01 | <0.01 | <0.01 |
| 4-Chloroaniline | <0.02 | <0.02 | <0.01 | <0.01 | <0.01 |
| 4-Chlorophenyl-phenylether | <0.02 | <0.02 | <0.01 | <0.01 | <0.01 |
| 4-Methylphenol | <0.02 | <0.02 | <0.01 | <0.01 | <0.01 |
| 4-Nitroaniline | <0.05 | <0.05 | <0.025 | <0.025 | <0.025 |
| 4-Nitrophenol | <0.05 | <0.05 | <0.025 | <0.025 | <0.025 |
| Acenaphthene | <0.02 | <0.02 | <0.01 | <0.01 | <0.01 |
| Acenaphthylene | <0.02 | <0.02 | <0.01 | <0.01 | <0.01 |
| Anthracene | <0.02 | <0.02 | <0.01 | <0.01 | <0.01 |
| Benzo(a)anthracene | <0.02 | <0.02 | <0.01 | <0.01 | <0.01 |
| Benzo(a)pyrene | <0.02 | <0.02 | <0.01 | <0.01 | <0.01 |
| Benzo(b)fluoranthene | <0.02 | <0.02 | <0.01 | <0.01 | <0.01 |
| Benzo(g,h,i)perylene | <0.02 | <0.02 | <0.01 | <0.01 | <0.01 |
| Benzo(k)fluoranthene | <0.02 | <0.02 | <0.01 | <0.01 | <0.01 |
| Bis(2-chloroethoxy)methane | <0.02 | <0.02 | <0.01 | <0.01 | <0.01 |

TABLE 6 - Summary of Ground Water Quality Data - Deep Wells

Weyerhaeuser East Site
Everett, Washington

| Site | HC-11D | HC-11D | HC-11D2 | HC-11D2 |
|--|---------|----------|---------|----------|
| Parameter/Sampling Date | 8-18-92 | 11-17-92 | 8-19-92 | 11-20-92 |
| Bis(2-chloroethyl) ether | <0.02 | <0.02 | <0.01 | <0.01 |
| Bis(2-ethylhexyl)phthalate | <0.02 | <0.02 | <0.01 | <0.01 |
| Butylbenzylphthalate | <0.02 | <0.02 | <0.01 | <0.01 |
| Carbazole | <0.02 | <0.02 | <0.01 | <0.01 |
| Chrysene | <0.02 | <0.02 | <0.01 | <0.01 |
| Di-n-butylphthalate | <0.02 | <0.02 | <0.01 | <0.01 |
| Di-n-octyl phthalate | <0.02 | <0.02 | <0.01 | <0.01 |
| Dibenz(a,h)anthracene | <0.02 | <0.02 | <0.01 | <0.01 |
| Dibenzofuran | <0.02 | <0.02 | <0.01 | <0.01 |
| Diethylphthalate | <0.02 | <0.02 | <0.01 | <0.01 |
| Dimethyl phthalate | <0.02 | <0.02 | <0.01 | <0.01 |
| Fluoranthene | <0.02 | <0.02 | <0.01 | <0.01 |
| Fluorene | <0.02 | <0.02 | <0.01 | <0.01 |
| Hexachlorobenzene | <0.02 | <0.02 | <0.01 | <0.01 |
| Hexachlorobutadiene | <0.02 | <0.02 | <0.01 | <0.01 |
| Hexachlorocyclopentadiene | <0.02 | <0.02 | <0.01 | <0.01 |
| Hexachloroethane | <0.02 | <0.02 | <0.01 | <0.01 |
| Indeno(1,2,3-cd)pyrene | <0.02 | <0.02 | <0.01 | <0.01 |
| Isophorone | <0.02 | <0.02 | <0.01 | <0.01 |
| N-Nitroso-di-n-propylamine | <0.02 | <0.02 | <0.01 | <0.01 |
| N-Nitrosodiphenylamine | <0.02 | <0.02 | <0.01 | <0.01 |
| Naphthalene | <0.02 | <0.02 | <0.01 | <0.01 |
| Nitrobenzene | <0.02 | <0.02 | <0.01 | <0.01 |
| Pentachlorophenol | <0.05 | <0.05 | <0.025 | <0.025 |
| Phenanthrene | <0.02 | <0.02 | <0.01 | <0.01 |
| Phenol | <0.02 | <0.02 | <0.01 | <0.01 |
| Pyrene | <0.02 | <0.02 | <0.01 | <0.01 |
| 2,3,4,6-Tetrachlorophenol | * | * | * | * |
| 2,3,5,6-Tetrachlorophenol | * | * | * | * |
| Dioxins/Furans (ng/l ppb) | | | | |
| 1,2,3,4,6,7,8-Heptachlorodibenzofuran | * | * | * | * |
| 1,2,3,4,6,7,8-HpDD | * | * | * | * |
| 1,2,3,4,7,8,9-Heptachlorodibenzofuran | * | * | * | * |
| 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin | * | * | * | * |
| 1,2,3,4,7,8-Hexachlorodibenzofuran | * | * | * | * |
| 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin | * | * | * | * |
| 1,2,3,6,7,8-Hexachlorodibenzofuran | * | * | * | * |
| 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin | * | * | * | * |

