ConocoPhillips
76 Broadway
Sacramento, California 95818

June 3, 2009

Barbara Jakub
Alameda County Health Agency
1131 Harbor Bay parkway, Suite250
Alameda, California 94502-577

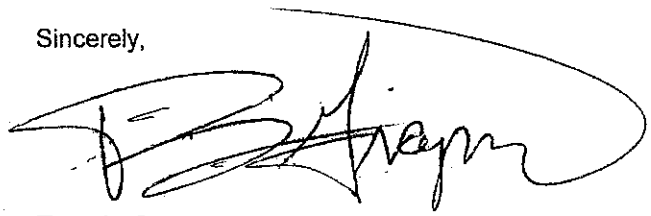
Re: ***Site Conceptual Model (SCM) Report***
76 Service Station # 5043 RO # 0219
449 Hegenberger Road
Oakland, CA

Dear Ms. Jakub:

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

If you have any questions or need additional information, please call me at (916) 558-7666.

Sincerely,



Terry L. Grayson
Site Manager
Risk Management & Remediation

June 2, 2009

Ms. Barbara Jakub, P.G.
Hazardous Materials Specialist
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

RE: SITE CONCEPTUAL MODEL
Delta Project No. I42705191
Fuel Leak Case No. RO0000219

DELTA

Dear Ms. Jakub:

On behalf of ConocoPhillips Company (COP), Delta Consultants (Delta) is submitting this *Site Conceptual Model* (see attached), as per your letter entitled *Fuel Leak Case No. R00000219 and GeoTracker Global ID T0600101476, UNOCAL #5043, 449 Hegenberger Road, Oakland, CA 94621*, dated April 3, 2009.

Service Station	**Location**
76 Service Station No. 5191/5043	449 Hegenberger Road Oakland, California

Sincerely,
DELTA CONSULTANTS

PROFESSIONAL GEOLOGIST
DENNIS SHANNON DETTLOFF
No. 7480
STATE OF CALIFORNIA

Dennis Dettloff, P.G.
Senior Project Manager
California Registered Professional Geologist No. 7480

cc: Mr. Terry Grayson, ConocoPhillips (electronic copy)

a member of: Inogen Environmental Alliance

11050 White Rock Road Suite 110 Rancho Cordova, California 95670 USA
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ConocoPhillips
Initial Site Conceptual Model
76 Service Station No. 5191/5043
449 Hegenberger Rd, Oakland, CA

