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2:05 pm, Nov 05, 2008

Alameda County
Environmental Health

November 4, 2008

Jerry Wickham, PG
Alameda County Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Revised Site Conceptual Report
Carnation Dairy, 1310 14th Street, Oakland, CA
Fuel Leak Case No. RO0000018 and Geotracker Global ID T0600100262

Dear Mr. Wickham:

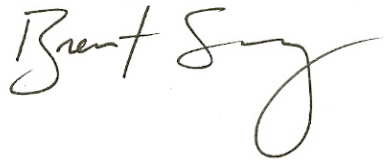
On behalf of Nestlé USA, Inc. (Nestlé), Environmental Cost Management, Inc. (ECM) has prepared this *Revised Site Conceptual Model Report* (SCM)for the site located at 1310 14th Street in Oakland, California.

This report is submitted as requested in the directive from the ACHS dated September 28, 2007 and the subsequent letter from ACHS dated August 27, 2008 in response to the *Supplemental Soil Gas, Soil and Groundwater Investigation Report* submitted on July 23, 2008. This revised SCM updates the information previously presented in the January 2001 *Comprehensive Site Characterization Report* from ETIC Engineering by integrating and analyzing data collected since the submittal of that report. Information presented within this report also provides a comprehensive collection of data that will be used in support of the upcoming revised Risk Assessment for the site.

Should you have any questions, please call me at (510) 433-0669.

Perjury Statement

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.



Brent Searcy, P.E.
Senior Engineer
Environmental Cost Management, Inc.

Enclosure: Supplemental Soil, Soil Gas, and Groundwater Investigation
Cc: Mike Desso, Nestlé USA (CD copy)
Noelia Marti-Colon, Nestlé USA, Legal (CD and hard copy)
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Report to:
Nestlé USA, Inc.
800 North Brand Boulevard
Glendale, California 91203

Revised Site Conceptual Model Report
Former Nestlé USA, Inc. Facility
1310 14th Street, Oakland, CA

November 04, 2008

Prepared By:

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1 INTRODUCTION

On behalf of Nestlé USA, Inc. (Nestlé), Environmental Cost Management, Inc. (ECM) has prepared this Revised Site Conceptual Model (SCM) for the former Nestlé facility (Site) once located at 1310 14th Street, Oakland, California (Figure 1). This SCM Report provides comprehensive historical environmental investigation data and interprets the existence of residual hydrocarbons and VOCs beneath the Site.

This report responds to a series of requests made in the Alameda County Health Care Service's (ACHS) directive dated September 28, 2007. This directive requested additional data and reporting related to the delineation of Site conditions, data gaps, and a revised SCM.

The following reports have addressed ACHS's requests for additional site delineation and closure of identified data gaps as outlined in the September 28, 2007 directive:

- *Response to Alameda County Health Care Services Comment Letter dated February 13, 2008 and Revised PCB Workplan* (ECM, 2008), and
- *Supplemental Soil, Soil Gas, and Groundwater Investigation Report* (ECM, 2008).

By letter dated August 27, 2008, ACHS approved investigation activities listed above and requested submittal of this revised SCM integrating the findings of recent investigation activities. This SCM report integrates the results and interpretations of these recent investigation activities with those of historical site data.

The *2001 Comprehensive Site Characterization Report, Former Nestlé USA, Inc. Facility* (ETIC, 2001) provides a comprehensive characterization of the Site through January 2001. This *Revised SCM Report* serves to update the overall site conceptual model by integrating recent data with the preexisting historical understanding of Site conditions.

2 SITE HISTORY

2.1 Operational History

The former Nestlé facility, originally constructed by American Creamery in 1915, was used to manufacture ice cream and packaged milk. Carnation purchased the property in 1929 and made additions and improvements between 1946 and 1973 for dairy product processing and distribution. Nestlé USA, Inc. assumed operation of the property following its purchase of Carnation in 1985. Nestlé ceased operations at the property in 1991 (HLA, 1991). The facility was used for the distribution of ice cream and packaged fresh milk by trucks. The delivery trucks were fueled at dispensers near service bays located at the northwest corner of the Site and were repaired and maintained on the Site.

A chronological summary of historical operations and remedial actions and at the Site is provided below. In addition, Appendix A provides a series of historical aerial photos that illustrate changes in the development of the Site over time.

1915 - 1979

- Original facilities constructed by American Creamery in 1915
- Site further developed for ice cream manufacturing and distribution and milk packaging activities by Carnation between 1946 and 1973

- Site facilities, following development by Carnation, included food processing equipment, large cooler/freezer rooms, and 5 underground storage tanks (USTs, 2 gasoline, 2 diesel, 1 waste oil) for delivery vehicles

1980s

- Ice cream manufacturing and distribution activities reduced in late 1980s
- In early 1988, ice cream and milk distribution ceased
- In December 1988 and January 1989, five USTs were excavated and removed from the Site
- Free product was observed in the tank excavation during UST removal
- 1,200 cubic yards of soil removed during UST excavation, treated on-site, and replaced in excavation

1990s

- Based on observations during tank excavation and soil removal, additional remediation efforts were initiated in the early 1990s
- SVE system operated in former UST area from January 1994 through 1995, removing approximately 34,000 pounds of hydrocarbons
- A multi-phase extraction system operated from August 1997 through June 2000, removing 10,875 pounds of hydrocarbons
- Due to observed reductions in LPH measurements, in November 1999 ACHA and RWQCB agreed to the termination of active remediation
- Per agreement with ACHA and RWQCB, Nestlé monitored a network of 11 monitoring wells for petroleum and HVOCs in groundwater semi-annually for two years
- Risk Based Corrective Action (RBCA) analysis was initiated to address residual concentrations remaining on-site

2000s

- Operation of the multi-phase extraction system terminated in June 2000
- During January through July 2000, RBCA, Soil Management Plan (SMP), and Deed Restriction submitted to and accepted by the ACHA
- RBCA analysis concluded that no significant risk to human health exists as a result of residual chemicals in soil or groundwater for all applicable exposure pathways
- To protect against possible direct exposure routes to future construction workers, a Risk Management Plan and deed restriction were submitted in 2000
- Nestlé sold the Site to Encinal 14th Street, LLC in July 2000, with RBCA, Risk Management Plan (RMP), and deed restriction in place. We understand that Hall Equities Group currently manages portions of the property for Encinal 14th Street, LLC.
- To summarize the Site history and status in advance of site closure considerations, Nestlé submitted a Comprehensive Site Characterization Report to ACHA in January 2001
- Nestlé submitted a Request for Case Closure to ACHA in February 2002
- All unused wells were properly abandoned in December 2002, with approval from the ACHA
- Nestlé requested site closure with the submittal of the semiannual groundwater monitoring report dated February 23, 2005
- Nestlé submitted closure request follow-up letters to the ACHA on June 12, 2006 and June 15, 2007
- In response to ACHS' September 28, 2007 directive, Nestlé performed and submitted results of additional field sampling in March and July 2008

- By letter dated August 8, 2008, ACHS established a separate case for the northwest portion of the property ("Parcel B"), thus separating regulatory oversight of the northwest portion, which is the subject of this report, from the other three subdivided parcels of the property.

2.2 On-Site Structures and Features

The historical fueling and maintenance operations which are the primary source of historical chemical impacts to soils and groundwater (see Section 3 below) are related releases from the following underground storage tanks (USTs):

- One used-oil tank (1,000-gallon capacity),
- Two gasoline tanks (10,000-gallon capacity each), and
- Two diesel fuel tanks (12,000-gallon capacity each).

The fuel system included underground piping that connected the USTs to the dispensers outside of the service bays. Figure 2 shows the locations of the former USTs and piping.

Figure 2 illustrates the primary features on-site as of October 2008. As detailed in Section 2.1, the Site ceased operations as an ice cream production and distribution facility, and Nestlé has transferred ownership to Encinal 14th Street LLC in 2000. Encinal has subdivided the property into 4 separate parcels. As of November 2008, Encinal is the current owner of the northwestern parcel which is the focus of this revised SCM Report (see Figure 1). The Site has not been in active use as an industrial/commercial facility since the late 1980s. Demolition of several buildings and a re-grading of surface soils occurred in 2007 and 2008 on portions of the property. The locations of the previous USTs and associated subsurface piping are indicated in Figure 2, as well as the footprint of the existing L-shaped (formerly truck maintenance) building, which extends along the northern and western edges of the property. This building is an open structure approximately 29,000 square feet in size and contains multiple roll-up vehicle access doors opening to the interior of the property.

The existence of historical construction drawings for this truck maintenance building have been researched using County of Alameda and Nestlé corporate archives, but no such drawing have been located. Historic coring and drilling activities have indicated the concrete slab foundation varies in thickness from 4 to 8 inches. Building footings likely exist beneath the exterior and load bearing walls. The depth of these footings is unknown, although construction codes and practices at the approximate time of construction suggest a likely depth of 2 to 15 feet below grade, depending on the load distribution technique implemented. The possible presence of these load-bearing footings and/or consolidated soils beneath these footings may form a downgradient barrier to shallow groundwater flow in the subsurface along the northwestern edge of the Site boundary (see Section 6 for further discussion).

To better understand the distribution and movement of chemicals of concern (COCs), Subdynamic Corporation conducted a comprehensive survey of subsurface utility corridors in November 2007. The findings of this in-field survey are presented in Figure 3. The results of this subsurface conduit survey confirmed the existence of on- and off-site utility trenches. All on-site utilities were concluded to be abandoned or no longer operational in terms of actively conveying electricity, telecommunication data, potable water, or storm/sewer waters. Section 3 addresses the utility survey findings relative to the potential influence on subsurface distribution and transport of COCs.

This on-site utility survey also addresses concerns raised in the September 2007 ACHS directive regarding possible residual diary fat or detergent impacts in the subsurface. Information collected regarding the abandoned and non-operational sewer and/or storm drains on the site indicates there are no active sources of such substances within utility conduits beneath the site.

3 GEOLOGY AND HYDROGEOLOGY

3.1 Regional Geology

The Site is located in an area of the San Francisco Bay region generally underlain by bay mud, the Merrit Sand, and Younger and Older Alluvium (HLA, 1991). The San Francisco Bay is located approximately 2 miles to the west of the Site. The San Andreas Fault is located approximately 9 miles west, and the Calaveras/Hayward fault zone lies approximately 8 miles east. Shallow soils in this area of the eastern shore of the San Francisco Bay generally consist of clayey or silty sands. Due to its limited extent and thickness, the saturated portion of the Merritt Sand in this immediate region is not considered a drinking water resource (ACFCD, 1988).

3.2 Site-Specific Geology and Hydrogeology

Soil borings extended and logged from 8 to 25 feet below ground surface (ft bgs) provide geologic data for a thorough characterization of subsurface geology (HLA, 1991; ETIC, 1999; ECM, 2008). Soils are predominantly well-sorted sands (SP), with discontinuous areas of clayey or silty sands (SC, SM). Hydraulic conductivities of these soils have been estimated at approximately 30 ft/day (HLA, 1999). Boring log information collected during historical soil boring investigations have been used in developing lithologic cross sections, as shown in Figures 4 through 6.

Groundwater has historically been encountered at depths ranging from approximately 5 to 12 feet below ground surface (bgs). Most recently, static groundwater elevations encountered in borings extended during the May 2008 site investigation were in the 9 to 10 ft bgs range. Groundwater generally flows to the north-northwest (toward 16th Street) at an average gradient of 0.0027ft/ft (ETIC, 2001). Figure 7 shows the range of groundwater flow directions from December 1995 through April 2000, and confirms the observation that the groundwater flow direction has been generally consistent and does not change significantly throughout the annual hydraulic cycle.

In the September 28, 2007 directive from ACHS, groundwater elevations measured at MW-25 are cited as appearing inconsistent with the existing site conceptual model with respect to the hydrogeology and typical groundwater gradient direction at the site. Historic groundwater elevations from 1994 through 2004 at well MW-25, as well as at nearby wells MW-26 through MW-29 (off-site) and wells MW-6 and MW-30 (on-site), are shown in Figure 8. This historical data shows that while groundwater elevations at monitoring well MW-25 have occasionally differed from nearby wells (most notably in April 2000), groundwater data from this well has typically been consistent with the site-wide north to northwest gradient across the site.

A review of groundwater elevations for MW-25 and other monitoring wells located within 16th Street indicates that the groundwater gradient is less steep in the area of 16th Street relative to the gradient on-site. In addition, based on the location of off-site storm drain and potable water lines (see Figure 3), the possibility is recognized that leaks from potable water or storm water could contribute to the slight increase in groundwater elevations occasionally observed at MW-25 and other wells within 16th Street. The sporadic nature of these elevated groundwater elevations for wells within 16th Street suggests that any such contributions from leaking utilities results in minor and transient changes in groundwater elevations that do not significantly alter the overall groundwater gradient and flow direction in the area immediately to the north of the Site.

4 CHEMICAL CHARACTERIZATION

4.1 Soil Gas Characterization

Soil gas samples were collected across the Site during two separate studies (in August 1999 and May 2008) to document the existence of any VOCs in shallow soil gas. Both soil gas investigations addressed soil vapor conditions following active remediation activities (see Section 5 for details of remedial activities). Data from these investigations will be used for an upcoming revised Risk Assessment. Tables 1a and 1b and Figures 9 and 10 illustrate the results of these soil gas sampling investigations.

4.1.1 August 1999 Investigation

The August 1999 investigation supported the proposed shut down of the multi-phase extraction system and planned regulatory closure discussions. Table 1a and Figure 8 show soil gas concentrations from 15 soil borings sampled at 3 feet bgs using direct-push equipment and summa canisters for vapor collection. Protocols for the collection of soil gas samples are provided in Appendix E of the January 2001 *Comprehensive Site Characterization* (ETIC, 2001). Soil gas sampling locations represented areas thought to overlie the highest groundwater contaminant levels and the perimeter and downgradient edge of the soil and groundwater plume. Active operation of the existing multi-phase extraction system ceased 24 hours prior to the soil gas sampling and remained off until the conclusion of soil gas sampling.

All soil gas samples were analyzed using USEPA Compendium Method TO-14/TO-14A for volatile organic compounds. Benzene and other fuel hydrocarbon compounds were measured in the soil vapor samples. Benzene concentrations ranged from 0.91 to 9,900 ppbv (Table 7). Non-fuel hydrocarbon compounds detected in the soil vapor were acetone (10–260 ppbv), ethanol (23–1,400 ppbv), Freon-12 (0.93–630 ppbv), and tetrachloroethene (1.2–160 ppbv). 1,2-DCA was not detected in the soil vapor at or above the respective laboratory reporting limits.

4.1.2 May 2008 Investigation

The May 2008 investigation followed several closure requests made to the ACHS between 2002 and 2007 and addressed the ACHS' directive dated September 28, 2007. Soil gas concentrations from this investigation are reported in Table 1b and Figure 9.

Soil gas sampling was performed as per the protocol recommended by the *Los Angeles Regional Water Quality Control Board (LARWQCB)/California Department of Toxic Substances Control (DTSC) Advisory for Active Soil Gas Investigations* (LARWQCB/DTSC, 2003). A California certified on-site mobile lab (TEG, Inc) with full gas chromatography (GC) and mass spectrometry (MS) capabilities (ECM, 2008) analyzed all soil gas samples immediately following sample collection.

Leak tests were conducted at every soil gas sampling location. 1,1-difluoroethane was used as a leak check compound around the probe rods prior to soil vapor sampling at each temporary vapor sampling point. No 1,1 difluoroethane was detected at or above the DTSC-recommended leak check compound at a reporting limit of 10 micrograms per liter (µg/L) in any of the vapor samples (ECM, 2008). After leak testing and purging, soil gas samples were collected using a 100-ml, gas-tight syringe fitted with an inert valve and connected to the 1/8-inch Teflon tubing. Syringes were immediately walked to the on-site laboratory and analyzed within 20 minutes.

Soil gas samples were collected from 12 sampling locations at a depth of 5 ft bgs. Soil gas samples from each boring were analyzed according to the following methods:

- EPA 8015M for gasoline (TPH-g) and diesel (TPH-d) range organics, and
- EPA method 8260B for BTEX and VOCs.

Five of the 12 sampling locations exhibited detectable concentrations of hydrocarbons or VOC constituents. TPH-g concentrations ranged from below the laboratory reporting limit of 50 µg/L to 2,600 µg/L at boring SB-22. TPH-d was not detected in any soil gas samples. Benzene was detected at two of the 12 sampling locations, with the highest concentration at 40 µg/L at boring SB-22. Ethylbenzene, toluene, and xylenes were detected at 3 of the 12 sampling locations. No detections of 1,2-DCA were reported in any of the soil gas samples. Detections of dichlorodifluoromethane (i.e., Freon-12) characterized soil gas samples from two soil borings (SB-22 and SB-26).

4.2 Soil Characterization

Three separate historical field investigations in 1991, 1999, and 2008 involved subsurface soil sampling and analysis. Results from these soil investigations are detailed in Tables 2 through 3 and Figures 11 through 15. Soil data gathered after active remediation activities have been integrated in the development of the Figures 16 through 27, which depict three dimensional and cross-sectional interpolations of residual COCs.

4.2.1 1991 Soil Sampling Investigation

An initial investigation conducted in 1991 yielded soil samples from 5, 10, 12.5, 15, and 20 ft. bgs at locations shown in Figures 10 through 14. The highest TPH-g and TPH-d concentrations were measured in the area immediately to the north and northwest of the former UST area, generally at 10 feet bgs (HLA, 1991).

The soil boring data indicated that TPH-g impacts were mainly limited to the 5 to 15 feet bgs interval. The maximum TPH-g concentration at 5 ft bgs was 2,500 mg/kg. At 10 ft bgs, the maximum was 10,000 mg/kg. By 15 ft bgs, the maximum concentration dropped to 1,900 mg/kg, and at 20 ft bgs, the maximum TPH-g level decreased to 260 mg/kg.

The TPH-d distribution followed a similar pattern. The maximum TPH-d impact at 5 ft bgs was 470 mg/kg. At 10 ft bgs, the maximum increased to 940 mg/kg. By 20 ft bgs, the maximum TPHd level dropped to 23 mg/kg.

4.2.2 1999 Soil Sampling Investigation

An August 1999 investigation was performed in order to collect soil samples and characterize hydrocarbon impacts primarily at the site perimeter to the north and west of the former UST area. The August 1999 investigation involved collection of soil samples from 13 soil borings (SB1 through SB15) shown in Figure 16, 20, and 24. The locations of the borings were selected to represent subsurface conditions in the area downgradient (NNW) of the UST source areas (see Figure 2) and to assess impacts beneath the footprint of the L-shaped building on the northwest edge of the property. Remediation equipment and aboveground piping restricted boring locations to the south side of the piping in the former repair garage bay (SB6) and to the end bay at the east side of the building (SB14). Results of soil samples collected in August 1999 are shown in Table 2.

Low levels (at or below 2.7 micrograms per kilogram [ug/kg]) of 1,2-DCA, tolulene, ethylbenzne and total xylenes characterized the 3.5 to 4.0 ft bgs interval. Maximum TPH-d was 1,200 mg/kg in this interval.

Sporadic concentrations of hydrocarbons and halogenated VOCs (HVOCs) characterized the soil at the water table (6.5 to 7.0 feet bgs). 1,2-DCA concentrations ranged from below laboratory reporting limits at multiple locations to 430 µg/kg at SB6 within this vertical interval. Elevated concentrations of hydrocarbons were measured at sampling locations SB3, SB6, SB8, and SB12, and SB14, with TPH-g ranging from 2.25 to 10,100 mg/kg, TPH-d ranging from 60 to 2,900 mg/kg, and benzene ranging from 0.07 to 76 mg/kg for benzene..

4.2.3 2008 Soil Sampling Investigation

Following requests from the ACHS for additional delineation of potential residual hydrocarbons and polychlorinated biphenyls (PCBs) in the subsurface at the Site (ACHS, 2007), a May 2008 soil boring investigation was performed. This investigation involved the advancement and collection of soil samples from 15 borings (SB16 through SB27 and PCB4 through PCB6). Soil borings were located in areas of suspected residual hydrocarbon impacts and at the perimeter of impacted area in order to provide improved delineation of current residual COCs present beneath the site..

For the May 2008 soil sampling investigation, soil borings were advanced using a 2-inch diameter direct-push Geoprobe® coring method and logged (ECC, 2008). At each boring, a soil sample was collected from immediately above the first-encountered saturated zone, typically between 6 and 10 ft. bgs, as documented in Figures 16 through 27. Per prior agreement with the ACHS, soil boring SB-17 was to be extended up to 30 ft. bgs, collecting soil samples every 5 feet. The Geoprobe® was unable to drive sampling rods through saturated and consolidated sands encountered in this boring at approximately 20 ft. bgs. Samples were, therefore, collected and analyzed from 5, 10, 15, and 20 ft. bgs at soil boring SB-17.

Soil samples were analyzed for TPH-g, TPH-d, and TPH as motor oil (TPH-mo) via EPA Method 8015B modified and BTEX via EPA method 8260B. Soil samples were also analyzed for 1,2-DCA via EPA method 8260B and PCBs via EPA Method 8082 and some locations (see Table 3). Duplicate soil samples were also collected to validate and verify soil sampling consistency and method.

TPH-g, TPH-d, and TPH-mo results were consistent with the impacts identified in previous soil and groundwater sampling efforts. Elevated levels of hydrocarbons were detected at borings located to the north and northwest of the former UST locations (`see Figure 2). TPH-g ranged from ND up to 12,000 mg/kg. TPH-d ranged from ND up to 17,000 mg/kg. TPH-mo ranged from ND up to 13,000 mg/kg. All three maximum TPH fraction results came from SB-17 at 10 to 10.5 ft. bgs vertical interval, as did the highest benzene concentration of 140 mg/kg. TPH and benzene concentrations in soil samples collected above (8-8.5 ft bgs) and below (15-15.5 ft bgs) this interval were typically at least one order of magnitude lower. All the most elevated results came from borings north and northwest of the former UST locations (see Figures 16 through 23). 1,2-DCA was not detected above detection limit at any of the soil boring sampling locations.

Results from SB-17 confirmed the absence of BTEX constituents below 10 ft bgs and TPH-g, TPH-d, and TPH-mo below 15 ft. bgs (see Figures 16 through 27).

Depending on seasonal variations in the depth to groundwater, residual soil impacts below the August 2008 groundwater table could be exposed to the vadose zone and volatilize, depending on

the particular COC and soil conditions, to the soil gas matrix. A revised Risk Assessment will address subsurface soil gas concentrations (see Section 6 below).

Per a request made by ACHS in the September 28, 2007 directive, soil samples were analyzed for PCBs at eight borings at depths ranging from 8.5 to 9.5 ft. bgs (see Table 3). PCBs did not exceed detection limits. These results are consistent with prior reports which stated that there were no sources of PCBs at the Site from dairy operations.

4.3 Groundwater Characterization

As many as 65 monitoring wells were sampled to characterize dissolved hydrocarbons and VOCs in groundwater. The number of groundwater monitoring wells was reduced in 2004, consistent with ACHS approval in November 2002. Between December 2002 and late 2004, 11 monitoring wells were sampled. Grab groundwater samples were collected during the May 2008 soil boring investigation, as requested by the ACHS in the September 28, 2007 directive. Cumulative groundwater monitoring results (1993 through 2008) are shown in Table 4.

Historical groundwater results show that positive TPH-g and benzene detections are generally limited to the area immediately downgradient (NNW) of the former USTs. Dissolved hydrocarbons have historically existed immediately downgradient of the former UST location at wells PR50, PR53, and PR64. Benzene and TPH-g attenuate in the downgradient direction to levels of 120 ug/L and 740 ug/L respectively at well MW26 (located on the south side of 16th Street). Monitoring wells farther downgradient from MW26 did not contain detectable TPH-g and benzene from 2002 through 2004, as shown documented in Table 4. Wells sampled to the west and east (cross-gradient) and south (upgradient) of the former UST area have not exhibited detectable TPH-g or BTEX, with the exception of 0.60 ug/L benzene and 0.90 ug/L ethylbenzene in upgradient well MW-33.

Historical groundwater sampling results and estimated TPH-g, TPH-d, and benzene isoconcentration contours are presented for sampling events in 2000, 2004, and 2008 in Figures 28 through 33. These plots indicate the stable condition of hydrocarbon constituents since the active remedial activities (i.e., multi-phase extraction) were terminated in the second quarter of 2000.

HVOCs in groundwater have historically existed in the area immediately downgradient of the former UST locations and at lower levels further downgradient in the area of 16th Street. The predominant HVOC is 1,2-DCA, which has a historical maximum concentration of 2,200 µg/L found in a grab groundwater sample from boring SB-18. Post-remediation monitoring revealed a maximum 1,2-DCA level of 83 µg/L in downgradient wells within 16th St. Groundwater monitoring data show no predominant or persistent source of HVOCs.

Per regulatory requests made by ACHS in the September 28, 2007 directive, groundwater samples were analyzed for PCBs at eight borings during the May 2008 investigation. As indicated in Table 5, laboratory reports show that no PCBs exceeded detection limits. The absence of PCB detections in groundwater confirms that PCBs are not present at the Site.

4.4 Liquid Phase Hydrocarbon (LPH) Characterization

LPH has been present in the area of the USTs and maintenance bays since UST removal in 1988. More that 50 wells monitored the LPH. As indicated in Figure 34 and Table 6, wells that historically reported the most significant LPH levels showed significant reductions in LPH thickness as a result

of multi-phase extraction efforts at the site. Following the cessation of regular LPH monitoring in August 2001, semi-annual groundwater sampling was performed at 11 on- and off-site wells from November 2002 through November 2004. LPH was not observed in any of these 11 monitoring wells during the semi-annual sampling events conducted during that time period.

Historical LPH gauging through August 2001 shows that LPH is not migrating following the termination of active remediation in the second quarter of 2000. This conclusion is based on the following facts:

- The number and location of wells containing LPH did not change prior to LPH recovery initiated in late 1997.
- The number of wells containing measurable LPH decreased since multi-phase extraction was initiated in late 1997.
- LPH has not been detected in any well outside the group of wells that have historically contained measurable LPH thickness (see Table 6 and Figure 34), and
- LPH was never observed in any of the of the 11 post-remediation groundwater monitoring wells sampled from November 2002 through November 2004

5 REMEDIATION ACTIVITIES

Four fuel USTs and associated dispensers and piping were excavated on December 19, 1988. One 1,000-gallon used-oil tank was removed on January 12, 1989. The former tank and fuel line excavation areas are shown in Figure 2. Each of the removal actions was documented in an 1989 report (AGE, 1989). Removal of the tanks and piping stopped the primary source of COC release to the subsurface.

Between January and March 1989, 1,200 cubic yards of soil were removed in the area of the former tanks and lines. This soil was treated onsite and placed back into the excavation. Following removal of the five USTs in December 1988 and January 1989, LPH skimming began in January 1989. LPH skimming removed approximately 1,800 gallons of LPH (ETIC, 2001).

Because of the nature of the release and observations made during tank excavation activities, LPH was assumed to have impacted soil and groundwater outside the area of excavation. Due to these impacts a SVE system began treating residual hydrocarbons in 1994 in the vadose zone immediately to the north and northwest of the former UST area (ETIC, 2001). This system operated until December 1995 and removed approximately 5,200 pounds of hydrocarbons.

A multiphase extraction system addressed both LPH and dissolved-phase hydrocarbons in the subsurface, starting in August 1997 (ETIC, 2001). This system extracted LPH entrained above the groundwater table and floating directly on the groundwater table, as well as groundwater itself and subsurface vapors in areas with high dissolved hydrocarbon concentrations. This system operated until June 2000 and removed approximately 10,875 pounds of hydrocarbons and reduced residual LPH levels at the Site significantly (see Figure 34).

LPH thickness in monitoring wells declined until the cessation of dual phase extraction activities. In November 1999, ACHA and RWQCB agreed that the Site conditions satisfied the criteria for consideration of closure as a low risk site with respect to petroleum hydrocarbons and residual HVOCs, and that the Site did not warrant further active remediation (ETIC, 2001). Multiphase extraction ceased in June 2000. Eleven groundwater monitoring wells were monitored on a semi-annual basis between 2000 and 2004, as directed by ACHS.

6 DISCUSSION AND FINDINGS

This report provides a complete historical characterization of the Site and a revised site conceptual model. In updating and integrating data collected since the 2001 *Comprehensive Site Characterization Report*, this document serves as a complete summary of the geology, hydrogeology, and delineation of subsurface COCs.

Specific findings and revisions to the site conceptual model include the following:

- This SCM report documents and integrates the soil and groundwater data from the field investigation conducted in May 2008 in response to the September 28, 2007, ACHS directive, providing a thorough site characterization.

  A subsurface utility survey and assessment was performed, in part, to assess the possible presence of any conduits which might contribute to the migration of COCs across and/or off of the site. A review of the identified utilities shown in Figure 3 illustrates that there were no abandoned conduits found which would likely lead to subsurface transport of COCs away from the former UST source area. Conduits identified during the survey were located to the north and east of the former UST area and do not extend into the area associated with the former USTs and the primary original source of hydrocarbons within the subsurface. The subsurface utility survey and assessment, therefore, indicates that subsurface utilities do not act as conduits for preferential migration of COCs in the subsurface.

- The subsurface utility survey and assessment indicates that subsurface utilities are abandoned or inoperable. No active sewer lines were identified on-site during the November 2007 utility survey. Abandoned sewer lines have likely not carried wastewater generated on-site since at least 1988, when ice cream production activities were terminated at the site. Based on the typical degradation potential for dairy fats or detergents and the approximately 20 years which have passed since active food processing activities at the site, abandoned subsurface utilities do not appear to represent a source of diary fats or detergents at the site.

- All on-site sources of COCs have been removed. Residual COC impacts are related to releases from the former USTs at the site and the migration of released hydrocarbons in a downgradient (north to northwestern) direction until the tanks were remove in 1988 and 1989. Following the removal of these UST sources and the migration of LPH and dissolved phase hydrocarbons in a generally northwest direction and the subsequent remediation efforts at the site, the area of current residual hydrocarbon impact is now confined primarily to the area northwest of the former UST and south of 16th St., as depicted in Figures 16 through 27.

- Soil, groundwater, and LPH data indicate that the hydrocarbon and HVOC impacts are not increasing near the former USTs. LPH is either no longer present, or reduced to levels not observable during the most recent sampling events, as shown in Figure 34.

- The dissolved hydrocarbon plume is not migrating. This conclusion is based on the data and figures presented in this report related to long-term groundwater monitoring at wells downgradient of the former UST area and off-site in the area of 16th Street. COC

concentrations in monitoring wells downgradient of the primary area of LPH impact have stabilized at low and/or non-detectable levels, as shown in Table 4 and Figures 29, 31, and 33.

Off-site monitoring wells MW-25, MW-27, and MW-30 have remained non-detect for hydrocarbons through the entire November 2002 to November 2004 post-remediation monitoring period. Hydrocarbon levels in MW-26, located off-site and downgradient of the area of primary on-site LPH impact, declined from 5,590 µg/L to 740 µg/L TPH-g and 1,630 to 120 µg/L during the same post-remediation period. Stable COC concentrations characterized hydrocarbon levels in the 11 post-remediation wells from November 2002 to November 2004.

- LPH impacts have been limited to the Site and has not migrated from the original area of LPH impact to the north and northwest of the former UST area. More than 15 years of groundwater monitoring data supports this finding (see Tables 4 and 6). A review of cross-sections for the site (see Figures 4 through 6) does not present any native geologic features such as continuous clay layers that likely act as barriers to the downgradient flow of groundwater or LPH in the subsurface. ECM's investigation and analysis suggests that one or more of the following factors are likely responsible for the LPH reduction and containment:

    1. After the ongoing LPH release was terminated through removal of USTs from the site in 1989, the resulting reduction in the mass and thickness of LPH near the former UST location likely reduced the driving force behind the initial north and northwest migration of LPH in the subsurface.

    2. Remediation efforts (including over-excavation of soils, groundwater skimming, soil vapor extraction, and multi-phase extraction) have removed in excess of 44,000 pounds of hydrocarbons from the subsurface. These hydrocarbon removal and remediation activities have significantly reduced the overall mass of hydrocarbons present in the subsurface. This removal of hydrocarbon mass from the subsurface has lowered the overall LPH thicknesses within wells at the site and reduced the fluid pressure gradient previously driving movement away from the former UST source area.

    3. Following a review of available construction drawings (site-specific drawings were not available for the on-site L-shaped building), likely building foundation and footing configurations during the time of construction have been reviewed. Based on typical construction practices for large exterior-wall buildings such as the L-shaped building at the northwest corner of the Site, it is possible that load-bearing footings and/or consolidated soils beneath these footings form a downgradient barrier to shallow groundwater flow. This barrier, or partial barrier, to subsurface flow is also a likely factor in the historical lack of LPH observations in wells within 16 Street.

  The most recent (2004) reporting of non-detectable to low levels of hydrocarbons reported at downgradient and off-site wells MW-25 through MW-29 and the historical lack of LPH in these wells is likely attributable to the factors described above.

- Residual LPH has been stabilized and removed through multi-phase extraction. The most recent site-wide LPH survey conducted in August 2001 reported that LPH thickness

- The May 2008 sampling for PCBs in soil and groundwater confirmed that PCBs are not COCs. Responding to a one-time detection of PCBs in a free product sample from well PR12 in June 1989, the ACHS requested additional sampling in the September 28, 2007 directive to confirm the current extent of any PCBs. Eight soil and groundwater sampling locations confirmed the absence of PCBs at the Site.

7 CONCLUSIONS AND FUTURE ACTION PLAN

7.1 Conclusions

The revised SCM provides a comprehensive and integrated interpretation of historical geologic and chemical data. The presentation and analysis of this data provides a framework for future decisions. The following conclusions follow from the integration and analysis of data presented in this report:

- The data documented and integrated in this revised SCM report provide a thorough characterization of site geology and subsurface conditions with respect to COCs;
- All ongoing sources of COCs (hydrocarbons and HVOCs) at the Site have been removed;
- The dissolved COC plume is not migrating;
- Residual LPH has been reduced in thickness to non-observable levels and is stabilized on-site
- PCBs do not represent COCs requiring further attention at the Site, and
- Dairy fats and detergents do not represent COCs requiring further attention at the Site.

In addition to providing an integrated collection of site data and an updated understanding of overall site conditions, this revised SCM will also support the upcoming revised Risk Assessment.

7.2 Future Action Plan

Following the receipt of any comments on this report from ACHS, Nestlé proposes to meet with ACHS staff to discuss the revised SCM and address any comments.

Following these discussions and the submittal of any necessary additional information, Nestlé proposes to submit a revised Risk Assessment report within 60 days of the receipt of ACHS' approval of the *Revised SCM Report*. The revised Risk Assessment is intended to provide an understanding of any exposure risks associated with current, residual, subsurface COC concentrations.

8 REFERENCES

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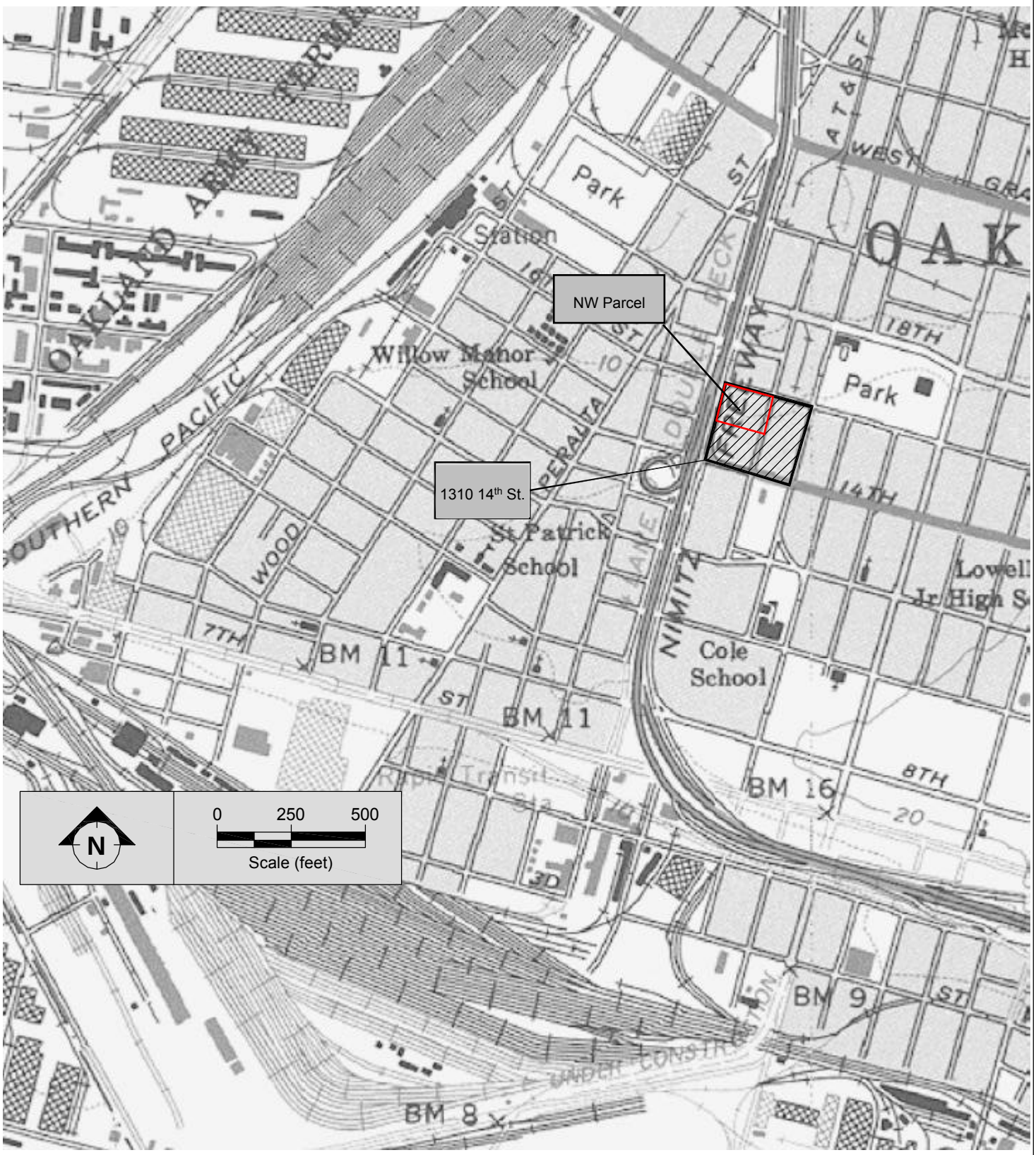
Figures



Project: Nestle-Oakland
Proj. Manager: B. Acharya
Date drafted: 10/01/03
Chkd by:
Drafter: S. Gandhi
File Path: Ecmsrver\Nestle\Oak\Reports\Fig1 Topo

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Managing Cost and Liability
660 Baker Street, Suite 253 ● Costa Mesa, CA 92626
Tel: (714) 662-2759 ● Fax: (714) 662-2758

Revised Site Conceptual Model
November 2008
Site Location Map

Figure
1

Project: Former Nestle Oakland Facility

Proj. Manager B. Acharya

Date drafted: 10/28/08

Chkd by: B. Searcy

Drafter: J. Plummer

File Path:

Former Nestle Oakland Facility
1310 14th Street
Oakland, California - 94607

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Managing Cost and Liability
660 Baker Street, Suite 253 ● Costa Mesa, CA 92626
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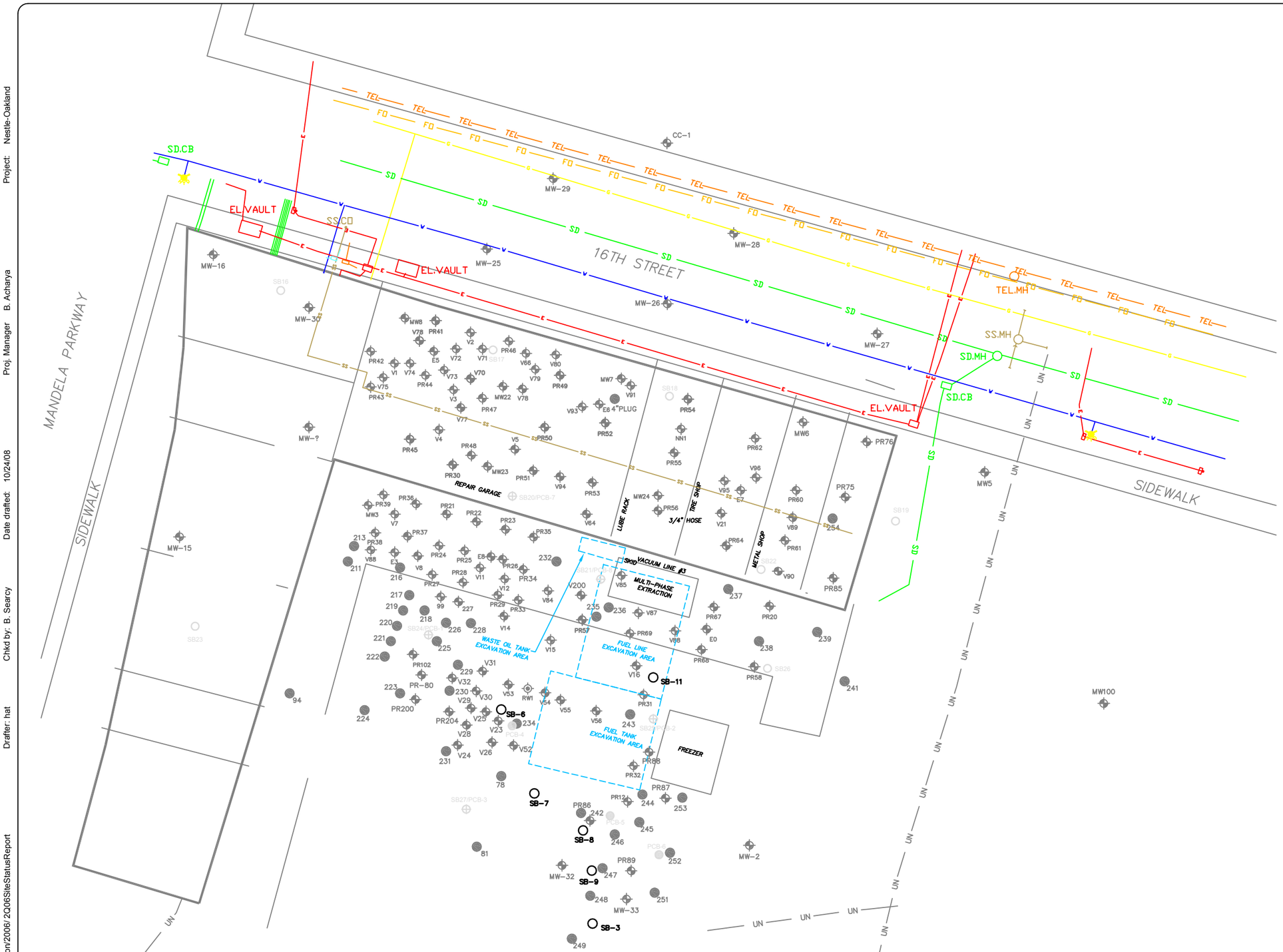
Revised Site Conceptual Model
November 2008
Primary Site Features

Figure
2

Project: Nestle-Oakland
Proj. Manager: B. Acharya
Date drafted: 10/24/08
Chkd by: B. Searcy
Drafter: hat
File Path: Nestle/Ripon/2006/ 2Q06SiteStatusReport



LEGEND:

- HYDROCARBON SOIL BORING LOCATION (SB23)
- HYDROCARBON/ PCB SOIL BORING LOCATION
- PCB SOIL BORING LOCATION (SB24/PCB-1)
- GROUNDWATER MONITORING AND VAPOR EXTRACTION WELLS (PCB-4)
- HISTORICAL SOIL BORING LOCATION (INSTALLED AND SAMPLED JULY 1991)
- WELL OF UNKNOWN CONSTRUCTION (239)

UTILITIES

- TEL — TELEPHONE
- FO — FIBER OPTICS
- G — GAS LINE
- SD — STORM DRAIN MAIN
- W — WATER MAIN
- E — ELECTRICAL
- UN — UNKNOWN

NOTES:

1. SURVEY CONDUCTED BY SUBTRONIC CORPORATION IN NOVEMBER 2007.
2. NOT ALL UTILITIES MAY BE SHOWN. SOME LATERALS WERE NOT ACCESSIBLE AND WERE NOT LOCATED DURING SURVEY.
3. MOST UTILITIES ON THE PROPERTY ARE ABANDONED.