TABLE 6 - Summary of Ground Water Quality Data - Deep Wells

| Site | HC-11D 8-18-92 | .HC-11D 11-17-92 | HC-11D2 8-19-92 | HC-11D2 11-20-92 |
|------------------------------------|-------------------|---------------------|--------------------|---------------------|
| Parameter/Sampling Date | | | | |
| 1,2,3,7,8,9-Hexachlorodibenzofuran | * | * | * | * |
| 1,2,3,7,8-PeDD | * | * | * | * |
| 1,2,3,7,8-PeDF | * | * | * | * |
| 2,3,4,6,7,8-Hexachlorodibenzofuran | * | * | * | * |
| 2,3,4,7,8-Pentachlorodibenzofuran | * | * | * | * |
| 2,3,7,8-TCDD | * | * | * | * |
| 2,3,7,8-TCDF | * | * | * | * |
| OCDD | * | * | * | * |
| OCDF | * | * | * | * |
| PCBs/Pesticides (ug/l-ppb) | | | | |
| 4,4'-DDD | * | * | * | * |
| 4,4'-DDE | * | * | * | * |
| 4,4'-DDT | * | * | * | * |
| Aldrin | * | * | * | * |
| alpha-BHC | * | * | * | * |
| alpha-Chlordane | * | * | * | * |
| Aroclor-1016 | * | * | * | * |
| Aroclor-1221 | * | * | * | * |
| Aroclor-1232 | * | * | * | * |
| Aroclor-1242 | * | * | * | * |
| Aroclor-1248 | * | * | * | * |
| Aroclor-1254 | * | * | * | * |
| Aroclor-1260 | * | * | * | * |
| beta-BHC | * | * | * | * |
| delta-BHC | * | * | * | * |
| Dieldrin | * | * | * | * |
| Endosulfan I | * | * | * | * |
| Endosulfan II | * | * | * | * |
| Endosulfan sulfate | * | * | * | * |
| Endrin | * | * | * | * |
| Endrin aldehyde | * | * | * | * |
| Endrin ketone | * | * | * | * |
| gamma-BHC (Lindane) | * | * | * | * |
| gamma-Chlordane | * | * | * | * |
| Heptachlor | * | * | * | * |
| Heptachlor epoxide | * | * | * | * |
| Methoxychlor | * | * | * | * |
| Toxaphene | * | * | * | * |

TABLE 6 - Summary of Ground Water Quality Data - Deep Wells

| Parameter/Sampling Date | Site | | Site | | Site | |
|--|-------------------|--------------------|--------------------|---------------------|--------------------|---------------------|
| | HC-11D 8-18-92 | HC-11D 11-17-92 | HC-11D2 8-19-92 | HC-11D2 11-20-92 | HC-11D2 8-19-92 | HC-11D2 11-20-92 |
| Metals (ug/l, ppb) | | | | | | |
| Arsenic - Total | <1.1 | <1.7 | <1.7 | <1.7 | <1.7 | <1.7 |
| Arsenic - Dissolved | <1.7 | <0.7 | 2.7 | <1.7 | 2.7 | <1.7 |
| Chromium - Total | <4.0 | 3.8 | <2.9 | <2.9 | <2.9 | <2.9 |
| Chromium - Dissolved | <3.1 | <3.8 | <2.9 | <2.9 | <2.9 | <2.9 |
| Copper - Total | <3.9 | <3.4 | <3.4 | <3.7 | <3.4 | <3.7 |
| Copper - Dissolved | <3.4 | <3.4 | <3.4 | <3.4 | <3.4 | <3.4 |
| Lead - Total | <0.9 | <0.9 | <0.9 | <0.9 | <0.9 | <0.9 |
| Lead - Dissolved | <2.9 | <0.5 | <5.3 | <0.9 | <5.3 | <0.9 |
| Conventional Parameters (mg/l, ppm) | | | | | | |
| Calcium | * | * | * | * | * | * |
| Magnesium | * | * | * | * | * | * |
| Potassium | * | * | * | * | * | * |
| Sodium | * | * | * | * | * | * |
| Alkalinity (as CaCO3) | * | * | * | * | * | * |
| Chloride | * | * | * | * | * | * |
| Sulfate | * | * | * | * | * | * |
| Total Suspended Solids (TSS) | * | * | * | * | * | * |

Notes: U - not detected at indicated concentration
 < - not detected at indicated concentration
 * - not analyzed
 J - estimated concentration
 B - constituent detected in laboratory blank