Explanation of abbreviations at bottom of table

	DESCRIPTION	Data Tables	Graphics	References	Data Gaps	Work Necessary to fill data gap	Comments
Regional Setting	**Geology/Stratigraphy** The site is underlain by Holocene-age Bay Mud. The Bay Mud typically consists of unconsolidated, saturated clay and silty clay that is rich in organic material. The Bay Mud locally contains lenses and stringers of well-sorted silt, sand, and beds of peat. Based on the results of historical subsurface studies performed at the site, the site is underlain by artificial fill materials that extend to approximately 2 to 4.5 feet below grade. The fill materials are underlain by Bay Mud, which consists predominantly of organic-rich silty clay and clayey silt, with minor interbeds of sand, peat, sandy silt, and silty clay.		Site Locator Map (Figure 1) Surficial Geology (Figure 2)	*Continuing Ground Water Investigation and Quarterly Report* *Unocal Service Station #5043* *449Hegenberger Road Oakland, CA* Kaprealian Engineering, October, 1992 *Work Plan for Hydrogen Peroxide Injection*, Delta Consultants, January 2009			
	Hydrogeology The site is located with in the the East Bay Plain subbasin, which is within the Santa Clara Valley Groundwater Basin, which is within the San Francisco Bay Hydrologic Region. The East Bay Plain Subbasin is a northwest trending alluvial plain bounded on the north by San Pablo Bay, on the east by the contact with Franciscan Basement rock, on the south by the Niles Cone Groundwater Basin. The East Bay Plain Basin extends beneath San Francisco Bay to the west. Numerous creeks including San Pablo Creek, Wildcat Creek, San Leandro Creek, and San Lorenzo Creek flow from the western slope of the Coast Ranges westward across the plain and into the San Francisco and San Pablo bays (CRWQCB 1999). Average precipitation in the subbasin ranges from about 17 inches in the southeast to greater than 25 inches along the eastern boundary, most of which occurs between the months of November and March. The East Bay Plain subbasin aquifer system consists of unconsolidated sediments of Quaternary age. Deposits include the early Pleistocene Santa Clara Formation, the late Pleistocene Alameda Formation, the early Holocene Temescal Formation, and Artificial Fill. The cumulative thickness of the unconsolidated sediments is about 1,000 feet (CRWQCB 1999). The average specific yield of the basin was calculated to be about 6% (DWR 1994). Early Pleistocene Santa Clara Formation. The Santa Clara Formation consists of alluvial fan deposits inter-fingered with lake, swamp, river channel, and flood plain deposits. The formation ranges from 300 to 600 feet thick (CRWQCB 1999). Late Pleistocene Alameda Formation. The Alameda Formation includes a sequence of alluvial fan deposits bounded by mud deposits on top and bottom of the formation. The formation was deposited primarily in an estuarine environment and ranges from 26 to 245 feet thick (CRWQCB 1999). Early Holocene Temescal Formation. The Temescal Formation is an alluvial deposit consisting primarily of silts and clays with some gravel layers. The formation ranges from 1 to 50 feet thick (CRWQCB 1999).		Subbasin Map 1 (Figure 3) Hygrogeologic Sections Locations (Figure 4) Generalized Hydrologic Sections (Figure 5)	*San Francisco Bay Hydrologic Region*, California's Groundwater, DWR Bulletin 118, Updated 2003 *Hydrogeology and Geochemistry of Auquifers Underlying the San Lorenzo and San Leandro Areas of the East Bay Plain, Alameda County, California*, Water Resources Investigation Report 02-4259 *Santa Clara Valley Groundwater Basin, East Bay Plain Subbasin,* San Francisco Bay Hydrologic Region, Santa Clara Valley Groundwater Subbasin, California's Groundwater Bulletin 118, Updated February 2004			