N

0 20 40
SCALE (FEET)

Former Nestlé Oakland Facility
1310 14th Street
Oakland, California - 94607

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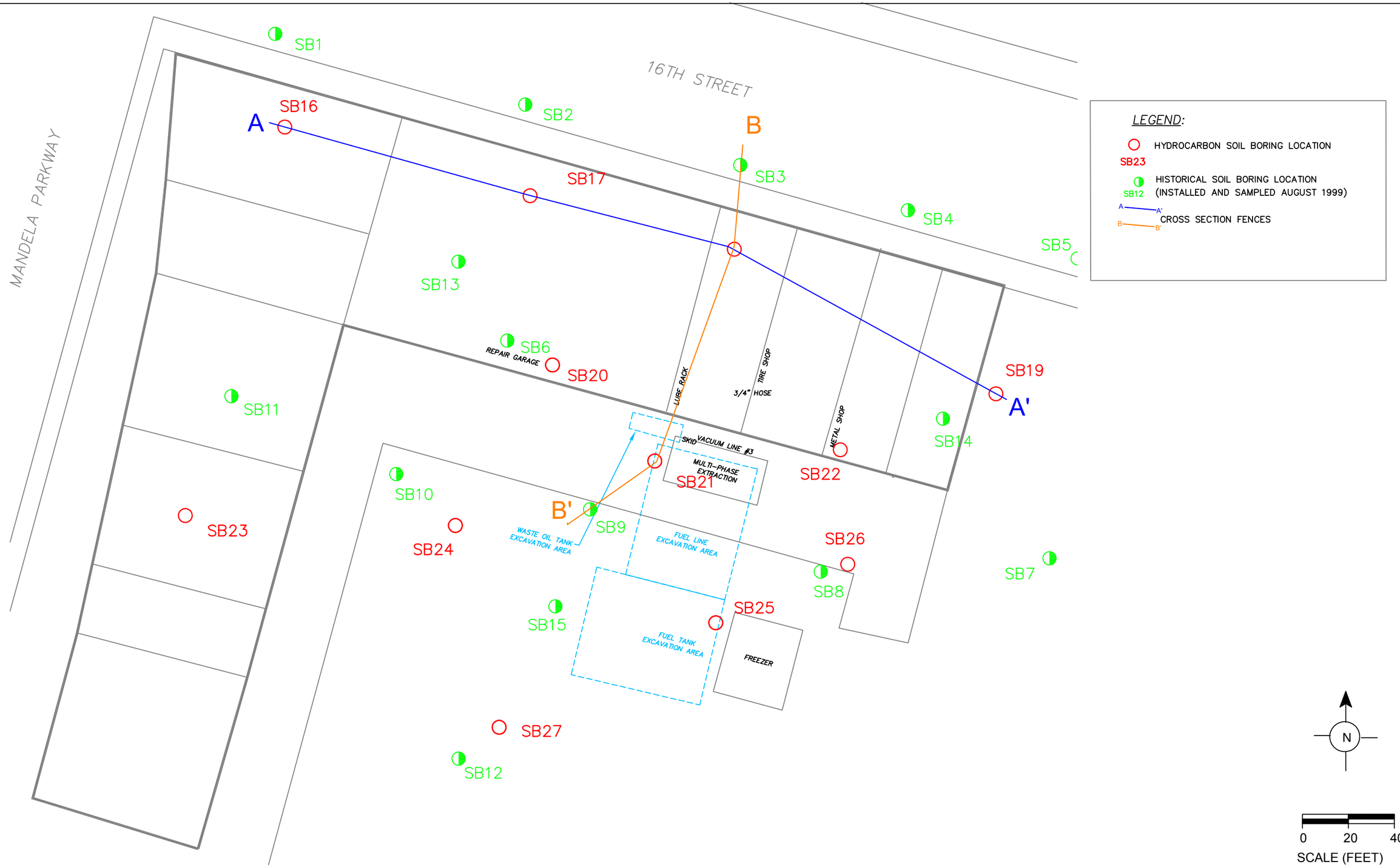
Revised Site Conceptual Model - Nov. 2008

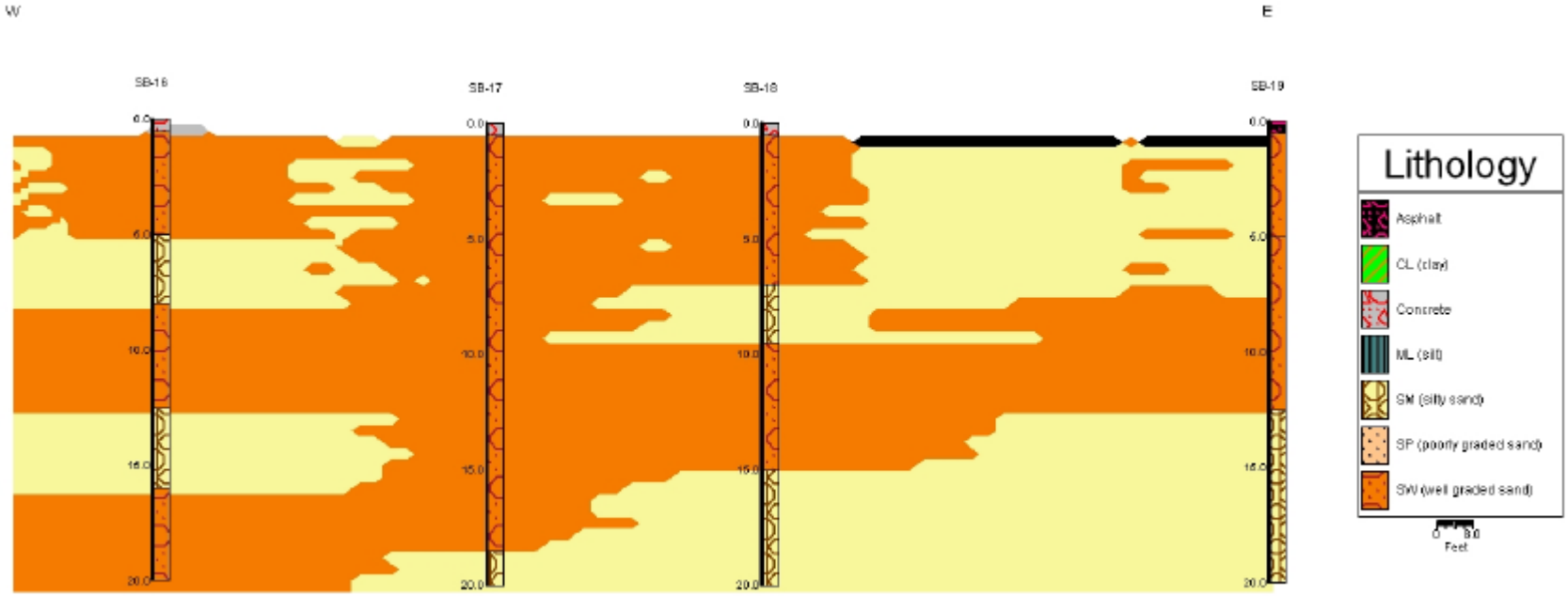
Subsurface Utility Survey

Figure 3

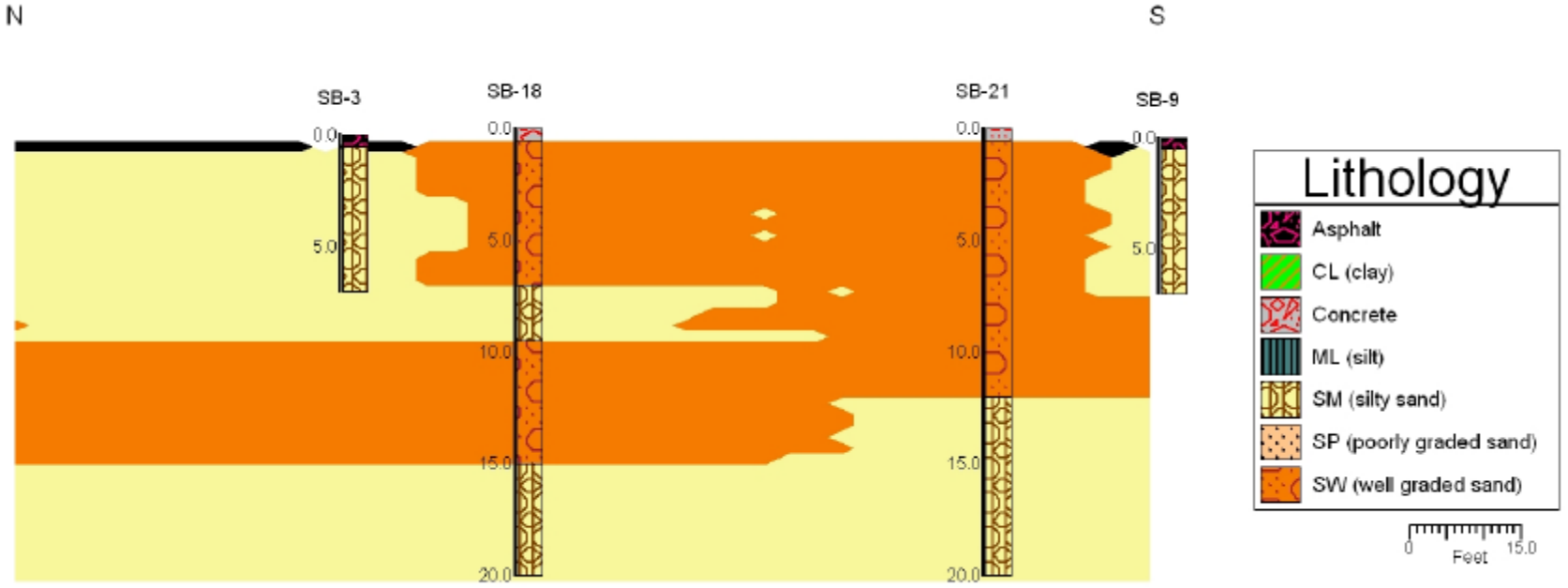
Project: Nestle-Oakland
Proj. Manager: B. Acharya
Date drafted: 10/29/08
Chkd by: B. Searcy
Drafter: TOL
File Path:



Former Nestle Oakland Facility 1310 14th Street Oakland, California - 94607	**ENVIRONMENTAL COST MANAGEMENT, INC.** *Managing Cost and Liability* 660 Baker Street, Suite 253 ● Costa Mesa, CA 92626 Tel: (714) 662-2759 ● Fax: (714) 662-2758	Revised Site Conceptual Model - Nov. 2008 Cross Section Locations	Figure 4

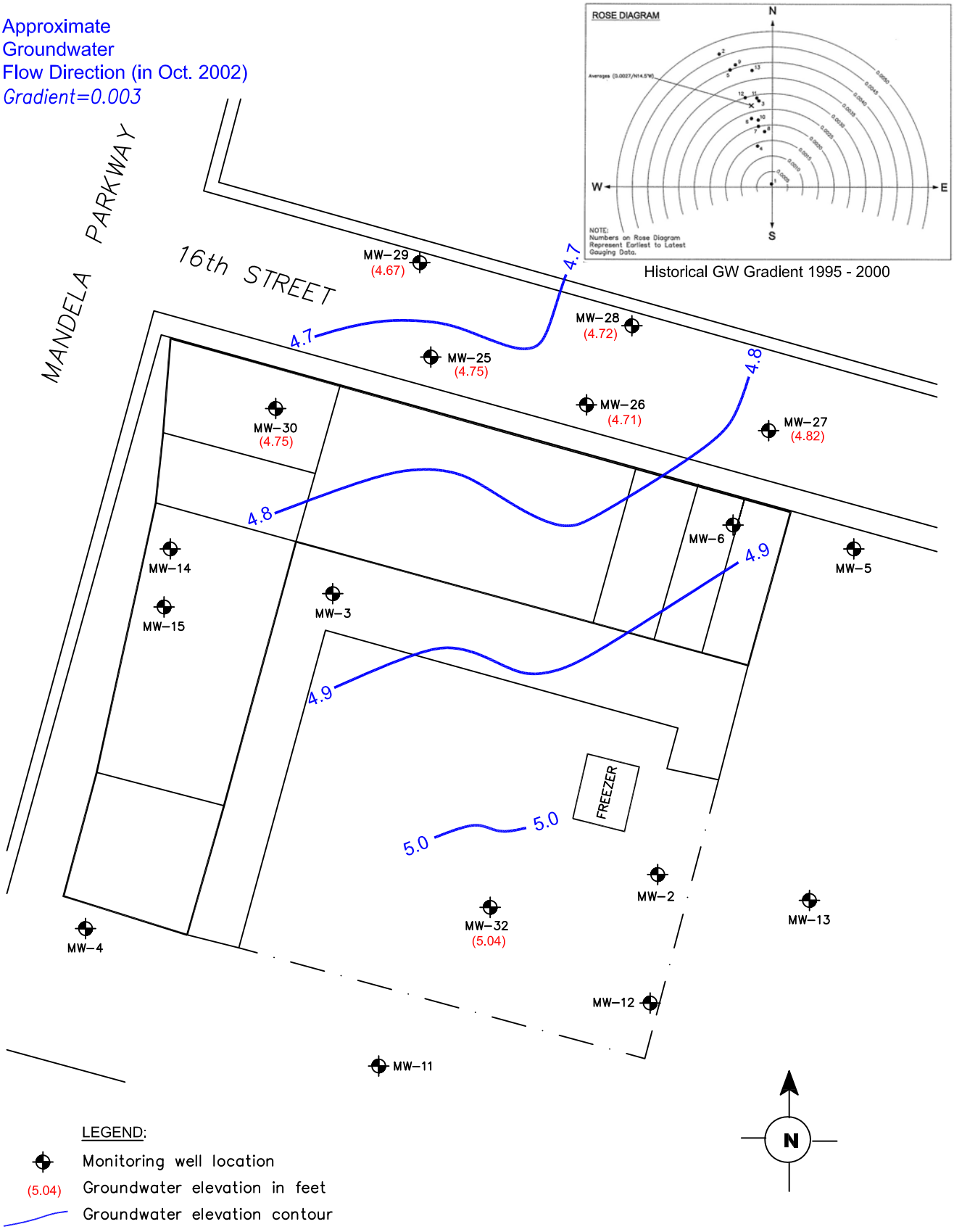


Former Nestle USA, Inc. Facility 1310 14th Street Oakland, California 94607	**ENVIRONMENTAL COST MANAGEMENT, INC.** *Managing Cost and Liability* 660 Baker Street, Suite 253 ● Costa Mesa, CA 92626 Tel: (714) 662-2759 ● Fax: (714) 662-2758	Revised Site Conceptual Model – Nov. 2008 E-W Cross Section	Figure 5



Former Nestle USA, Inc. Facility 1310 14th Street Oakland, California 94607	**ENVIRONMENTAL COST MANAGEMENT, INC.** *Managing Cost and Liability* 660 Baker Street, Suite 253 ● Costa Mesa, CA 92626 Tel: (714) 662-2759 ● Fax: (714) 662-2758	Revised Site Conceptual Model – Nov. 2008 N-S Cross Section	Figure 6

Project: Nestle-Oakland
Proj. Manager: B. Acharya
Date drafted: 10/26/08
Chkd by:
Drafter: B. Searcy
File Path:



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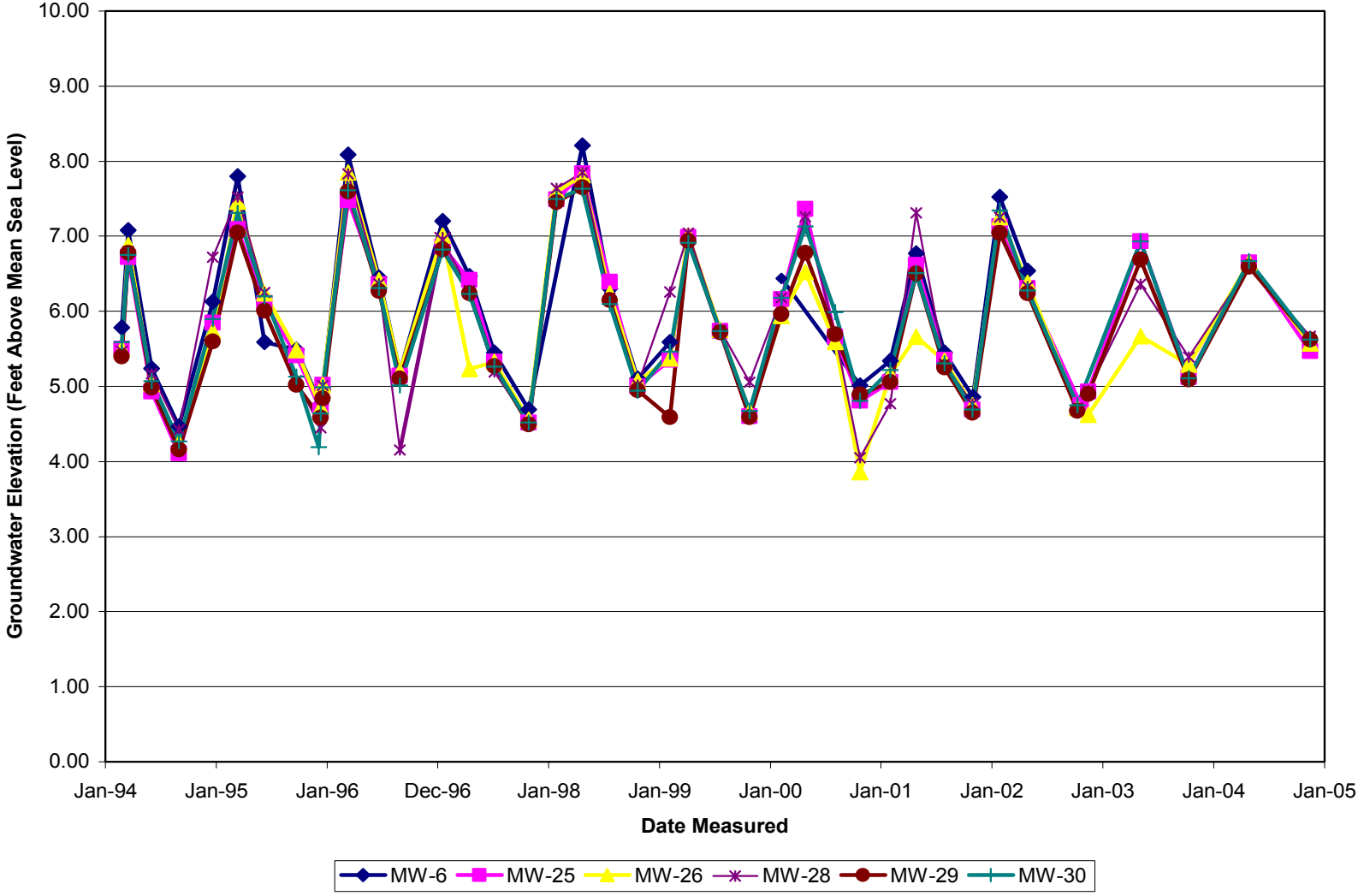
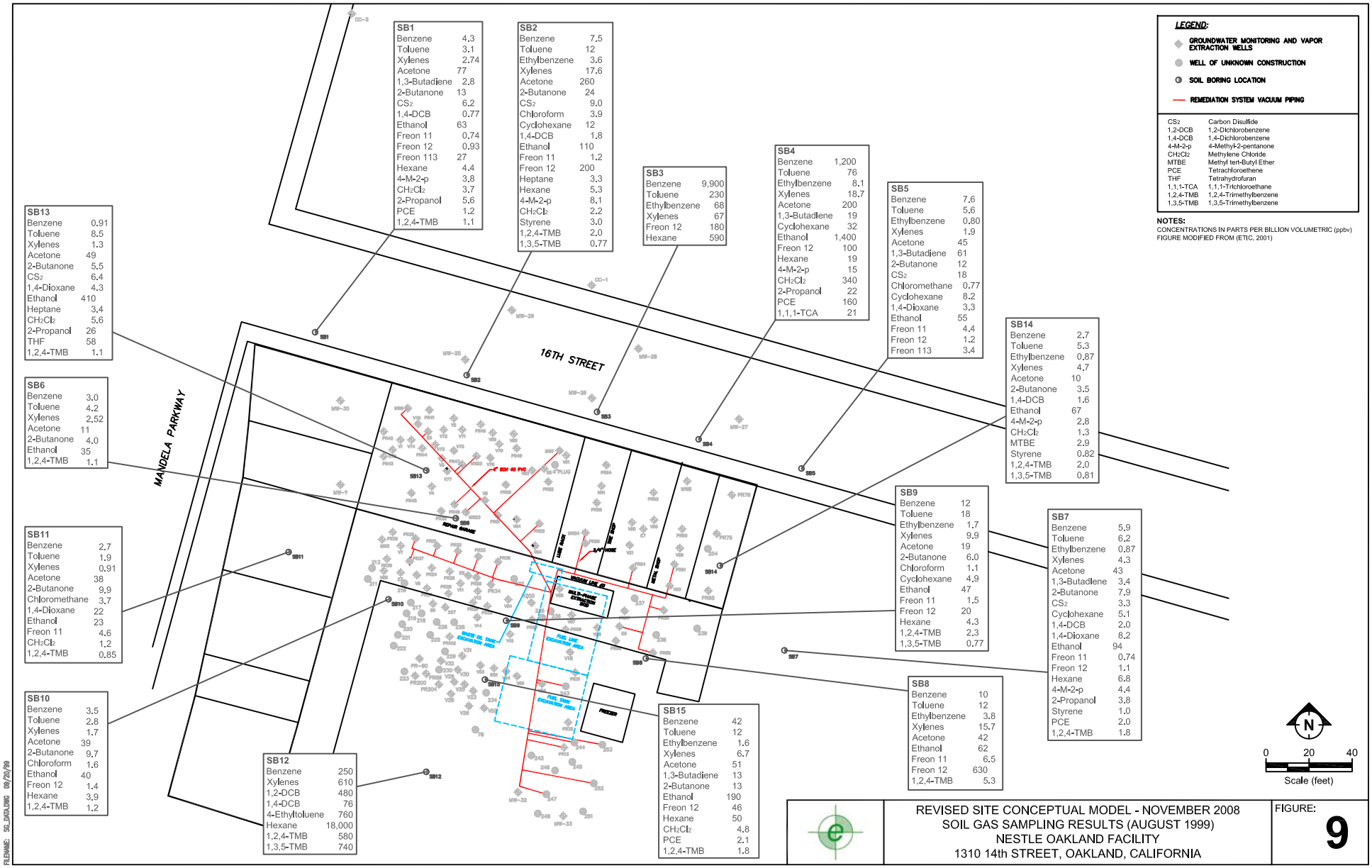
Managing Cost and Liability
660 Baker Street, Suite 253 ● Costa Mesa, CA 92626
Tel: (714) 662-2759 ● Fax: (714) 662-2758

Revised Site Conceptual Model
November 2008
Historical Groundwater Gradient

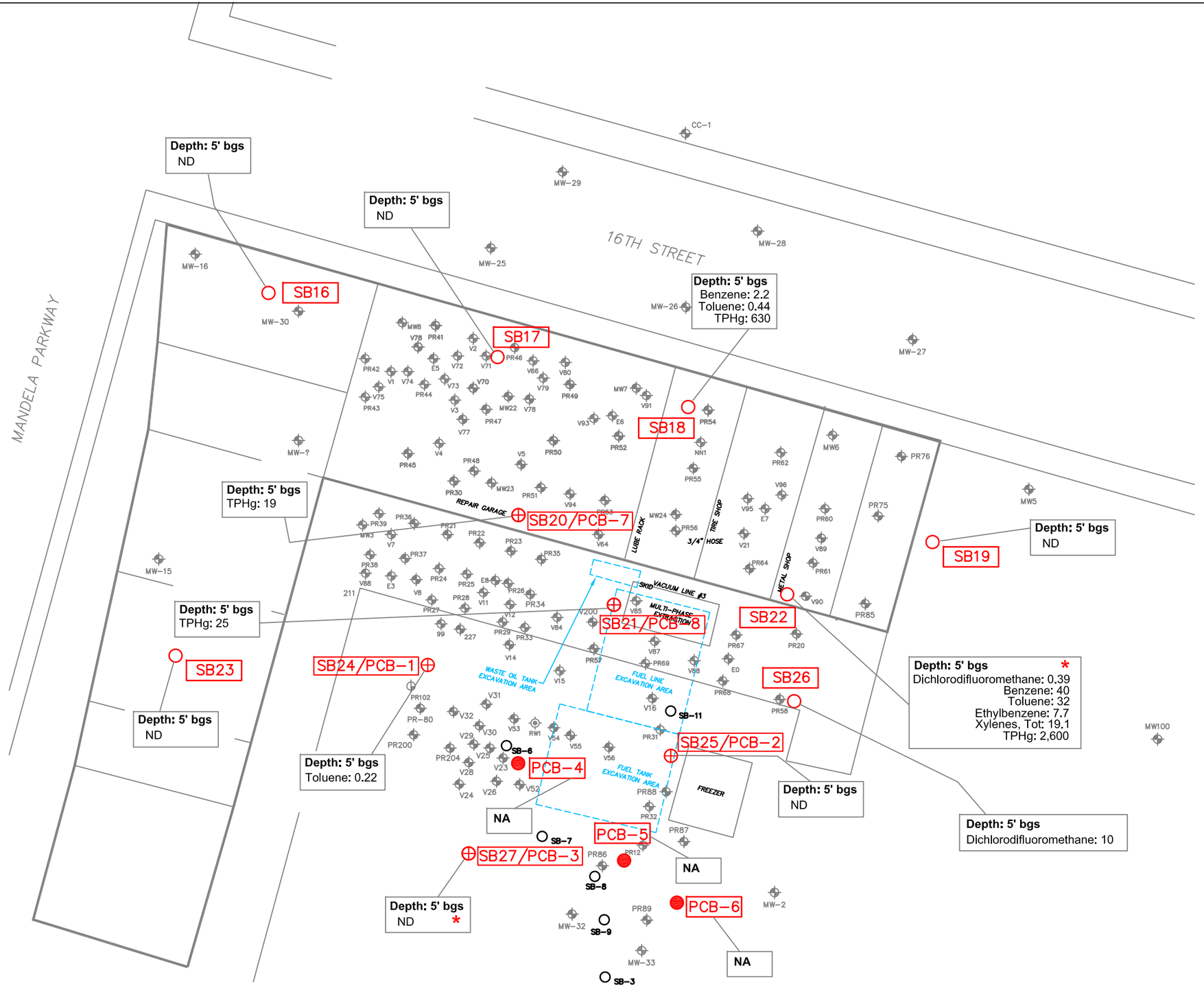
Figure
7



Former Nestlé Oakland Facility 1310 14th Street Oakland, California - 94607	**ENVIRONMENTAL COST MANAGEMENT, INC.** *Managing Cost and Liability* 660 Baker Street, Suite 253 ● Costa Mesa, CA 92626 Tel: (714) 662-2759 ● Fax: (714) 662-2758	Revised Site Conceptual Model – Nov. 2008 Groundwater Elevation Trends	**Figure** 8


16TH STREET
MANDELA PARKWAY
SB1
Benzene 4.3
Toluene 3.1
Xylenes 2.74
Acetone 77
1,3-Butadiene 2.8
2-Butanone 13
CS2 6.2
1,4-DCB 0.77
Ethanol 63
Freon 11 0.74
Freon 12 0.93
Freon 113 27
Hexane 4.4
4-M-2-p 3.8
CH2Cl2 3.7
2-Propanol 5.6
PCE 1.2
1,2,4-TMB 1.1
SB2
Benzene 7.5
Toluene 12
Ethylbenzene 3.6
Xylenes 17.6
Acetone 260
2-Butanone 24
CS2 9.0
Chloroform 3.9
Cyclohexane 12
1,4-DCB 1.8
Ethanol 110
Freon 11 1.2
Freon 12 200
Heptane 3.3
Hexane 5.3
4-M-2-p 8.1
CH2Cl2 2.2
Styrene 3.0
1,2,4-TMB 2.0
1,3,5-TMB 0.77
SB3
Benzene 9,900
Toluene 230
Ethylbenzene 68
Xylenes 67
Freon 12 180
Hexane 590
SB4
Benzene 1,200
Toluene 76
Ethylbenzene 8.1
Xylenes 18.7
Acetone 200
1,3-Butadiene 19
Cyclohexane 32
Ethanol 1,400
Freon 12 100
Hexane 19
4-M-2-p 15
CH2Cl2 340
2-Propanol 22
PCE 160
1,1,1-TCA 21
SB5
Benzene 7.6
Toluene 5.6
Ethylbenzene 0.80
Xylenes 1.9
Acetone 45
1,3-Butadiene 61
2-Butanone 12
CS2 18
Chloromethane 0.77
Cyclohexane 8.2
1,4-Dioxane 3.3
Ethanol 55
Freon 11 4.4
Freon 12 1.2
Freon 113 3.4
SB6
Benzene 3.0
Toluene 4.2
Xylenes 2.52
Acetone 11
2-Butanone 4.0
Ethanol 35
1,2,4-TMB 1.1
SB7
Benzene 5.9
Toluene 6.2
Ethylbenzene 0.87
Xylenes 4.3
Acetone 43
1,3-Butadiene 3.4
2-Butanone 7.9
CS2 3.3
Cyclohexane 5.1
1,4-DCB 2.0
1,4-Dioxane 8.2
Ethanol 94
Freon 11 0.74
Freon 12 1.1
Hexane 6.8
4-M-2-p 4.4
2-Propanol 3.8
Styrene 1.0
PCE 2.0
1,2,4-TMB 1.8
SB8
Benzene 10
Toluene 12
Ethylbenzene 3.8
Xylenes 15.7
Acetone 42
Ethanol 62
Freon 11 6.5
Freon 12 630
1,2,4-TMB 5.3
SB9
Benzene 12
Toluene 18
Ethylbenzene 1.7
Xylenes 9.9
Acetone 19
2-Butanone 6.0
Chloroform 1.1
Cyclohexane 4.9
Ethanol 47
Freon 11 1.5
Freon 12 20
Hexane 4.3
1,2,4-TMB 2.3
1,3,5-TMB 0.77
SB10
Benzene 3.5
Toluene 2.8
Xylenes 1.7
Acetone 39
2-Butanone 9.7
Chloroform 1.6
Ethanol 40
Freon 12 1.4
Hexane 3.9
1,2,4-TMB 1.2
SB11
Benzene 2.7
Toluene 1.9
Xylenes 0.91
Acetone 38
2-Butanone 9.9
Chloromethane 3.7
1,4-Dioxane 22
Ethanol 23
Freon 11 4.6
CH2Cl2 1.2
1,2,4-TMB 0.85
SB12
Benzene 250
Xylenes 610
1,2-DCB 480
1,4-DCB 76
4-Ethyltoluene 760
Hexane 18,000
1,2,4-TMB 580
1,3,5-TMB 740
SB13
Benzene 0.91
Toluene 8.5
Xylenes 1.3
Acetone 49
2-Butanone 5.5
CS2 6.4
1,4-Dioxane 4.3
Ethanol 410
Heptane 3.4
CH2Cl2 5.6
2-Propanol 26
THF 58
1,2,4-TMB 1.1
SB14
Benzene 2.7
Toluene 5.3
Ethylbenzene 0.87
Xylenes 4.7
Acetone 10
2-Butanone 3.5
1,4-DCB 1.6
Ethanol 67
4-M-2-p 2.8
CH2Cl2 1.3
MTBE 2.9
Styrene 0.82
1,2,4-TMB 2.0
1,3,5-TMB 0.81
SB15
Benzene 42
Toluene 12
Ethylbenzene 1.6
Xylenes 6.7
Acetone 51
1,3-Butadiene 13
2-Butanone 13
Ethanol 190
Freon 12 46
Hexane 50
CH2Cl2 4.8
PCE 2.1
1,2,4-TMB 1.8
LEGEND:
GROUNDWATER MONITORING AND VAPOR EXTRACTION WELLS
WELL OF UNKNOWN CONSTRUCTION
SOIL BORING LOCATION
REMEDIATION SYSTEM VACUUM PIPING
CS2 Carbon Disulfide
1,2-DCB 1,2-Dichlorobenzene
1,4-DCB 1,4-Dichlorobenzene
4-M-2-p 4-Methyl-2-pentanone
CH2Cl2 Methylene Chloride
MTBE Methyl tert-Butyl Ether
PCE Tetrachloroethene
THF Tetrahydrofuran
1,1,1-TCA 1,1,1-Trichloroethane
1,2,4-TMB 1,2,4-Trimethylbenzene
1,3,5-TMB 1,3,5-Trimethylbenzene
NOTES:
CONCENTRATIONS IN PARTS PER BILLION VOLUMETRIC (ppbv)
FIGURE MODIFIED FROM (ETIC, 2001)
N
0 20 40
Scale (feet)
REVISED SITE CONCEPTUAL MODEL - NOVEMBER 2008
SOIL GAS SAMPLING RESULTS (AUGUST 1999)
NESTLE OAKLAND FACILITY
1310 14th STREET, OAKLAND, CALIFORNIA
FIGURE: 9
FILENAME: SG_DATA.DWG 09/20/99

Project: Nestle-Oakland
Proj. Manager: B. Acharya
Chkd by: B. Searcy
Drafter: J. Plummer
Date drafted: 10/28/08
File Path: Nestle/Ripon/2006/ 2Q06SiteStatusReport



LEGEND:

- HYDROCARBON SOIL BORING LOCATION (SB23)
- HYDROCARBON/ PCB SOIL BORING LOCATION (SB24/PCB-1)
- PCB SOIL BORING LOCATION (PCB-4)
- GROUNDWATER MONITORING AND VAPOR EXTRACTION WELLS
- HISTORICAL SOIL BORING LOCATION (INSTALLED AND SAMPLED JULY 1991)
- * DUPLICATE SAMPLE COLLECTED

NOTES:

1. CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L) FOR SOIL VAPOR.
2. ND: BELOW LABORATORY REPORTING LIMIT, REFER TO TABLE 2 FOR INDIVIDUAL ANALYTES AND REPORTING LIMITS.
3. NA: NOT ANALYZED.
4. bgs: BELOW GROUND SURFACE.

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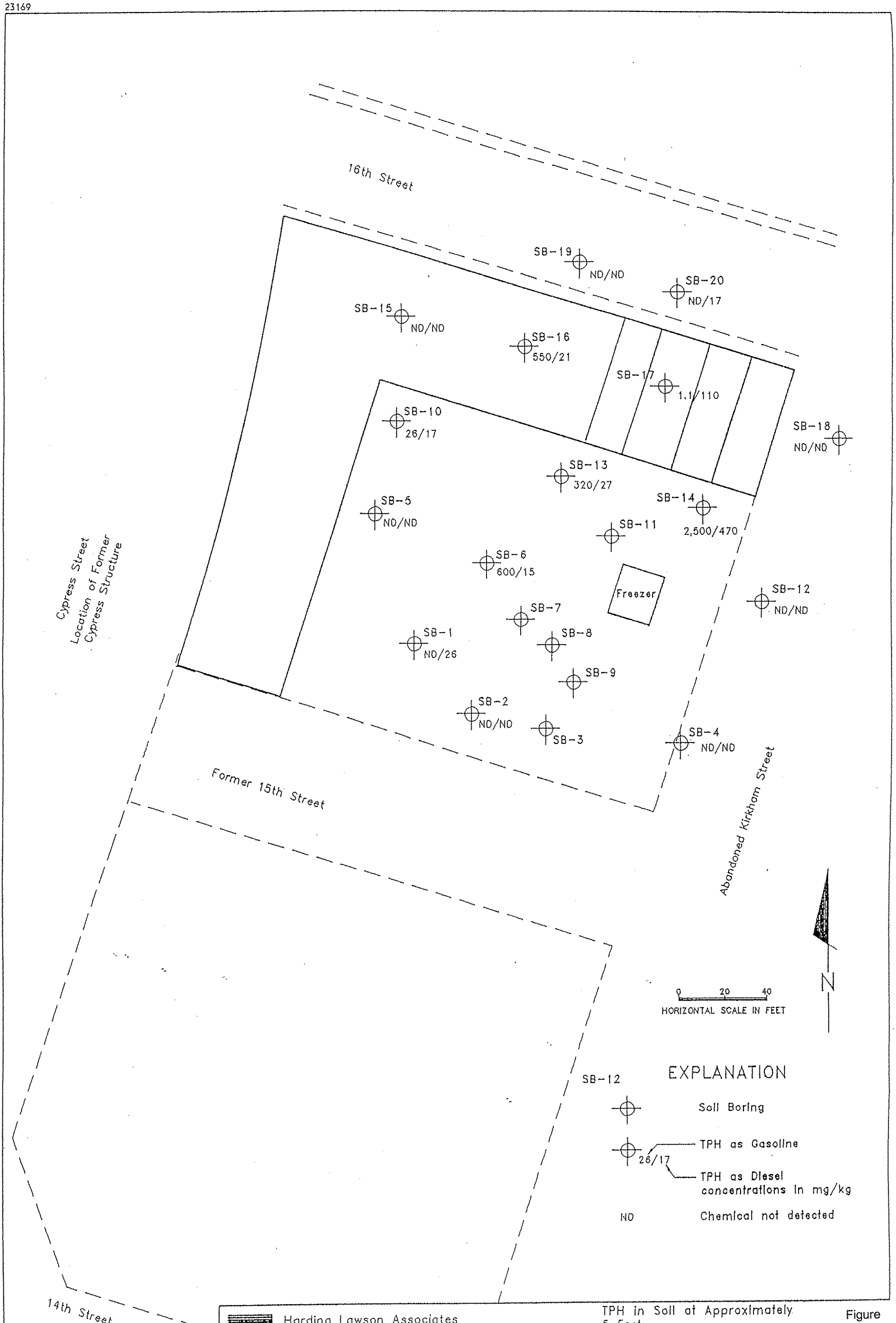
Revised Site Conceptual Model - November 2008
Soil Gas Sampling Results (ug/L) (May 2008)

Figure 10

23169



Harding Lawson Associates
Engineering and Environmental Services

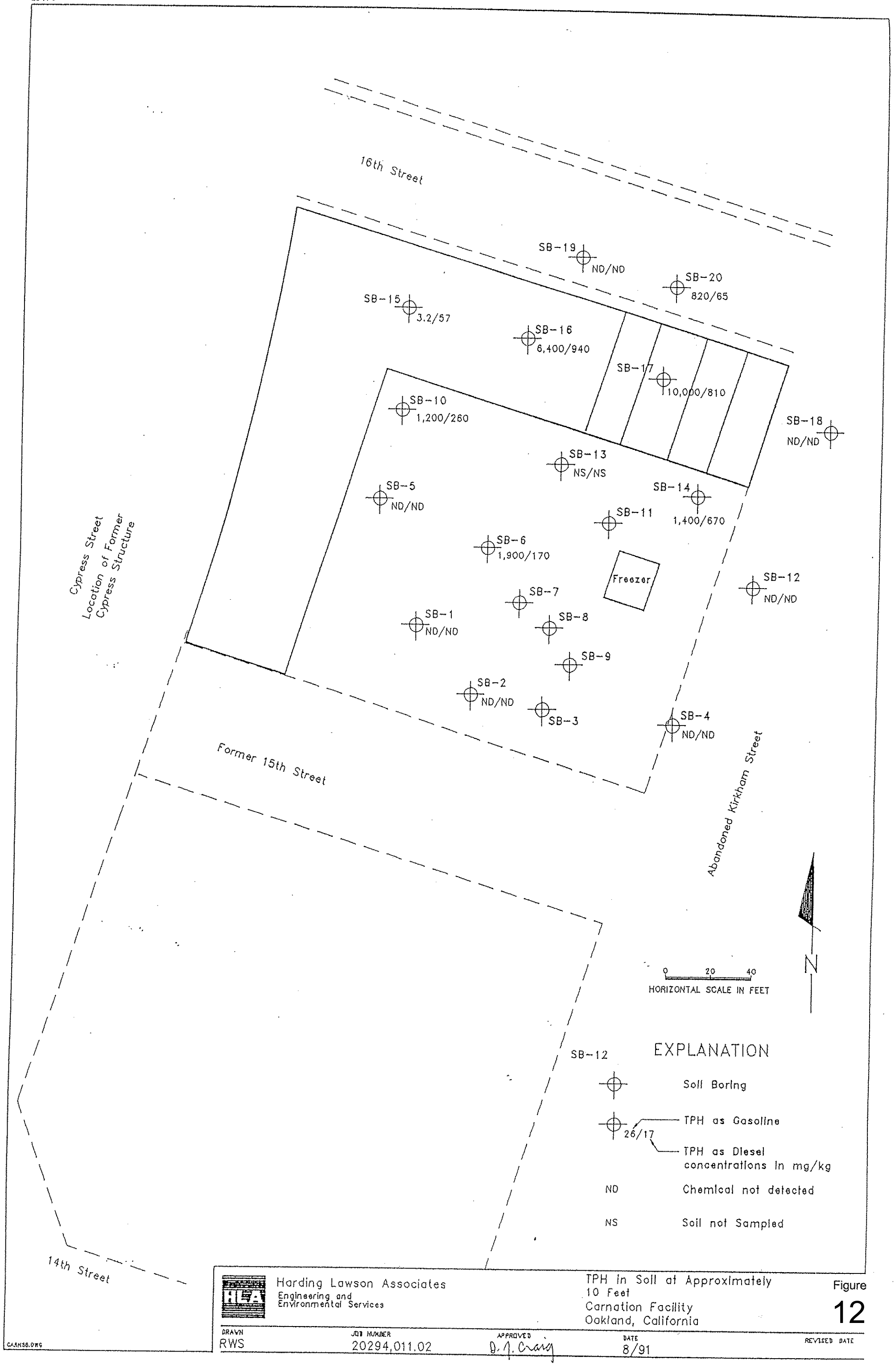
TPH in Soil at Approximately 5 Feet
Carnation Facility
Oakland, California

Figure 11

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
RWS	20294,011.02	D.A. Craig	8/91	

CARN58.DWG

23170



Harding Lawson Associates
Engineering and
Environmental Services

TPH in Soil at Approximately
10 Feet
Carnation Facility
Oakland, California

Figure
12

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
RWS	20294,011.02	D. J. Craig	8/91	

CARN38.DWG

23172

16th Street

Cypress Street
Location of Former
Cypress Structure

Former 15th Street

Abandoned Kirkham Street

14th Street

SB-19 ND/ND
SB-20 ND/ND
SB-15 ND/ND
SB-16 1,900/59
SB-17 130/130
SB-18 ND/ND
SB-10 ND/ND
SB-13 1.6/ND
SB-14 1.1/ND
SB-5 ND/ND
SB-11
SB-6 180/37
Freezer
SB-12 ND/ND
SB-7
SB-1 ND/ND
SB-8
SB-9
SB-2 ND/ND
SB-3
SB-4 ND/ND

N

0 20 40
HORIZONTAL SCALE IN FEET

EXPLANATION

SB-12 Soil Boring

26/17 TPH as Gasoline
TPH as Diesel
concentrations in mg/kg

ND Chemical not detected

CARNSB.DWG

Harding Lawson Associates
Engineering and
Environmental Services

TPH in Soil at Approximately
15 Feet
Carnation Facility
Oakland, California

Figure
14

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
RWS	20294,011.02	D. M. Crang	8/91	

23171

16th Street

SB-19 ND/ND

SB-20 ND/ND

SB-15 ND/ND

SB-16 100/45

SB-17 88/45

SB-10 ND/ND

SB-18 ND/ND

SB-13 2.0/ND

SB-5 ND/ND

SB-14 6.9/6.6

SB-11

SB-6 350/86

Freezer

SB-12 ND/ND

SB-7

SB-1 ND/ND

SB-8

SB-9

SB-2 ND/ND

SB-3

SB-4 ND/ND

Cypress Street
Location of Former
Cypress Structure

Former 15th Street

Abandoned Kirkham Street

14th Street

0 20 40
HORIZONTAL SCALE IN FEET

N

EXPLANATION

SB-12 Soil Boring

26/17 TPH as Gasoline
TPH as Diesel
concentrations in mg/kg

ND Chemical not detected

CARNSB.DWG

Harding Lawson Associates
Engineering and
Environmental Services

TPH in Soil at Approximately
12.5 Feet
Carnation Facility
Oakland, California

Figure
13

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
RWS	20294,011.02	D.J. Craig	8/91	

23173

16th Street

Cypress Street
Location of Former
Cypress Structure

Former 15th Street

Abandoned Kirkham Street

14th Street

SB-19 ND/ND
SB-20 ND/ND
SB-15 ND/ND
SB-16 260/2,8
SB-17 ND/ND
SB-18 ND/ND
SB-10 ND/ND
SB-13 ND/ND
SB-5 ND/ND
SB-14 ND/ND
SB-11
SB-6 ND/23
Freezer
SB-12 ND/ND
SB-7
SB-1 ND/ND
SB-8
SB-9
SB-2 ND/ND
SB-3
SB-4 ND/ND