	DESCRIPTION	Data Tables	Graphics	References	Data Gaps	Work Necessary to fill data gap	Comments
	Artificial Fill is found mostly along the bay front and wetlands areas and is derived primarily from dredging as well as quarrying, construction, demolition debris, and municipal waste. The fill ranges from 1 to 50 feet with the thickest deposits found nearer the Bay (CRWQCB 1999). Historic water levels in the deep (more than 500 feet) aquifer in the basin have varied between –10 to –140 feet mean sea level since the early 1950's. The low water level was reached in about 1962. Shallower aquifers have a much less pronounced water level decline. The historical low water level for aquifers at a depth of about 250 feet bgs since 1950 has been about –30 feet msl. Water levels rose about 5 feet per year between 1965 and 1980. Water levels have been rising continuously since then, but at a less rapid rate. As of 2000 water levels are very near surface in all aquifers. The most recent monitoring and sampling event was conducted at the site on March 27, 2009. The measured depth to groundwater ranged from 4.0 feet to 2.01 feet below TOC. The groundwater flow direction was south with a hydraulic gradient of 0.02 feet per foot.			*Quarterly Monitoring Report - January through March, 2009*, TRC, April 15, 2009	MW-1 and MW-2 were removed during excavation activities and were never replaced.	Advance borings in the area of MW-1 and MW-2.	The work plan being submitted with this SCM will include advancing borings in the vicinity of MW-1 and MW-2.
	Preferential Pathways Sensitive Receptor Survey TRC conducted a sensitive receptor survey, dated April 24, 2006. They discovered 3 wells in the vicinity, two irrigation wells and an industrial well. Both irrigation wells (Well 1 and Well 2) are located within the path of local groundwater now. Therefore, they are potential sensitive receptors. However, based on the distance from the site (greater than 1,000 feet), these wells are unlikely to be impacted by the site hydrocarbon plume. The industrial well (Well 3) is not located in the path of local groundwater flow and is therefore not considered a potential sensitive receptor. Both San Leandro Creek and Elmhurst Creek are considered potential sensitive receptors because they are located within one-half mile of the site. However, due to the location of San Leandro Creek and its distance from the site, the water body is unlikely to be impacted by the hydrocarbon plume present at the site. Likewise, the threat to Elmhurst Creek is minimal due to wells location north of the Site. A site map showing the locations of underground utilities (Figure 7) was created after gathering utility information from the utility companies. The depths of the utilities were not disclosed at the time of the inquiry. It is not clear at this time whether or not the utility trenches are acting as preferential pathways.	Sensitive Receptor Table (Table 1)	Sensitive Receptor Locator Map (Figure 6) Site Map w/ Underground Utility Locations (Figure 7)	*Sensitive Receptor Survey*, TRC, April 2006	While there is a map showing the underground utilities, there is not a underground utility survey report which details the depths of the utilities compared with depths to groundwater. This makes is difficult to tell if the utility trenches will be preferential pathways.	Perform a Underground Utility Survey	The work plan being submitted with this SCM will include conducting an underground utility survey to verify the depths of utilities.
	Nearby Release Sites Ryder Truck Rental 8001 Oakport St, Oakland, CA. Closed truck rental facility 0.4 miles northwest of the site. Case closed as of 1/20/2000. Caltrans 555 Hegenberger Rd, Oakland, CA. Operating Caltrans facility 0.6 miles north of the site at the corner of Hegenberger Rd and S. Colliseum Way. Case Open. Superior Tiles 7801 Oakport St, Oakland, CA. Closed tile retail store 0.48 miles northwest of of the site at the corner of Oakport St and Roland Way. Case closed as of 8/1/1994. Precision Trucking School 300 Hegenberger Loop, Oakland, CA. Operating truck driving school 0.12 miles east of the site at the		Nearby Release Map (Figure 8) Regulatory History – Nearby Release Sites (Appendix A)	Google Earth GeoTracker Database			

	DESCRIPTION	Data Tables	Graphics	References	Data Gaps	Work Necessary to fill data gap	Comments
	intersection of Hegenberger Loop and Hegenberger Ct. Case Open. TD Rowe 8134 Capwell Dr, Oakland, CA. Operating amusement park management company 0.3 miles northwest of the site 300 yards north of Pendleton Way on Capwell Dr. Case closed as of 2/14/2006. IMO Industries, Inc 550 85th Ave, Oakland, CA. Operating industrial manufacturer 0.45 miles northeast of the site on 85th Ave between Enterprise Way and Edes Ave. Case Open. Chevron#9-1851 451 Hegenberger Rd, Oakland, CA. Operating fuel service station 0.05 miles north of the site, across Edgewater Dr. Case Open. United Parcel Service 8400 Pardee Dr, Oakland, CA. Operating UPS transfer station 0.4 miles southwest of the site near the intersection of Pardee Dr and Swan Way. Case Open. BOC Group, Inc 8383 Capwell Dr, Oakland, CA. Operating oxygen gas and electronics manufacturer 0.26 miles west of the site 180 yards north of Pendleton Way of Capwell Dr. Case closed as of 6/9/1993. Marriot Corporation Oakland Courtyard 265 Hegenberger Rd, Oakland, CA. Operating hotel 0.1 miles southeast of the site on Hegenberger Rd, inside the Hegenberger Loop. Case Open. Union Bank 460 Hegenbgerger Loop, Oakland, CA. Operating banking office space 0.6 mile northeast of the site at the corner of Hegenberger Rd and Hegenberger Loop. Case closed as of 10/4/1994. Shell#13-5691 285 Hegenberger Rd, Oakland, CA. Operating fuel service station 0.24 miles south of the site at the corner of Hegenberger Dr and Leet Dr. Case Open. Pacific Bell 295 Hegenberger Rd, Oakland, CA. Operating phone company building 0.22 miles south of the site at the corner of Hegenberger Rd and Hegernberger Loop. Case closed as of 5/14/1996. General Tire 240 Hegenberger Rd. Closed tire retail center 0.36 miles south of the site at the corner of Hegenberger Rd and Hegenberger Place. Case closed as of 7/21/1995. Paramount Pest Control 20 Hegenberger Place, Oakland, CA. Closed pest control company 0.39 miles south of the site 100 yards from Hegenberger Rd on Hegenberger Place. Case closed as of 3/8/1995. Diablo Cellular 106-110 Hegenberger Rd, Oakland, CA. Closed cellular phone provider 0.49 miles southwest of the site at the corner of Hegenberger Rd and Airport Access Rd. Case closed as of 11/14/2001.						