0 20 40
HORIZONTAL SCALE IN FEET

N

EXPLANATION

SB-12 Soil Boring

26/17 TPH as Gasoline / TPH as Diesel concentrations in mg/kg

ND Chemical not detected

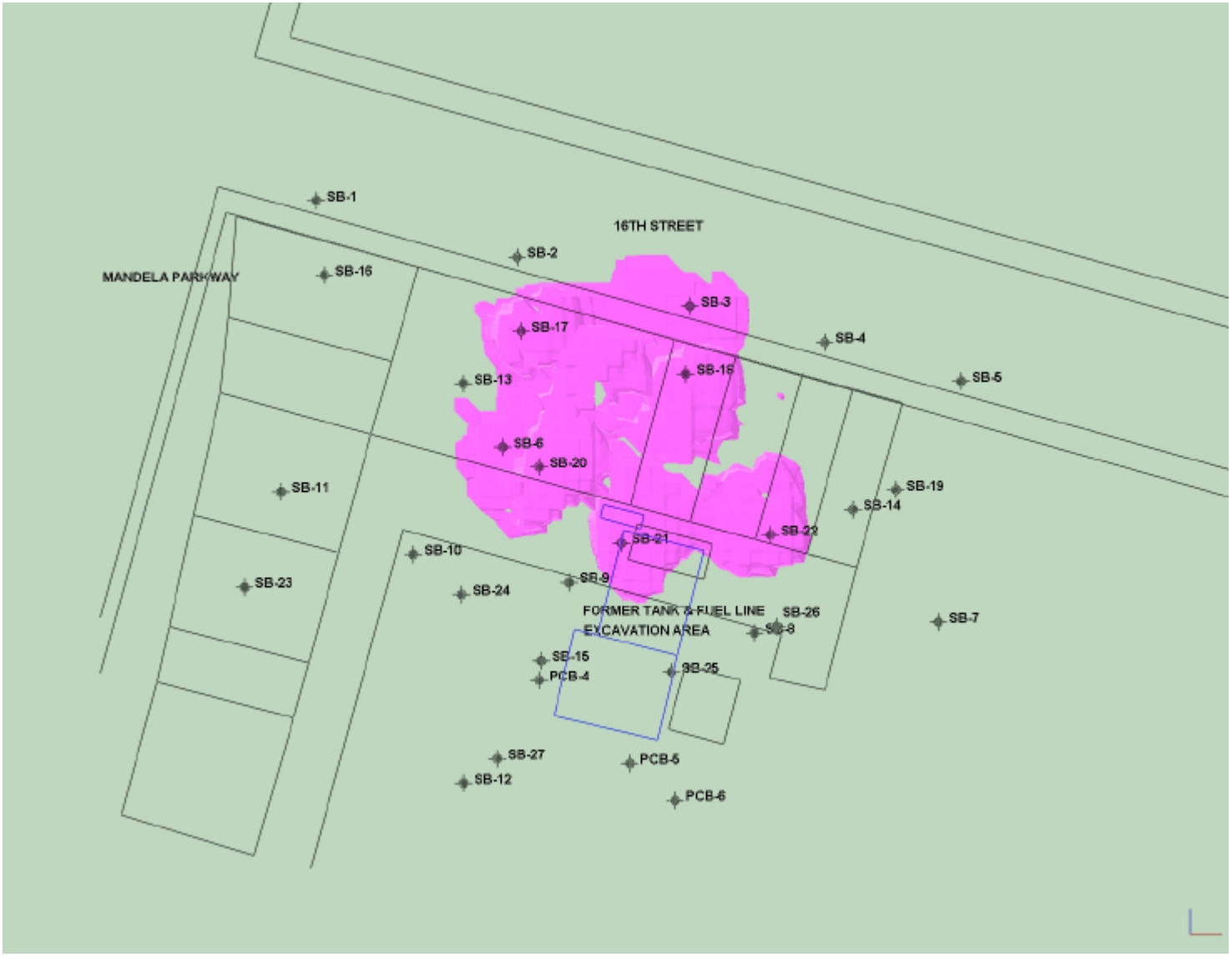
Harding Lawson Associates
Engineering and
Environmental Services

TPH in Soil at Approximately
20 Feet
Carnation Facility
Oakland, California

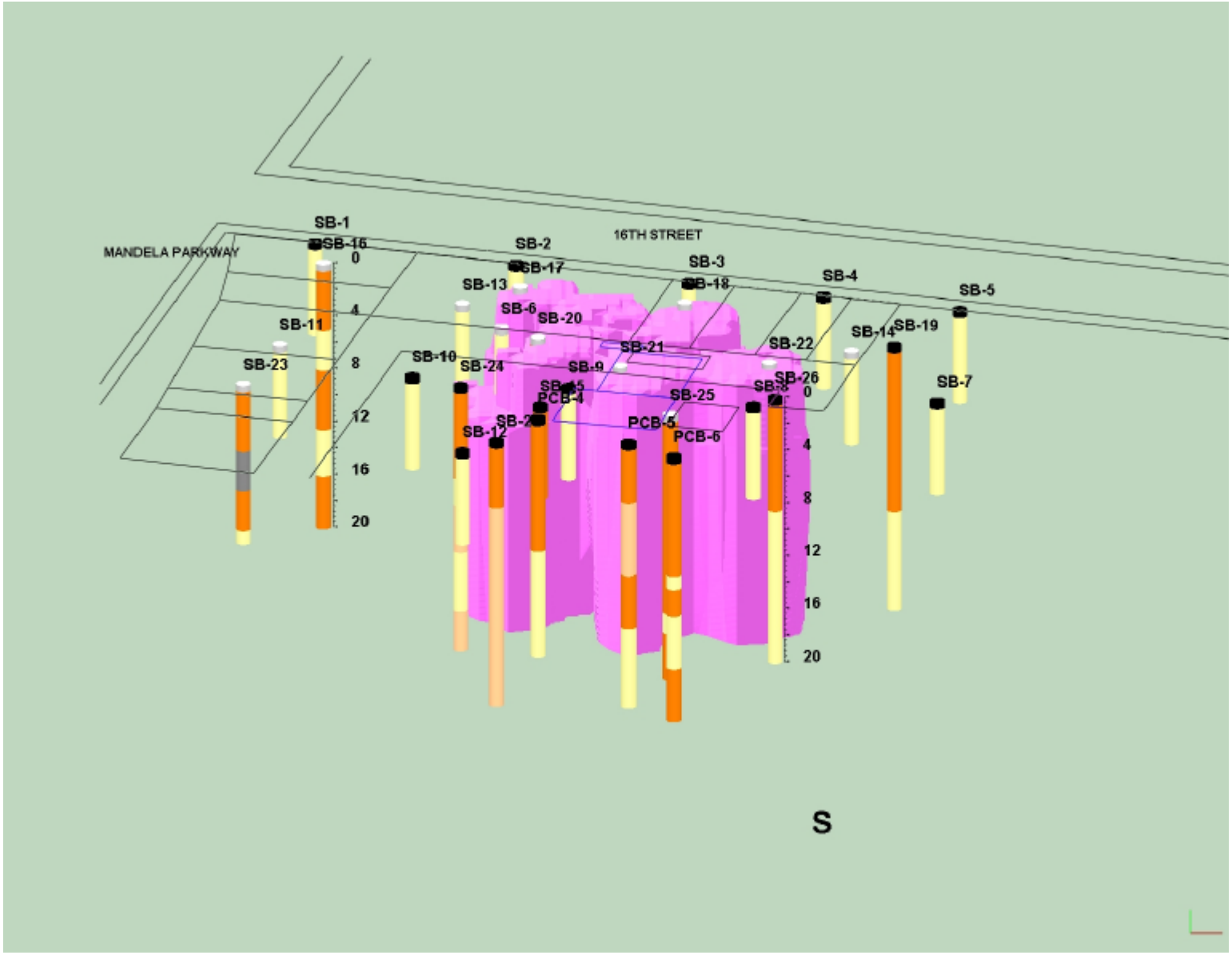
Figure
15

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
RWS	20294,011.02	D. A. Crum	8/91	

CARNS8.DWG



Former Nestle USA, Inc. Facility 1310 14th Street Oakland, California 94607	**ENVIRONMENTAL COST MANAGEMENT, INC.** *Managing Cost and Liability* 660 Baker Street, Suite 253 ● Costa Mesa, CA 92626 Tel: (714) 662-2759 ● Fax: (714) 662-2758	Revised Site Conceptual Model – Nov. 2008 3D Interpolation of TPHg Soil Sample Results > 500 mg/kg – Plan View (August 1999 and May 2008 Data)	Figure 16



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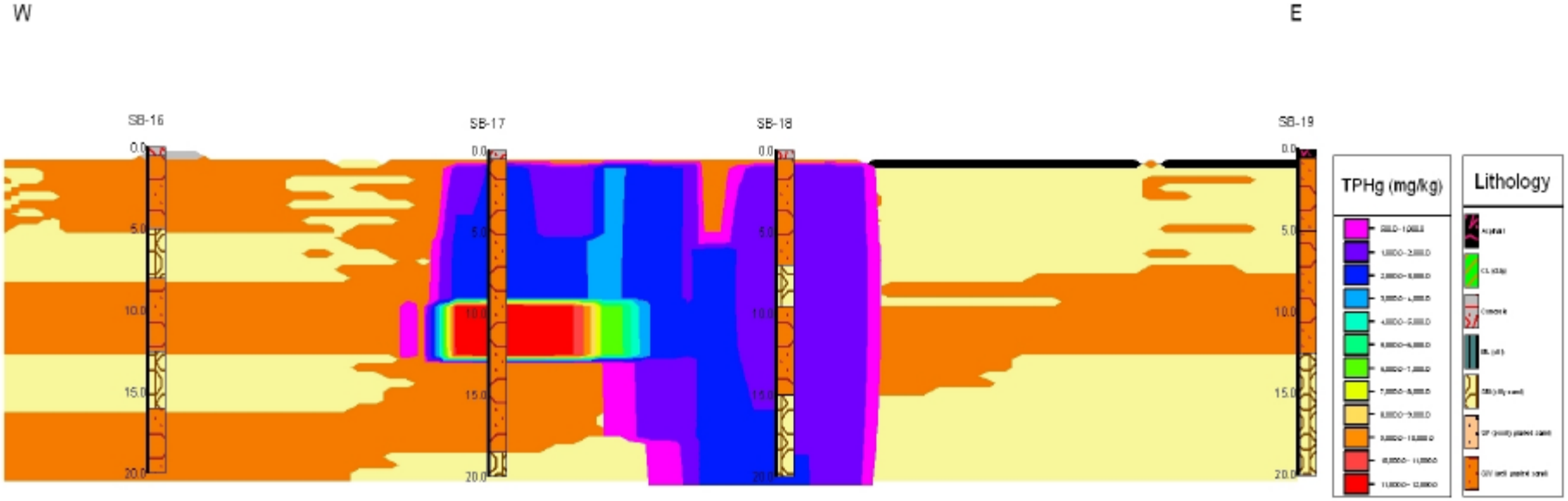
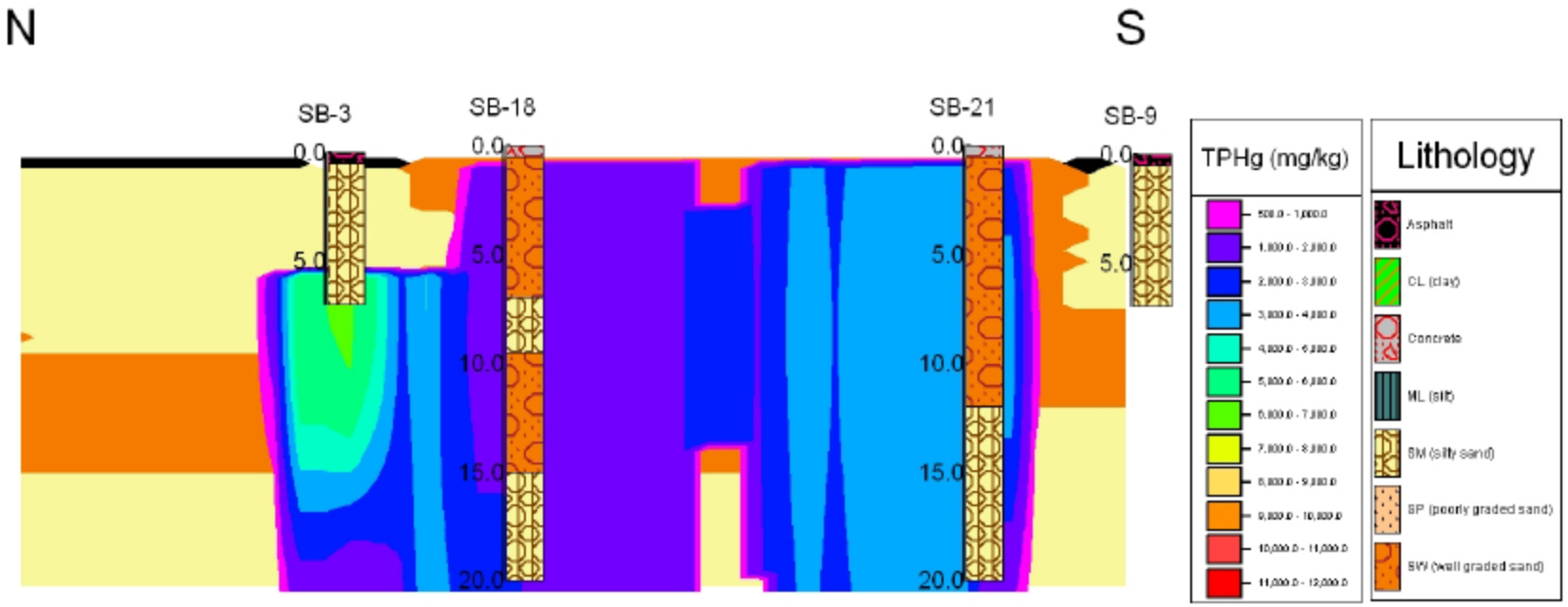
Revised Site Conceptual Model – Nov. 2008
3D Interpolation of
TPHg Soil Sample Results
> 500 mg/kg – South View
(August 1999 and May 2008 Data)

Figure
17



Former Nestle USA, Inc. Facility 1310 14th Street Oakland, California 94607	**ENVIRONMENTAL COST MANAGEMENT, INC.** *Managing Cost and Liability* 660 Baker Street, Suite 253 ● Costa Mesa, CA 92626 Tel: (714) 662-2759 ● Fax: (714) 662-2758	Revised Site Conceptual Model – Nov. 2008 E-W Cross Section TPHg Soil Sample Results (August 1999 and May 2008 Data)	Figure 18



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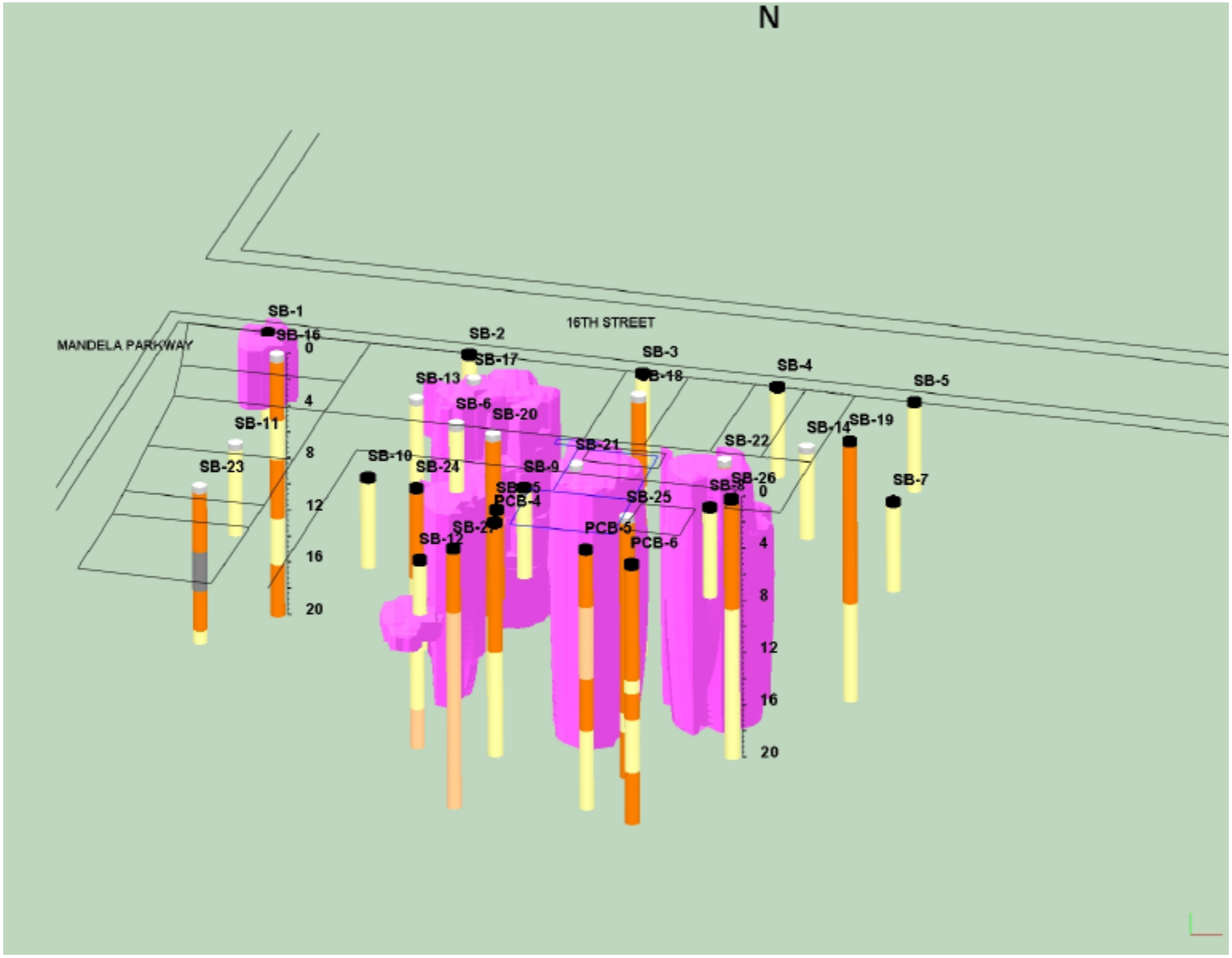
Revised Site Conceptual Model – Nov. 2008
3D Interpolation of
TPHd Soil Sample Results
> 500 mg/kg - Plan View
(August 1999 and May 2008 Data)

Figure
20



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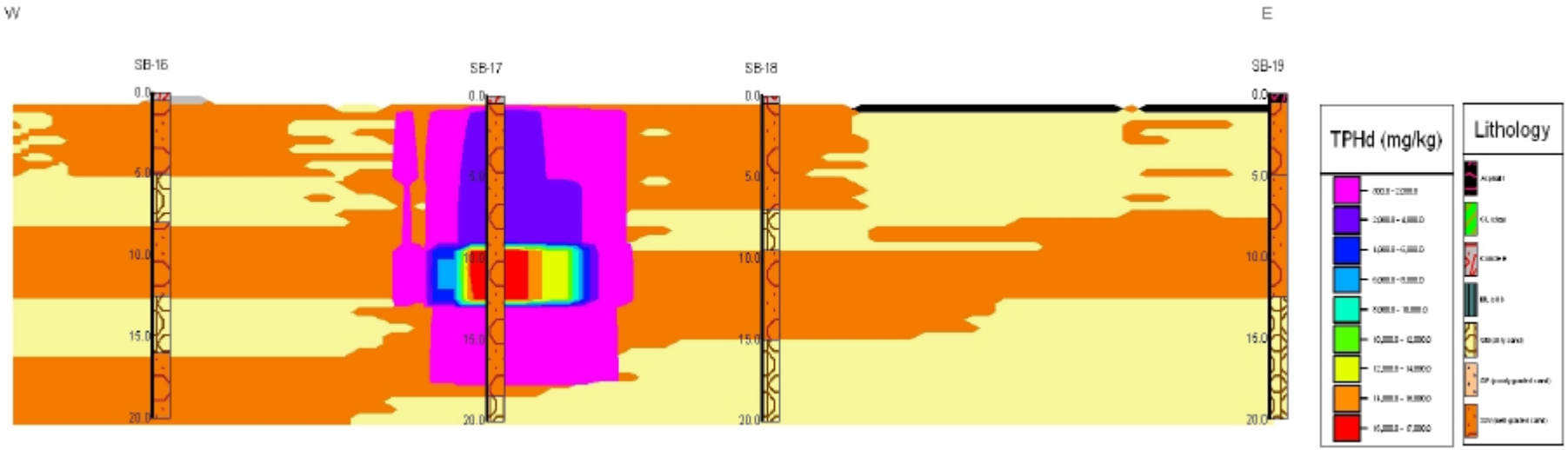
Revised Site Conceptual Model – Nov. 2008
3D Interpolation of
TPHd Soil Sample Results
> 500 mg/kg – South View
(August 1999 and May 2008 Data)

Figure
21



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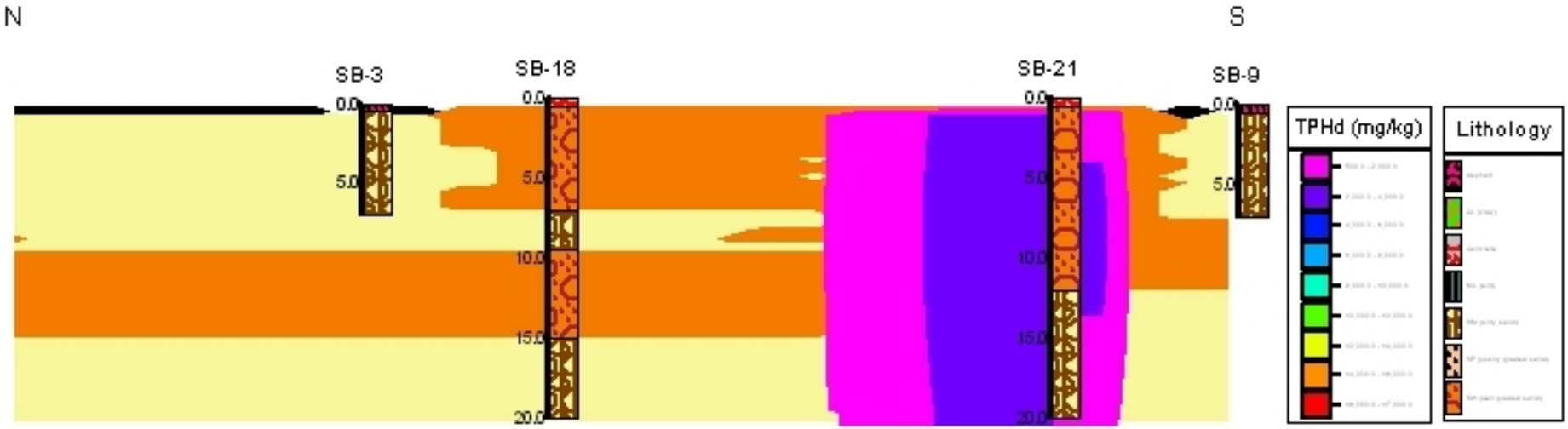

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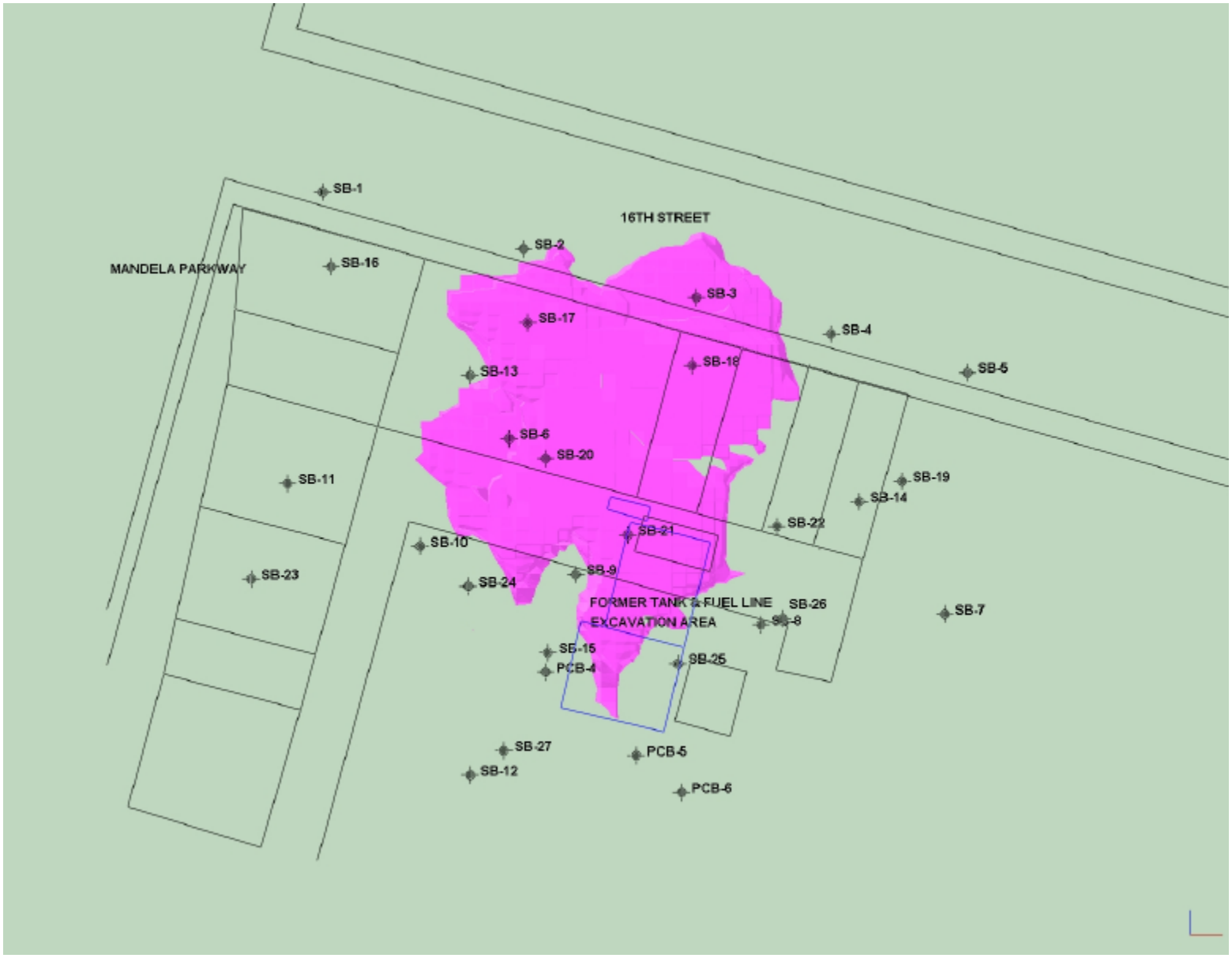

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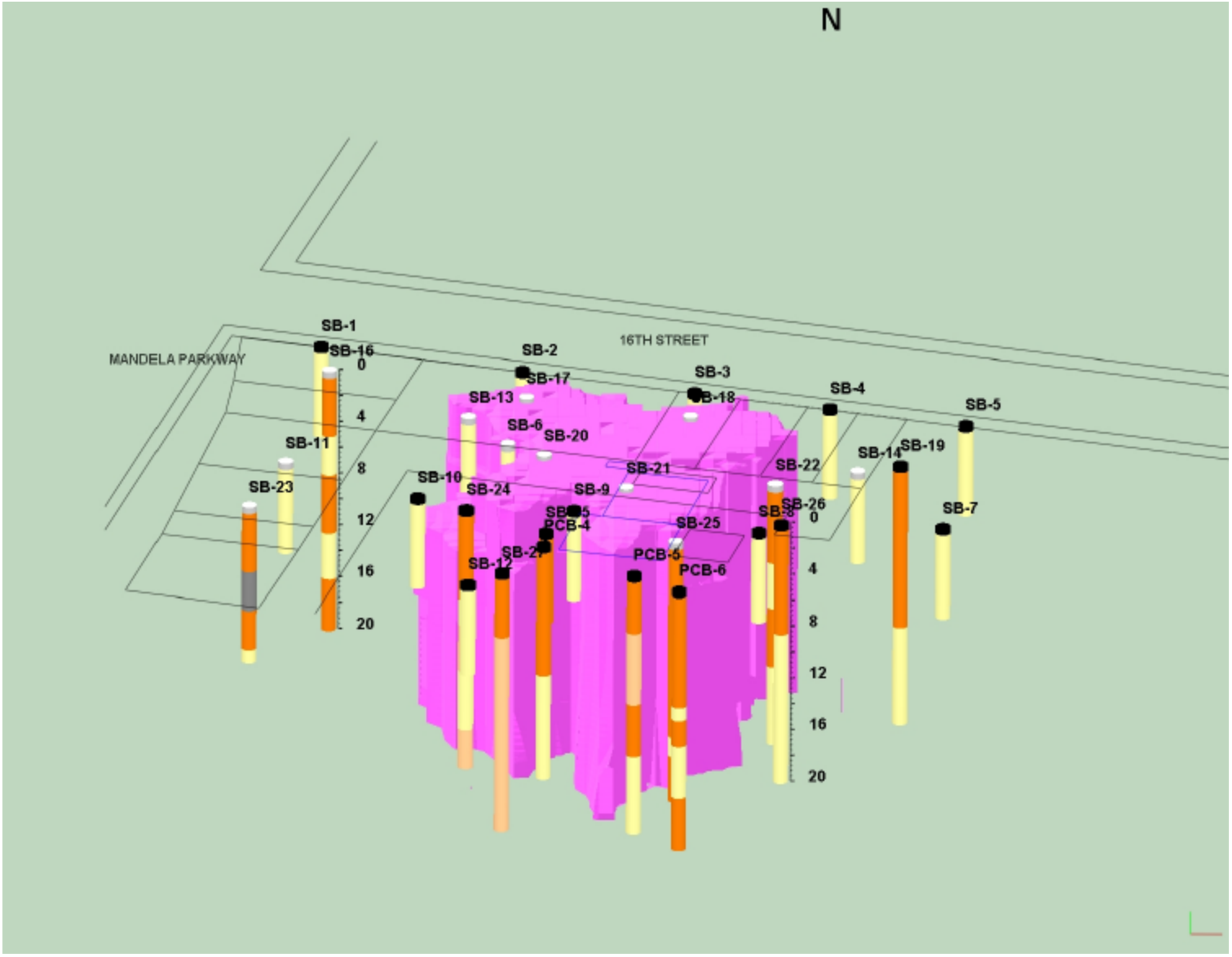
Revised Site Conceptual Model – Nov. 2008
3D Interpolation of
Benzene Soil Sample Results
> 0.5 mg/kg – Plan View
(August 1999 and May 2008 Data)

Figure
24



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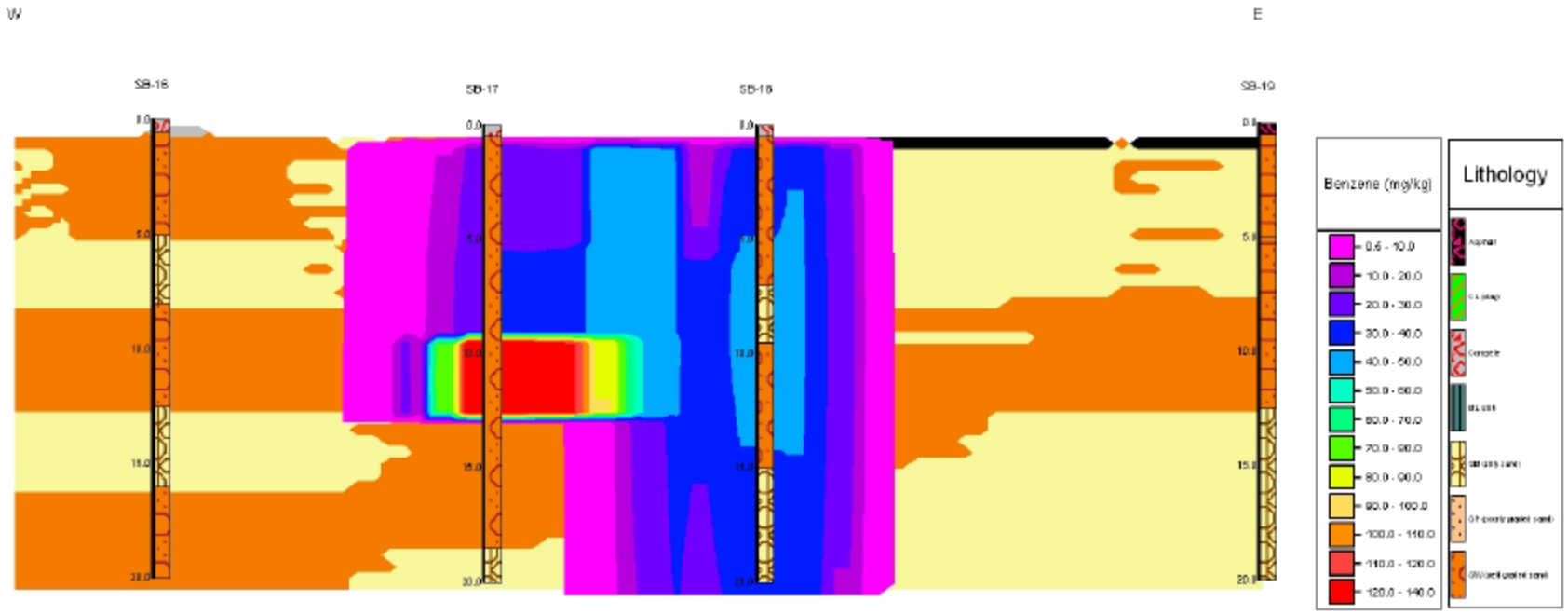
Revised Site Conceptual Model – Nov. 2008
3D Interpolation of
Benzene Soil Sample Results
> 0.5 mg/kg – South View
(August 1999 and May 2008 Data)

Figure
25



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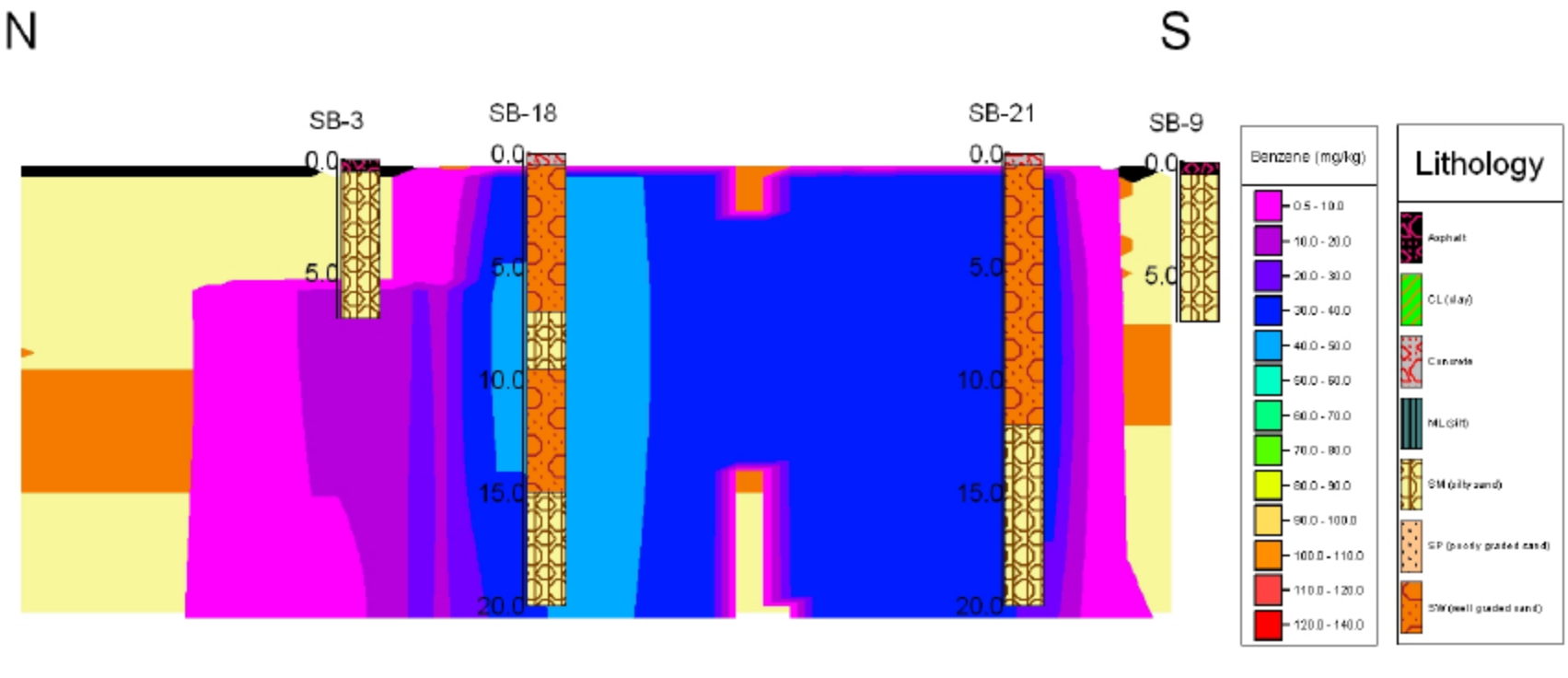

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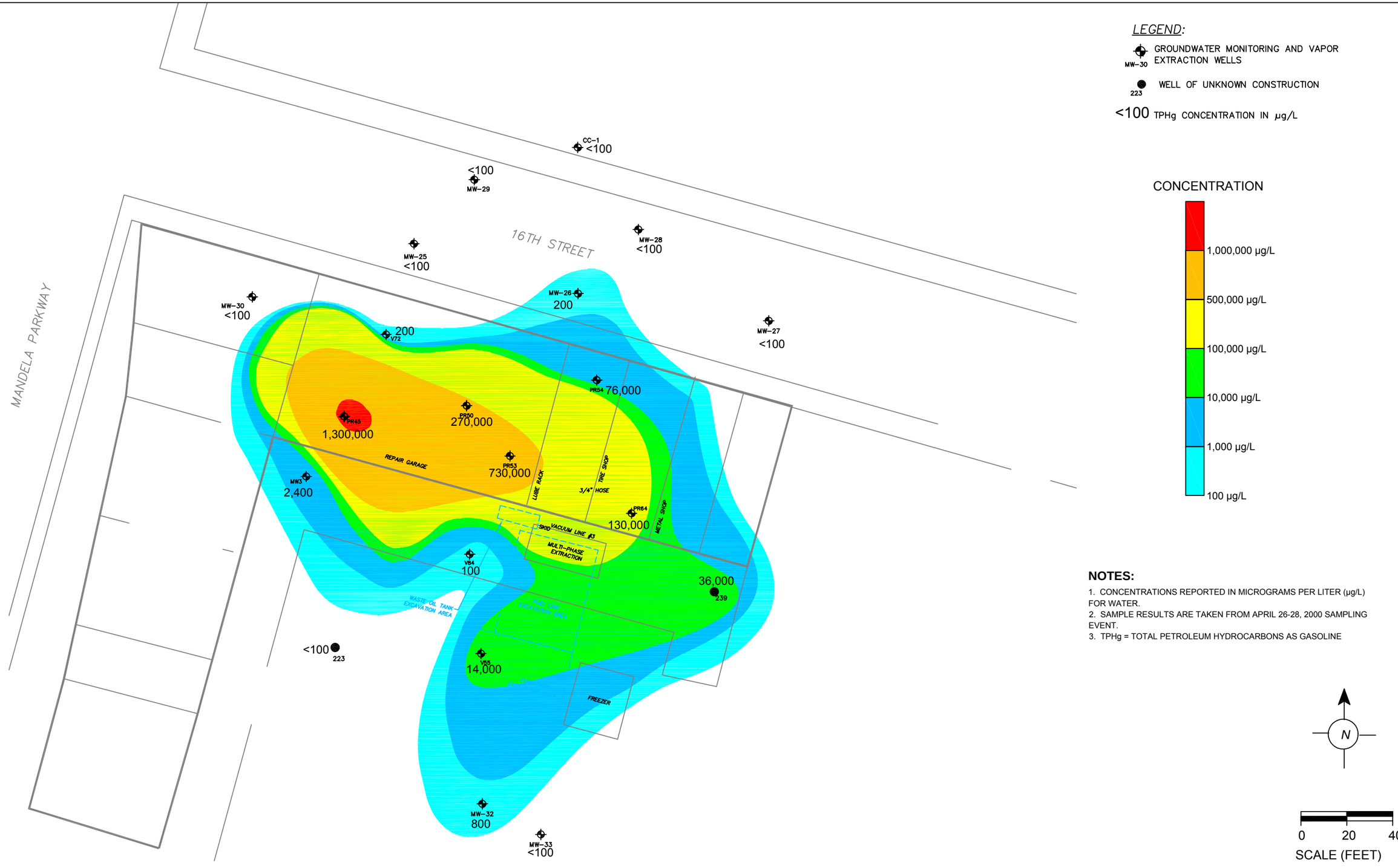
Revised Site Conceptual Model – Nov. 2008
N-S Cross Section
Benzene Soil Sample Results
(August 1999 and May 2008 Data)

Figure
27



LEGEND:

- MW-30 GROUNDWATER MONITORING AND VAPOR EXTRACTION WELLS
- 223 WELL OF UNKNOWN CONSTRUCTION
- <100 TPHg CONCENTRATION IN µg/L

CONCENTRATION

- 1,000,000 µg/L
- 500,000 µg/L
- 100,000 µg/L
- 10,000 µg/L
- 1,000 µg/L
- 100 µg/L

NOTES:

1. CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L) FOR WATER.
2. SAMPLE RESULTS ARE TAKEN FROM APRIL 26-28, 2000 SAMPLING EVENT.
3. TPHg = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE

N

0 20 40

SCALE (FEET)

Project: Nestle-Oakland
Proj. Manager: B. Acharya
Date drafted: 10/16/08
Chkd by: B. Searcy
Drafter: hat
File Path: Nestle/Ripon/2006/ 2Q06SiteStatusReport

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Revised Site Conceptual Model - Nov. 2008

Groundwater Isoconcentrations,TPHg (April 2000)

Figure 28

Project: Nestle-Oakland
Proj. Manager: B. Acharya
Date drafted: 10/20/08
Chkd by: B. Searcy
Drafter: hat
File Path: Nestle/Ripon/2006/ 2Q06SiteStatusReport

16TH STREET

MANDELA PARKWAY

SB16
<50

SB17
120,000

SB18
190,000

SB19
8,200

170,000
SB20/PCB-7

110,000
SB21/PCB-8

SB22
870,000

SB24/PCB-1
<50

SB25/PCB-2
<50

SB26
<50

SB27/PCB-3
NA

REPAIR GARAGE
LUBE RACK
TIRE SHOP
3/4" HOSE
METAL SHOP
SKID VACUUM LINE #3
MULTI-PHASE EXTRACTION
WASTE OIL TANK EXCAVATION AREA
FUEL TANK EXCAVATION AREA
FREEZER

LEGEND:

SB23 ○ HYDROCARBON SOIL BORING LOCATION

SB24/PCB-1 ⊕ HYDROCARBON/ PCB SOIL BORING LOCATION

<100 TPHg CONCENTRATION IN µg/L

CONCENTRATION

1,000,000 µg/L
500,000 µg/L
100,000 µg/L
10,000 µg/L
1,000 µg/L
100 µg/L

NOTES:

1. CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L) FOR WATER.
2. SAMPLE RESULTS ARE TAKEN FROM MAY 20-23, 2008 SAMPLING EVENT.
3. TPHg = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE

N

0 20 40
SCALE (FEET)

Former Nestlé Oakland Facility
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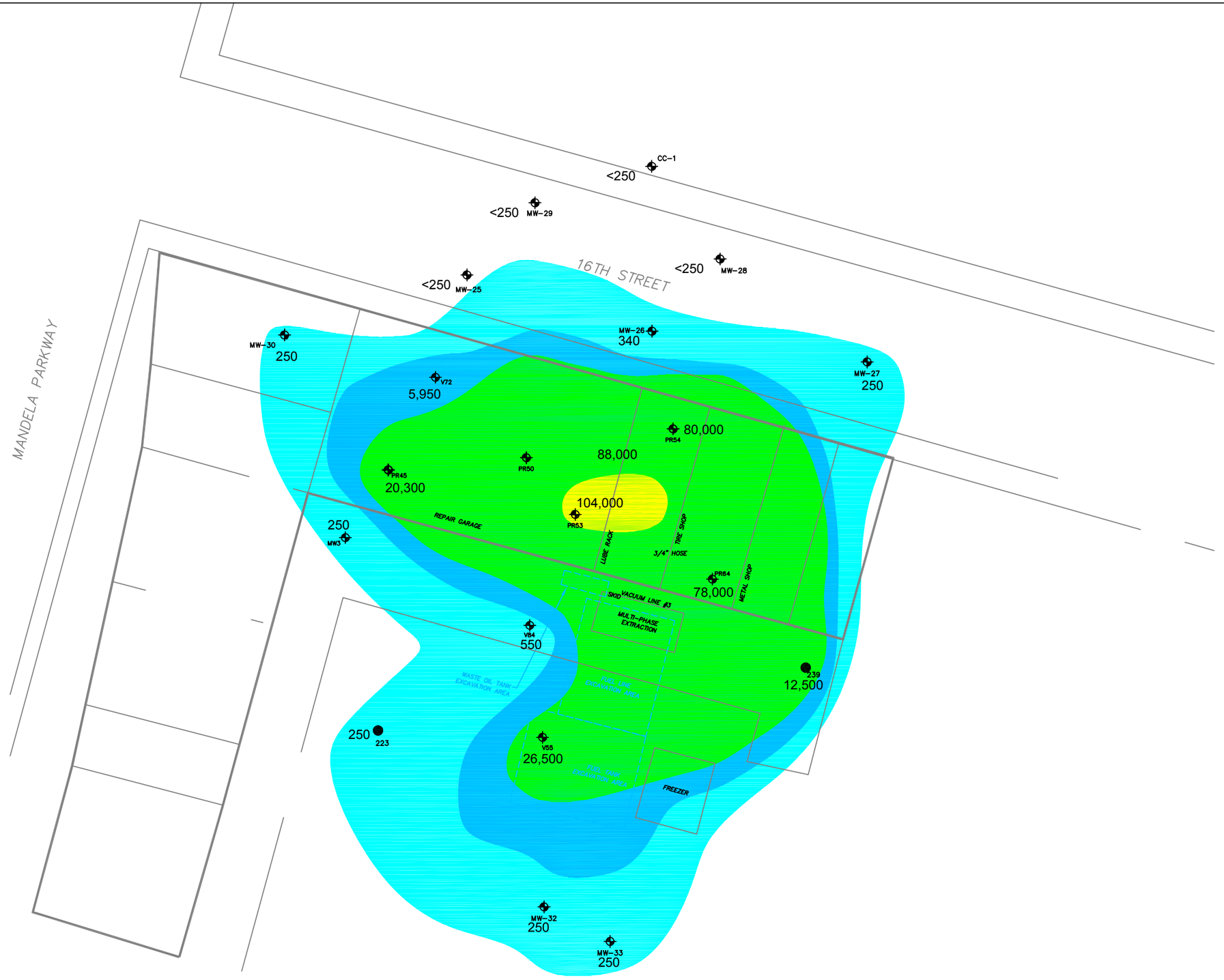
Revised Site Conceptual Model - Nov. 2008

Groundwater Isoconcentrations,TPHg (May 2008)

Figure 29



LEGEND:

MW-30 GROUNDWATER MONITORING AND VAPOR EXTRACTION WELLS

223 WELL OF UNKNOWN CONSTRUCTION

<250 TPHd CONCENTRATION IN µg/L

CONCENTRATION

- 1,000,000 µg/L
- 500,000 µg/L
- 100,000 µg/L
- 10,000 µg/L
- 1,000 µg/L
- 100 µg/L

NOTES:

1. CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L) FOR WATER.
2. SAMPLE RESULTS ARE TAKEN FROM APRIL 26-28, 2000 SAMPLING EVENT.
3. TPHd = TOTAL PETROLEUM HYDROCARBONS AS DIESEL

N

0 20 40
SCALE (FEET)

Former Nestlé Oakland Facility
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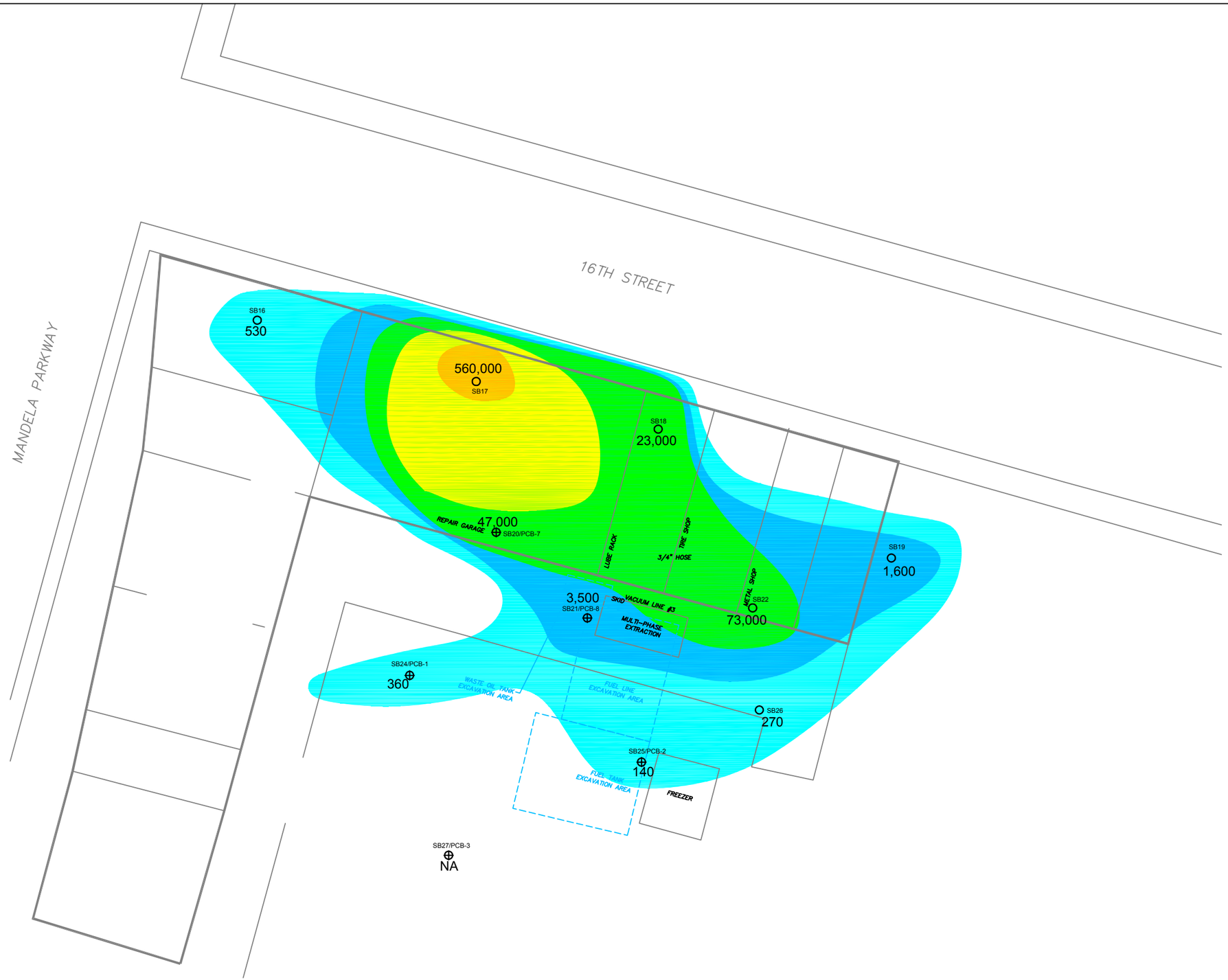
Revised Site Conceptual Model - Nov. 2008

Groundwater Isoconcentrations, TPHd (April 2000)

Figure 30



LEGEND:

SB23 ○ HYDROCARBON SOIL BORING LOCATION

SB24/PCB-1 ⊕ HYDROCARBON/ PCB SOIL BORING LOCATION

140 TPHd CONCENTRATION IN µg/L

CONCENTRATION

- 1,000,000 µg/L
- 500,000 µg/L
- 100,000 µg/L
- 10,000 µg/L
- 1,000 µg/L
- 100 µg/L

NOTES:

1. CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L) FOR WATER.
2. SAMPLE RESULTS ARE TAKEN FROM MAY 20-23, 2008 SAMPLING EVENT.
3. TPHd = TOTAL PETROLEUM HYDROCARBONS AS DIESEL

N

0 20 40

SCALE (FEET)

File Path: Nestle/Ripon/2006/ 2Q06SiteStatusReport Date drafted: 10/28/08 Chkd by: B. Searcy Drafter: hat Proj. Manager B. Acharya Project: Nestle-Oakland

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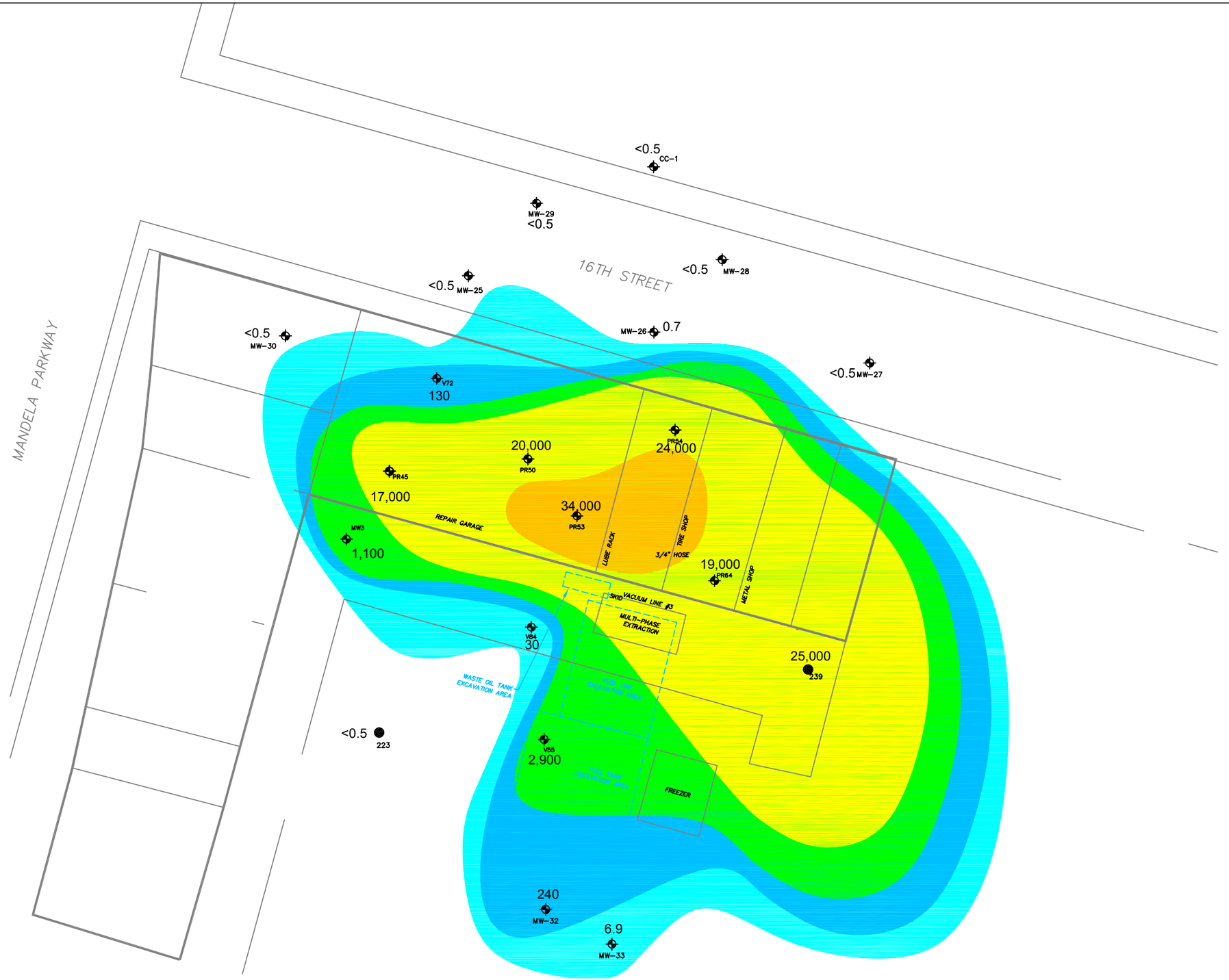
Revised Site Conceptual Model - Nov. 2008

Groundwater Isoconcentrations, TPHd (May 2008)

Figure 31



LEGEND:

MW-30 GROUNDWATER MONITORING AND VAPOR EXTRACTION WELLS

223 WELL OF UNKNOWN CONSTRUCTION

<250 BENZENE CONCENTRATION IN µg/L

CONCENTRATION

50,000 µg/L
25,000 µg/L
10,000 µg/L
1,000 µg/L
100 µg/L
1 µg/L

NOTES:

1. CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L) FOR WATER.
2. SAMPLE RESULTS ARE TAKEN FROM APRIL 26-28, 2000 SAMPLING EVENT.

N

0 20 40
SCALE (FEET)

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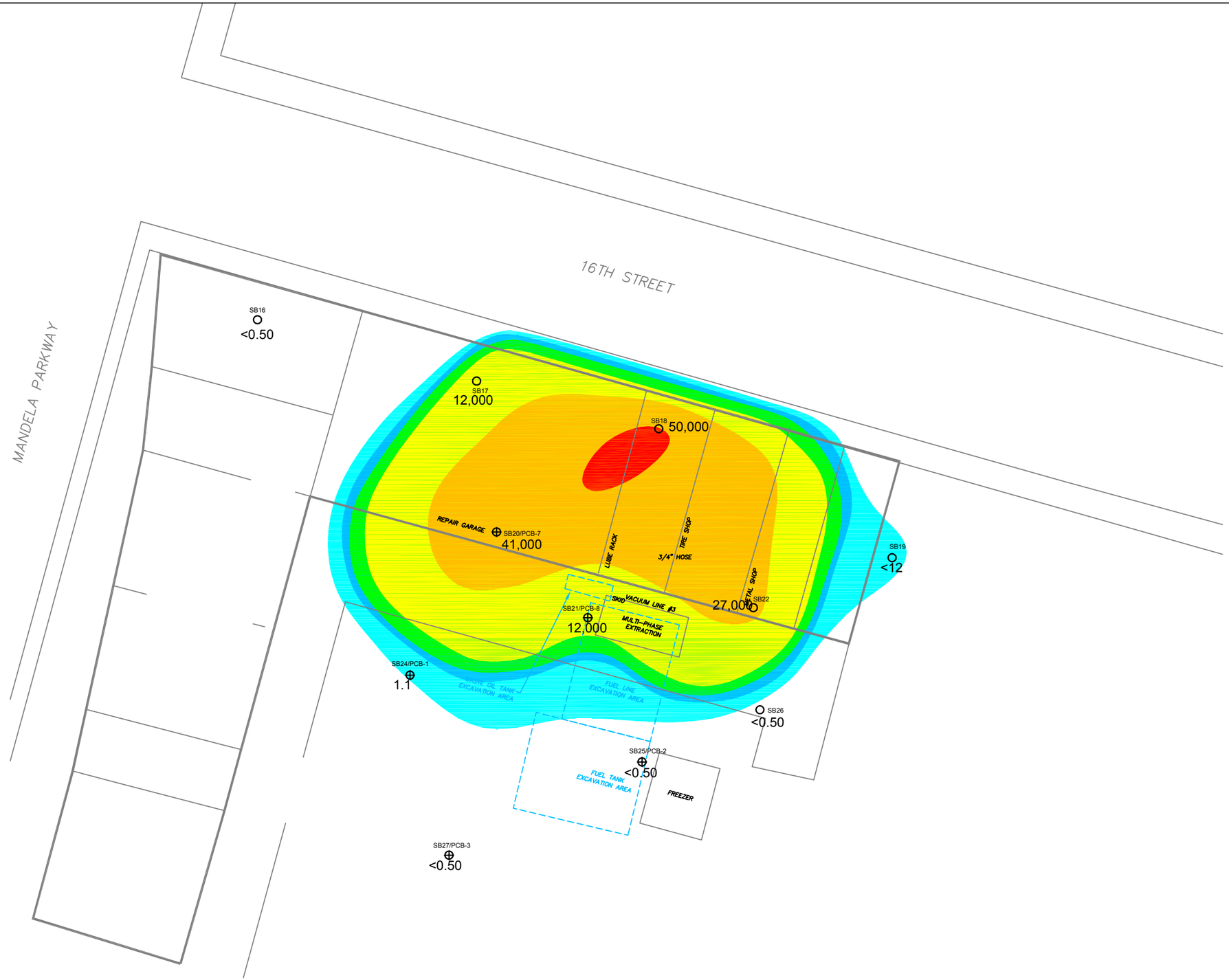
Revised Site Conceptual Model - Nov. 2008

Groundwater Isoconcentrations, Benzene (April 2000)

Figure 32



LEGEND:

SB23 ○ HYDROCARBON SOIL BORING LOCATION

SB24/PCB-1 ⊕ HYDROCARBON/ PCB SOIL BORING LOCATION

<0.50 BENZENE CONCENTRATION IN µg/L

CONCENTRATION

- 50,000 µg/L
- 25,000 µg/L
- 10,000 µg/L
- 1,000 µg/L
- 100 µg/L
- 1 µg/L

NOTES:

1. CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L) FOR WATER.
2. SAMPLE RESULTS ARE TAKEN FROM MAY 20-23, 2008 SAMPLING EVENT.

N

0 20 40

SCALE (FEET)

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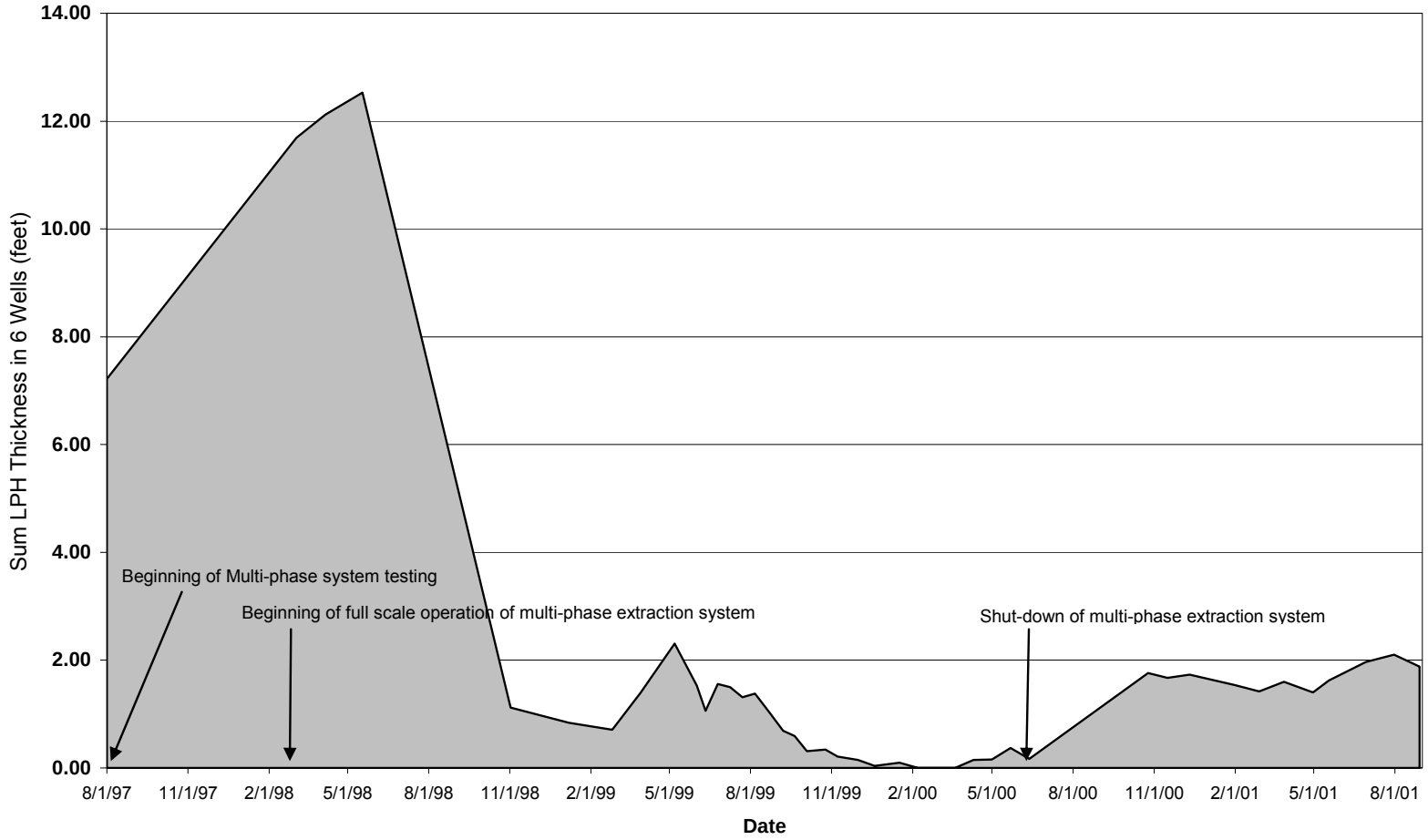
Revised Site Conceptual Model - Nov. 2008

Groundwater Isoconcentrations, Benzene (May 2008)

Figure 33

Sum of LPH Thickness in 6 Wells
(MW23, MW24, PR48, PR58, PR61, and PR64)



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Tables

Revised Site Conceptual Model
Former Nestlé USA, Inc. Facility-Oakland, CA
1310 14th Street, Oakland, CA

Table 1a: Soil Gas Sampling Results
Vapors in Soil - August 99

Concentration (ppbv)

Sample ID	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g	TPH-d	Acetone	1,3-Bu-tadiene	2-Bu-tanone	Carbon Disulfide	Chloro-benzene	Chloro-form	Chloro-methane	Cyclo-hexane	1,2-Di-chloro-benzene	1,3-Di-chloro-benzene	1,4-Di-chloro-benzene	1,1-Di-chloro-ethane	1,2-Di-chloro-ethane	1,1-Di-chloro-ethene	cis-1,2-Dichloro-ethene	1,4-Di-oxane	Ethanol	4-Ethyl-toluene	Freon 11	Freon 12	Freon 113	Hep-tane	Hex-ane	4-Methyl-2-penta-none	Methylene Chloride	Methyl t-butyl ether	2-Pro-panol	Sty-rene	Tetra-chloro-ethene	Tetra-hydro-furan	1,1,1-Tri-chloro-ethane	Tri-chloro-ethene	1,2,4-Tri-methyl-benzene	1,3,5-Tri-methyl-benzene
SB1, 3'	**4.3**	**3.1**	<0.65	**2.74**	**800**	NA	**77 a**	**2.8**	**13**	**6.2**	<0.65	<0.65	<0.65	<2.6	<0.65	<0.65	**0.77**	<0.65	<0.65	<0.65	<0.65	<2.6	**63**	<2.6	**0.74**	**0.93**	**27**	<2.6	**4.4**	**3.8**	**3.7**	<2.6	**5.6**	<0.65	**1.2**	<2.6	<0.65	<0.65	**1.1**	<0.65
SB2, 3'	**7.5**	**12**	**3.6**	**17.6**	**1,100**	NA	**260 a**	<2.7	**24**	**9.0**	<0.67	**3.9**	<0.67	**12**	<0.67	<0.67	**1.8**	<0.67	<0.67	<0.67	<0.67	<2.7	**110**	<2.7	**1.2**	**200**	<0.67	**3.3**	**5.3**	**8.1**	**2.2**	<2.7	<2.7	**3.0**	<0.67	<2.7	<0.67	<0.67	**2.0**	**0.77**
SB3, 3'	**9,900**	**230**	**68**	**67**	**36,000**	NA	<190	<190	<190	<190	<48	<48	<48	<190	<48	<48	<48	<48	<48	<48	<48	<190	<190	<190	<48	**180**	<48	<190	**590**	<190	<48	<190	<190	<48	<48	<190	<48	<48	<48	<48
SB3, 3' dup	**9,500**	**240**	<140	<140	**40,000**	NA	<580	<580	<580	<580	<140	<140	<140	<580	<140	<140	<140	<140	<140	<140	<140	<580	<580	<580	<140	**160**	<140	<580	**580**	<580	<140	<580	<580	<140	<140	<580	<140	<140	<140	<140
SB4, 3'	**1,200**	**76**	**8.1**	**18.7**	**4,600**	NA	**200 a**	**19**	<14	<14	<3.5	<3.5	<3.5	**32**	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<14	**1,400**	<14	<3.5	**100**	<3.5	<14	**19**	**15**	**340**	<14	**22**	<3.5	**160**	<14	**21**	<3.5	<3.5	<3.5
SB5, 3'	**7.6**	**5.6**	**0.80**	**1.9**	**1,900**	NA	**45 a**	**61**	**12**	**18**	<0.71	<0.71	**0.77**	**8.2**	<0.71	<0.71	<0.71	<0.71	<0.71	<0.71	<0.71	**3.3**	**55**	<2.8	**4.4**	**1.2**	**3.4**	<2.8	<2.8	<2.8	<0.71	<2.8	<2.8	<0.71	<0.71	<2.8	<0.71	<0.71	<0.71	<0.71
SB6, 3'	**3.0**	**4.2**	<0.68	**2.52**	**560**	NA	**11 a**	<2.7	**4.0**	<2.7	<0.68	<0.68	<0.68	<2.7	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<2.7	**35**	<2.7	<0.68	<0.68	<0.68	<2.7	<2.7	<2.7	<0.68	<2.7	<2.7	<0.68	<0.68	<2.7	<0.68	<0.68	**1.1**	<0.68
SB7, 3'	**5.9**	**6.2**	**0.87**	**4.3**	**780**	NA	**43 a**	**3.4**	**7.9**	**3.3**	<0.73	<0.73	<0.73	**5.1**	<0.73	<0.73	**2.0**	<0.73	<0.73	<0.73	<0.73	**8.2**	**94**	<2.9	**0.74**	**1.1**	<0.73	<2.9	**6.8**	**4.4**	<0.73	<2.9	**3.8**	**1.0**	**2.0**	<2.9	<0.73	<0.73	**1.8**	<0.73
SB8, 3'	**10**	**12**	**3.8**	**15.7**	**1,300**	NA	**42 a**	<11	<11	<11	<2.8	<2.8	<2.8	<11	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<11	**62**	<11	**6.5**	**630**	<2.8	<11	<11	<11	<2.8	<11	<11	<2.8	<2.8	<11	<2.8	<2.8	**5.3**	<2.8
SB9, 3'	**12**	**18**	**1.7**	**9.9**	**690**	NA	**19 a**	<2.7	**6.0**	<2.7	<0.68	**1.1**	<0.68	**4.9**	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<2.7	**47**	<2.7	**1.5**	**20**	<0.68	<2.7	**4.3**	<2.7	<0.68	<2.7	<2.7	<0.68	<0.68	<2.7	<0.68	<0.68	**2.3**	**0.77**
SB10, 3'	**3.5**	**2.8**	<0.80	**1.7**	**610**	NA	**39 a**	<3.2	**9.7**	<3.2	<0.80	**1.6**	<0.80	<3.2	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<3.2	**40**	<3.2	<0.80	**1.4**	<0.80	<3.2	**3.9**	<3.2	<0.80	<3.2	<3.2	<0.80	<0.80	<3.2	<0.80	<0.80	**1.2**	<0.80
SB11, 3'	**2.7**	**1.9**	<0.82	**0.91**	**520**	NA	**38 a**	<3.3	**9.9**	<3.3	<0.82	<0.82	**3.7**	<3.3	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	**22**	**23**	<3.3	**4.6**	<0.82	<0.82	<3.3	<3.3	<3.3	**1.2**	<3.3	<3.3	<0.82	<0.82	<3.3	<0.82	<0.82	**0.85**	<0.82
SB12, 3'	**250**	<70	<70	**610**	**750,000**	NA	<280	<280	<280	<280	<70	<70	<70	<280	**480**	<70	**76**	<70	<70	<70	<70	<280	<280	**760**	<70	<70	<70	<280	**18,000**	<280	<70	<280	<280	<70	<70	<280	<70	<70	**580**	**740**
SB13, 3'	**0.91**	**8.5**	<0.67	**1.3**	**550**	NA	**49 a**	<2.7	**5.5**	**6.4**	<0.67	<0.67	<0.67	<2.7	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	**4.3**	**410 b**	<2.7	<0.67	<0.67	<0.67	**3.4**	<2.7	<2.7	**5.6**	<2.7	**26**	<0.67	<0.67	**58**	<0.67	<0.67	**1.1**	<0.67
SB14, 3'	**2.7**	**5.3**	**0.87**	**4.7**	**620**	NA	**10 a**	<2.8	**3.5**	<2.8	<0.70	<0.70	<0.70	<2.8	<0.70	<0.70	**1.6**	<0.70	<0.70	<0.70	<0.70	<2.8	**67**	<2.8	<0.70	<0.70	<0.70	<2.8	<2.8	**2.8**	**1.3**	**2.9**	<2.8	**0.82**	<0.70	<2.8	<0.70	<0.70	**2.0**	**0.81**
SB15, 3'	**42**	**12**	**1.6**	**6.7**	**2,100**	NA	**51 a**	**13**	**13**	<5.8	<1.4	<1.4	<1.4	<5.8	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<5.8	**190**	<5.8	<1.4	**46**	<1.4	<5.8	**50**	<5.8	**4.8**	<5.8	<5.8	<1.4	**2.1**	<5.8	<1.4	<1.4	**1.8**	<1.4

Notes:

ppbv — Parts per billion volumetric.

a — Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
b — Exceeds instrument calibration range.

NA — Not analyzed.
TPH-g — Total Petroleum Hydrocarbons as gasoline.
TPH-d — Total Petroleum Hydrocarbons as diesel.

Revised Site Conceptual Model
Former Nestlé USA, Inc. Facility-Oakland, CA
1310 14th Street, Oakland, CA

Table 1b: Soil Gas Sampling Results
Vapors in Soil - May 08

Boring Location	Sample Depth (feet bgs)	Date of Sample Collection	Analytical results (ug/L) of Vapor							
			TPH g	TPH d	Benzene	Ethylbenzene	Toluene	Xylenes, Tot	1,2-DCA	Others
SB-16	5	19-May-08	<10	<50	<0.10	<0.10	<0.20	<0.30	<0.10	
SB-17	5	19-May-08	<10	<50	<0.10	<0.10	<0.20	<0.30	<0.10	
SB-18	5	19-May-08	630	<50	2.2	<0.10	0.44	<0.30	<0.10	
SB-19	5	19-May-08	<10	<50	<0.10	<0.10	<0.20	<0.30	<0.10	
SB-20/ PCB-7	5	19-May-08	19	<50	<0.10	<0.10	<0.20	<0.30	<0.10	
SB-21/ PCB-8	5	19-May-08	25	<50	<0.10	<0.10	<0.20	<0.30	<0.10	
SB-22	5	19-May-08	2,600	<50	40	7.7	32	19.1	<0.10	Dichlorodifluoromethane: 0.39
SB-23	5	19-May-08	<10	<50	<0.10	<0.10	<0.20	<0.30	<0.10	
SB-24/ PCB-1	5	19-May-08	<10	<50	<0.10	<0.10	0.22	<0.30	<0.10	
SB-25/ PCB-2	5	19-May-08	<10	<50	<0.10	<0.10	<0.20	<0.30	<0.10	
SB-26	5	19-May-08	<10	<50	<0.10	<0.10	<0.20	<0.30	<0.10	Dichlorodifluoromethane: 10
SB-27/ PCB-3	5	19-May-08	<10	<50	<0.10	<0.10	<0.20	<0.30	<0.10	
SB-22 dup	5	19-May-08	2,600	<50	40	7.5	32	18.0	<0.10	Dichlorodifluoromethane: 0.38
Probe Blank	NA	19-May-08	<10	<50	<0.10	<0.10	<0.20	<0.30	<0.10	

Notes:

EPA Method 8260B for VOC Analyses of soil vapor
EPA Mentod 8015m for TPH-g and TPH-d analyses of soil vapor

Revised Site Conceptual Model
Former Nestlé USA, Inc. Facility-Oakland, CA
1310 14th Street, Oakland, CA

Table 2: Historical Soil Sample Results (1999 - 2008)

Boring Location	Sample Depth (feet bgs)	Date of Sample Collection	Analytical results (mg/kg)								
			TPH g	TPH d	TPH mo	Benzene	Toluene	Ethylbenzene	Xylenes, Tot	1,2-DCA	Others
SB-1	3.5-4.0	08/12/99	<0.13	**1,200**	NA	<0.0013	<0.0013	<0.0013	<0.0013	<0.0011	
SB-1	6.5-7.0	08/12/99	<0.10	<5.9	NA	<0.001	<0.001	<0.001	<0.001	<0.0008	
SB-2	3.5-4.0	08/12/99	<0.09	<5.6	NA	<0.0009	<0.0009	<0.0009	<0.0009	<0.001	
SB-2	6.5-7.0	08/12/99	<0.10	<5.9	NA	<0.001	<0.001	<0.001	<0.001	**0.001**	
SB-3	3.5-4.0	08/12/99	<0.10	<5.6	NA	<0.001	<0.001	<0.001	<0.001	**0.0007**	
SB-3	6.5-7.0	08/12/99	**6,160**	<5.7	NA	**11**	**190**	**100**	**460**	**0.0018**	MTBE: 0.073
SB-4	3.5-4.0	08/12/99	<0.10	<5.5	NA	<0.001	<0.001	<0.001	<0.001	<0.0007	
SB-4	6.5-7.0	08/12/99	**1**	**94**	NA	**0.082**	**0.0085**	**0.0073**	**0.013**	**0.001**	
SB-5	3.5-4.0	08/12/99	<0.09	<5.5	NA	<0.0009	<0.0009	<0.0009	<0.0009	**0.0006**	
SB-5	6.5-7.0	08/12/99	<0.08	<5.9	NA	<0.0008	<0.0008	<0.0008	<0.0008	**0.0009**	
SB-6	3.5-4.0	08/13/99	<0.10	<5.5	NA	<0.001	<0.001	<0.001	<0.001	<0.0008	
SB-6	6.5-7.0	08/13/99	**10,100**	**1,100**	NA	**76**	**490**	**170**	**990**	**0.43**	
SB-7	3.5-4.0	08/12/99	<0.10	<5.4	NA	<0.001	<0.001	<0.001	<0.001	<0.0008	
SB-7	6.5-7.0	08/12/99	<0.11	<5.8	NA	<0.0011	<0.0011	<0.0011	<0.0011	<0.0009	
SB-8	3.5-4.0	08/12/99	<0.10	<5.6	NA	<0.001	<0.001	<0.001	<0.001	<0.0007	
SB-8	6.5-7.0	08/12/99	**13**	<5.8	NA	**0.43**	**0.36**	**0.12**	**0.83**	**0.0012**	MTBE: 0.022
SB-9	3.5-4.0	08/13/99	<0.09	<5.6	NA	<0.0009	<0.0009	<0.0009	<0.0009	<0.001	
SB-9	6.5-7.0	08/13/99	<0.61	<5.8	NA	**0.024**	<0.0061	<0.0061	<0.0061	<0.0011	
SB-10	3.5-4.0	08/13/99	<0.09	<5.6	NA	<0.0009	<0.0009	<0.0009	<0.0009	<0.0008	
SB-10	6.5-7.0	08/13/99	<0.13	<6.4	NA	<0.0013	<0.0013	<0.0013	<0.0013	<0.001	
SB-11	3.5-4.0	08/13/99	<0.20	<5.5	NA	<0.002	<0.002	<0.002	<0.002	<0.0011	
SB-11	6.5-7.0	08/13/99	<0.11	<5.7	NA	<0.0011	<0.0011	<0.0011	<0.0011	<0.001	
SB-12	3.5-4.0	08/12/99	<0.10	<5.5	NA	<0.001	<0.001	<0.001	<0.001	<0.0006	
SB-12	4.5-5.0	08/12/99	**496**	**2,900**	NA	**0.07**	**0.032**	**4**	**6.7**	<0.0009	Chlorobenzene: 0.0017 1,2-DCB: 3.1 1,3-DCB: 0.038 1,4-DCB: 0.33 MTBE:
SB-12	6.5-7.0	08/12/99	**2**	**60**		<0.001	<0.001	**0.023**	**0.0098**	<0.0011	MTBE: 0.001
SB-13	3.5-4.0	08/13/99	**1**	**390**	NA	<0.0012	**0.002**	**0.0027**	**0.0027**	**0.0025**	
SB-13	6.5-7.0	08/13/99	**12**	**65**	NA	**0.25**	**0.048**	**0.15**	**0.49**	**0.0014**	
SB-14	3.5-4.0	08/12/99	<0.08	<5.5	NA	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	MTBE: 0.084
SB-14	6.5-7.0	08/12/99	**29**	**450**	NA	**0.56**	**0.29**	**0.33**	**1.7**	**0.0097**	
SB-15	3.5-4.0	08/12/99	<0.51	**140**	NA	<0.0054	<0.0054	<0.0054	<0.0054	<0.0091	
SB-15	6.5-7.0	08/12/99	<0.57	**81**	NA	<0.0061	**0.012**	<0.0061	**0.0085**	<0.0098	
SB-16	6-6.5	05/19/08	<0.22	**30**	<50	<0.0043	<0.0043	<0.0043	<0.0087	<0.0043	
SB-17	8-8.5	05/22/08	**2,500**	**3,600**	**2,900**	**30**	**130**	**27**	**120**	ND	
SB-17	10-10.5	05/22/08	**12,000**	**17,000**	**13,000**	**140**	**580**	**120**	**620**	<8.3	
SB-17	15-15.5	05/22/08	**64**	**1,400**	**1,300**	<0.89	<0.89	<0.89	<1.8	<0.89	
SB-17	20-20.5	05/22/08	<0.21	<0.99	<49	<0.0042	<0.0042	<0.0042	<0.0084	<0.0042	
SB-18	8-8.5	05/21/08	**1,900**	**67**	<49	**41**	**110**	**28**	**130**	<19	
SB-19	8-8.5	05/21/08	<0.25	<0.99	<49	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	

Table 2: Historical Soil Sample Results (1999 - 2008)

Boring Location	Sample Depth (feet bgs)	Date of Sample Collection	Analytical results (mg/kg)								
			TPH g	TPH d	TPH mo	Benzene	Toluene	Ethylbenzene	Xylenes, Tot	1,2-DCA	Others
SB-20/ PCB-7	8-8.5	05/22/08	**5,600**	**390**	**51**	**86**	**280**	**54**	**280**	<8.3	
SB-21/ PCB-8	8-8.5	05/21/08	**3,800**	**2,500**	<49	**40**	**210**	**69**	**360**	<19	
SB-22	8-8.5	05/21/08	**3,200**	**1,100**	<500	<47	**140**	<47	**190**	<47	
SB-23	11.5-12	05/22/08	<0.21	**1.2**	<49	<0.0041	<0.0041	<0.0041	<0.0082	<0.0041	
SB-24/ PCB-1	9-9.5	05/20/08	<0.19	**1.6**	<50	<0.0039	<0.0039	<0.0039	<0.0078	<0.0039	
SB-25/ PCB-2	8-8.5	05/20/08	<0.19	**1.1**	<50	<0.0037	<0.0037	<0.0037	<0.0075	<0.0037	
SB-26	8.5-9	05/21/08	<0.23	**10**	<50	<0.0047	<0.0047	<0.0047	<0.0093	<0.0047	
SB-27/ PCB-3	8.5-9	05/20/08	<0.27	<0.99	<49	<0.0054	<0.0054	<0.0054	<0.011	<0.0054	
SB-20/ PCB-7 Dup	8-8.5	05/22/08	**4,900**	**610**	<250	**99**	**300**	**64**	**340**	<21	
SB-25/ PCB-2 Dup	8-8.5	05/20/08	NA	<1.0	<50	NA	NA	NA	NA	NA	

Notes:

NA = Not Analyzed
EPA Method 8260 for BTEX and 1,2-DCA analyses of soil
EPA Mentod 8015m for TPH-g, TPH-d, and TPM-mo analyses of soil

Revised Site Conceptual Model
Former Nestlé USA, Inc. Facility-Oakland, CA
1310 14th Street, Oakland, CA

Table 3: Soil Sample Results
PCBs in Soil

Boring Location	Sample Depth (feet bgs)	Date of Sample Collection	Analytical results (ug/kg)						
			PCB- 1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260
PCB-4	8-8.5	21-May-08	<49	<49	<49	<49	<49	<49	<49
PCB-5	8-8.5	21-May-08	<50	<50	<50	<50	<50	<50	<50
PCB-6	8.5-9	21-May-08	<50	<50	<50	<50	<50	<50	<50
SB-20/ PCB-7	8-8.5	22-May-08	<50	<50	<50	<50	<50	<50	<50
SB-21/ PCB-8	8-8.5	21-May-08	<50	<50	<50	<50	<50	<50	<50
SB-24/ PCB-1	9-9.5	20-May-08	<50	<50	<50	<50	<50	<50	<50
SB-25/ PCB-2	8-8.5	20-May-08	<50	<50	<50	<50	<50	<50	<50
SB-27/ PCB-3	8.5-9	20-May-08	<49	<49	<49	<49	<49	<49	<49
PCB-4 Dup	8-8.5	21-May-08	<50	<50	<50	<50	<50	<50	<50
SB-20/ PCB-7 Dup	8-8.5	22-May-08	<50	<50	<50	<50	<50	<50	<50

Notes:

NA = Not Analyzed
EPA method 8082 for PCB analyses of soil

Revised Site Conceptual Model
Former Nestlé USA, Inc. Facility-Oakland, CA
1310 14th Street, Oakland, CA

Table 4: Historical Groundwater Sample Results (1993 - 2008)

Well Number	Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-Benzene µg/L	Xylenes µg/L	TPH-G µg/L	TPH-D µg/L	1,1-DCA µg/L	1,2-DCA µg/L	1,1,1-TCA µg/L	TCE µg/L	MTBE µg/L	Notes
MW-2	03/23/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	07/27/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	11/05/93	--	--	--	--	--	--	--	--	--	--	--	
	02/25/94	<1	<1	<1	<1	<100	<1,000	--	--	--	--	--	
	06/03/94	<0.5	<0.5	<0.5	<0.5	<50	<20,000	--	--	--	--	--	
	08/31/94	<0.3	<0.3	<0.3	<0.6	<500	<500	--	--	--	--	--	
	12/22/94	<0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	Non-diesel peak reported.
	03/13/95	0.8	<0.5	<0.5	<0.5	<50	<400	--	--	--	--	--	
	06/09/95	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	
	09/21/95	0.7	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	
	12/12/95	<0.5	<0.5	<0.5	<1.0	<100	<50	--	--	--	--	--	
	03/12/96	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	
	06/21/96	--	--	--	--	--	--	--	--	--	--	--	
	08/29/96	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	--	
	01/16/97	<0.5	<0.5	<0.5	<0.5	<50	<150	0.7	<0.5	<0.5	<0.5	--	
	07/07/97	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	<0.5	
	01/27/98	<0.5	<0.5	<0.5	<0.5	100	<150	--	--	--	--	<0.5	
	07/22/98	<0.5	<0.5	<0.5	<0.5	<50	--	--	--	--	--	<0.5	
	07/22/99	<0.5	<0.5	<0.5	<0.5	<50	<200	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-3	03/23/93	35	2.9	2	3.2	300	ND	--	--	--	--	--	
	07/27/93	97	1	4	1.1	220	ND	--	--	--	--	--	
	11/05/93	4.9	ND	ND	1.2	170	ND	--	--	--	--	--	
	02/25/94	42	<1	<1	<1	100	<1,000	--	--	--	--	--	
	06/03/94	120	8.2	8.4	4.5	320	<20,000	--	--	--	--	--	
	08/31/94	83	1.1	5.3	2.9	<500	<500	--	--	--	--	--	
	12/22/94	1,460	18	100	50	3,800	270	--	--	--	--	--	
	03/13/95	3,600	260	270	280	14,000	1,700	--	--	--	--	--	
	06/09/95	4,700	58	140	71	3,700	120	--	--	--	--	--	
	09/21/95	9,800	58	600	95	14,000	300	--	--	--	--	--	
	12/12/95	330	2.1	47	5.3	700	<50	--	--	--	--	--	
	03/12/96	350	4.6	23	8.7	600	<50	--	--	--	--	--	
	06/21/96	940	76	98	57	1,900	<50	--	--	--	--	--	
	08/29/96	420	29	44	28	900	<150	--	--	--	--	--	
	01/16/97	1,600	270	120	194	3,600	700	<0.5	9.2	<0.5	<0.5	--	
	04/15/97	1,300	300	180	160	4,300	800	<0.5	16	<0.5	1.1	6.9	
	07/07/97	100	84	100	67	1,900	350	--	--	--	--	3.8	
	10/27/97	1,030	60	54	40	2,200	--	<0.5	2.4	<0.5	<0.5	3.1	
	01/27/98	1,070	98	73	69	3,200	--	--	--	--	--	3.9	
	04/22/98	610	56	49	54	1,800	--	<0.5	3.0	<0.5	<0.5	1.1	
	07/22/98	1,800	230	160	180	3,600	370	--	--	--	--	5.0	
	10/21/98	78	1.0	3.8	0.6	110	<250	<0.5	0.6	<0.5	<0.5	<0.5	
	07/23/99	1,500	140	76.0	260	4,000	790	<0.5	1.0	<0.5	<0.5	5.60	
	10/28/99	1,100	43	58	102	3,000	600	<0.5	0.9	--	<0.5	--	
	02/10/00	690	22	36	49	1,400	520	<0.5	<0.5	<0.5	<0.5	2.20	
	04/27/00	1,100	140	73	163	2,400	250	<0.5	0.6	<0.5	<0.5	<0.5	
	08/03/00	520	7.7	21	27	1,100	750	<0.5	0.6	<0.5	<0.5	<0.5	
	10/23/00	2,000	16	22	46	3,800	760	<0.5	0.7	<0.5	<0.5	<0.5	
	01/31/01	360	8.6	14	28	860	300	<0.5	0.6	<0.5	<0.5	<0.5	
	04/26/01	808	60.6	46.8	115	1,530	280	<0.5	0.8	<0.5	<0.5	<0.5	
	07/30/01	788	23.3	44.6	80.7	1,400	350	<0.5	0.6	<0.5	<0.5	<0.5	
	10/29/01	852	14.3	24.5	38.6	1,730	500	<0.5	0.5	<0.5	<0.5	<0.5	
	01/29/02	1,250	85.3	64.7	95.7	4,240	490	<0.5	1.4	<0.5	<0.5	<0.5	
	04/29/02	1,120	51.5	84.4	117	5,710	700	<0.5	1.1	<0.5	<0.5	<0.5	
MW-5	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	<150	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-6	03/23/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	07/27/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	11/05/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	02/25/94	<1	<1	<1	3.5	<100	<1,000	--	--	--	--	--	
	06/03/94	2.7	<0.5	<0.5	<0.5	69	<20,000	--	--	--	--	--	
	08/31/94	<0.3	8.7	1.6	3.5	<500	<500	--	--	--	--	--	
	12/22/94	<0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	Non-diesel peak reported.
	03/13/95	1.2	<0.5	<0.5	<0.5	<50	<400	--	--	--	--	--	
	06/09/95	0.6	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	
	09/21/95	<0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	
	12/12/95	<0.5	<0.5	<0.5	<1.0	<100	<50	--	--	--	--	--	
	03/12/96	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	
	06/21/96	--	--	--	--	--	--	--	--	--	--	--	
	08/29/96	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	--	
	01/16/97	5.5	16	2.9	16	140	220	<0.5	6.3	<0.5	<0.5	--	
	07/07/97	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	<0.5	
	07/22/98	<0.5	<0.5	<0.5	<0.5	<50	<250	--	--	--	--	<0.5	
	10/24/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	7.7	<0.5	<0.5	<0.5	
	01/31/01	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	6.9	<0.5	<0.5	<0.5	