	DESCRIPTION	Data Tables	Graphics	References	Data Gaps	Work Necessary to fill data gap	Comments
Site Setting	**Site Geology** Based on review of regional geologic maps (U.S. Geological survey Professional Paper 943 "Flatland Deposits - Their Geology and Engineering Properties and Their Importance to Comprehensive planning" by E.J. Helley and K.R. Lajoie, 1979), the subject site is underlain by Holocene-age Bay Mud (Qhbm). The bay Mud typically consists of unconsolidated, saturated clay and silty clay that is rich in organic material. The Bay Mud locally contains lenses and stringers of well-sorted silt, sand, and beds of peat. The subsurface soils exposed during the excavation activities that were conducted at the site during March and April 1995, consisted primarily of sandy clayey silt and clayey sandy silt. On March 7, 1995, ground water was initially encountered in the fuel tank pit excavation at a depth of 8.5 feet below grade. On March 15, 1995, following excavation activities in the fuel tank pit, ground water was observed at a depth of approximately 15 feet below grade, On April 19, 1995 ground water was observed to stabilize in the conductor casing located at the northwest corner of the fuel tank pit at a depth of about 10 feet below grade (after purging approximately 95,000 gallons). Based on the results of our subsurface studies, the site is underlain by artificial fill materials that extend to approximately 2 to 5.75 feet below grade. The fill materials are underlain by Bay Mud, which consists predominantly of organic-rich silty clay and clayey silt, with minor interbeds of sand, peat, sandy silt, and silty clay. As of May 1997, the unsaturated zone underneath the site is approximately 1 to 4.5 feet thick.		Boring Logs (Appendix B) Cross Section A – A' (Figure 9) Cross Section B – B' (Figure 10)	*Preliminary Groundwater Investigation Unocal Service Station #5043*, KEI, March 26, 1992 *Continuing Groundwater Investigation and Quarterly Report Unocal Service Station #5043*, KEI, October 12, 1992 *Continuing Groundwater Investigation at Unocal Service Station #5043*, KEI, October 13, 1997 *Soil Sampling Report and Continuing Groundwater Investigation at Unocal Service Station #5043*, KEI, June 2, 1995			
	Groundwater Conditions Depth to groundwater was initially measured during drilling at between 2 and 7 fbg for MW-1 through 10. Following completion and development, the first recorded depth to static groundwater for wells MW-1 through MW-10 was 2.36, 2.75, 3.10, 5.49, 11.07, 12.50, 3.65, 3.30, 1.38, and 3.53 feet below TOC, respectively. Current static groundwater levels from the most recent sampling event (March 27, 2009) range from 2.01 to 4 feet below TOC. The groundwater flow direction has fluctuated over the years between southeast and southwest. The gradient recorded in the most recent sampling event was 0.005 ft/ft southeast.		Groundwater Flow Rose Diagram (Figure 11)	Historical Quarterly Monitoring Reports – 1992 through 2009			
	Source Area September 1994 – One 280-gallon waste oil UST was removed from the site. The tank was made of steel and no apparent holes or cracks were observed in the tank.						
	Dissolved Plume Petroleum hydrocarbon concentrations in groundwater samples have varied over the course of monitoring at the site, generally decreasing with time. Historic Levels The highest recorded TPHg level was a concentration of 3,000,000 µg/L in MW-6 in March 1993. The highest recorded Benzene level was a concentration of 28,000 µg/L in MW-6 in December 2007. The highest recorded MTBE level was a concentration of 16,000 µg/L in	Groundwater Analytical Tables (Appendix C)	Site Maps w/ Contamination Contours (Appendix D) Contamination vs Time Graphs (Appendix E)	*Quarterly Monitoring Report – January through March 2009*, TRC, April 2009			