Table 4: Historical Groundwater Sample Results (1993 - 2008)

Well Number	Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-Benzene µg/L	Xylenes µg/L	TPH-G µg/L	TPH-D µg/L	1,1-DCA µg/L	1,2-DCA µg/L	1,1,1-TCA µg/L	TCE µg/L	MTBE µg/L	Notes
MW-6	04/27/01	<0.5	<0.5	<0.5	<0.5	<200	<250	<0.5	6.6	<0.5	<0.5	<0.5	
(cont.)	07/30/01	<0.5	<0.5	<0.5	<0.5	<200	<250	<0.5	9.2	<0.5	<0.5	<0.5	
	10/30/01	<0.5	<0.5	<0.5	<1.0	<200	<500	<0.5	10	<0.5	<0.5	<0.5	
	01/29/02	0.54	<0.5	<0.5	<1.0	<200	<250	<0.5	10	<0.5	<0.5	<0.5	
	04/30/02	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	14	<0.5	<0.5	<0.5	
MW-11	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	<0.5	
MW-12	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	<0.5	
MW-13	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	<0.5	
MW-15	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	430	<0.5	<0.5	<0.5	<0.5	<0.5	
	07/22/99	<0.5	<0.5	<0.5	<0.5	<50	<200	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-25	03/23/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	07/27/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	11/05/93	4.2	4.4	2.5	20	170	ND	--	--	--	--	--	
	02/25/94	2.1	<1	<1	<1	<100	<1,000	--	--	--	--	--	
	06/03/94	2.4	14	<0.5	3.4	97	<20,000	--	--	--	--	--	
	08/31/94	0.5	<0.3	<0.3	<0.6	<500	<500	--	--	--	--	--	
	12/22/94	0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	Non-diesel peak reported.
	03/13/95	0.58	<0.5	<0.5	<0.5	150	950	--	--	--	--	--	
	06/09/95	0.8	<0.5	<0.5	<0.5	<100	60	--	--	--	--	--	
	09/21/95	<0.5	<0.5	<0.5	<0.5	50	<50	--	--	--	--	--	
	12/12/95	<0.5	<0.5	<0.5	<1.0	<100	<50	--	--	--	--	--	
	03/12/96	<0.5	<0.5	<0.5	<0.5	120	<50	--	--	--	--	--	
	06/21/96	--	--	--	--	--	--	--	--	--	--	--	
	08/29/96	<0.5	<0.5	<0.5	<0.5	90	<150	--	--	--	--	--	
	01/16/97	0.6	<0.5	<0.5	<0.5	80	<150	25	41	<0.5	<0.5	--	
	07/07/97	<0.5	<0.5	<0.5	<0.5	140	<150	--	--	--	--	11	
	01/27/98	<0.5	<0.5	<0.5	<0.5	<100	--	--	--	--	--	10	
	07/22/98	<0.5	<0.5	<0.5	<0.5	<50	<250	--	--	--	--	24	
	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	340	28	59	<0.5	<0.5	28	1,1-DCE detected, 0.9 µg/L.
	04/07/99	<0.5	<0.5	<0.5	<0.5	<50	<250	27	72	<0.5	<0.5	27	1,1-DCE detected, 1.6 µg/L.
	07/23/99	1.80	<0.5	<0.5	<0.5	<50	<200	30	58	<0.5	<0.5	23.0	
	10/27/99	<0.5	1.4	<0.5	1.0	<100	<200	35	47	--	<0.5	--	
	02/08/00	<0.5	<0.5	<0.5	<0.5	100	<250	39	41	<0.5	<0.5	29.0	1,1-Dichloroethene detected at 3.1 µg/L.
	04/26/00	<0.5	<0.5	<0.5	<0.5	<100	<250	51	38	<0.5	<0.5	18	1,1-Dichloroethene detected at 4.2 µg/L.
	08/03/00	<0.5	<0.5	<0.5	<0.5	<50	<250	40	57	<0.5	<0.5	27	1,1-Dichloroethene detected at 2.6 µg/L.
	10/23/00	<0.5	<0.5	<0.5	<0.5	<50	<250	54	68	<0.5	<0.5	38	1,1-Dichloroethene detected at 3.5 µg/L.
	01/31/01	<0.5	<0.5	<0.5	<0.5	90	<250	52	46	<0.5	<0.5	22	1,1-Dichloroethene detected at 6.5 µg/L.
	04/26/01	<0.5	0.62	<0.5	<0.5	<200	<250	49	37	<0.5	<0.5	15.8	1,1-Dichloroethene detected at 6.0 µg/L.
	07/30/01	<0.5	<0.5	<0.5	<0.5	<200	<250	33	36	<0.5	<0.5	10.9	Chloromethane detected at 0.8 µg/L; 1,1-Dichloroethene detected at 4.6 µg/L.
	10/29/01	<0.5	<0.5	<0.5	<1.0	<200	<500	22	38	<0.5	<0.5	10.5	Chloromethane detected at 0.5 µg/L; 1,1-Dichloroethene detected at 1.8 µg/L.
	01/28/02	<0.5	<0.5	<0.5	<1.0	<200	<250	25	56	<0.5	<0.5	8.90	1,1-Dichloroethene detected at 2.8 µg/L.
	04/29/02	<0.5	<0.5	<0.5	<1.0	<200	<250	14	44	<0.5	<0.5	6.92	1,1-Dichloroethene detected at 1.7 µg/L; 1,1,2,2-Tetrachloroethane detected at 0.5 µg/L.
	10/22/02	7.64	248	133	843	4,790	1,240	9.6	34	<0.5	<0.5	1,410	1,1-Dichloroethene detected at 0.9 µg/L.
	11/15/02	<0.5	<0.5	<0.5	<1.0	<200	<250	11	35	<0.5	<0.5	7.3	Chloroethane detected at 22 µg/L.
	05/06/03	<0.5	<0.5	<0.5	<1.0	<200	<250	8.5	34	<0.5	<0.5	5.7	1,1-Dichloroethene detected at 0.8 µg/L.
	10/14/03	<0.5	<0.5	<0.5	<1.0	<200	<250	7.6	27	<0.5	<0.5	6.3	
	04/27/04	<0.5	<0.5	<0.5	<1.0	<200	<250	5.1	18	<0.5	<0.5	5.2	
	11/17/04	<0.50	<0.50	<0.50	<0.50	<50	190	6.7	25	<0.50	<0.50	6.1	1,1-Dichloroethene detected at 0.51 µg/L.
MW-26	03/23/93	180	190	55	330	7,000	1,300	ND	ND	ND	ND	--	
	07/27/93	470	96	30	80	1,800	ND	ND	140	ND	ND	--	
	11/05/93	4,700	1,300	9	1,400	19,000	ND	ND	120	ND	ND	--	
	02/25/94	4,800	570	200	860	14,000	<1,000	<1	28	<1	<1	--	
	06/03/94	4,100	300	120	230	12,000	<20,000	1.7	140	<0.5	<0.5	--	Bromodichloromethane detected, 0.84 µg/L.
	08/31/94	4,100	360	170	450	93,000	1,400	<4.0	<4.0	<4.0	<4.0	--	
	12/22/94	1,030	170	85	290	5,000	560	<2.0	<2.0	<2.0	<2.0	--	8 other volatiles detected by 8260.
	03/13/95	320	19	23	66	3,000	810	53	5.8	<0.5	<0.5	--	
	06/09/95	14,000	64	31	230	10,800	310	240	3.1	1	<0.5	--	
	09/21/95	1,900	160	160	330	8,000	200	1.3	120	<0.5	<0.5	--	
	12/12/95	13,000	38	36	120	25,000	0.6	1.4	180	<0.5	<0.5	--	No diesel pattern detected; result due to high gasoline concentration.
	03/12/96	9,000	33	30	65	4,400	<50	<0.5	180	<0.5	<0.5	--	
	06/21/96	14,000	27	16	66	5,400	<50	3.2	170	<0.5	<0.5	--	
	08/29/96	8,500	26	28	74	19,000	<150	<0.5	160	<0.5	<0.5	--	
	01/16/97	6,500	21	31	47	4,600	--	4.3	>50	<0.5	<0.5	26	
	04/15/97	16,000	33	40	160	26,000	2,200	3.5	97	<0.5	2.4	40	cis-1,2-DCE detected, 0.7 µg/L.
	07/07/97	22,000	44	170	200	28,000	1,100	<5.0	<5.0	<5.0	<5.0	95	
	10/27/97	16,000	26	100	37	30,000	--	3.6	92	<0.5	<0.5	38	
	01/27/98	23,600	<5.0	<5.0	<5.0	26,000	420	8.3	100	<0.5	<0.5	100	
	04/22/98	5,000	4.3	9.2	16	14,000	--	13	130	<0.5	<0.5	27	

Table 4: Historical Groundwater Sample Results (1993 - 2008)

Well Number	Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-Benzene µg/L	Xylenes µg/L	TPH-G µg/L	TPH-D µg/L	1,1-DCA µg/L	1,2-DCA µg/L	1,1,1-TCA µg/L	TCE µg/L	MTBE µg/L	Notes
MW-26	07/22/98	3,800	5.7	6.9	11	5,200	750	10	110	--	<1.0	33	
(cont.)	10/21/98	420	<0.5	2.1	2.7	820	<250	24	82	<0.5	<0.5	31	
	02/05/99	20	<0.5	0.60	0.80	230	230	10	51	<0.5	<0.5	29	
	04/07/99	<0.5	<0.5	<0.5	<0.5	80	<250	15	54	<0.5	<0.5	25	
	07/23/99	7.10	<0.5	<0.5	0.80	180	<200	12	32	<0.5	<0.5	12.0	
	10/27/99	14	1.4	2.9	7.8	400	<200	13	30	--	<0.5	--	
	02/08/00	<0.5	<0.5	<0.5	<0.5	80	<250	13	32	<0.5	<0.5	28.0	
	04/26/00	0.7	<0.5	0.6	<0.5	200	340	7.5	39	<0.5	<0.5	22	
	08/03/00	6.8	<0.5	0.6	1.4	<50	<250	7.4	19	<0.5	<0.5	19	
	10/23/00	10	0.8	1.7	1.7	80	<250	5.1	37	<0.5	<0.5	26	
	01/31/01	26	0.70	2.4	2.2	390	320	5.7	51	<0.5	<0.5	33	
	04/26/01	10.6	<0.5	0.70	1.04	400	350	16	39	<0.5	<0.5	28.5	
	07/30/01	107	<0.5	1.42	1.06	1,920	380	22	44	<0.5	<0.5	31.4	
	10/29/01	31.6	<0.5	<0.5	<1.0	2,020	500	26	25	<0.5	<0.5	27	
	01/28/02	30.0	<0.5	0.70	<1.0	450	380	43	<0.5	<0.5	<0.5	14.5	1,1-Dichloroethene detected at 1.8 µg/L.
	04/29/02	394	<0.5	<0.5	<1.0	1,870	550	50	23	<0.5	<0.5	8.62	1,1-Dichloroethene detected at 2.5 µg/L.
	10/22/02	1,440	25.7	6.60	20.4	4,440	890	53	26	<0.5	<0.5	168	1,1-Dichloroethene detected at 3.7 µg/L.
	11/15/02	1,630	0.56	3.22	3.86	5,590	780	18	33	<0.5	<0.5	49.2	1,1-dichloroethene detected at 1.0 µg/L.
	05/06/03	1,250	<0.5	2.42	<1.0	3,730	380	46	24	<0.5	<0.5	13.1	1,1-Dichloroethene detected at 3.1 µg/L.
	10/14/03	51	<0.5	1.38	<1.0	3,100	<250	83	28	<0.5	<0.5	23.8	1,1-Dichloroethene detected at 3.3 µg/L.
	04/27/04	467	<0.5	1.24	<1.0	1,380	<250	82	33	<0.5	<0.5	<0.5	1,1-Dichloroethene detected at 5.2 µg/L.
	11/17/04	120	<1.0	2.50	1.3	740	820	31	44	<0.50	<0.50	120	1,1-Dichloroethene detected at 1.1 µg/L.
MW-27	06/21/96	<0.5	<0.5	<0.5	<0.5	<50	<50	<0.5	6.8	<0.5	<0.5	--	
	08/29/96	--	--	--	--	--	--	--	--	--	--	--	
	01/16/97	12	5.0	<0.5	2.6	70	<150	<0.5	5.7	<0.5	<0.5	--	
	07/22/98	<0.5	<0.5	<0.5	<0.5	<50	<250	<1.0	1.4	--	<1.0	<0.5	
	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	<150	<0.5	0.7	<0.5	<0.5	<0.5	
	07/23/99	<0.5	<0.5	<0.5	<0.5	<50	<200	<0.5	0.7	<0.5	<0.5	<0.5	
	10/27/99	<0.5	<0.5	<0.5	<0.5	<100	<200	<0.5	<0.5	--	<0.5	--	
	02/08/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/27/00	<0.5	<0.5	<0.5	<0.5	<100	250	<0.5	<0.5	<0.5	<0.5	<0.5	
	08/16/00	<0.5	<0.5	<0.5	<0.5	<50	--	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/23/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	01/31/01	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/26/01	<0.5	<0.5	<0.5	<0.5	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	07/30/01	<0.5	<0.5	<0.5	<0.5	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/29/01	<0.5	<0.5	<0.5	<1.0	<200	<500	<0.5	<0.5	<0.5	<0.5	<0.5	
	01/28/02	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	0.5	<0.5	<0.5	<0.5	
	04/29/02	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/22/02	8.56	56.2	9.37	59.3	650	600	<0.5	<0.5	<0.5	<0.5	331	
	11/15/02	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	05/06/03	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/14/03	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/27/04	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	11/17/04	<0.50	<0.50	<0.50	<0.50	<50	64	<0.50	<0.50	<0.50	<0.50	<5.0	
MW-28	03/23/93	ND	ND	ND	ND	110	ND	--	--	--	--	--	
	07/27/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	11/05/93	ND	ND	ND	2.1	ND	ND	--	--	--	--	--	
	02/25/94	<1	<1	<1	<1	<100	<1	--	--	--	--	--	
	06/03/94	3.1	<0.5	<0.5	<0.5	<50	<20,000	--	--	--	--	--	
	08/31/94	1.4	<0.3	<0.3	<0.6	<500	<500	--	--	--	--	--	
	12/22/94	<0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	Non-diesel peak reported.
	03/13/95	0.91	<0.5	<0.5	<0.5	<50	<400	--	--	--	--	--	
	06/09/95	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	
	09/21/95	<0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	
	12/12/95	<0.5	<0.5	<0.5	<1.0	<100	<50	--	--	--	--	--	
	03/12/96	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	
	06/21/96	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	
	08/29/96	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	--	
	01/16/97	18	20	2.2	13	220	<150	5.1	85	<0.5	<0.5	8.2	
	04/15/97	<0.5	<0.5	<0.5	<0.5	120	<150	1.1	150	<0.5	<0.5	7.1	
	07/07/97	<0.5	<0.5	<0.5	<0.5	110	<150	<5.0	170	<5.0	<5.0	7.2	
	10/27/97	3.6	<0.5	<0.5	<0.5	300	--	6.2	120	<0.5	<0.5	36	
	01/27/98	7.6	<0.5	<0.5	<0.5	500	<150	--	--	--	--	56	
	04/22/98	<0.5	<0.5	<0.5	<0.5	<50	--	1.0	89	<0.5	<0.5	8.6	
	07/22/98	<0.5	<0.5	<0.5	<0.5	<50	--	<1.0	85	--	<1.0	18	
	10/21/98	<0.5	<0.5	<0.5	<0.5	<50	<250	0.5	80	<0.5	<0.5	12	
	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	<150	32	29	<0.5	<0.5	5.0	1,1-DCE detected, 0.9 µg/L.
	04/07/99	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	62	<0.5	<0.5	4.5	
	07/23/99	<0.5	<0.5	<0.5	<0.5	<50	<200	<0.5	50	<0.5	<0.5	1.80	
	10/27/99	--	--	--	--	--	<200	--	--	--	--	--	
	11/02/99	0.7	<0.5	<0.5	<0.5	<100	--	<0.5	32	--	<0.5	--	
	02/08/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	39	<0.5	<0.5	4.30	
	04/26/00	<0.5	<0.5	<0.5	<0.5	<100	<250	<0.5	50	<0.5	<0.5	1.5	

Table 4: Historical Groundwater Sample Results (1993 - 2008)

Well Number	Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-Benzene µg/L	Xylenes µg/L	TPH-G µg/L	TPH-D µg/L	1,1-DCA µg/L	1,2-DCA µg/L	1,1,1-TCA µg/L	TCE µg/L	MTBE µg/L	Notes
	08/03/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	47	<0.5	<0.5	3.7	
MW-28	10/23/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	57	<0.5	<0.5	4.7	
(cont.)	01/31/01	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	46	<0.5	<0.5	4.4	
	04/26/01	<0.5	<0.5	<0.5	<0.5	<200	<250	<0.5	26	<0.5	<0.5	1.98	
	07/30/01	0.5	<0.5	0.64	2.58	<200	<250	<0.5	38	<0.5	<0.5	3.0	Chloromethane detected at 3.3 µg/L.
	10/29/01	<0.5	<0.5	<0.5	<1.0	<200	<500	<0.5	29	<0.5	<0.5	3.74	
	01/28/02	6.20	<0.5	<0.5	<1.0	<200	<250	2.8	50	<0.5	<0.5	6.00	
	04/29/02	1.64	<0.5	<0.5	<1.0	<200	<250	3.7	44	<0.5	<0.5	4.81	
	10/22/02	25.0	<0.5	<0.5	<1.0	750	<250	2.0	59	<0.5	<0.5	<0.5	
	11/15/02	13.4	<0.5	1.29	<1.0	610	<250	1.3	54	<0.5	<0.5	<0.5	Chloromethane detected at 1.0 µg/L.
	05/06/03	3.1	<0.5	<0.5	<1.0	390	<250	0.8	70	<0.5	<0.5	9.29	Chloroethane detected at 0.8 µg/L.
	10/14/03	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	38	<0.5	<0.5	6.44	
	04/27/04	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	9.29	
	11/17/04	<0.50	<0.50	<0.50	<0.50	<50	<50	<0.50	4.7	<0.50	<0.50	<5.0	
MW-29	03/23/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	07/27/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	11/05/93	ND	ND	2.1	11	ND	ND	--	--	--	--	--	
	02/25/94	<1	<1	<1	<1	<100	<1,000	--	--	--	--	--	
	06/03/94	<0.5	<0.5	<0.5	<0.5	<50	<20,000	--	--	--	--	--	
	08/31/94	<0.3	<0.3	<0.3	<0.6	<500	<500	--	--	--	--	--	
	12/22/94	<0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	Non-diesel peak reported.
	03/13/95	0.59	<0.5	<0.5	<0.5	<50	<400	--	--	--	--	--	
	06/09/95	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	
	09/21/95	<0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	
	12/12/95	<0.5	<0.5	<0.5	<1.0	<100	<50	--	--	--	--	--	
	03/12/96	<0.5	<0.5	<0.5	<1.0	<100	<50	--	--	--	--	--	
	06/21/96	--	--	--	--	--	--	--	--	--	--	--	
	08/29/96	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	--	
	01/16/97	6.6	8.9	0.6	9.3	120	<150	47	24	<0.5	<0.5	1.8	
	07/07/97	<0.5	<0.5	<0.5	<0.5	<50	<150	52	21	<5.0	<5.0	1.2	
	01/27/98	<0.5	<0.5	<0.5	<0.5	100	<150	--	--	--	--	8.0	
	07/22/98	<0.5	<0.5	<0.5	<0.5	<50	<250	12	29	--	<1.0	7.8	
	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	<150	<0.5	68	<0.5	<0.5	8.5	
	04/07/99	<0.5	<0.5	<0.5	<0.5	<50	<250	30	38	<0.5	<0.5	4.9	1,1-DCE detected, 1.4 µg/L.
	07/23/99	<0.5	<0.5	<0.5	<0.5	<50	<200	44	33	<0.5	1.9	4.70	1,1-Dichloroethene detected at 2.3 µg/L; cis-1,2-Dichloroethene detected at 2.3 µg/L.
	10/27/99	<0.5	<0.5	<0.5	<0.5	<100	<200	36	23	--	<0.5	--	
	02/08/00	<0.5	<0.5	<0.5	<0.5	<50	<250	87	25	<0.5	<0.5	18.0	1,1-Dichloroethene detected at 9.6 µg/L.
	04/26/00	<0.5	<0.5	<0.5	<0.5	<100	<250	61	38	<0.5	<0.5	12	1,1-Dichloroethene detected at 5.2 µg/L.
	08/16/00	<0.5	<0.5	<0.5	<0.5	<50	--	49	21	<0.5	<0.5	17	1,1-Dichloroethene detected at 6.0 µg/L.
	10/23/00	<0.5	<0.5	<0.5	<0.5	<50	<250	94	40	<0.5	<0.5	34	1,1-Dichloroethene detected at 14 µg/L.
	01/31/01	<0.5	<0.5	<0.5	<0.5	60	<250	100	35	<0.5	<0.5	26	1,1-Dichloroethene detected at 13 µg/L.
	04/26/01	<0.5	<0.5	<0.5	<0.5	<200	270	87	38	<0.5	<0.5	39.1	1,1-Dichloroethene detected at 12 µg/L.
	07/30/01	1.25	1.28	1.1	5.99	220	<250	120	42	<0.5	<0.5	42.3	1,1-Dichloroethene detected at 13 µg/L.
	10/29/01	<0.5	<0.5	<0.5	<1.0	<200	<500	120	34	<0.5	<0.5	28.0	1,1-Dichloroethene detected at 14 µg/L.
	01/28/02	<0.5	<0.5	<0.5	<1.0	<200	<250	120	44	<0.5	<0.5	28.9	1,1-Dichloroethene detected at 26 µg/L.
	04/29/02	4.95	<0.5	<0.5	<1.0	<200	<250	130	29	<0.5	<0.5	20.9	1,1-Dichloroethene detected at 23 µg/L.
	10/22/02	<0.5	<0.5	<0.5	<1.0	<200	<250	140	26	<0.5	<0.5	18.1	1,1-Dichloroethene detected at 19 µg/L.
	11/15/02	<0.5	<0.5	<0.5	<1.0	<200	<250	120	26	<0.5	<0.5	13.9	1,1-dichloroethene detected at 15 µg/L.
	05/06/03	<0.5	<0.5	<0.5	<1.0	<200	<250	140	31	<0.5	<0.5	13.1	1,1-Dichloroethene detected at 24 µg/L.
	10/14/03	<0.5	<0.5	<0.5	<1.0	<200	<250	110	22	<0.5	<0.5	11.9	Chloromethane detected at 0.9 µg/L.
	04/27/04	<0.5	<0.5	<0.5	<1.0	<200	<250	160	28	<0.5	<0.5	15.3	1,1-Dichloroethene detected at 31 µg/L.
	11/17/04	<1.0	<1.0	<1.0	<1.0	120	<50	33	6.5	<0.50	<0.50	120	1,1-Dichloroethene detected at 5.5 µg/L.
MW-30	03/23/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	07/27/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	11/05/93	ND	ND	ND	2.8	ND	ND	--	--	--	--	--	
	02/25/94	1.3	<1	<1	<1	<100	<1,000	--	--	--	--	--	
	06/03/94	1.1	<0.5	<0.5	<0.5	<50	<20,000	--	--	--	--	--	
	08/31/94	0.8	<0.3	<0.3	<0.6	<500	<500	--	--	--	--	--	
	12/22/94	0.6	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	Non-diesel peak reported.
	03/13/95	0.98	<0.5	<0.5	<0.5	<50	<400	--	--	--	--	--	
	06/09/95	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	
	09/21/95	<0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	
	12/12/95	<0.5	<0.5	<0.5	<1.0	<100	<50	--	--	--	--	--	
	03/12/96	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	
	06/21/96	--	--	--	--	--	--	--	--	--	--	--	
	08/29/96	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	--	
	01/16/97	<0.5	<0.5	<0.5	0.6	80	<150	<0.5	<0.5	<0.5	0.9	--	
	07/07/97	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	<0.5	
	01/27/98	5.4	<0.5	<0.5	<0.5	100	--	--	--	--	--	<0.5	
	07/22/98	<0.5	<0.5	<0.5	<0.5	<50	--	--	--	--	--	<0.5	
	04/07/99	<0.5	<0.5	<0.5	<0.5	<50	<250	--	--	--	--	<0.5	
	07/22/99	<0.5	<0.5	<0.5	<0.5	<50	--	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/28/99	<0.5	<0.5	<0.5	<0.5	<100	<200	<0.5	<0.5	--	<0.5	--	

Table 4: Historical Groundwater Sample Results (1993 - 2008)

Well Number	Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-Benzene µg/L	Xylenes µg/L	TPH-G µg/L	TPH-D µg/L	1,1-DCA µg/L	1,2-DCA µg/L	1,1,1-TCA µg/L	TCE µg/L	MTBE µg/L	Notes
	02/08/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/27/00	<0.5	<0.5	<0.5	<0.5	<100	250	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-30	08/04/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
(cont.)	10/24/00	5.4	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	01/31/01	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/27/01	<0.5	<0.5	<0.5	<0.5	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	07/30/01	<0.5	<0.5	<0.5	<0.5	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/29/01	<0.5	<0.5	<0.5	<1.0	<200	<500	<0.5	<0.5	<0.5	<0.5	<0.5	Chloroethane detected at 1.3 µg/L.
	01/29/02	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/30/02	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/22/02	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	05/06/03	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/14/03	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/27/04	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	11/17/04	<0.50	<0.50	<0.50	<0.50	<50	140	<0.50	<0.50	<0.50	<0.50	<5.0	
MW-32	03/23/93	391	6.2	3.1	9	440	ND	ND	60	ND	ND	--	
	07/27/93	ND	ND	ND	ND	ND	ND	ND	14	ND	ND	--	
	11/05/93	20	ND	1.8	2.1	170	ND	ND	7.9	ND	ND	--	
	02/25/94	5.6	<1	<1	<1	<100	<1,000	<1	<1	<1	<1	--	
	06/03/94	120	1.3	<0.5	1.4	350	<20,000	<0.5	11	<0.5	<0.5	--	
	08/31/94	39	0.5	2.2	1.2	<500	<500	<4.0	10	<4.0	<4.0	--	
	12/22/94	4.8	<0.5	<0.5	<0.5	<50	<50	<2.0	4.6	<2.0	<2.0	--	Non-diesel peak reported.
	03/13/95	220	3.6	6.5	5.8	1,100	<400	<0.5	16	<0.5	<0.5	--	
	06/09/95	1,500	7.9	43	14	2,200	180	0.7	<0.5	0.5	<0.5	--	
	09/21/95	1,200	2.4	72	4.5	2,300	60	<0.5	6.7	<0.5	1.4	--	
	12/12/95	230	<0.5	8.9	<1.0	500	<50	<0.5	28	<0.5	<0.5	--	
	03/12/96	40	<0.5	1.7	<0.5	110	<50	<0.5	6.8	<0.5	<0.5	--	
	06/21/96	--	--	--	--	--	--	--	--	--	--	--	
	08/29/96	150	<0.5	49	<0.5	700	<150	<0.5	27	<0.5	<0.5	--	
	01/16/97	14	<0.5	1.9	<0.5	150	<150	<0.5	10	<0.5	0.7	--	cis-1,2-DCE detected, 0.8 µg/L.
	07/07/97	370	11	110	21	1,600	190	--	--	--	--	11	
	01/27/98	13	<0.5	1.0	<0.5	300	--	<0.5	7.5	<0.5	<0.5	2.5	
	07/22/98	700	55	88	66	2,300	--	--	--	--	--	14	
	07/22/99	59.0	0.80	1.80	<0.5	900	220	<0.5	5.9	<0.5	<0.5	8.70	
	10/28/99	95	2.5	2.1	1.6	500	<200	<0.5	12	--	<0.5	--	
	02/10/00	7.0	<0.5	<0.5	<0.5	120	<250	<0.5	4.3	<0.5	<0.5	1.10	
	04/27/00	240	7.0	12	18.8	800	250	<0.5	9.8	<0.5	<0.5	<0.5	
	08/03/00	620	3.0	14	4.1	1,300	<250	<0.5	3.0	<0.5	<0.5	<0.5	
	10/23/00	430	4.30	5.50	8.80	1,200	260	<0.5	7.8	<0.5	<0.5	<0.5	
	01/31/01	42	1.5	0.90	2.8	280	<250	<0.5	5.7	<0.5	<0.5	3.6	
	04/26/01	268	13.0	22.1	22.0	780	<250	<0.5	6.3	<0.5	<0.5	<0.5	
	07/30/01	29.4	<0.5	0.52	0.51	320	<250	<0.5	6.6	<0.5	<0.5	<0.5	
	10/29/01	16.1	2.01	1.14	3.96	<200	<500	<0.5	5.4	<0.5	<0.5	<0.5	
	01/29/02	12.0	<0.5	0.70	<1.0	<200	<250	<0.5	4.9	<0.5	2.0	<0.5	cis 1,2-Dichloroethene detected at 1.3 µg/L.
	04/29/02	188	5.52	9.70	13.0	680	<250	<0.5	6.0	<0.5	<0.5	<0.5	
	10/22/02	4.84	<0.5	<0.5	<1.0	<200	<250	<0.5	4.8	<0.5	<0.5	<0.5	
	05/06/03	20.72	0.76	0.86	2.08	<200	<250	<0.5	5.8	<0.5	<0.5	<0.5	
	10/14/03	6.02	<0.5	<0.5	<1.0	<200	<250	<0.5	3.2	<0.5	<0.5	<0.5	
	04/27/04	23.60	1.68	0.67	3.91	<200	<250	<0.5	3.0	<0.5	<0.5	<0.5	
	11/17/04	2.0	<0.50	<0.50	<0.50	<50	<50	<0.50	2.1	<0.50	<0.50	<5.0	
MW-33	04/07/99	0.60	<0.5	0.90	<0.5	<50	<250	--	--	--	--	<0.5	
	07/22/99	8.90	<0.5	1.00	<0.5	<50	<200	0.6	0.7	<0.5	<0.5	<0.5	
	10/28/99	40	0.9	21	3.8	200	<200	0.8	1.3	--	<0.5	--	
	02/10/00	20	0.7	12	10.0	380	<250	0.9	0.6	<0.5	<0.5	1.30	
	04/27/00	6.9	<0.5	6.4	<0.5	<100	250	4.3	0.9	<0.5	<0.5	<0.5	
	08/03/00	31	0.5	20	1.0	150	550	<0.5	0.6	<0.5	<0.5	<0.5	
	10/23/00	89	1.5	36	3.9	350	<250	<0.5	2.1	<0.5	<0.5	<0.5	
	01/31/01	6.8	<0.5	2.0	<0.5	<50	<250	1.9	0.6	<0.5	<0.5	0.7	
	04/26/01	6.61	0.56	1.63	0.61	<200	<250	2.6	<0.5	<0.5	<0.5	<0.5	
	07/30/01	4.43	2.61	1.34	6.6	<200	<250	2.2	0.5	<0.5	<0.5	<0.5	Dichlorodifluoromethane detected at 0.6 µg/L.
	10/29/01	14.2	<0.5	0.63	<1.0	<200	<500	1.3	0.7	<0.5	<0.5	<0.5	
	01/28/02	<0.5	<0.5	<0.5	<1.0	<200	<250	1.1	0.5	<0.5	3.8	<0.5	Dichlorodiflouromethane detected at 1.9 µg/L.; cis 1,2-Dichloroethene detected at 8.9 µg/L.
	04/29/02	14.6	<0.5	1.41	<1.0	<200	<250	0.8	0.9	<0.5	<0.5	<0.5	Dichlorodiflouromethane detected at 1.9 µg/L.
MW-100	07/06/01	<0.5	<0.5	<0.5	<0.5	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	07/30/01	<0.5	<0.5	<0.5	<0.5	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	Chloromethane detected at 1.8 µg/L.
	10/30/01	<0.5	<0.5	<0.5	<1.0	<200	<500	<0.5	<0.5	<0.5	<0.5	<0.5	
	01/28/02	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/29/02	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/22/02	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	05/06/03	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/14/03	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/27/04	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	11/17/04	<0.50	<0.50	<0.50	<0.50	<50	<50	<0.50	<0.50	<0.50	<0.50	<5.0	

Table 4: Historical Groundwater Sample Results (1993 - 2008)

Well Number	Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-Benzene µg/L	Xylenes µg/L	TPH-G µg/L	TPH-D µg/L	1,1-DCA µg/L	1,2-DCA µg/L	1,1,1-TCA µg/L	TCE µg/L	MTBE µg/L	Notes
MW-?	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	430	--	--	--	--	<0.5	
PR-26	07/26/99	20,000	15,000	1,100	7,250	82,500	11,000	--	--	--	--	33.0	
	10/26/99	28,000	25,000	2,300	8,400	110,000	60,000	<0.5	24	--	<0.5	--	
PR-45	07/26/99	13,200	8,200	2,600	15,600	82,500	39,000	--	--	--	--	35.0	
	10/28/99	12,000	8,200	1,700	8,500	45,000	25,000	<0.5	<0.5	--	<0.5	--	
	02/09/00	24,000	25,000	10,000	53,000	360,000	82,000	<0.5	4.0	<0.5	<0.5	1,000	
	04/27/00	17,000	9,500	16,000	92,000	1,300,000	20,300	<5.0	<5.0	<5.0	<5.0	<5.0	
	08/04/00	20,000	8,800	2,600	16,000	73,000	54,500	<0.5	1.0	<0.5	<0.5	<0.5	
	10/23/00	26,000	12,000	4,000	20,000	96,000	36,000	<0.5	1.2	<0.5	<0.5	<5.0	Chloroethane detected at 6.0 µg/L.
	04/27/01	16,200	8,600	3,220	19,000	178,000	22,700	<0.5	14	<0.5	<0.5	<25	Chloroethane detected at 4.6 µg/L.
	07/30/01	14,500	8,900	4,400	24,700	132,000	29,700	<0.5	11	<0.5	<0.5	<50	Chloromethane detected at 0.6 µg/L; Chloroethane detected at 11 µg/L; Methylene chloride detected at 0.5 µg/L.
	10/29/01	12,600	6,650	2,260	12,400	86,100	50,000	<0.5	7.8	<0.5	<0.5	<25	Chloroethane detected at 6.0 µg/L.
	01/29/02	8,930	4,860	2,640	12,700	114,000	19,400	<0.5	30	<0.5	<0.5	<0.5	Chloroethane detected at 7.5 µg/L.
	05/16/02	14,300	2,630	1,580	7,780	125,000	15,600	<0.5	1.0	<0.5	<0.5	<0.5	Chloroethane detected at 7.3 µg/L.
PR-52	07/26/99	12,000	1,720	750	12,400	172,000	40,000	<0.5	1.8	<0.5	<0.5	217	Methylene chloride detected at 7.9 µg/L.
	10/28/99	19,000	530	1,800	5,800	40,000	450,000	<0.5	<0.5	--	<0.5	--	
	02/09/00	22,000	1,600	4,100	15,800	200,000	140,000	<0.5	1.3	<0.5	<0.5	430	
	04/28/00	20,000	2,200	4,700	18,600	270,000	88,000	<1.0	<1.0	<1.0	<1.0	<5.0	
	08/04/00	26,000	1,600	2,900	15,000	150,000	110,000	<0.5	2.3	<0.5	<0.5	<0.5	
	10/24/00	52,000	13,000	41,000	180,000	650,000	280,000	<5.0	<5.0	<5.0	<5.0	<5.0	
	01/31/01	81,000	840	57,000	210,000	5,300,000	276,000	<0.5	1.0	<0.5	<0.5	500	Chloroethane detected at 2.4 µg/L; Methylene chloride detected at 0.6 µg/L.
	04/27/01	25,000	16,300	14,700	55,000	886,000	134,000	<0.5	<0.5	<0.5	<0.5	1,040	Chloroethane detected at 1.5 µg/L.
	07/30/01	31,100	2,480	13,500	51,700	340,000	185,000	<0.5	1.3	<0.5	<0.5	2,510	Chloromethane detected at 13 µg/L; Chloroethane detected at 46 µg/L; Methylene chloride detected at 0.6 µg/L.
	10/29/01	22,700	1,630	3,070	11,500	126,000	140,000	<0.5	0.9	<0.5	<0.5	<50	Chloromethane detected at 0.6 µg/L; Chloroethane detected at 4.0 µg/L; Methylene chloride detected at 0.7 µg/L.
	01/29/02	21,500	1,840	4,540	16,800	517,000	272,000	<0.5	<0.5	<0.5	<0.5	44.1	Chloroethane detected at 1.5 µg/L.
	05/16/02	31,600	53,600	43,800	216,000	2,020,000	75,000	<5.0	<5.0	<5.0	<5.0	63.5	Chloroethane detected at 8.3 µg/L.
PR-53	07/26/99	31,000	12,000	1,900	8,800	110,000	98,000	<0.5	43	<0.5	<0.5	43.0	Methylene chloride detected at 6.2 µg/L.
	10/27/99	17,000	3,900	890	3,320	54,000	16,000	<0.5	18	--	<0.5	--	
	02/09/00	21,000	5,000	1,200	5,300	65,000	9,400	0.6	20	<0.5	<0.5	67.0	Methylene chloride detected at 0.8 µg/L.
	04/28/00	34,000	30,000	9,300	51,000	730,000	104,000	<1.0	<1.0	<1.0	<1.0	340	
	08/04/00	35,000	17,000	3,800	24,000	180,000	69,500	<0.5	1.7	<0.5	<0.5	110	
	10/24/00	99,000	110,000	80,000	640,000	580,000	380,000	<5.0	5.0	<5.0	<5.0	380	
	01/31/01	66,000	15,000	28,000	140,000	2,400,000	960,000	<0.5	1.5	<0.5	<0.5	660	Chloroethane detected at 1.7 µg/L; Methylene chloride detected at 0.9 µg/L.
	04/27/01	55,500	10,000	23,700	137,000	4,240,000	806,000	<0.5	<0.5	<0.5	<0.5	<5,000	Chloroethane detected at 1.7 µg/L; Methylene chloride detected at 1.1 µg/L.
	10/29/01	46,500	9,520	12,900	74,000	1,630,000	130,000	<0.5	0.8	<0.5	<0.5	<500	Chloroethane detected at 3.0 µg/L; Methylene chloride detected at 0.9 µg/L.
	01/29/02	33,000	7,340	10,300	41,800	495,000	462,000	<0.5	1.8	<0.5	<0.5	122	Chloroethane detected at 3.2 µg/L.
	05/16/02	35,800	10,500	18,700	130,000	3,280,000	113,000	<5.0	<5.0	<5.0	<5.0	242	
PR-54	07/26/99	32,000	22,000	1,500	21,800	170,000	28,000	<0.5	3.0	<0.5	<0.5	56.0	Methylene chloride detected at 2.5 µg/L.
	10/26/99	27,000	10,000	3,700	19,500	190,000	350,000	<0.5	<0.5	--	<0.5	--	
	02/09/00	27,000	23,000	9,900	50,000	960,000	110,000	<0.5	3.9	<0.5	<0.5	1,000	
	04/28/00	24,000	14,000	1,200	9,000	76,000	80,000	<1.0	1.6	<1.0	<1.0	300	
	08/04/00	27,000	7,600	1,400	11,000	120,000	54,500	<0.5	2.0	<0.5	<0.5	200	
	10/24/00	23,000	4,400	2,000	13,000	140,000	96,000	<0.5	2.3	<0.5	<0.5	<100	Chloroethane detected at 5.3 µg/L; Methylene chloride detected at 2.3 µg/L.
	01/31/01	30,000	8,300	3,300	21,000	220,000	236,000	<0.5	2.6	<0.5	<0.5	480	Chloroethane detected at 2.8 µg/L; Methylene chloride detected at 1.7 µg/L.
	04/27/01	26,100	8,650	2,120	15,900	51,300	108,000	<0.5	<0.5	<0.5	<0.5	<500	Chloroethane detected at 3.0 µg/L.
	07/30/01	31,700	18,000	9,880	58,400	320,000	71,200	<0.5	3.9	<0.5	<0.5	2,750	Chloromethane detected at 2.2 µg/L; Chloroethane detected at 22 µg/L; Methylene chloride detected at 2.6 µg/L.
	10/30/01	25,400	11,300	3,500	18,800	222,000	530,000	<0.5	1.2	<0.5	<0.5	276	Chloroethane detected at 7.4 µg/L; Methylene chloride detected at 2.0 µg/L.
	01/29/02	13,300	9,850	4,240	33,100	108,000	48,000	<0.5	7.5	<0.5	<0.5	51.3	Chloroethane detected at 6.2 µg/L.
	05/16/02	27,900	34,500	5,630	36,400	324,000	172,000	<5.0	43	<5.0	<5.0	251	Chloroethane detected at 9.8 µg/L.
PR-64	07/26/99	22,000	18,000	1,700	10,300	110,000	--	<0.5	130	<0.5	<0.5	35.0	Methylene chloride detected at 1.4 µg/L.
	10/27/99	11,000	7,400	1,200	3,900	66,000	50,000	<0.5	110	--	<0.5	--	
	02/09/00	22,000	20,000	6,000	17,000	120,000	40,000	<0.5	>50	<0.5	<0.5	110	
	04/28/00	19,000	16,000	1,800	13,900	130,000	78,000	<1.0	67	<1.0	<1.0	300	
	05/16/02	18,300	40,100	10,400	104,000	30,600,000	419,000	<5.0	<5.0	<5.0	<5.0	<500	
PR-65	07/26/99	12,000	1,400	1,300	13,000	68,000	16,500	<0.5	2.6	<0.5	<0.5	20.0	
	10/26/99	14,000	2,300	1,800	11,000	65,000	50,000	<0.5	<0.5	--	<0.5	--	
PR-68	07/26/99	1,900	24.0	27.0	62.0	4,900	11,000	<0.5	1.2	<0.5	<0.5	4.40	

Table 4: Historical Groundwater Sample Results (1993 - 2008)

Well Number	Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-Benzene µg/L	Xylenes µg/L	TPH-G µg/L	TPH-D µg/L	1,1-DCA µg/L	1,2-DCA µg/L	1,1,1-TCA µg/L	TCE µg/L	MTBE µg/L	Notes
	10/26/99	2,800	36	86	62	8,000	2,800	<0.5	<0.5	--	<0.5	--	
PR-76	04/07/99	<0.5	<0.5	<0.5	<0.5	<50	<250	--	--	--	--	<0.5	
	10/22/02	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	05/06/03	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/14/03	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/27/04	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	11/17/04	<0.50	<0.50	<0.50	<0.50	<50	85	<0.50	<0.50	<0.50	<0.50	<5.0	
V-24	04/07/99	<0.5	<0.5	<0.5	<0.5	120	<250	--	--	--	--	0.5	
V-31	07/26/99	7,000	600	550	1,370	17,500	5,350	--	--	--	--	19.0	
	10/26/99	7,000	120	850	950	18,000	3,000	<0.5	<0.5	--	<0.5	--	
V-46	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	270	<0.5	<0.5	<0.5	<0.5	<0.5	
V-55	07/22/99	8,000	480	740	2,880	30,000	2,100	<0.5	<0.5	<0.5	<0.5	13.0	
	10/28/99	11,000	59	1,200	317	28,000	38,000	<0.5	<0.5	--	<0.5	--	
	02/09/00	2,200	59	760	350	7,900	10,000	<0.5	<0.5	<0.5	<0.5	9.70	
	04/28/00	2,900	510	440	2,340	14,000	26,500	<5.0	<5.0	<5.0	<5.0	<5.0	
	08/03/00	9,400	380	720	2,200	28,000	70,000	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/23/00	11,000	140	900	1,300	30,000	51,000	<0.5	<0.5	<0.5	<0.5	<12	
	01/31/01	4,600	57	550	1,200	34,000	88,500	<0.5	<0.5	<0.5	<0.5	44	
	04/26/01	6,400	61.5	250	336	34,200	227,000	<0.5	<0.5	<0.5	<0.5	<25	
	10/30/01	5,360	70.0	1,090	1,450	32,700	78,000	<0.5	<0.5	<0.5	<0.5	<25	
	01/29/02	1,660	140	492	818	12,000	4,100	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/29/02	5,170	95.1	572	523	30,600	35,100	<0.5	<0.5	<0.5	<0.5	1.06	
V-72	07/26/99	13,500	6.80	1.10	3.90	3,900	12,900	<0.5	11	<0.5	<0.5	<0.5	
	10/28/99	2,900	58	21	47.7	6,000	48,000	<0.5	3.4	--	<0.5	--	
	02/09/00	670	8.2	<0.5	17.8	890	6,100	<0.5	3.0	<0.5	<0.5	<0.5	
	04/28/00	130	<0.5	<0.5	<0.5	200	5,950	<0.5	0.7	<0.5	<0.5	<0.5	
	08/04/00	460	0.8	<0.5	0.6	440	4,120	<0.5	2.8	<0.5	<0.5	<0.5	
	10/24/00	2,700	3.2	0.5	2.3	3,500	17,000	<0.5	4.0	<0.5	<0.5	<0.5	
	04/27/01	1,240	2.05	<0.5	2.78	1,310	6,290	<0.5	5.1	<0.5	<0.5	<0.5	Dichlorodifluoromethane detected at 0.8 µg/L.
	07/30/01	1,790	69.8	1.22	2.50	1,490	4,290	<0.5	6.2	<0.5	<0.5	<0.5	Chloromethane detected at 1.5 µg/L.
	10/29/01	1,330	4.38	0.55	3.32	1,960	--	<0.5	5.6	<0.5	<0.5	<0.5	Chloromethane detected at 1.1 µg/L.
	01/29/02	655	6.40	<0.5	8.00	1,840	2,250	<0.5	3.9	<0.5	<0.5	<0.5	Chloromethane detected at 1.8 µg/L.
	05/16/02	43.8	1.09	<0.5	4.36	230	5,120	<0.5	<0.5	<0.5	<0.5	<0.5	Chloromethane detected at 1.8 µg/L.
V-84	07/26/99	2,400	440	80.0	340	8,700	2,350	<0.5	2.4	<0.5	<0.5	6.40	
	10/26/99	1,100	130	46	108	4,000	700	<0.5	<0.5	--	<0.5	--	
	02/09/00	300	30	8.9	53	2,300	1,100	<0.5	1.2	<0.5	<0.5	<0.5	
	04/28/00	30	1.9	<0.5	<0.5	100	550	<5.0	<5.0	<5.0	<5.0	<0.5	
	08/04/00	900	110	34	120	2,700	1,380	<0.5	1.0	<0.5	<0.5	<0.5	
	10/24/00	2,000	480	24	110	48,000	1,900	<0.5	1.0	<0.5	<0.5	<0.5	
	01/31/01	68	1.3	5.3	8.2	970	1,820	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/26/01	925	97.0	45.4	59.7	2,360	1,180	<0.5	0.8	<0.5	<0.5	<0.5	
	07/30/01	1,720	282	50	359	8,100	7,040	<0.5	1.5	<0.5	<0.5	<0.5	
	10/30/01	870	250	27.6	167	8,960	--	<0.5	1.0	<0.5	<0.5	<0.5	
	01/29/02	197	4.90	1.70	3.60	640	500	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/29/02	318	34.4	15.4	18.4	1,070	400	<0.5	<0.5	<0.5	<0.5	<0.5	
29 (CC-1)	07/23/99	<0.5	<0.5	<0.5	<0.5	<50	<200	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/28/99	<0.5	<0.5	<0.5	<0.5	<100	<200	<0.5	<0.5	--	<0.5	--	
	02/08/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/26/00	<0.5	<0.5	<0.5	<0.5	<100	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	08/03/00	1.4	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/23/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	01/31/01	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/26/01	<0.5	<0.5	<0.5	<0.5	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	07/30/01	<0.5	<0.5	<0.5	<0.5	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/30/01	1.12	0.56	<0.5	<0.5	<200	<500	<0.5	<0.5	<0.5	<0.5	<0.5	
	01/28/02	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/29/02	<0.5	<0.5	<0.5	<0.5	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/22/02	1.38	14.6	2.44	16.4	220	<250	<0.5	<0.5	<0.5	<0.5	92.0	Chloromethane detected at 1.3 µg/L, Chloroform detected at 4.7 µg/L.
	11/15/02	<0.50	<0.50	<0.50	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	Chloroform detected at 2.6 µg/L.
	05/06/03	<0.50	<0.50	<0.50	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/14/03	<0.50	<0.50	<0.50	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	Chloroform detected at 0.7 µg/L.
	04/27/04	<0.50	<0.50	<0.50	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	11/17/04	<0.50	<0.50	<0.50	<0.50	<50	<50	<0.50	<0.50	<0.50	<0.50	<5.0	
30 (CC-2)	07/22/99	0.90	<0.5	<0.5	<0.5	<50	<200	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/28/99	<0.5	<0.5	<0.5	<0.5	<100	<200	<0.5	<0.5	--	<0.5	--	
	02/08/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/26/00	<0.5	<0.5	<0.5	<0.5	<100	<250	<0.5	0.7	<0.5	<0.5	<0.5	
	08/03/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/23/00	<0.5	<0.5	<0.5	<0.5	<50	340	<0.5	0.9	<0.5	<0.5	<2.5	
	01/31/01	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/26/01	<0.5	<0.5	<0.5	<0.5	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	

Table 4: Historical Groundwater Sample Results (1993 - 2008)

Well Number	Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-Benzene µg/L	Xylenes µg/L	TPH-G µg/L	TPH-D µg/L	1,1-DCA µg/L	1,2-DCA µg/L	1,1,1-TCA µg/L	TCE µg/L	MTBE µg/L	Notes
	07/30/01	<0.5	1.43	<0.5	1.63	<200	<250	<0.5	1.6	<0.5	<0.5	<0.5	Dichlorodifluoromethane detected at 2.8 µg/L.
30 (CC-2)	10/29/01	<0.5	<0.5	<1.0	<0.5	<200	<500	<0.5	<0.5	<0.5	<0.5	<0.5	
(cont.)	01/28/02	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	1.9	<0.5	<0.5	<0.5	Dichlorodifluoromethane detected at 3.8 µg/L.
	04/29/02	<0.5	<0.5	<0.5	<0.5	<200	<250	<0.5	2.5	<0.5	<0.5	0.86	Dichlorodifluoromethane detected at 3.6 µg/L.
	10/10/02	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	Chloroform detected at 0.6 µg/L.
	11/15/02	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	Chloroform detected at 0.5 µg/L.
	05/06/03	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
81	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	<150	<0.5	<0.5	<0.5	<0.5	<0.5	
	07/22/99	0.70	<0.5	<0.5	<0.5	<50	<200	<0.5	<0.5	<0.5	<0.5	<0.5	
94	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	170	--	--	--	--	<0.5	
	07/22/99	<0.5	<0.5	<0.5	<0.5	<50	<200	<0.5	<0.5	<0.5	<0.5	<0.5	
210	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	960	--	--	--	--	<0.5	
223	10/26/99	<0.5	<0.5	<0.5	<0.5	<100	<200	<0.5	<0.5	--	<0.5	--	
	02/10/00	<0.5	<0.5	<0.5	<0.5	<50	640	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/27/00	<0.5	<0.5	<0.5	<0.5	<100	250	<0.5	<0.5	<0.5	<0.5	<0.5	
	08/03/00	<0.5	<0.5	<0.5	<0.5	<50	680	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/23/00	1.30	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	Chlorobenzene detected at 0.9 µg/L.
	01/31/01	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/26/01	<0.5	<0.5	<0.5	<0.5	<200	390	<0.5	<0.5	<0.5	<0.5	<0.5	1,2-Dichlorobenzene detected at 0.5 µg/L.
	07/30/01	<0.5	<0.5	<0.5	<0.5	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	Dichlorodifluoromethane detected at 0.5 µg/L.
	10/30/01	<0.5	<0.5	<0.5	<1.0	<200	<500	<0.5	<0.5	<0.5	<0.5	<0.5	Chloromethane detected at 0.8 µg/L.
	01/29/02	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/29/02	<0.5	<0.5	<0.5	<1.0	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
224	07/26/99	<0.5	<0.5	<0.5	<0.5	<50	640	<0.5	<0.5	<0.5	<0.5	<0.5	
239	07/26/99	55,000	85.0	1,500	190	30,000	--	<0.5	<0.5	<0.5	<0.5	5.30	
	10/26/99	23,000	53	1,500	103.2	28,000	10,000	<0.5	<0.5	--	<0.5	--	
	02/10/00	40,000	48	1,900	52	44,000	21,000	<0.5	1.0	<0.5	<0.5	14.0	
	04/28/00	25,000	540	2,000	710	36,000	12,500	<5.0	<5.0	<5.0	<5.0	<5.0	
	08/04/00	25,000	220	1,900	920	45,000	32,500	<0.5	0.6	<0.5	<0.5	<0.5	
	10/24/00	24,000	100	1,500	390	50,000	50,000	<0.5	<0.5	<0.5	<0.5	<5.0	
	01/31/01	23,000	84	1,900	200	52,000	112,000	<0.5	0.9	<0.5	<0.5	<0.5	
	04/26/01	23,900	113	1,990	590	298,000	143,000	<0.5	<0.5	<0.5	<0.5	<25	
	07/30/01	30,200	384	2,000	966	66,500	19,100	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/30/01	41,200	273	1,470	215	54,300	120,000	<0.5	<0.5	<0.5	<0.5	<50	
	01/28/02	24,500	228	1,670	352	112,000	6,900	<0.5	<0.5	<0.5	<0.5	<0.5	Chloroethane detected at 0.6 µg/L.
	04/29/02	25,900	280	1,380	491	71,600	9,400	<0.5	<0.5	<0.5	<0.5	<0.5	
241	04/07/99	<0.5	<0.5	<0.5	<0.5	<50	<250	--	--	--	--	<0.5	
249	07/22/99	<0.5	<0.5	<0.5	<0.5	<50	<200	<0.5	<0.5	<0.5	<0.5	<0.5	
SB-16	05/20/08	<0.50	<0.50	<0.50	530	<50	530	NA	<0.50	NA	NA	NA	
SB-17	05/22/08	12,000	3,200	17,000	560,000	120,000	560,000	NA	<0.50	NA	NA	NA	
SB-18	05/22/08	50,000	2,300	46,000	23,000	190,000	23,000	NA	2,200	NA	NA	NA	
SB-19	05/22/08	<12	220	<12	1,600	8,200	1,600	NA	<12	NA	NA	NA	
SB-20/ PCB-7	05/22/08	41,000	3,000	30,000	47,000	170,000	47,000	NA	930	NA	NA	NA	
SB-21/ PCB-8	05/23/08	12,000	2,600	20,000	3,500	110,000	3,500	NA	<250	NA	NA	NA	
SB-22	05/22/08	27,000	13,000	39,000	73,000	870,000	73,000	NA	<2,500	NA	NA	NA	
SB-24/ PCB-1	05/21/08	1.1	<0.50	<0.50	360	<50	360	NA	<0.50	NA	NA	NA	
SB-25/ PCB-2	05/21/08	<0.50	<0.50	<0.50	140	<50	140	NA	<0.50	NA	NA	NA	
SB-26	05/22/08	<0.50	<0.50	<0.50	270	<50	270	NA	<0.50	NA	NA	NA	
SB-27/ PCB-3	05/20/08	<0.50	<0.50	<0.50	NA	NA	NA	NA	<0.50	NA	NA	NA	

Notes:

ND	Not detected.
NA	Not analyzed or not sampled.
µg/L	Micrograms per liter.
TPH-G	Total Petroleum Hydrocarbons as gasoline.
TPH-D	Total Petroleum Hydrocarbons as diesel.
1,1-DCA	1,1-Dichloroethane.
1,1-DCA	1,2-Dichloroethane.
cis-1,1-DCE	1,1-Dichloroethene.
1,1,1-TCA	1,1,1-Trichloroethane.
1,2-DCE	cis 1,2-Dichloroethylene.
TCE	Trichloroethene.
MTBE	Methyl tertiary butyl ether.

10/22/02 Data was confirmed anomalous by resampling on 11/15/02

Revised Site Conceptual Model
Former Nestlé USA, Inc. Facility, Oakland, CA
1310 14th Street, Oakland, CA

Table 5: Groundwater Sample Results
PCB's in Groundwater

Boring Location	Sample Depth (feet bgs)	Date of Sample Collection	Analytical results (µg/l)						
			PCB- 1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260
PCB-5	15	21-May-08	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53
PCB-6	15	21-May-08	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77
SB-20/ PCB-7	15	22-May-08	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60
SB-21/ PCB-8	15	23-May-08	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56
SB-24/ PCB-1	15	21-May-08	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
SB-25/ PCB-2	15	21-May-08	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79
SB-27/ PCB-3	15	21-May-08	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56
EQ Blank	NA	21-May-08	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72

Notes:

NA = Not Analyzed
EPA method 8082 for PCB analyses of groundwater

TABLE 6 LPH MONITORING, PRODUCT THICKNESS (ft), FORMER CARNATION DAIRY FACILITY, OAKLAND, CALIFORNIA

Well	11/4/1993	2/24/1993	3/18/1994	6/2/1994	8/31/1994	12/22/1994	3/13/1995	6/9/1995	7/27/1995	9/22/1995	12/6-28/95	2/27/1996	2/29/1996	6/20/1996	8/30/1996	9/18/1996	10/4/1996	10/11/1996	10/18/1996	10/22/1996	11/22/1996	12/6/1996	12/17/1996	12/21/1996	1/3/1997	1/14/1997	2/10/1997	2/17/1997	2/28/1997	3/7/1997	3/14/1997	3/28/1997	4/11/1997	4/17/1997	4/25/1997	5/2/1997	5/9/1997	5/16/1997	6/6/1997
MW-7	0.79	1.14	2.82	0.26	0.01	0.04	<0.01	<0.01	--	0.21	--	<0.01	--	0.02	0.20	0.04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	0.47	0.44	0.30	0.31	0.31	0.26	0.08	0.09	0.23	0.24	0.24	<0.01	--	0.03	0.04	0.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-22	1.83	1.54	>3.0	1.14	0.19	0.03	<0.01	<0.01	<0.01	0.32	0.30	<0.01	--	0.01	0.04	0.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-23	1.21	0.07	1.40	1.79	0.68	0.41	<0.01	0.31	0.44	0.71	0.30	0.19	0.15	1.00	0.24	0.63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-24	1.77	12.10	>3.0	0.97	0.39	<0.01	<0.01	<0.01	--	1.41	<0.01	<0.01	--	2.46	1.45	1.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
E-0	--	--	--	--	--	--	--	--	2.72	--	<0.01	3.92	0.07	0.18	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.38	1.55	1.45	0.3	0.39	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
E-5	--	--	--	--	--	--	--	--	--	--	1.50	0.27	0.03	0.10	0.01	0.04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
E-6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
E-8	--	--	--	--	--	--	--	--	0.10	--	0.42	0.19	0.02	<0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-20	0.91	1.15	3.41	1.45	0.88	1.04	0.14	0.16	2.54	1.12	<0.01	3.5	2.65	3.50	0.69	0.47	0.36	0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-21	0.63	--	2.76	1.39	0.42	2.01	4.11	2.42	1.93	0.70	0.60	2.99	0.77	1.50	0.86	0.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-22	0.98	1.43	>3.0	0.90	0.47	0.04	0.60	0.71	0.68	0.71	0.23	1.57	0.94	1.20	0.47	0.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-23	0.67	0.36	1.06	0.38	0.17	0.06	0.34	0.06	0.08	0.12	0.11	<0.01	--	<0.01	0.09	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-24	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-26	0.6	0.54	2.05	0.39	0.17	<0.01	<0.01	<0.01	--	0.13	0.12	0.27	<0.01	0.01	0.07	0.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-27	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-30	--	--	--	2.81	1.21	1.97	<0.01	<0.01	--	Dry	Dry	Dry	--	Dry	Dry	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-34	0.66	1.17	2.81	1.07	0.37	2.45	4.06	3.54	2.30	1.03	0.58	5.10	1.22	1.95	1.14	0.48	0.33	0.23	0.01	<0.01	<0.01	0.26	0.59	0.25	<0.01	<0.01	0.75	0.67	0.98	1.15	1.23	0.65	1.31	0.8	1.06	0.7	0.66	0.64	0.75
PR-35	0.62	1.26	>3.0	1.7	0.12	0.13	0.85	0.91	0.84	0.73	0.4	0.20	0.11	0.22	0.33	0.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-36	-	1.13	1.43	1.13	0.37	0.19	0.15	0.23	0.22	Dry	Dry	0.20	0.05	0.01	Dry	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-37	0.41	1.29	2.35	0.96	0.14	0.22	0.83	0.82	0.58	0.58	0.18	1.14	0.32	0.20	0.19	0.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-41	0.59	0.53	0.42	0.13	0.43	0.03	<0.01	<0.01	--	Dry	Dry	Dry	--	Dry	Dry	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-44	0.24	0.22	0.19	<0.01	<0.01	<0.01	<0.01	<0.01	--	Dry	-	<0.01	--	Dry	Dry	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-45	0.17	5.27	0.10	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-47	0.75	0.41	sheen	<0.01	<0.01	0.01	<0.01	<0.01	--	0.08	0.08	<0.01	--	<0.01	0.08	0.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-48	1.12	0.20	>3.0	0.83	0.07	1.43	0.64	0.65	0.94	0.50	0.54	0.11	0.06	2.06	1.36	0.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-49	--	3.24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01	--	Dry	Dry	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-50	1.08	1.58	0.89	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-51	--	6.57	>3.0	<0.01	0.72	2.02	<0.01	<0.01	<0.01	<0.01	<0.01	Dry	--	Dry	Dry	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-52	1.01	5.09	1.16	0.45	0.05	0.03	<0.01	<0.01	<0.01	<0.01	-	<0.01	--	<0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-53	1.15	3.01	>3.0	0.61	0.49	1.52	<0.01	1.55	1.47	1.08	0.17	0.90	0.27	1.01	0.81	0.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-54	0.97	0.99	1.20	<0.01	0.08	0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-55	1.48	0.07	1.31	0.87	<0.01	0.01	<0.01	Dry	Dry	Dry	-	Dry	--	Dry	Dry	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-56	0.90	1.30	--	0.89	0.15	1.48	<0.01	<0.01	0.01	<0.01	-	<0.01	--	<0.01	<0.01	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-57	--	6.40	--	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	-	<0.01	--	<0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-58	0.96	0.85	--	1.48	0.89	2.15	1.41	1.34	2.40	1.18	0.57	2.67	1.25	2.79	1.47	1.01	--	0.52	0.23	0.11	<0.01	<0.01	<0.01	<0.01	0.2	1.04	2.3	2.4	2.21	2.45	--	2.45	2.14	1.8	2.06	1.79	1.64	1.49	1.44
PR-60	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-61	0.25	0.39	0.35	1.03	<0.01	0.01	<0.01	<0.01	1.30	<0.01	<0.01	1.48	0.45	1.96	0.93	0.38	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.45	0.34	0.6	0.55	0.77	0.02	0.17	0.33	0.42	0.27	0.4	0.34	0.32
PR-62	0.04	--	0.07	0.09	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-64	1.49	0.11	>3.0	--	1.06	2.15	1.03	1.17	2.12	1.15	0.58	3.08	0.4	3.15	1.01	--	0.82	0.69	0.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-65	0.04	0.02	0.09	0.08	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-67	1.05	0.65	0.81	--	--	--	--	--	0.05	--	<0.01	<0.01	--	0.03	0.10	0.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-70	--	--	1.59	--	--	--	--	--	--	--	--	--	--	*	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-8	--	--	--	--	--	--	--	--	0.01	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-55	--	--	--	--	--	--	--	--	--	--	0.04	--	--	<0.01	<0.01	*	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-77	--	--	--	--	--	--	--	--	0.78	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-78A	--	--	--	--	--	--	--	--	0.01	--	<0.01	<0.01	--	<0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-78B	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-90	--	1.41	--	0.94	0.16	1.68	0.02	0.02	Dry	Dry	<0.01	Dry	--	Dry	Dry	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-94	--	--	--	--	--	--	--	--	0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
243	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
244	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
247	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
253	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Note: See additional pages of table for additional wells.

TABLE 6 (extended) LPH MONITORING< PRODUCT THICKNESS, FORMER CARNATION DAIRY FACILITY, OAKLAND, CALIFORNIA

Well	7&8/97	2/10/1998	3/4/1998	3/18/1998	4/6/1998	4/17/1998	5/18/1998	8/31/1998	11/2/1998	1/7/1999	2/25/1999	3/29/1999	5/7/1999	6/1/1999	6/11/1999	6/25/1999	7/9/1999	7/23/1999	8/6/1999	8/23/1999	9/7/1999	9/20/1999	10/4/1999
MW-3	--	--	--	--	--	<0.01	--	<0.01	--	--	<0.01a	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	0.03	<0.01	<0.01	--	<0.01	--	<0.01	0.01	--	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MW-8	<0.01	<0.01	<0.01	--	<0.01	--	<0.01	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MW-22	<0.01	<0.01	<0.01	--	<0.01	--	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MW-23	1.60	0.51	0.55	--	0.37	--	0.38	1.0	<0.01	0.22	0.01	0.09	0.63	<0.01	0.19	0.32	0.36	0.28	0.26	0.28	0.14	0.13	0.05
MW-24	1.56	0.25	0.16	--	1.23	--	2.28	--	0.25	0.26	0.35	0.17	1.26	0.61	0.62	0.83	0.74	0.67	0.71	0.34	0.32	0.18	0.14
E-0	<0.01	0.02	0.03	--	0.03	--	0.03	--	<0.01	<0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
E-3	--	--	--	--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
E-5	0.24	<0.01	<0.01	--	<0.01	--	<0.01	0.12	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01
E-6	--	--	--	--	--	0.01	--	--	0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01
E-8	0.25	--	0.22	--	0.19	0.19	0.18	0.16	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-12	0.10	--	--	--	<0.01	--	<0.01	--	<0.01	--	<0.01	--	<0.01	--	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	Sheen
PR-20	1.19	3.40	4.77	--	4.36	--	3.66	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-21	1.21	4.28	0.03	<0.01	0.03	--	0.1	<0.01	Dry	Dry	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Dry	<0.01	Dry	Dry	Dry	<0.01
PR-22	0.01	4.54	0.01	--	<0.01	--	<0.01	0.20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-23	0.06	<0.01	0.01	<0.01	0.01	--	<0.01	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-24	<0.01	--	--	<0.01	--	<0.01	--	<0.01	--	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-25	--	--	--	--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-26	0.11	3.39	0.09	<0.01	<0.01		<0.01	0.04	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-27	<0.01	--	--	<0.01	--	<0.01	--	<0.01	--	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-28	--	--	--	--	--	<0.01	--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-29	<0.01	--	--	<0.01	--	<0.01	--	<0.01	<0.01	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-30	Dry	--	<0.01	<0.01	<0.01	--	<0.01	Dry	--	--	Dry	--	Dry	Dry	--	Dry	Dry	--	--	Dry	--	--	--
PR-32	<0.01	<0.01	0.02	--	<0.01	--	<0.01	--	--	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-33	--	--	--	--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-34	0.93	3.18	0.05	--	<0.01	--	0.04	0.17	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-35	0.90	0.71	<0.01	--	<0.01	--	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-36	Dry	0.54	0.10	--	0.10	--	0.03	0.09	Dry	Dry	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Dry	Dry	Dry	<0.01
PR-37	0.31	<0.01	0.06	--	<0.01	--	0.13	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-38	--	--	--	--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-41	Dry	--	<0.01	--	<0.01	<0.01	<0.01	Dry	--	--	<0.01	--	Dry	--	--	Dry	Dry	--	--	--	--	Dry	--
PR-42	--	--	--	--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-43	--	--	--	--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-44	Dry	--	--	--	--	<0.01	--	--	--	--	<0.01	--	--	Dry	--	--	--	--	--	--	--	Dry	--
PR-45	<0.01	--	--	--	--	<0.01	--	--	--	--	<0.01	--	--	--	--	<0.01	--	--	--	--	--	<0.01	--
PR-46	--	--	--	--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-47	0.02	<0.01	<0.01	--	<0.01	--	<0.01	0.06	<0.01	<0.01	<0.01	0.02	sheen d	<0.01	0.02	0.05	0.01	0.02	0.04	0.02	0.01	0.01	<0.01
PR-48	--	1.30	0.01	<0.01	0.01	--	0.03	0.71	0.04	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.02	0.01	0.01	0.01	0.01	0.02	0.03	<0.01
PR-49	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	--	<0.01	--	<0.01	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	--
PR-50	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01
PR-51	Dry	--	0.17	<0.01	<0.01	Dry	<0.01	Dry	--	--	<0.01	Dry	Dry	Dry	Dry	Dry	Dry	--	--	Dry	--	--	--
PR-52	<0.01	--	<0.01	--	<0.01	<0.01	<0.01	0.01	<0.01	--	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01
PR-53	0.02	<0.01	<0.01	--	0.02	--	0.30	1.31	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.06	<0.01	0.12	0.03	<0.01	0.01
PR-54	<0.01	--	<0.01	--	<0.01	--	<0.01	--	<0.01	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	--	<0.01	--
PR-55	Dry	--	0.02	--	<0.01	--	<0.01	--	Dry	--	<0.01	Dry	Dry	Dry	Dry	Dry	Dry	Dry	0.20	0.05	0.02	0.02	0.03
PR-56	Dry	--	<0.01	--	<0.01	--	<0.01	--	Dry	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01
PR-57	<0.01	--	<0.01	--	<0.01	<0.01	<0.01	--	--	--	<0.01	--	<0.01	<0.01	--	<0.01	<0.01	--	--	--	--	<0.01	--
PR-58	0.85	4.25	5.22	--	4.25	--	3.63	--	0.03	0.14	0.02	0.56	0.15	0.11	<0.01	0.05	<0.01	0.02	0.07	0.06	0.04	0.13	0.07
PR-60	Dry	--	--	--	--	--	--	--	<0.01	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	--
PR-61	0.49	0.55	1.14	--	1.74	--	2.46	--	0.80	0.06	0.05	0.09	0.21	0.30	0.12	0.17	0.15	0.15	0.04	0.12	0.07	0.04	0.01
PR-62	<0.01	--	--	--	--	--	--	--	--	--	<0.01	--	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	--	--	<0.01	--
PR-64	1.42	2.93	4.61	--	4.52	--	3.75	--	<0.01	0.16	0.28	0.47	0.06	0.51	0.13	0.17	0.24	0.18	0.29	0.21	0.10	0.08	0.04
PR-65	Dry	--	<0.01	--	<0.01	--	<0.01	--	--	--	<0.01	--	<0.01	<0.01	--	<0.01	<0.01	<0.01	--	--	--	<0.01	--
PR-67	<0.01	--	<0.01	--	<0.01	--	<0.01	--	--	--	<0.01	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01
PR-68	<0.01	--	<0.01	--	<0.01	--	<0.01	--	--	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01
PR-70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-2	--	--	--	--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-3	--	--	--	--	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-4	--	--	--	--	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-5	--	--	--	--	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-7	--	--	--	--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-8	Dry	--	<0.01	--	--	<0.01	--	--	--	--	<0.01	--	--	--	Dry	--	--	--	--	--	--	<0.01	--
V-11	--	--	--	--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-12	--	--	--	--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-21	Dry	--	<0.01	--	<0.01	<0.01	<0.01	--	--	--	Dry	--	<0.01	--	--	--	--	--	--	<0.01	--	--	--
V-54	--	--	--	--	--	--	--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-55	<0.01	--	0.05	--	0.01	--	0.14	--	0.09	--	<0.01	<0.01	0.41d	0.14	<0.01	<0.01	<0.01	<0.01	<0.01	sheen	0.01	Sheen	Sheen
V-56	0.66	--	--	--	0.03	--	0.06	--	Dry[c]	--	<0.01	<0.01	sheen d	<0.01	<0.01	<0.01	0.01	0.02	0.01	0.01	0.02	0.03	0.02
V-64	--	--	--	--	--	<0.01	--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-66	--	--	--	--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-70	Dry	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	--	<0.01	--	<0.01	--	--	<0.01	--	--	<0.01	<0.01	--	<0.01	--
V-71	Dry	--	--	<0.01	--	<0.01	--	<0.01	--	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	--	<0.01	Dry
V-72	--	--	--	--	--	<0.01	--	--	--	--	--	--	--	--	<0.01	--	--	--	<0.01	--	--	<0.01	--
V-73	--	--	--	--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-74	--	--	--	--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-77	<0.01	--	--	0.19	--	--	--	0.49	Dry	--	0.06	0.02	0.11	<0.01	<0.01	--	0.01	0.03	0.04	0.04	0.05	<0.01	<0.01
V-78A	<0.01	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	--	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01	--	<0.01
V-78B	<0.01	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	--	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01
V-79	--	--	--	--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-80	--	--	--	<0.01	--	<0.01	--	<0.01	--	--	<0.01	--	<0.01	--	<0.01	--	--	--	--	<0.01	--	<0.01	--
V-84	--	--	--	--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-85	--	--	--	--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-89	--	--	--	--	--	--	--	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-90	Dry	--	-- b	--	<0.01		<0.01	--	Dry	--	<0.01	--	Dry	--	--	--	--	--	--	--	--	--	--
V-91	--	--	--	--	--	<0.01	--	--	--	--	--	--	<0.01	--	<0.01	--	--	--	--	--	--	<0.01	--
V-93	--	--	--	--	--	0.06	--	--	--	--	0.03	0.02	--	0.05	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
V-94	Dry	--	--	--	--	0.60	--	--	Dry	--	0.31	0.11	<0.01	0.18	0.04	0.01	<0.01	--	Dry	Dry	--	--	--
232	--	--	--	--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
235	--	--	--	--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
239	--	--	--	--	--	--	--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--
243	1.88	<0.01	0.01	--	0.04	--	0.01	--	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
244	0.15	<0.01	<0.01	--	<0.01	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
247	<0.01	<0.01	<0.01	--	<0.01	--	<0.01	--	<0.01	<0.01	<0.01	--	<0.01	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
252	--	--	--	--	--	--	--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--
253	1.13	0.66	1.04	--	1.38	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

TABLE 6 (extended) LPH MONITORING, PRODUCT THICKNESS, FORMER CARNATION DAIRY FACILITY, OAKLAND, CALIFORNIA

Well	10/25/1999	11/8/1999	12/1/1999	12/20/1999	1/17/2000	2/7/2000	2/28/2000	3/20/2000	4/10/2000	5/1/2000	5/22/2000	6/12/2000	10/25/2000	11/16/2000	12/11/2000	1/31/2001	2/28/2001	3/28/2001	4/30/2001	5/18/2001	6/29/2001	7/31/01 f	8/29/2001
MW-3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01
MW-8	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MW-22	0.01	<0.01	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MW-23	0.03	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.13	0.15	0.05	0.17	0.45	0.40	0.40	0.36	0.42	0.44	0.50	0.47	0.50	0.49	0.48
MW-24	0.13	0.13	0.13	<0.01	0.04	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.40	0.41	0.41	0.41	0.31	0.34	0.38	0.45	0.60	0.62	0.74
E-0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
E-3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
E-5	<0.01	0.11	<0.01	<0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.10	0.10	0.02	<0.01	<0.01	<0.01	<0.01	0.04	-- e	0.01	0.01
E-6	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
E-8	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-12	0.01	0.01	0.01	0.01	0.08	<0.01	0.08	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.09	0.08
PR-20	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-21	Dry	Dry	Dry	Dry	Dry	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Dry	Dry	Dry	Dry	<0.01	<0.01	<0.01	<0.01	Dry	Dry	Dry
PR-22	<0.01	Dry	<0.01	<0.01	Sheen	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-26	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-27	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-29	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-30	--	--	--	--	--	--	--	--	--	--	--	--	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
PR-32	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-34	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Dry	<0.01
PR-35	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-36	Dry	Dry	Dry	Dry	Dry	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Dry	Dry	Dry	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Dry	<0.01
PR-37	<0.01	Dry	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-42	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-44	--	--	--	--	--	--	--	--	--	--	--	--	Dry	Dry	Dry	Dry	<0.01	Dry	Dry	<0.01	<0.01	Dry	Dry
PR-45	--	--	--	--	--	--	--	--	--	--	--	--	<0.01	<0.01	<0.01	<0.01	Dry	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-47	0.04	Sheen	Sheen	<0.01	Sheen	<0.01	<0.01	<0.01	Sheen	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Dry	<0.01
PR-48	0.02	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.11	0.06	0.12	0.07	<0.01	<0.01	<0.01	0.03	<0.01	0.06	<0.01
PR-49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-50	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Dry	<0.01
PR-51	--	--	--	--	--	--	--	--	--	--	--	--	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	--
PR-52	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-53	0.03	0.04	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Sheen	<0.01	<0.01	<0.01	0.01	0.03	0.06	0.06	<0.01	0.02	<0.01	<0.01	0.04	0.06	0.04
PR-54	--	--	--	--	--	--	--	--	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-55	0.02	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	0.10	0.11	0.07	<0.01	<0.01	0.03	0.02	<0.01	0.06	0.06
PR-56	<0.01	<0.01	<0.01	<0.01	Sheen	Sheen	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-57	--	--	--	--	--	--	--	--	--	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-58	0.06	0.01	<0.01	<0.01	0.06	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.03	0.03	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.06
PR-60	--	--	--	--	--	--	--	--	--	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-61	0.02	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.15	<0.01	0.26	0.25	0.24	0.22	0.19	0.18	0.22	0.22	0.24	0.27	<0.01
PR-62	--	--	--	--	--	--	--	--	--	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-64	0.08	0.02	0.01	0.04	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	0.17	<0.01	0.51	0.52	0.49	0.48	0.50	0.64	0.30	0.45	0.63	0.64	0.60
PR-65	--	--	--	--	--	--	--	--	--	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-67	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-68	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-8	--	--	--	--	--	--	--	--	--	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
V-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-21	--	--	--	--	--	--	--	--	--	--	--	--	<0.01	<0.01	Dry	Dry	Dry	Dry	Dry	Dry	<0.01	<0.01	Dry
V-54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
V-55	Sheen	Sheen	<0.01	Sheen	Sheen	--	<0.01	Sheen	<0.01	<0.01	Sheen	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
V-56	0.02	0.03	Sheen	Sheen	Sheen	Sheen	Sheen	Sheen	<0.01	Sheen	Sheen	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
V-64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-70	--	--	--	--	--	--	--	--	--	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
V-71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-72	--	--	--	--	--	--	--	--	--	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
V-73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-77	Dry	--	--	--	--	--	--	--	--	--	--	--	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
V-78A	--	<0.01	<0.01	--	<0.01	--	--	<0.01	--	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
V-78B	--	--	--	--	--	--	--	--	--	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
V-79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.01	--	--	--	--	--	--	--	--
V-84	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-93	Dry	Dry	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry	--	--	--	--	--	--	--	--
232	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
235	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
239	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
243	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
244	--	<0.01	Sheen	<0.01	<0.01	0.08	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
247	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
252	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
253	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Dry	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

-- Well not monitored.

* Well inaccessible.

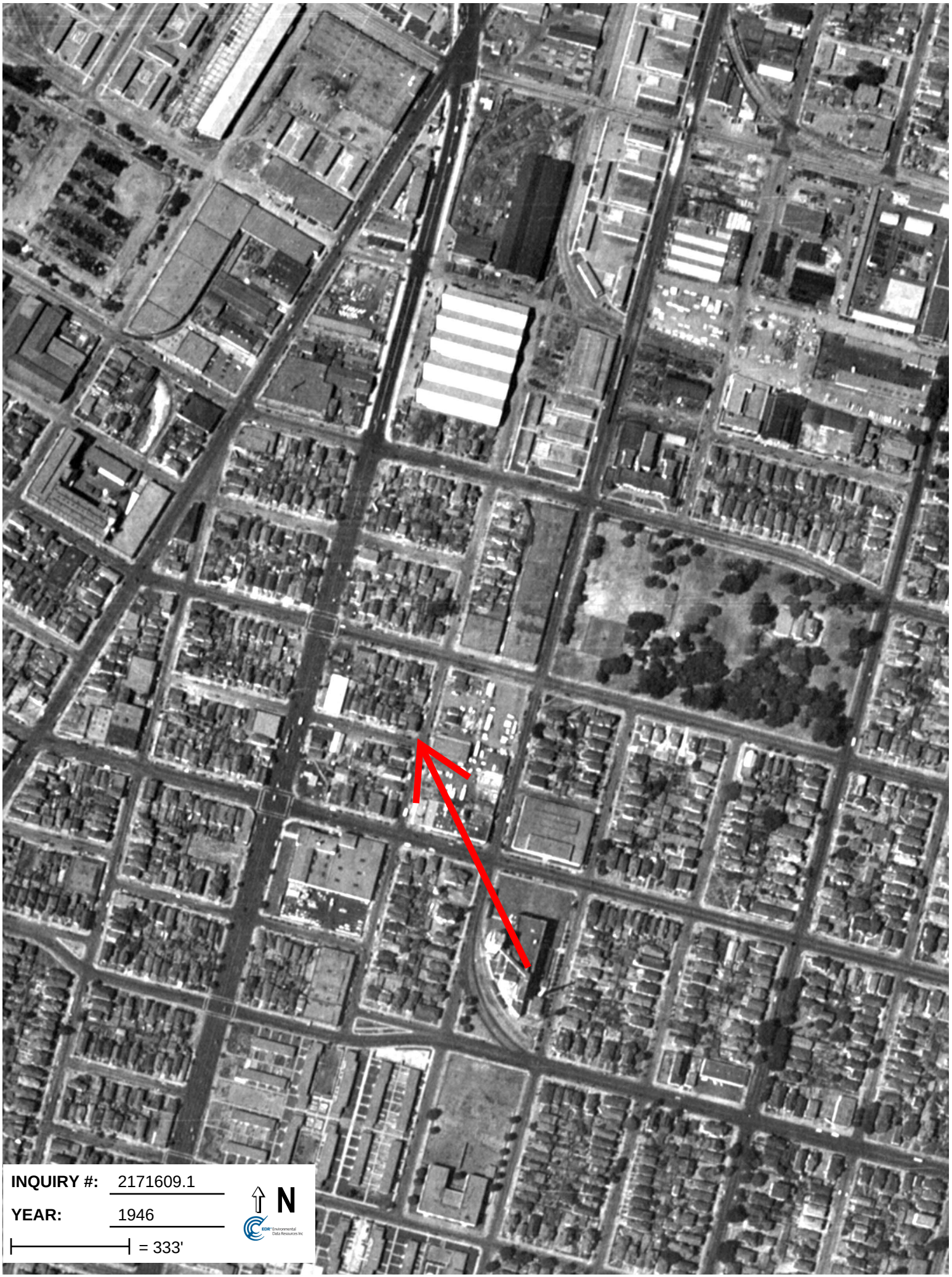
a = Monitored on 2/5/99; b = mud in well at 3.80 feet; c = well was dry, but probe showed oil on it; d = black, oily substance on probe; e = interface probe not responding accurately to LPH; f = Amount verified on 8/10/01 for wells MW-8, E-5, PR12, PR-32, PR-53, PR-55, PR-67, and 244.

Appendices

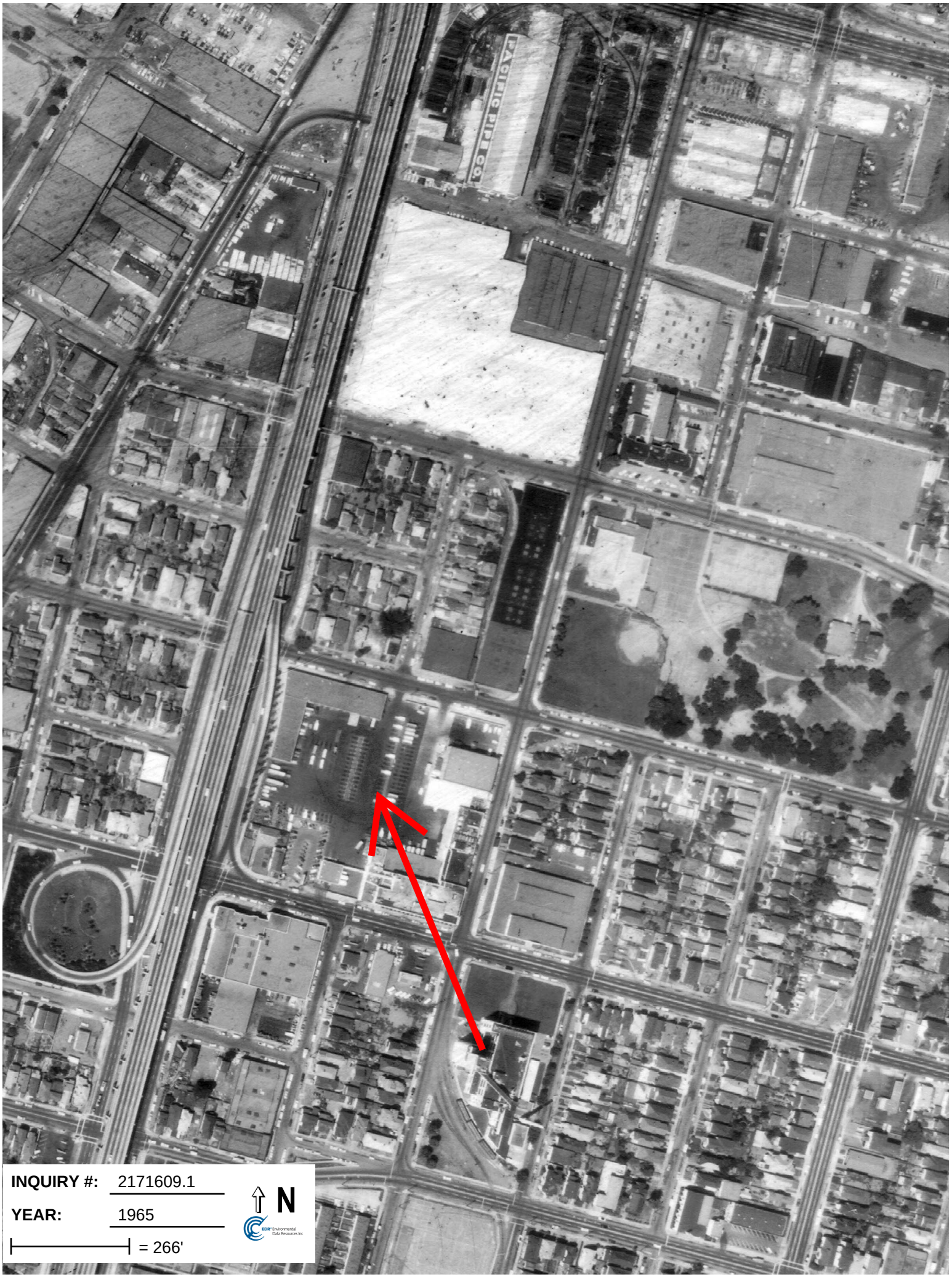
Appendix A: Aerial Photos
Appendix B: Boring Logs

Appendix A: Aerial Photos


INQUIRY #: 2171609.1
YEAR: 1939
= 333'
N


INQUIRY #: 2171609.1
YEAR: 1946
= 333'
N


INQUIRY #: 2171609.1
YEAR: 1958
= 333'
N



INQUIRY #: 2171609.1

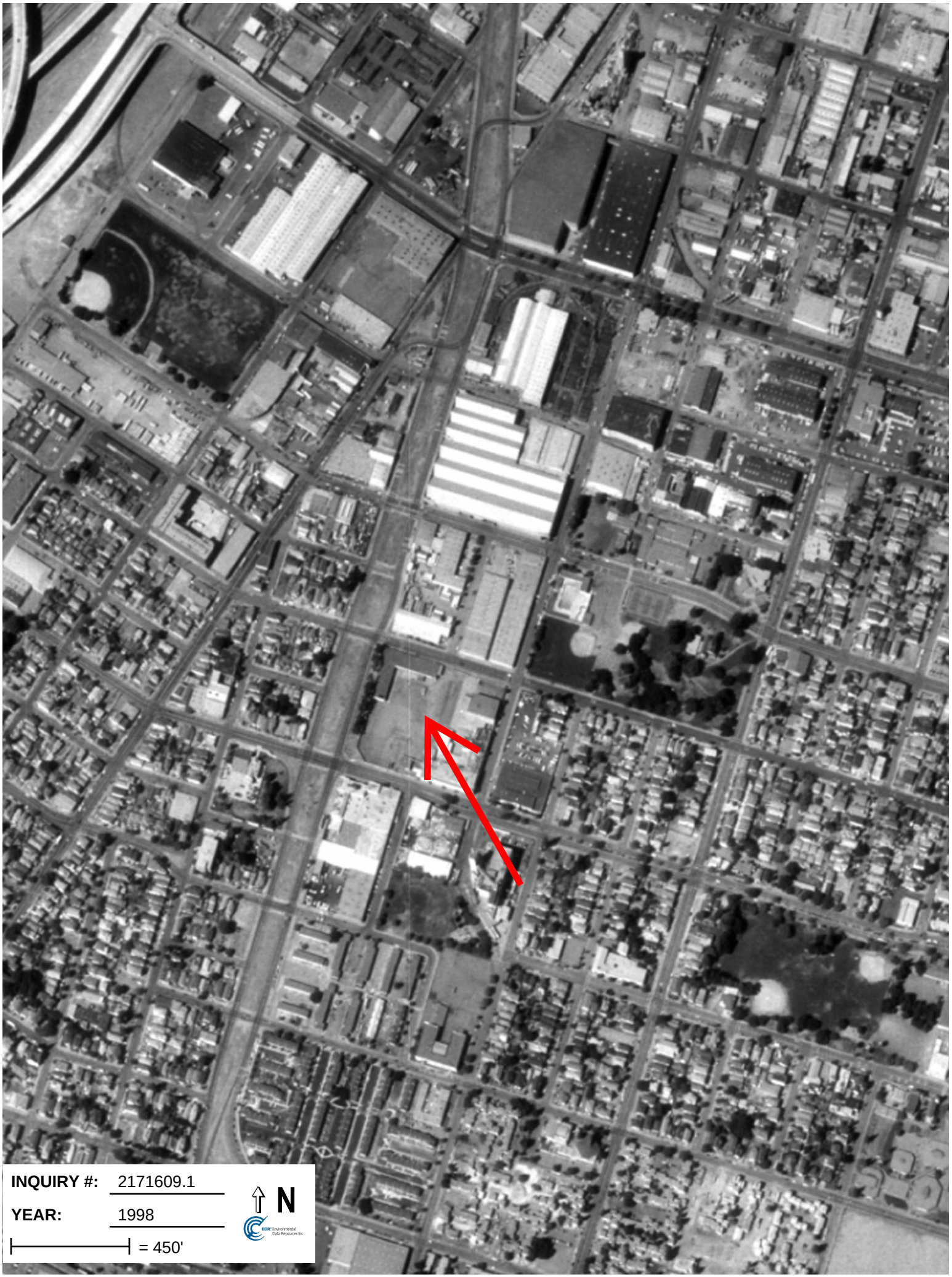
YEAR: 1965

= 266'

N


INQUIRY #: 2171609.1
YEAR: 1982
= 500'
N


INQUIRY #: 2171609.1
YEAR: 1993
= 450'
N


INQUIRY #: 2171609.1
YEAR: 1998
= 450'
N

Appendix B: Boring Logs

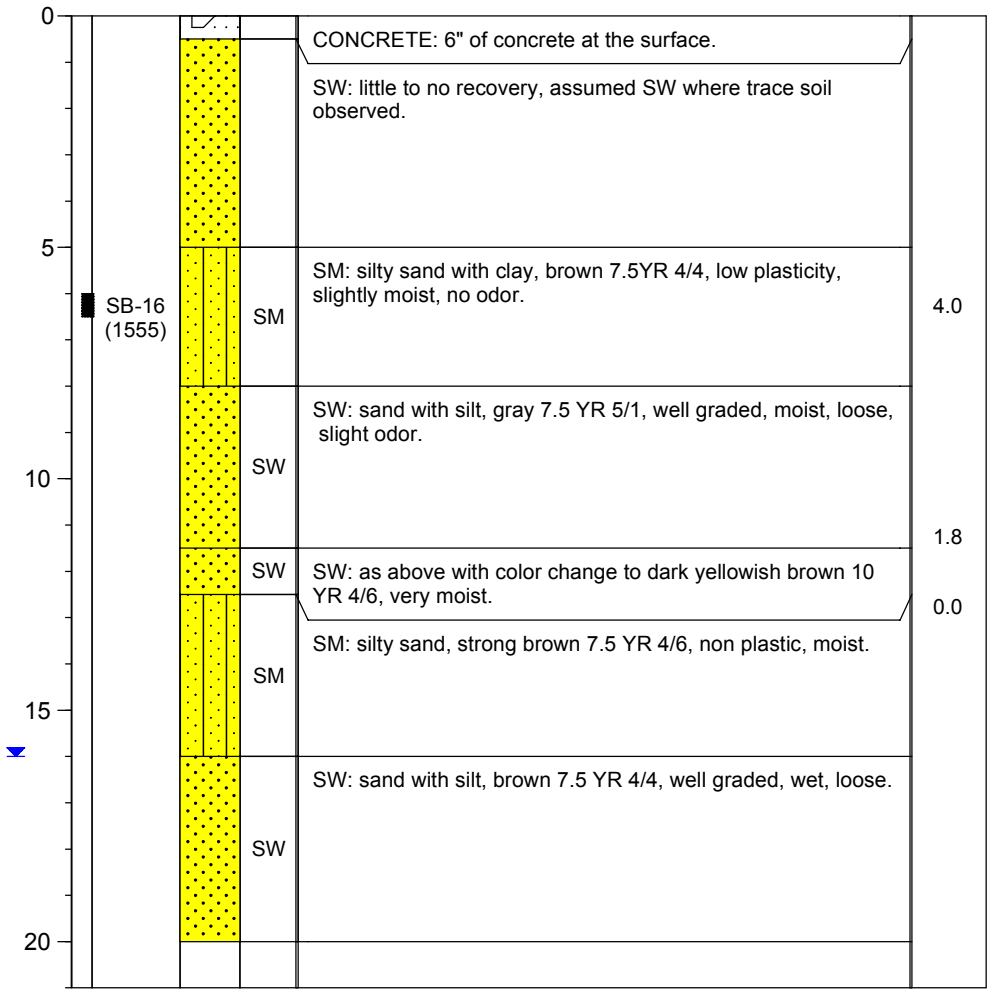
ENVIRONMENTAL COST MANAGEMENT, INC.
Managing Cost and Liability
660 Baker Street, Suite 253 ● Costa Mesa, CA 92626
Tel: (714) 662-2759 ● Fax: (714) 662-2758

FIELD BOREHOLE LOG

BOREHOLE NO.: **SB-16**
TOTAL DEPTH: **20 Feet**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Nestlé Oakland**	DRILLING CO.:	**TEG**
SITE LOCATION:	**Oakland, California**	DRILLER:	**Tim Hyde**
JOB NO.:	**Nestlé Oakland**	RIG TYPE:	**Geoprobe**
GEOLOGIST:	**Joseph Plummer**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Brent Searcy**	SAMPLING METHODS:	**Continuous Core**
DATES DRILLED:	**5/19/08**	BOREHOLE DIAMETER:	**2 Inches**

▽ Water Table Encountered During Drilling ▼ Static Water Level



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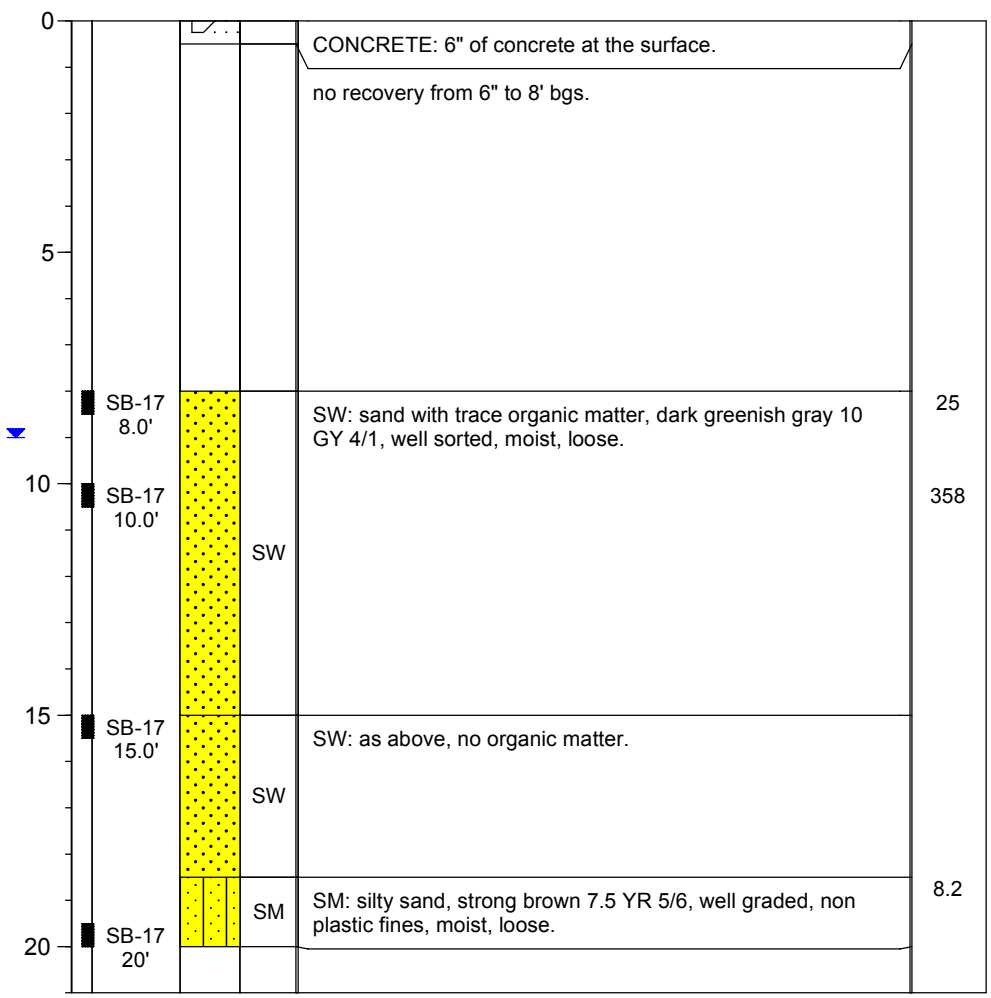
FIELD BOREHOLE LOG

BOREHOLE NO.: **SB-17**
TOTAL DEPTH: **20 Feet**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Nestlé Oakland**	DRILLING CO.:	**TEG**
SITE LOCATION:	**Oakland, California**	DRILLER:	**Tim Hyde**
JOB NO.:	**Nestlé Oakland**	RIG TYPE:	**Geoprobe**
GEOLOGIST:	**Joseph Plummer**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Brent Searcy**	SAMPLING METHODS:	**Continuous Core**
DATES DRILLED:	**5/22/08**	BOREHOLE DIAMETER:	**2 Inches**

▽ Water Table Encountered During Drilling ▼ Static Water Level



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FIELD BOREHOLE LOG

BOREHOLE NO.: **SB-18**
TOTAL DEPTH: **20 Feet**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Nestlé Oakland**	DRILLING CO.:	**TEG**
SITE LOCATION:	**Oakland, California**	DRILLER:	**Tim Hyde**
JOB NO.:	**Nestlé Oakland**	RIG TYPE:	**Geoprobe**
GEOLOGIST:	**Joseph Plummer**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Brent Searcy**	SAMPLING METHODS:	**Continuous Core**
DATES DRILLED:	**5/21/08**	BOREHOLE DIAMETER:	**2 Inches**

▽ Water Table Encountered During Drilling ▼ Static Water Level

DEPTH bgs	SAMPLES / LITHOLOGY	USCS	SOIL DESCRIPTION	PID (ppm)	Comments
0			CONCRETE: 6" of concrete at the surface.		
			SW: little to no recovery, assumed SW where trace soil observed.		
5 ▽		SW	SW: sand, dark yellowish brown 10 YR 4/4, well graded, moist, loose.	0.2 25	wet at 5.5' bgs.
	SB-18 (1340)	SM	SM: silty sand, dark yellowish brown 10 YR 4/6, non-plastic, moist, loose, strong odor.	435	moist at 6', wet zone: 0.5 '
10 ▼		SW	SW: sand, grayish brown 10 YR 5/2, well graded, wet, loose, strong odor.	214.6	wet at 9.5', strong odor.
		SW	SW: sand, brown 7.5 YR 5/3, well graded, wet, loose, strong odor.	401	
15		SM	SM: silty sand with trace clay, brown 7.5 YR 5/4, low plasticity fines, moist.	187	
20					bottom of boring at 20' bgs.

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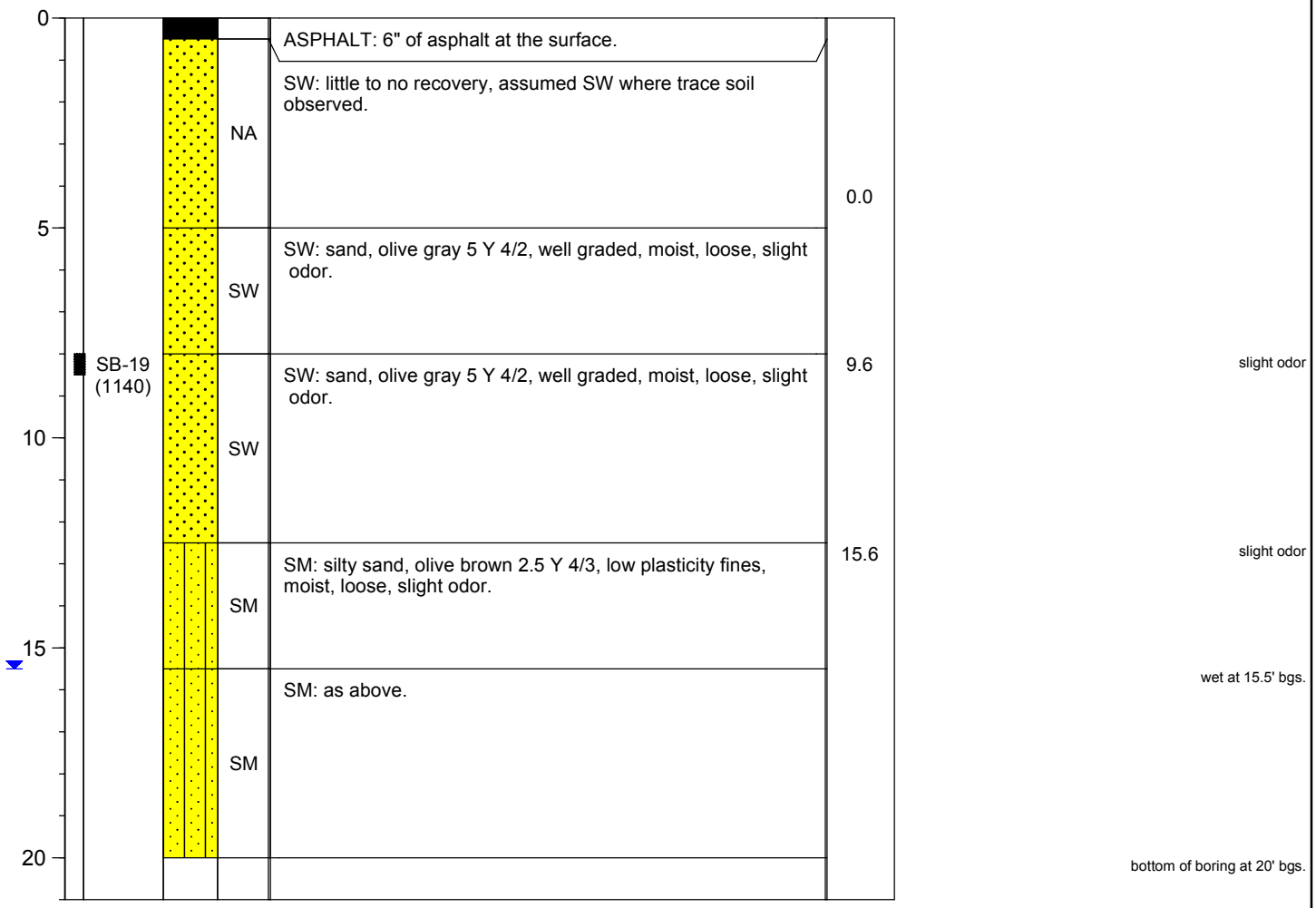
FIELD BOREHOLE LOG

BOREHOLE NO.: **SB-19**
TOTAL DEPTH: **20 Feet**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Nestlé Oakland**	DRILLING CO.:	**TEG**
SITE LOCATION:	**Oakland, California**	DRILLER:	**Tim Hyde**
JOB NO.:	**Nestlé Oakland**	RIG TYPE:	**Geoprobe**
GEOLOGIST:	**Joseph Plummer**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Brent Searcy**	SAMPLING METHODS:	**Continuous Core**
DATES DRILLED:	**5/21/08**	BOREHOLE DIAMETER:	**2 Inches**

▽ Water Table Encountered During Drilling ▼ Static Water Level



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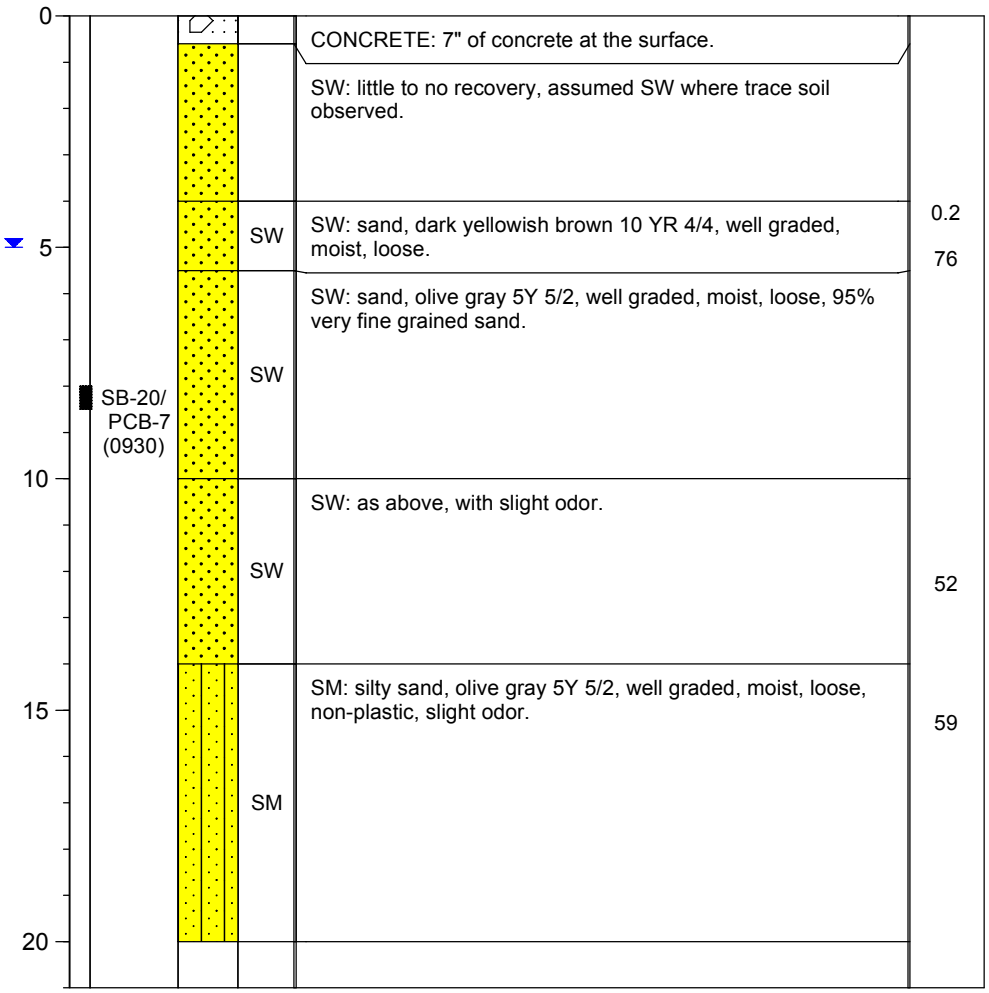
FIELD BOREHOLE LOG

BOREHOLE NO.: **SB-20/ PCB-7**
TOTAL DEPTH: **20 Feet**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Nestlé Oakland**	DRILLING CO.:	**TEG**
SITE LOCATION:	**Oakland, California**	DRILLER:	**Tim Hyde**
JOB NO.:	**Nestlé Oakland**	RIG TYPE:	**Geoprobe**
GEOLOGIST:	**Joseph Plummer**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Brent Searcy**	SAMPLING METHODS:	**Continuous Core**
DATES DRILLED:	**5/22/08**	BOREHOLE DIAMETER:	**2 Inches**

▽ Water Table Encountered During Drilling ▼ Static Water Level



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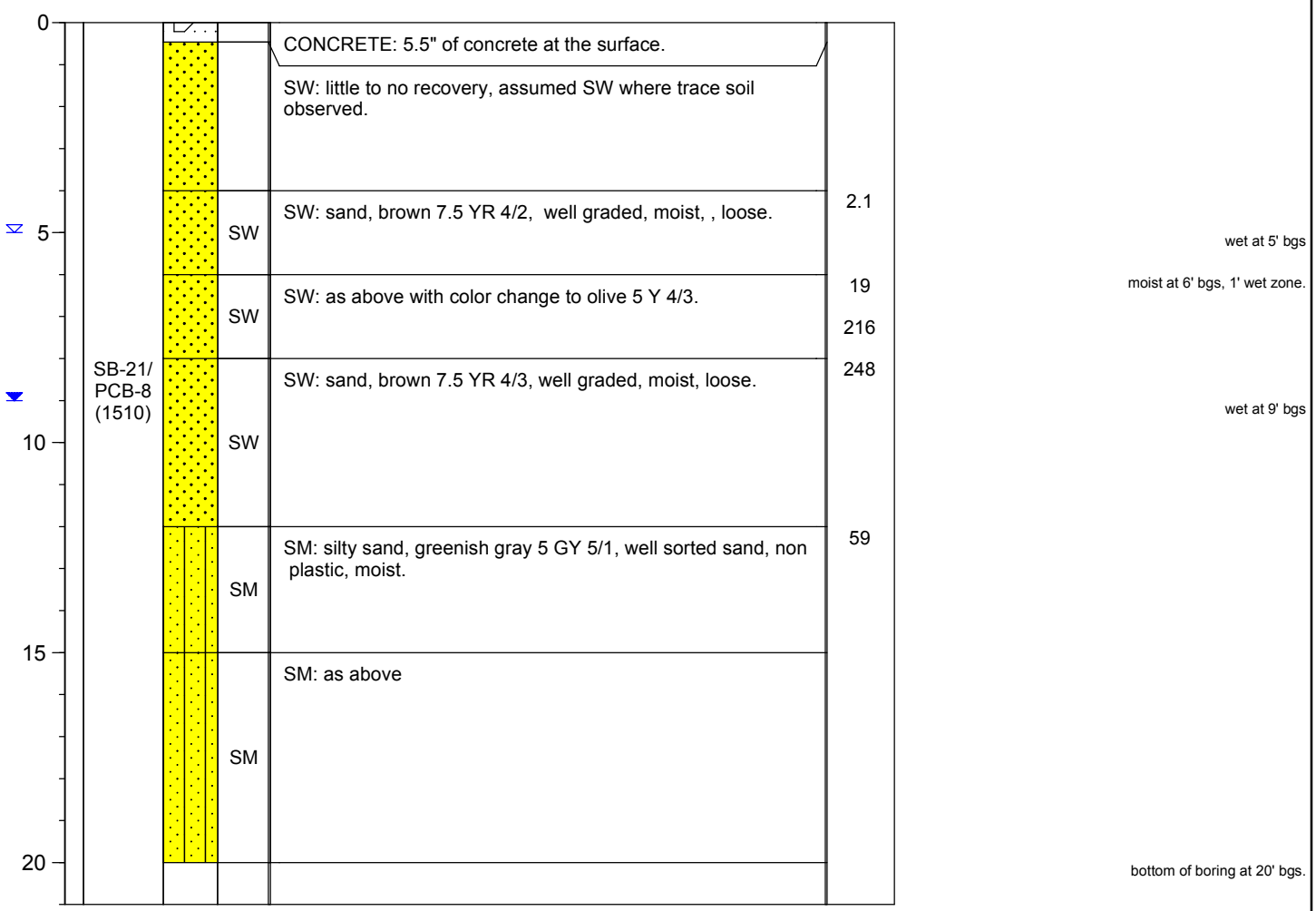
FIELD BOREHOLE LOG

BOREHOLE NO.: **SB-21/ PCB-8**
TOTAL DEPTH: **20 Feet**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Nestlé Oakland**	DRILLING CO.:	**TEG**
SITE LOCATION:	**Oakland, California**	DRILLER:	**Tim**
JOB NO.:	**Nestlé Oakland**	RIG TYPE:	**Geoprobe**
GEOLOGIST:	**Joseph Plummer**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Brent Searcy**	SAMPLING METHODS:	**Continuous Core**
DATES DRILLED:	**5/21/08**	BOREHOLE DIAMETER:	**2 Inches**

▽ Water Table Encountered During Drilling ▼ Static Water Level



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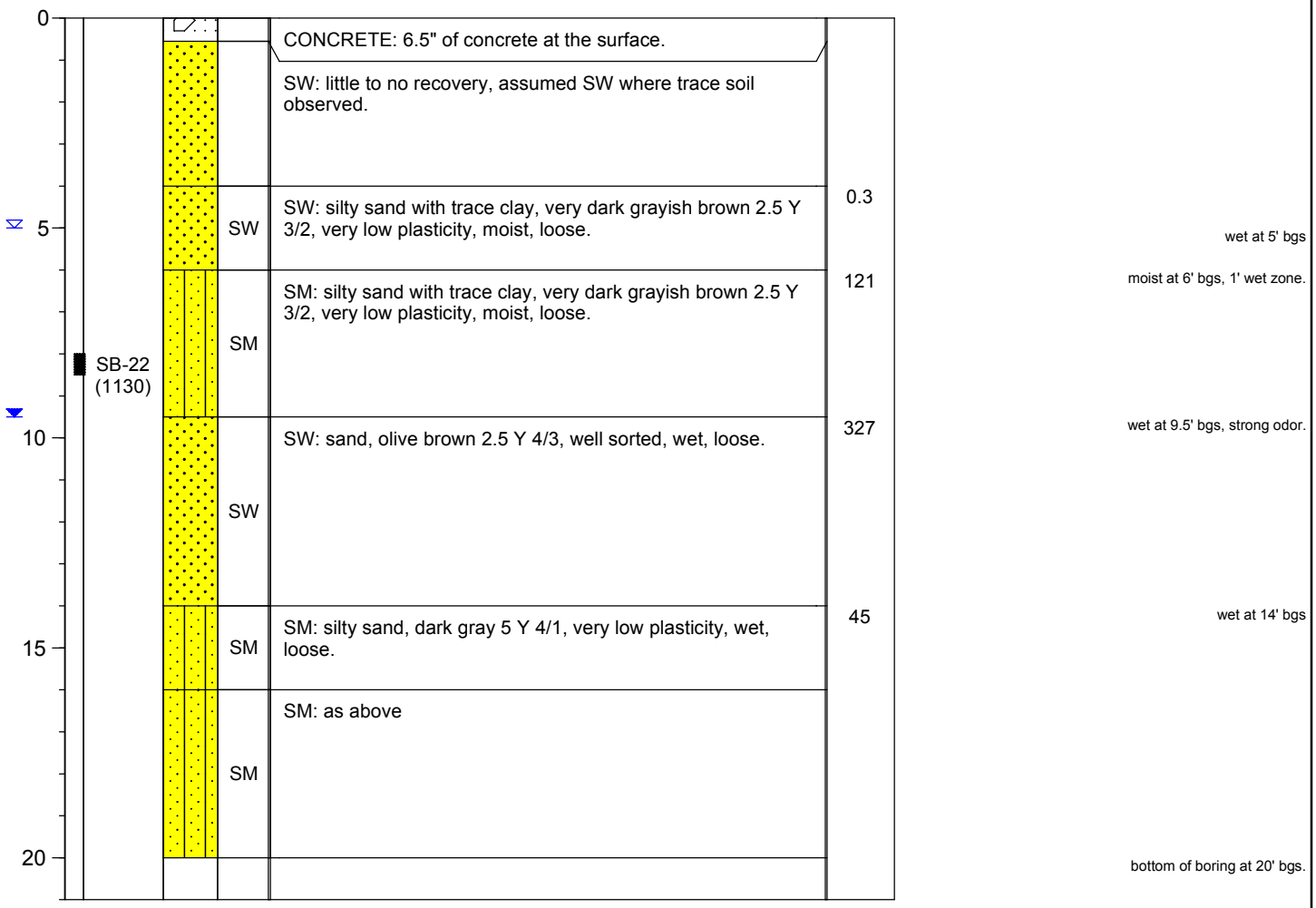
FIELD BOREHOLE LOG

BOREHOLE NO.: **SB-22**
TOTAL DEPTH: **20 Feet**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Nestlé Oakland**	DRILLING CO.:	**TEG**
SITE LOCATION:	**Oakland, California**	DRILLER:	**Tim Hyde**
JOB NO.:	**Nestlé Oakland**	RIG TYPE:	**Geoprobe**
GEOLOGIST:	**Joseph Plummer**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Brent Searcy**	SAMPLING METHODS:	**Continuous Core**
DATES DRILLED:	**5/21/08**	BOREHOLE DIAMETER:	**2 Inches**

▽ Water Table Encountered During Drilling ▼ Static Water Level



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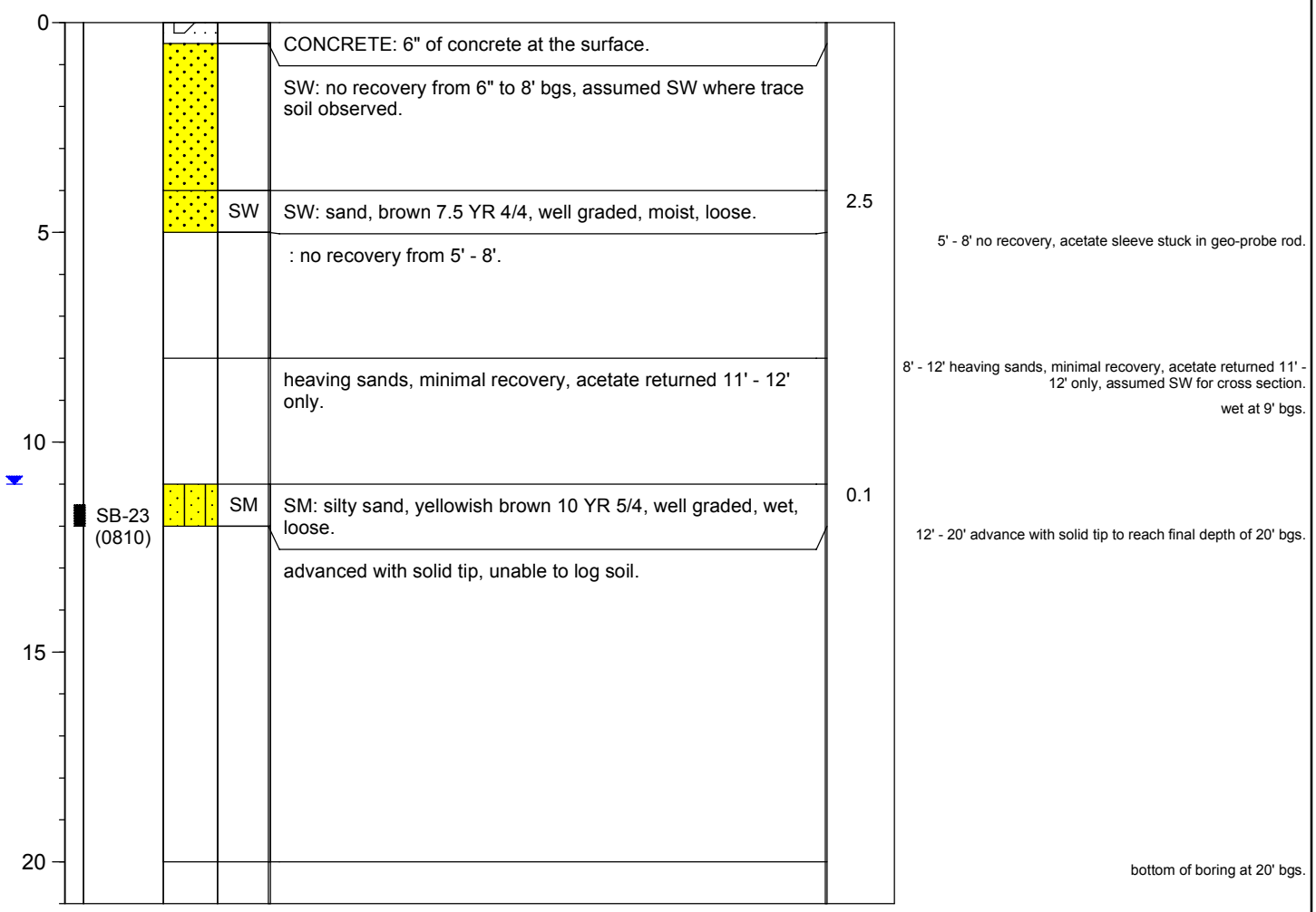
FIELD BOREHOLE LOG

BOREHOLE NO.: **SB-23**
TOTAL DEPTH: **20 Feet**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Nestlé Oakland**	DRILLING CO.:	**TEG**
SITE LOCATION:	**Oakland, California**	DRILLER:	**Tim Hyde**
JOB NO.:	**Nestlé Oakland**	RIG TYPE:	**Geoprobe**
GEOLOGIST:	**Joseph Plummer**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Brent Searcy**	SAMPLING METHODS:	**Continuous Core**
DATES DRILLED:	**5/22/08**	BOREHOLE DIAMETER:	**2 Inches**

▽ Water Table Encountered During Drilling ▼ Static Water Level



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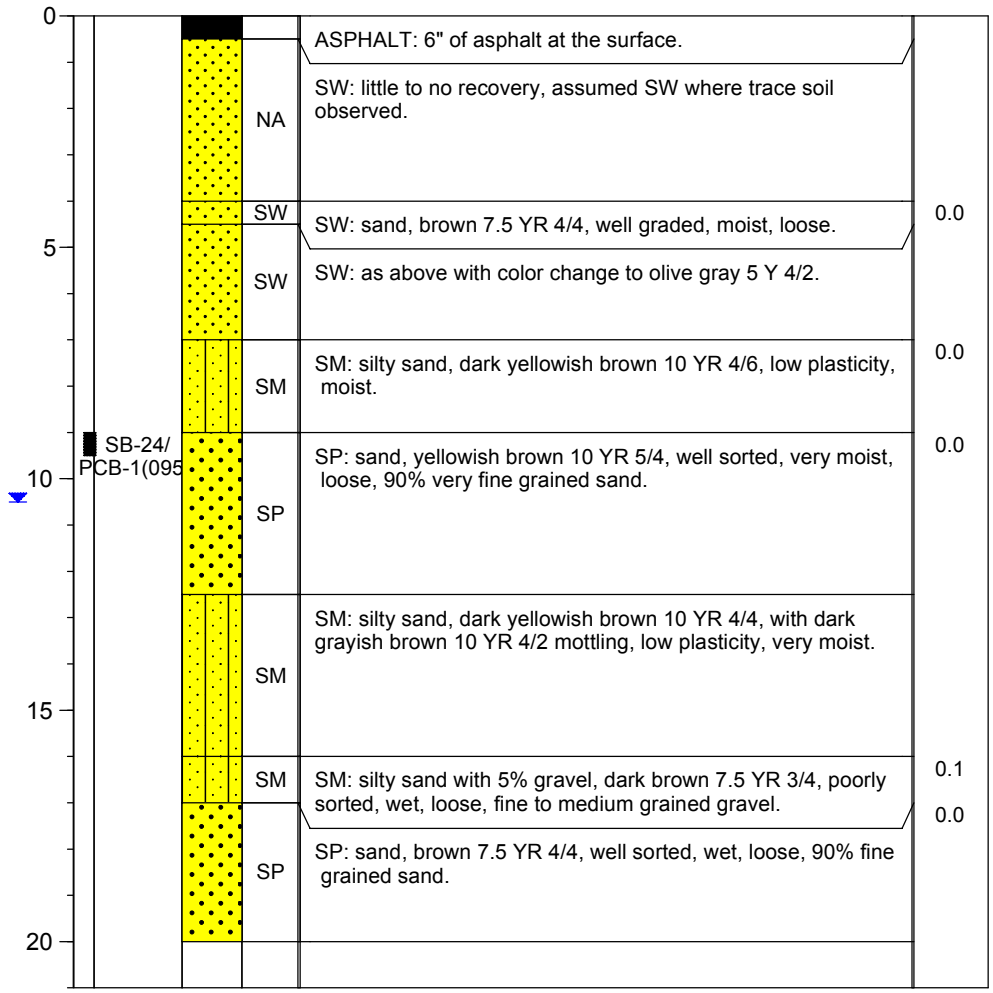
FIELD BOREHOLE LOG

BOREHOLE NO.: **SB-24/ PCB-1**
TOTAL DEPTH: **20 Feet**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Nestlé Oakland**	DRILLING CO.:	**TEG**
SITE LOCATION:	**Oakland, California**	DRILLER:	**Tim Hyde**
JOB NO.:	**Nestlé Oakland**	RIG TYPE:	**Geoprobe**
GEOLOGIST:	**Joseph Plummer**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Brent Searcy**	SAMPLING METHODS:	**Continuous Core**
DATES DRILLED:	**5/20/08**	BOREHOLE DIAMETER:	**2 Inches**

▽ Water Table Encountered During Drilling ▼ Static Water Level



DEPTH bgs	SAMPLES / LITHOLOGY	USCS	SOIL DESCRIPTION	PID (ppm)	Comments
0		NA	ASPHALT: 6" of asphalt at the surface. SW: little to no recovery, assumed SW where trace soil observed.		
5		SW	SW: sand, brown 7.5 YR 4/4, well graded, moist, loose.	0.0	
		SW	SW: as above with color change to olive gray 5 Y 4/2.		
		SM	SM: silty sand, dark yellowish brown 10 YR 4/6, low plasticity, moist.	0.0	
10 ▼	SB-24/ PCB-1(095	SP	SP: sand, yellowish brown 10 YR 5/4, well sorted, very moist, loose, 90% very fine grained sand.	0.0	wet at 10.5' bgs.
15		SM	SM: silty sand, dark yellowish brown 10 YR 4/4, with dark grayish brown 10 YR 4/2 mottling, low plasticity, very moist.		
		SM	SM: silty sand with 5% gravel, dark brown 7.5 YR 3/4, poorly sorted, wet, loose, fine to medium grained gravel.	0.1	
		SP	SP: sand, brown 7.5 YR 4/4, well sorted, wet, loose, 90% fine grained sand.	0.0	
20					bottom of boring at 20' bgs.

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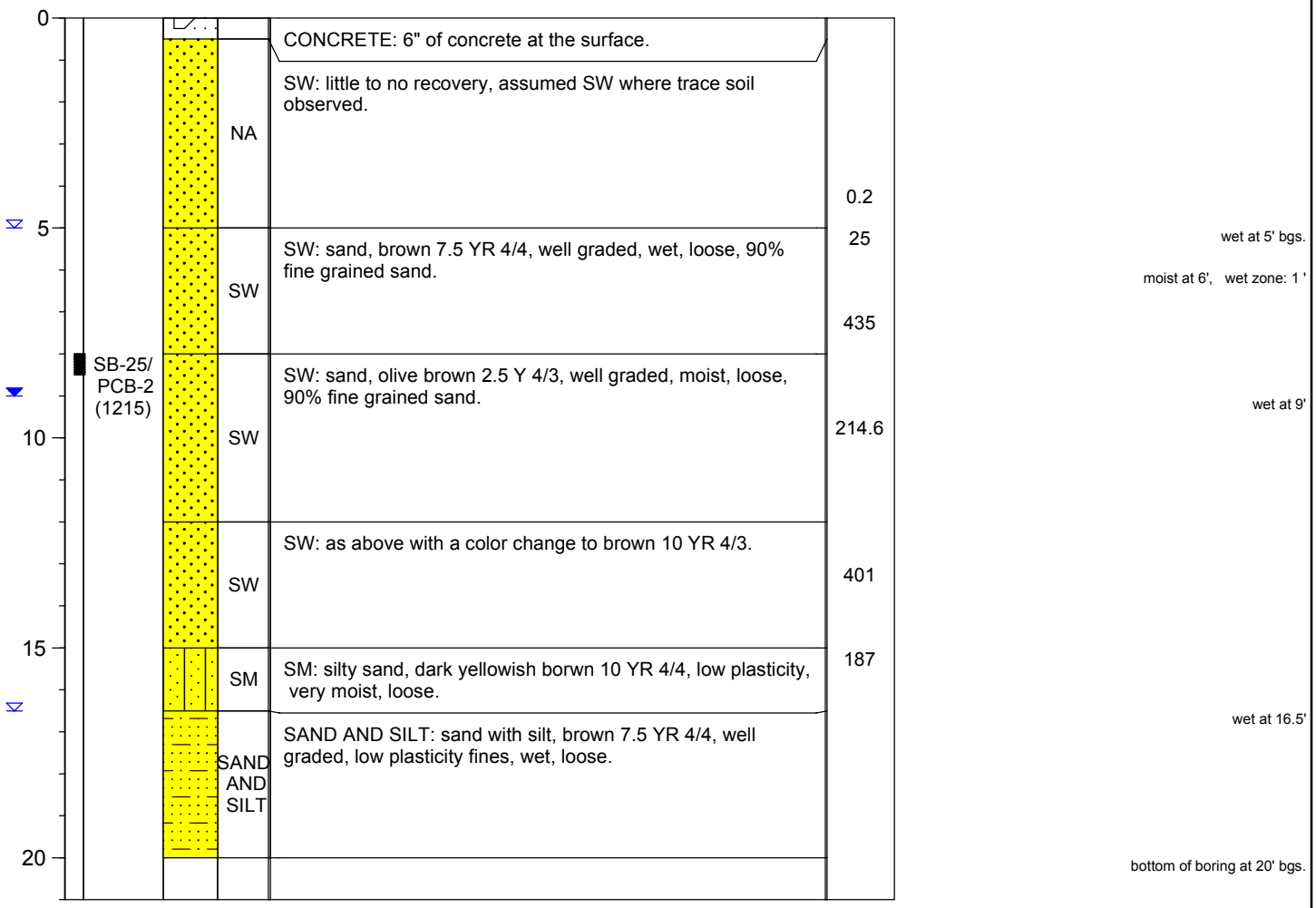
FIELD BOREHOLE LOG

BOREHOLE NO.: **SB-25/ PCB-2**
TOTAL DEPTH: **20 Feet**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Nestlé Oakland**	DRILLING CO.:	**TEG**
SITE LOCATION:	**Oakland, California**	DRILLER:	**Tim Hyde**
JOB NO.:	**Nestlé Oakland**	RIG TYPE:	**Geoprobe**
GEOLOGIST:	**Joseph Plummer**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Brent Searcy**	SAMPLING METHODS:	**Continuous Core**
DATES DRILLED:	**5/20/08**	BOREHOLE DIAMETER:	**2 Inches**

▽ Water Table Encountered During Drilling ▼ Static Water Level



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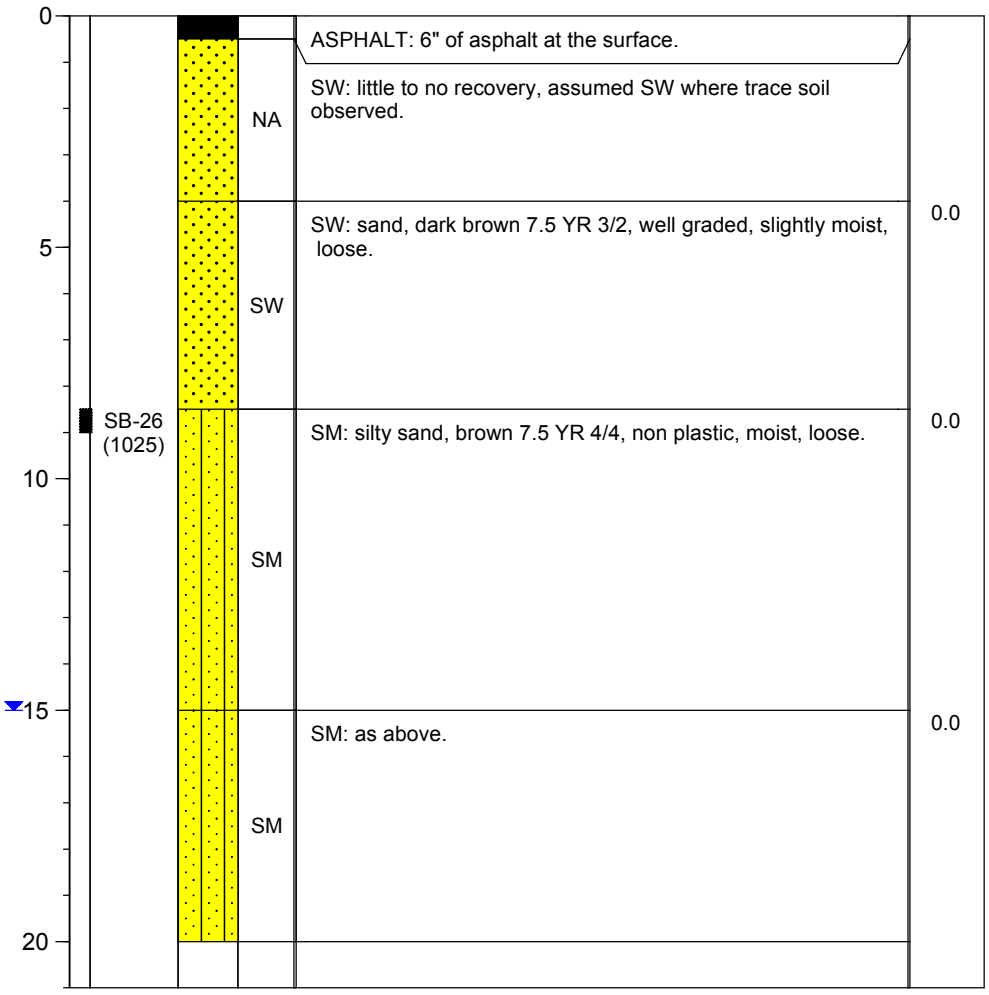
FIELD BOREHOLE LOG

BOREHOLE NO.: **SB-26**
TOTAL DEPTH: **20 Feet**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Nestlé Oakland**	DRILLING CO.:	**TEG**
SITE LOCATION:	**Oakland, California**	DRILLER:	**Tim Hyde**
JOB NO.:	**Nestlé Oakland**	RIG TYPE:	**Geoprobe**
GEOLOGIST:	**Joseph Plummer**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Brent Searcy**	SAMPLING METHODS:	**Continuous Core**
DATES DRILLED:	**5/21/08**	BOREHOLE DIAMETER:	**2 Inches**

▽ Water Table Encountered During Drilling ▼ Static Water Level



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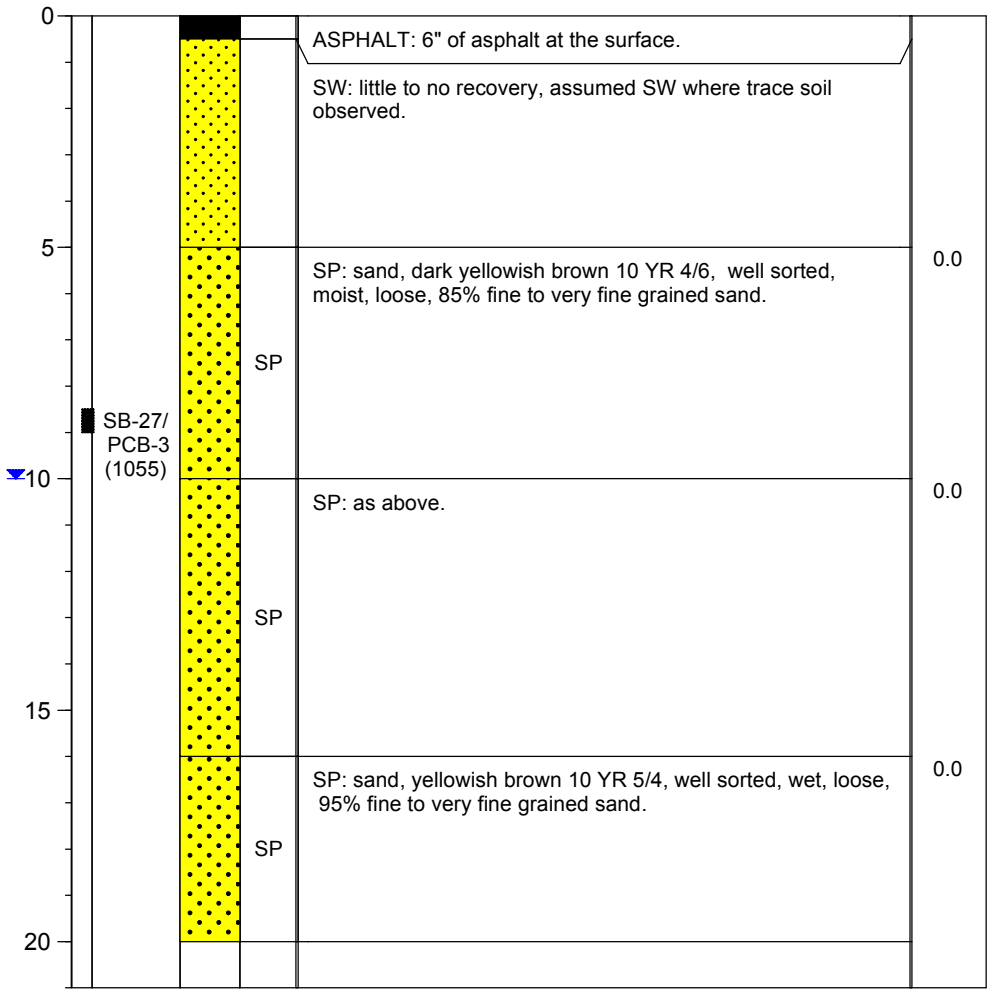
FIELD BOREHOLE LOG

BOREHOLE NO.: **SB-27/ PCB-3**
TOTAL DEPTH: **20 Feet**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Nestlé Oakland**	DRILLING CO.:	**TEG**
SITE LOCATION:	**Oakland, California**	DRILLER:	**Tim Hyde**
JOB NO.:	**Nestlé Oakland**	RIG TYPE:	**Geoprobe**
GEOLOGIST:	**Joseph Plummer**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Brent Searcy**	SAMPLING METHODS:	**Continuous Core**
DATES DRILLED:	**5/20/08**	BOREHOLE DIAMETER:	**2 Inches**

▽ Water Table Encountered During Drilling ▼ Static Water Level



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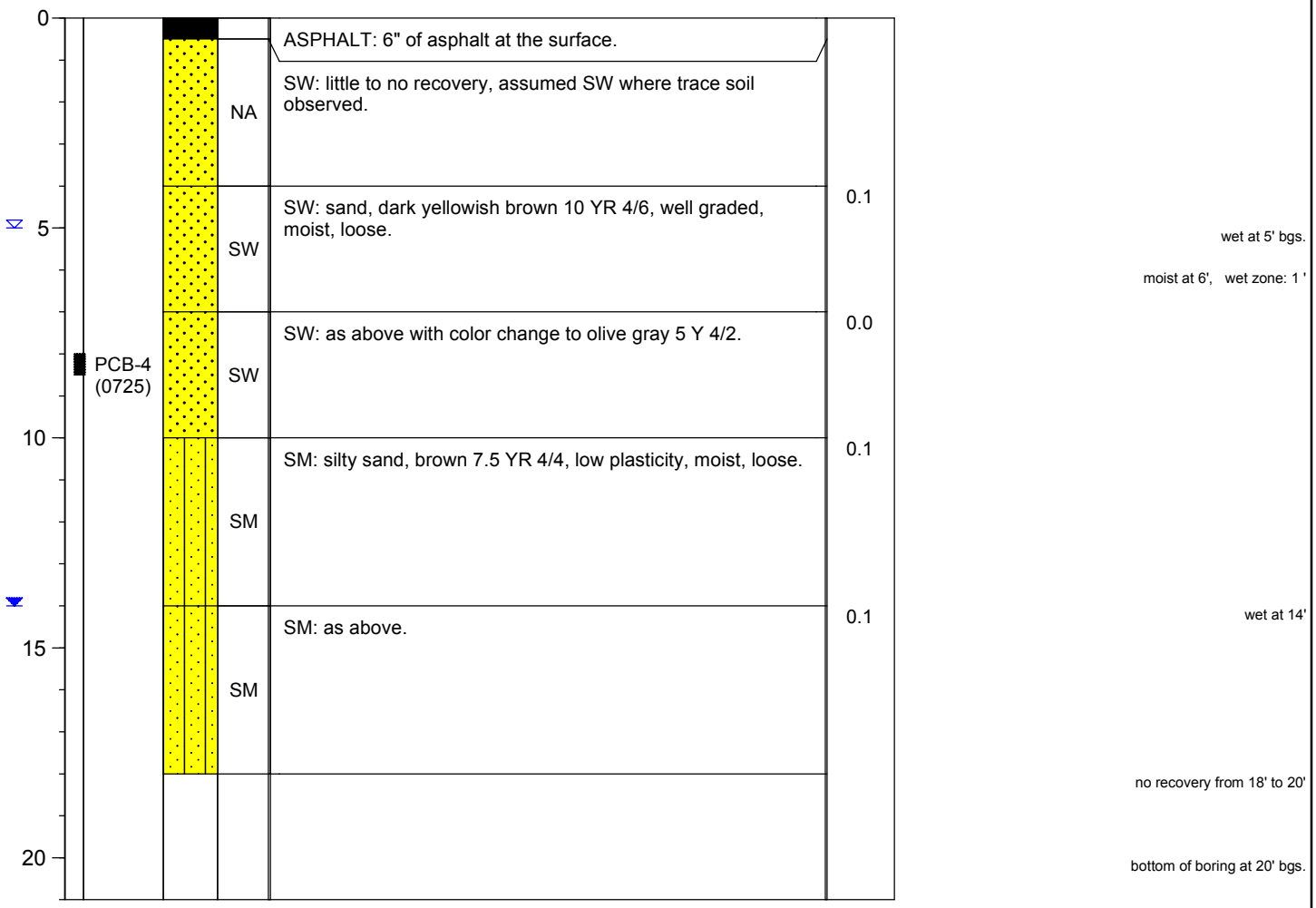
FIELD BOREHOLE LOG

BOREHOLE NO.: **PCB-4**
TOTAL DEPTH: **20 Feet**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Nestlé Oakland**	DRILLING CO.:	**TEG**
SITE LOCATION:	**Oakland, California**	DRILLER:	**Tim Hyde**
JOB NO.:	**Nestlé Oakland**	RIG TYPE:	**Geoprobe**
GEOLOGIST:	**Joseph Plummer**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Brent Searcy**	SAMPLING METHODS:	**Continuous Core**
DATES DRILLED:	**5/21/08**	BOREHOLE DIAMETER:	**2 Inches**

▽ Water Table Encountered During Drilling ▼ Static Water Level



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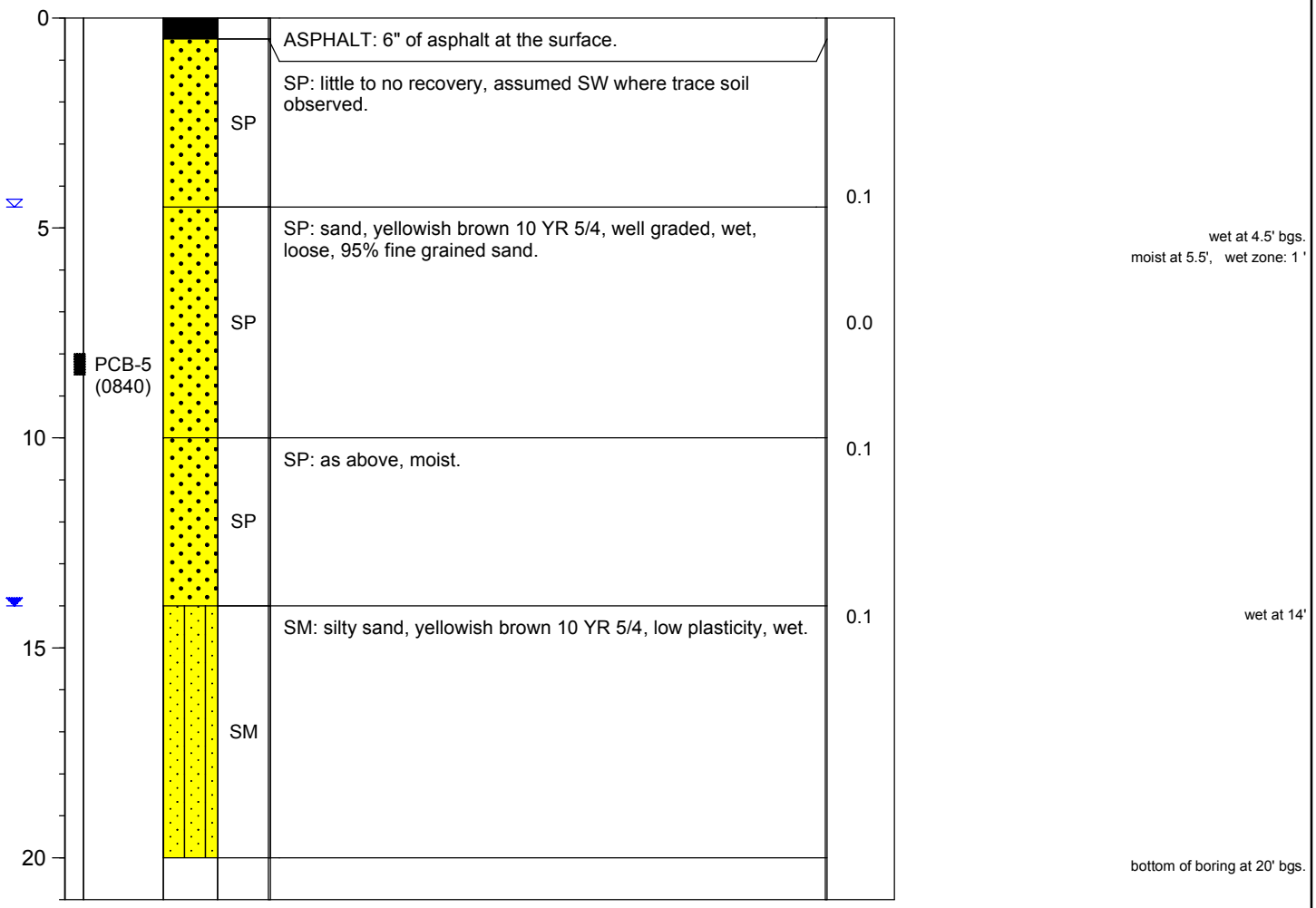
FIELD BOREHOLE LOG

BOREHOLE NO.: **PCB-5**
TOTAL DEPTH: **20 Feet**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Nestlé Oakland**	DRILLING CO.:	**TEG**
SITE LOCATION:	**Oakland, California**	DRILLER:	**Tim Hyde**
JOB NO.:	**Nestlé Oakland**	RIG TYPE:	**Geoprobe**
GEOLOGIST:	**Joseph Plummer**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Brent Searcy**	SAMPLING METHODS:	**Continuous Core**
DATES DRILLED:	**5/21/08**	BOREHOLE DIAMETER:	**2 Inches**

▽ Water Table Encountered During Drilling ▼ Static Water Level



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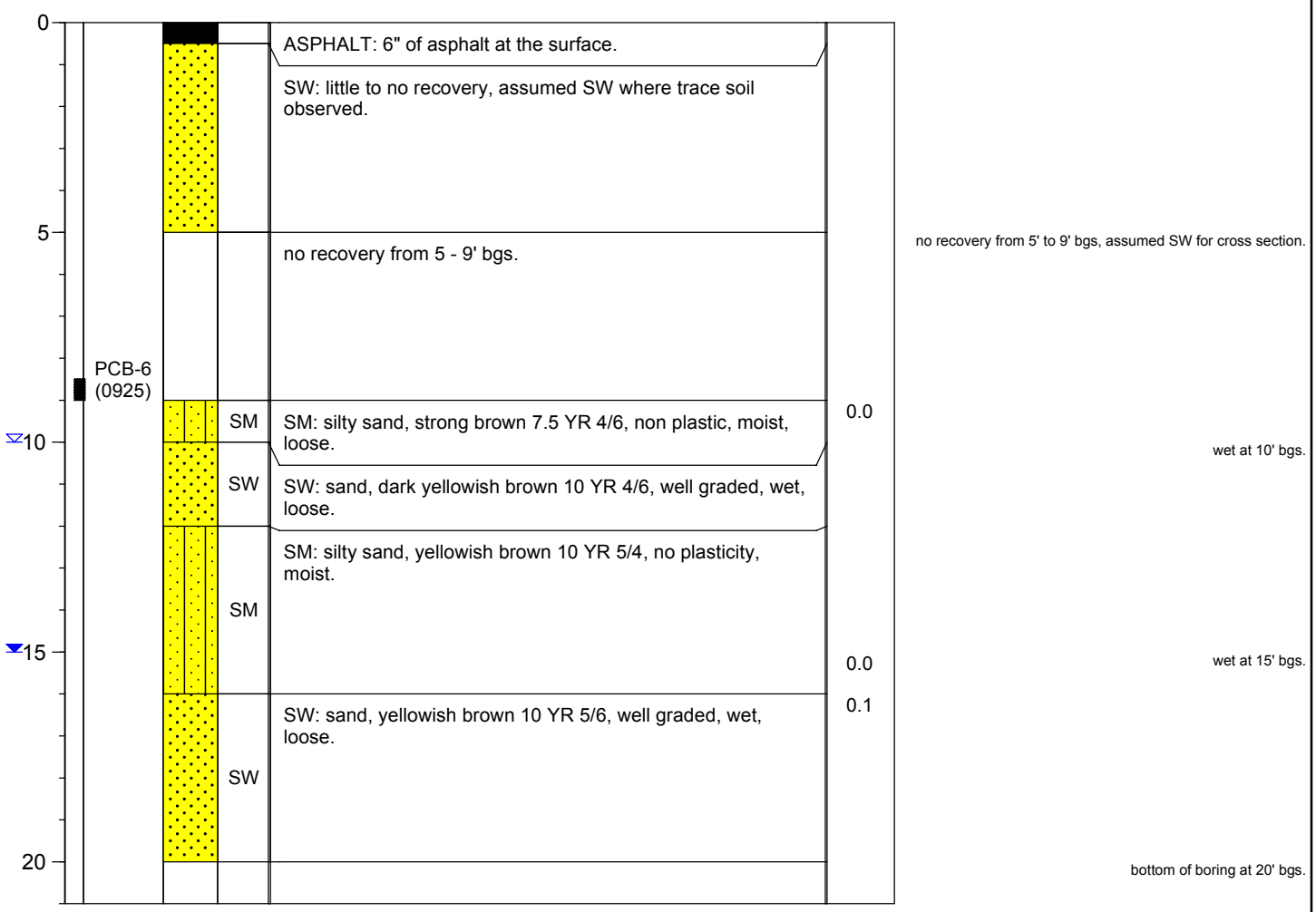
FIELD BOREHOLE LOG

BOREHOLE NO.: **PCB-6**
TOTAL DEPTH: **20 Feet**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Nestlé Oakland**	DRILLING CO.:	**TEG**
SITE LOCATION:	**Oakland, California**	DRILLER:	**Tim Hyde**
JOB NO.:	**Nestlé Oakland**	RIG TYPE:	**Geoprobe**
GEOLOGIST:	**Joseph Plummer**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Brent Searcy**	SAMPLING METHODS:	**Continuous Core**
DATES DRILLED:	**5/21/08**	BOREHOLE DIAMETER:	**2 Inches**

▽ Water Table Encountered During Drilling ▼ Static Water Level



ETIC Engineering, Inc.

LOG OF SOIL BORING: **SB1**

COORDINATES:

ELEVATION TOP OF CASING:

CASING BELOW SURFACE:

CLIENT	SITE NUMBER	LOCATION
NESTLE		1310 14th Street Oakland, CA

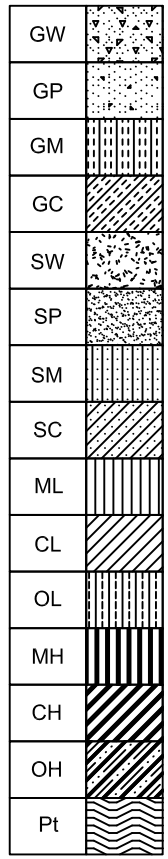
DRILLING AND SAMPLING METHODS: Geoprobe 5400 Subsurface Sampling System; 2" Sampler

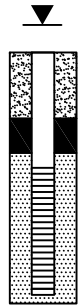
				DRILLING START	DRILLING FINISH
WATER LEVEL					
TIME				TIME 0900	TIME 0955
DATE				DATE 8/12/99	DATE 8/12/99
REFERENCE					

SURFACE CONDITIONS: Asphalt

DESCRIPTION BY: B. Campbell

INCHES DRIVEN	INCHES RECOVER	BLOWS/6" SAMPLER	OVA READING	WELL DETAIL	DEPTH (feet)	GRAPHIC LOG	
					0		Asphalt.
					1		
					2		
			100		3	SM	SILTY SAND: light yellowish brown (2.5Y 6/3), dry, weak, no odor.
					4		
					5		
			175		6	SM	SILTY SAND: pale olive (5Y 6/3), moist, weak, no odor.
					7		Borehole terminated at 7.0' bgs.
					8		
					9		
					10		
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		





ETIC Engineering, Inc.

LOG OF SOIL BORING: **SB2**

COORDINATES:

ELEVATION TOP OF CASING:

CASING BELOW SURFACE:

CLIENT	SITE NUMBER	LOCATION
NESTLE		1310 14th Street Oakland, CA

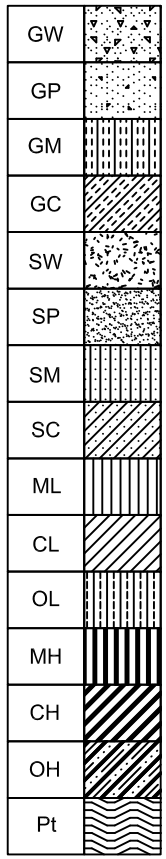
DRILLING AND SAMPLING METHODS: Geoprobe 5400 Subsurface Sampling System; 2" Sampler

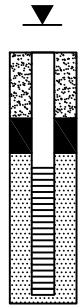
				DRILLING START	DRILLING FINISH
WATER LEVEL					
TIME				TIME 1000	TIME 1055
DATE				DATE 8/12/99	DATE 8/12/99
REFERENCE					

SURFACE CONDITIONS: Asphalt

DESCRIPTION BY: B. Campbell

INCHES DRIVEN	INCHES RECOVER	BLOWS/6" SAMPLER	OVA READING	WELL DETAIL	DEPTH (feet)	GRAPHIC LOG	
					0		Asphalt.
					1		
					2		
			2.0		3	SM	SILTY SAND: light yellowish brown (2.5Y 6/3), dry, weak, no odor.
					4		
					5		
			250		6	SM	SILTY SAND: pale olive (5Y 6/3), moist, weak, moderate odor.
					7		Borehole terminated at 7.0' bgs.
					8		
					9		
					10		
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		





ETIC Engineering, Inc.

LOG OF SOIL BORING: **SB3**

COORDINATES:

ELEVATION TOP OF CASING:

CASING BELOW SURFACE:

CLIENT	SITE NUMBER	LOCATION
NESTLE		1310 14th Street Oakland, CA

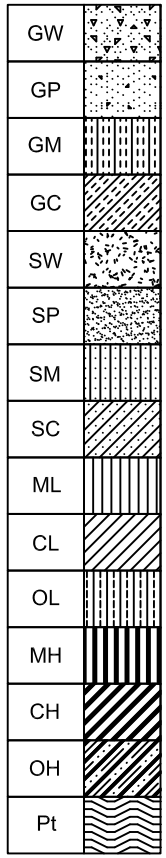
DRILLING AND SAMPLING METHODS: Geoprobe 5400 Subsurface Sampling System; 2" Sampler

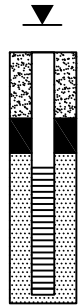
				DRILLING START	DRILLING FINISH
WATER LEVEL					
TIME				TIME 1100	TIME 1145
DATE				DATE 8/12/99	DATE 8/12/99
REFERENCE					

SURFACE CONDITIONS: Asphalt

DESCRIPTION BY: B. Campbell

INCHES DRIVEN	INCHES RECOVER	BLOWS/6" SAMPLER	OVA READING	WELL DETAIL	DEPTH (feet)	GRAPHIC LOG	
					0		Asphalt.
					1		
					2		
			150		3	SM	SILTY SAND: light yellowish brown (2.5Y 6/3), dry, weak, no odor.
					4		
					5		
			210		6	SM	SILTY SAND: pale olive (5Y 6/3), moist, weak, moderate odor.
					7		Borehole terminated at 7.0' bgs.
					8		
					9		
					10		
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		





ETIC Engineering, Inc.

LOG OF SOIL BORING: **SB4**

COORDINATES:

ELEVATION TOP OF CASING:

CASING BELOW SURFACE:

CLIENT	SITE NUMBER	LOCATION
NESTLE		1310 14th Street Oakland, CA

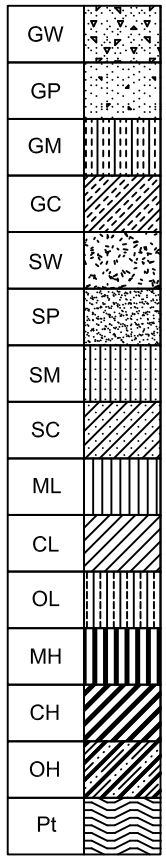
DRILLING AND SAMPLING METHODS: Geoprobe 5400 Subsurface Sampling System; 2" Sampler

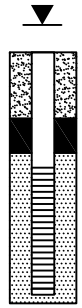
				DRILLING START	DRILLING FINISH
WATER LEVEL					
TIME				TIME 1145	TIME 1305
DATE				DATE 8/12/99	DATE 8/12/99
REFERENCE					

SURFACE CONDITIONS: Asphalt

DESCRIPTION BY: B. Campbell

INCHES DRIVEN	INCHES RECOVER	BLOWS/6" SAMPLER	OVA READING	WELL DETAIL	DEPTH (feet)	GRAPHIC LOG	
					0		Asphalt.
					1		
					2		
			200		3	SM	SILTY SAND: light yellowish brown (2.5Y 6/3), dry, weak, no odor.
					4		
					5		
			400		6	SM	SILTY SAND: pale olive (5Y 6/3), moist, weak, strong odor.
					7		Borehole terminated at 7.0' bgs.
					8		
					9		
					10		
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		





ETIC Engineering, Inc.

LOG OF SOIL BORING: **SB5**

COORDINATES:

ELEVATION TOP OF CASING:

CASING BELOW SURFACE:

CLIENT	SITE NUMBER	LOCATION
NESTLE		1310 14th Street Oakland, CA

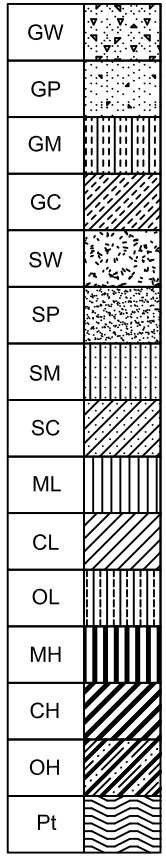
DRILLING AND SAMPLING METHODS: Geoprobe 5400 Subsurface Sampling System; 2" Sampler

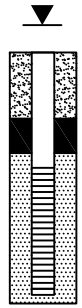
				DRILLING START	DRILLING FINISH
WATER LEVEL					
TIME				TIME 1315	TIME
DATE				DATE 8/12/99	DATE
REFERENCE					

SURFACE CONDITIONS: Asphalt

DESCRIPTION BY: B. Campbell

INCHES DRIVEN	INCHES RECOVER	BLOWS/6" SAMPLER	OVA READING	WELL DETAIL	DEPTH (feet)	GRAPHIC LOG	
					0		Asphalt.
					1		
					2		
					3	SM	Encountered obstruction - moved boring 1.5' to northwest. SILTY SAND: light yellowish brown (2.5Y 6/3), dry, weak, no odor.
			220		4		
					5		
					6	SM	SILTY SAND: pale olive (5Y 6/3), moist, weak, strong odor.
			190		7		Borehole terminated at 7.0' bgs.
					8		
					9		
					10		
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		





ETIC Engineering, Inc.

LOG OF SOIL BORING: **SB6**

COORDINATES:

ELEVATION TOP OF CASING:

CASING BELOW SURFACE:

CLIENT	SITE NUMBER	LOCATION
NESTLE		1310 14th Street Oakland, CA

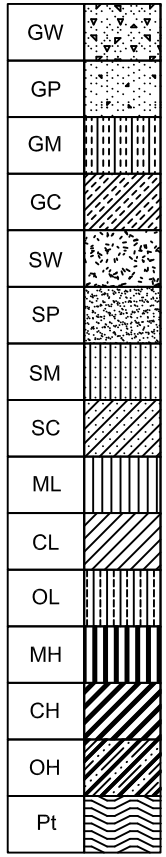
DRILLING AND SAMPLING METHODS: Geoprobe 5400 Subsurface Sampling System; 2" Sampler

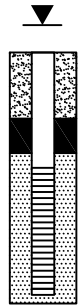
				DRILLING START	DRILLING FINISH
WATER LEVEL					
TIME				TIME 0940	TIME 1010
DATE				DATE 8/13/99	DATE 8/13/99
REFERENCE					

SURFACE CONDITIONS: Concrete

DESCRIPTION BY: B. Campbell

INCHES DRIVEN	INCHES RECOVER	BLOWS/6" SAMPLER	OVA READING	WELL DETAIL	DEPTH (feet)	GRAPHIC LOG	
					0		Concrete.
					1		
					2		
			>1,000		3	SM	SILTY SAND: light yellowish brown (2.5Y 6/3), weak, dry, strong odor.
					4		
					5		
			>1,000		6	SM	SILTY SAND: light yellowish brown (2.5Y 6/3), moist, weak, pale olive staining, strong odor.
					7		Borehole terminated at 7.0' bgs.
					8		
					9		
					10		
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		





ETIC Engineering, Inc.

LOG OF SOIL BORING: **SB7**

COORDINATES:

ELEVATION TOP OF CASING:

CASING BELOW SURFACE:

CLIENT	SITE NUMBER	LOCATION
NESTLE		1310 14th Street Oakland, CA

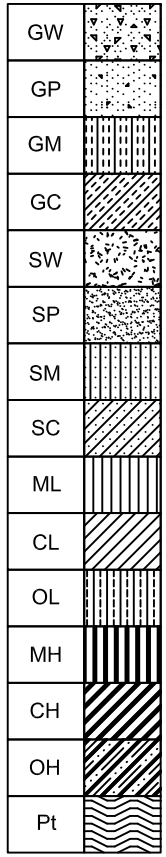
DRILLING AND SAMPLING METHODS: Geoprobe 5400 Subsurface Sampling System; 2" Sampler

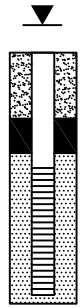
				DRILLING START	DRILLING FINISH
WATER LEVEL					
TIME				1400	1420
DATE				8/12/99	8/12/99
REFERENCE					

SURFACE CONDITIONS: Asphalt

DESCRIPTION BY: B. Campbell

INCHES DRIVEN	INCHES RECOVER	BLOWS/6" SAMPLER	OVA READING	WELL DETAIL	DEPTH (feet)	GRAPHIC LOG	
					0		Asphalt.
					1		
					2		
			195		3	SM	SILTY SAND: light yellowish brown (2.5Y 6/3), weak, moist, no odor.
					4		
					5		
			300		6	SM	Same as above.
					7		Borehole terminated at 7.0' bgs.
					8		
					9		
					10		
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		





ETIC Engineering, Inc.

LOG OF SOIL BORING: **SB8**

COORDINATES:

ELEVATION TOP OF CASING:

CASING BELOW SURFACE:

CLIENT	SITE NUMBER	LOCATION
NESTLE		1310 14th Street Oakland, CA

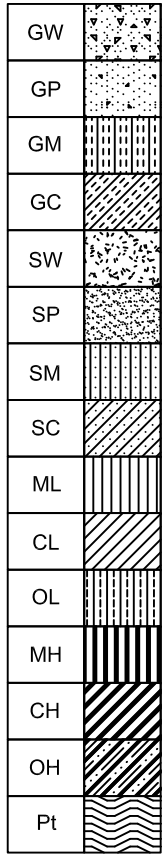
DRILLING AND SAMPLING METHODS: Geoprobe 5400 Subsurface Sampling System; 2" Sampler

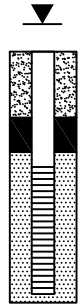
				DRILLING START	DRILLING FINISH
WATER LEVEL					
TIME				TIME 1500	TIME 1535
DATE				DATE 8/12/99	DATE 8/12/99
REFERENCE					

SURFACE CONDITIONS: Asphalt

DESCRIPTION BY: B. Campbell

INCHES DRIVEN	INCHES RECOVER	BLOWS/6" SAMPLER	OVA READING	WELL DETAIL	DEPTH (feet)	GRAPHIC LOG	
					0		Asphalt.
					1		
					2		
			120		3	SM	SILTY SAND: light yellowish brown (2.5Y 6/3), weak, moist, no odor.
					4		
					5		
			>1,000		6	SM	SILTY SAND: pale olive (5Y 6/3), weak, moist, strong odor.
					7		Borehole terminated at 7.0' bgs.
					8		
					9		
					10		
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		





ETIC Engineering, Inc.

LOG OF SOIL BORING: **SB9**

COORDINATES:

ELEVATION TOP OF CASING:

CASING BELOW SURFACE:

CLIENT	SITE NUMBER	LOCATION
NESTLE		1310 14th Street Oakland, CA

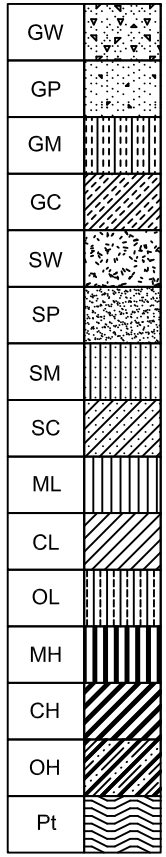
DRILLING AND SAMPLING METHODS: Geoprobe 5400 Subsurface Sampling System; 2" Sampler

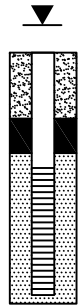
				DRILLING START	DRILLING FINISH
WATER LEVEL					
TIME				TIME 0830	TIME 0900
DATE				DATE 8/13/99	DATE 8/13/99
REFERENCE					

SURFACE CONDITIONS: Asphalt

DESCRIPTION BY: B. Campbell

INCHES DRIVEN	INCHES RECOVER	BLOWS/6" SAMPLER	OVA READING	WELL DETAIL	DEPTH (feet)	GRAPHIC LOG	
					0		Asphalt.
					1		
					2		
			150		3	SM	SILTY SAND: light yellowish brown (2.5Y 6/3), weak, dry, slight odor.
					4		
			>1,000		5		
					6	SM	SILTY SAND: pale olive (5Y 6/3), moist, weak, strong odor.
					7		Borehole terminated at 7.0' bgs.
					8		
					9		
					10		
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		





ETIC Engineering, Inc.

LOG OF SOIL BORING: **SB10**

COORDINATES:

ELEVATION TOP OF CASING:

CASING BELOW SURFACE:

CLIENT	SITE NUMBER	LOCATION
NESTLE		1310 14th Street Oakland, CA

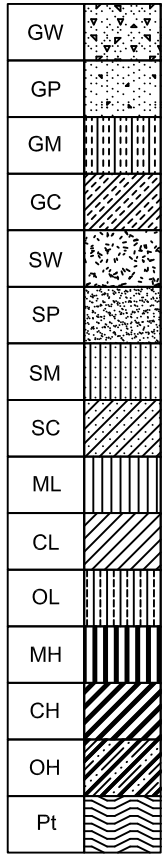
DRILLING AND SAMPLING METHODS: Geoprobe 5400 Subsurface Sampling System; 2" Sampler

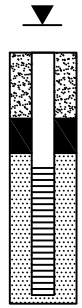
				DRILLING START	DRILLING FINISH
WATER LEVEL					
TIME				TIME 0905	TIME 0935
DATE				DATE 8/13/99	DATE 8/13/99
REFERENCE					

SURFACE CONDITIONS: Asphalt

DESCRIPTION BY: B. Campbell

INCHES DRIVEN	INCHES RECOVER	BLOWS/6" SAMPLER	OVA READING	WELL DETAIL	DEPTH (feet)	GRAPHIC LOG	
					0		Asphalt.
					1		
					2		
			620		3	SM	SILTY SAND: light yellowish brown (2.5Y 6/3), weak, dry, no odor.
					4		
					5		
			40		6	SM	SILTY SAND: pale olive (5Y 6/3), moist, weak, slight odor.
					7		Borehole terminated at 7.0' bgs.
					8		
					9		
					10		
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		





ETIC Engineering, Inc.

LOG OF SOIL BORING: **SB11**

COORDINATES:

ELEVATION TOP OF CASING:

CASING BELOW SURFACE:

CLIENT	SITE NUMBER	LOCATION
NESTLE		1310 14th Street Oakland, CA

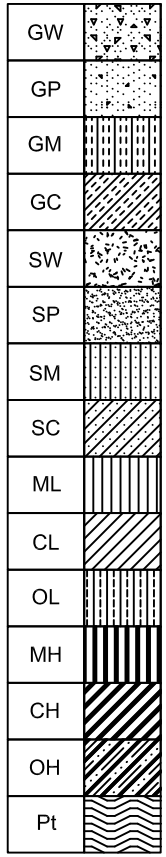
DRILLING AND SAMPLING METHODS: Geoprobe 5400 Subsurface Sampling System; 2" Sampler

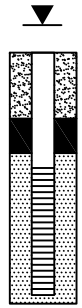
				DRILLING START	DRILLING FINISH
WATER LEVEL					
TIME				TIME 1050	TIME 1130
DATE				DATE 8/13/99	DATE 8/13/99
REFERENCE					

SURFACE CONDITIONS: Concrete

DESCRIPTION BY: B. Campbell

INCHES DRIVEN	INCHES RECOVER	BLOWS/6" SAMPLER	OVA READING	WELL DETAIL	DEPTH (feet)	GRAPHIC LOG	
					0		Concrete.
					1	SM	SILTY SAND: black (2.5/), weak, dry, slight odor.
					2		
					3	SM	SILTY SAND: light yellowish brown (2.5Y 6/3), weak, moist, slight odor.
			10		4		
					5		
					6	SM	Same as above.
			15		7		Borehole terminated at 7.0' bgs.
					8		
					9		
					10		
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		





ETIC Engineering, Inc.

LOG OF SOIL BORING: **SB12**

COORDINATES:

ELEVATION TOP OF CASING:

CASING BELOW SURFACE:

CLIENT	SITE NUMBER	LOCATION
NESTLE		1310 14th Street Oakland, CA

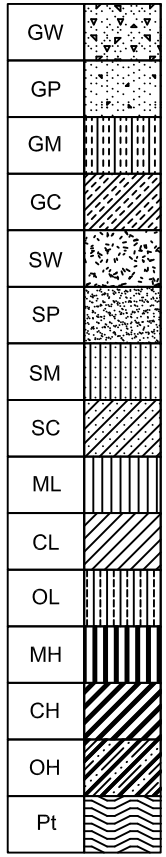
DRILLING AND SAMPLING METHODS: Geoprobe 5400 Subsurface Sampling System; 2" Sampler

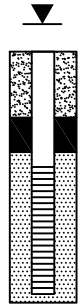
				DRILLING START	DRILLING FINISH
WATER LEVEL					
TIME				TIME 1545	TIME 1620
DATE				DATE 8/12/99	DATE 8/12/99
REFERENCE					

SURFACE CONDITIONS: Asphalt

DESCRIPTION BY: B. Campbell

INCHES DRIVEN	INCHES RECOVER	BLOWS/6" SAMPLER	OVA READING	WELL DETAIL	DEPTH (feet)	GRAPHIC LOG	
					0		Asphalt.
					1		
					2		
			100		3	SM	SILTY SAND: pale olive (5Y 6/3), weak, moist, very green.
			25		4		
					5		
			30		6	SM	SILTY SAND: light yellowish brown (2.5Y 6/3), weak, moist, no odor.
					7		Borehole terminated at 7.0' bgs.
					8		
					9		
					10		
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		





ETIC Engineering, Inc.

LOG OF SOIL BORING: **SB13**

COORDINATES:

ELEVATION TOP OF CASING:

CASING BELOW SURFACE:

CLIENT	SITE NUMBER	LOCATION
NESTLE		1310 14th Street Oakland, CA

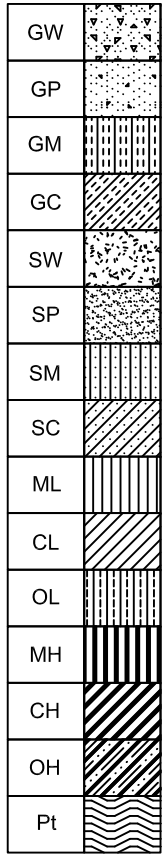
DRILLING AND SAMPLING METHODS: Geoprobe 5400 Subsurface Sampling System; 2" Sampler

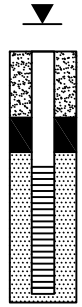
				DRILLING START	DRILLING FINISH
WATER LEVEL					
TIME				TIME 1015	TIME 1045
DATE				DATE 8/13/99	DATE 8/13/99
REFERENCE					

SURFACE CONDITIONS: Concrete

DESCRIPTION BY: B. Campbell

INCHES DRIVEN	INCHES RECOVER	BLOWS/6" SAMPLER	OVA READING	WELL DETAIL	DEPTH (feet)	GRAPHIC LOG	DESCRIPTION
					0		Concrete.
					1		
					2		
			400		3	SM	SILTY SAND: black (2.5/), weak, dry, slight odor.
					4		
					5		
			120		6	SM	SILTY SAND: pale olive (5Y 6/3) and light yellowish brown (2.5Y 6/3), medium plastic fines, dense, firm, moist, moderate odor.
					7		Borehole terminated at 7.0' bgs.
					8		
					9		
					10		
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		





ETIC Engineering, Inc.

LOG OF SOIL BORING: **SB14**

COORDINATES:

ELEVATION TOP OF CASING:

CASING BELOW SURFACE:

CLIENT	SITE NUMBER	LOCATION
NESTLE		1310 14th Street Oakland, CA

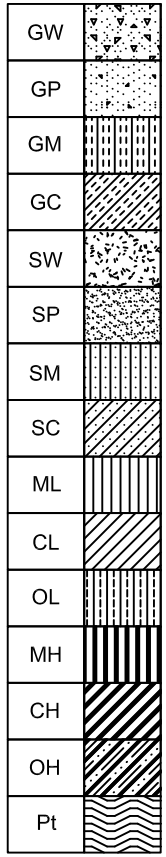
DRILLING AND SAMPLING METHODS: Geoprobe 5400 Subsurface Sampling System; 2" Sampler

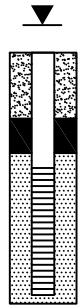
				DRILLING START	DRILLING FINISH
WATER LEVEL					
TIME				TIME 1425	TIME 1455
DATE				DATE 8/12/99	DATE 8/12/99
REFERENCE					

SURFACE CONDITIONS: Concrete

DESCRIPTION BY: B. Campbell

INCHES DRIVEN	INCHES RECOVER	BLOWS/6" SAMPLER	OVA READING	WELL DETAIL	DEPTH (feet)	GRAPHIC LOG	DESCRIPTION
					0		Concrete.
					1		
					2		
			50		3	SM	SILTY SAND: light yellowish brown (2.5Y 6/3), weak, moist, no odor.
					4		
					5		
			>1,000		6	SM	Same as above, strong odor.
					7		Borehole terminated at 7.0' bgs.
					8		
					9		
					10		
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		





ETIC Engineering, Inc.

LOG OF SOIL BORING: **SB15**

COORDINATES:

ELEVATION TOP OF CASING:

CASING BELOW SURFACE:

CLIENT	SITE NUMBER	LOCATION
NESTLE		1310 14th Street Oakland, CA

DRILLING AND SAMPLING METHODS: Geoprobe 5400 Subsurface Sampling System; 2" Sampler

				DRILLING START	DRILLING FINISH
WATER LEVEL					
TIME				TIME 1625	TIME 1650
DATE				DATE 8/12/99	DATE 8/12/99
REFERENCE					

SURFACE CONDITIONS: Asphalt

DESCRIPTION BY: B. Campbell

INCHES DRIVEN	INCHES RECOVER	BLOWS/6" SAMPLER	OVA READING	WELL DETAIL	DEPTH (feet)	GRAPHIC LOG	
					0		Asphalt.
					1		
					2		
			150		3	SW	WELL GRADED SAND WITH GRAVEL: dark grayish brown (2.5Y 4/2), weak, dry, subangular clasts, clasts up to 2.5 cm, no odor.
					4		
					5		
			--		6	SW	Same as above.
					7		Borehole terminated at 7.0' bgs.
					8		
					9		
					10		
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20