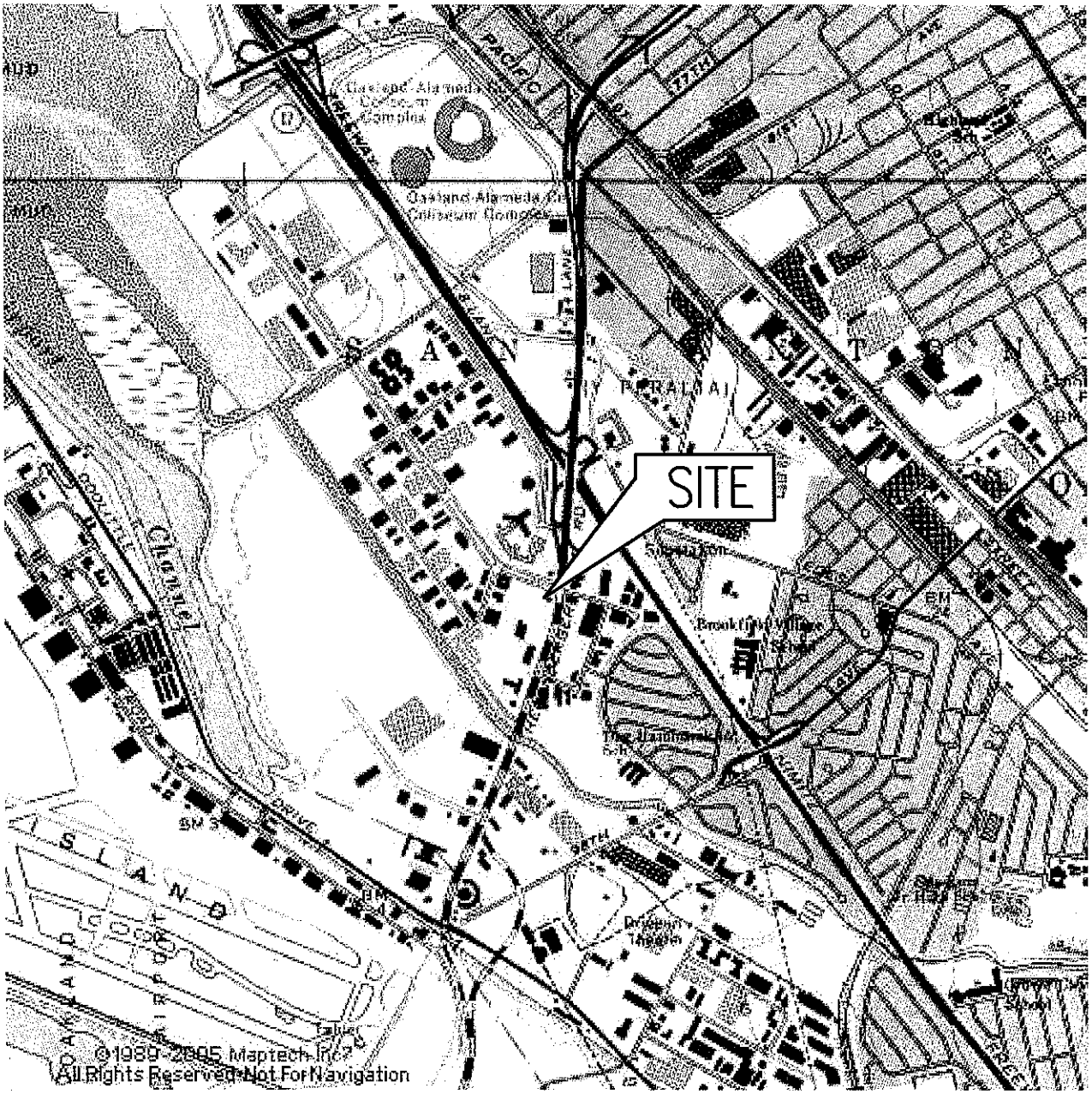
	DESCRIPTION	Data Tables	Graphics	References	Data Gaps	Work Necessary to fill data gap	Comments
	December 2007. In the past 8 quarters, the maximum concentrations for TPHg, Benzene, and MTBE, respectively, have been: MW-3: 390 µg/L, ND, 120 µg/L MW-6: 210,000 µg/L, 28,000 µg/L, 16,000 µg/L MW-7: ND, ND, 0.54 MW-8: ND, ND, ND MW-9: ND, ND, 4.9 MW-10: 210 µg/L, 30 µg/L, ND The most recent sampling event, on March 27, 2009 showed maximum concentrations of TPHg, Benzene, and MTBE of 150,000 µg/L (MW-6), 1,300 µg/L (MW-6), and 50 µg/L (MW-3), respectively.						
	Remediation October 1991 Four soil samples were collected from the product pipe trenches at depths of approximately 3 feet bgs during a dispenser island modification. The product pipe trenches were subsequently excavated to the groundwater depth at 4 to 4.5 bgs. February 1992 Three monitoring wells (MW-1 to MW-3) were installed at the site to depths ranging from 13.5 to 15 feet bgs. August 1992 Three additional monitoring wells (MW-4 to MW-6) were installed at the site to depths of 13.5 feet bgs. September 1994 One 280-gallon waste oil UST was removed from the site. The tank was made of steel, and no apparent holes or cracks were observed in the tank. One soil sample was collected from beneath the former tank at a depth of approximately 9 feet bgs. No petroleum hydrocarbons were reported. January 1995 Two additional monitoring wells (MW-7 and MW-8) were installed at the site to a depth of 13 feet bgs. In addition, two existing monitoring wells (MW-4 and MW-5) were destroyed in order to accommodate the construction of a car wash at the subject site. These monitoring wells were fully drilled out and backfilled with neat cement. March 1995 Two 10,000-galion gasoline USTs and one 10,000-galion diesel UST were removed from the site. Groundwater was encountered in the tank cavity at a depth of approximately 8.5 feet bgs. Soil samples contained low levels of TPHd and benzene, and moderate levels of TPHg. Approximately 125,000 gallons of groundwater were pumped from the site for remediation and properly disposed offsite. Four dispenser islands and associated product piping were also removed. Based on detections in confirmation samples, the product dispenser islands were over excavated to approximately 6 feet bgs. MW-1 and MW-2 were destroyed during the UST and product piping replacement project. These wells were fully drilled out and backfilled with engineered fill. March-April 1995 During demolition activities of the former station building, soil samples were collected from two excavations, which were subsequently over excavated. Confirmation samples contained low petroleum hydrocarbons. An additional area on the south side of the former station building was excavated based on photoionization detector (PID) readings. Two monitoring wells were destroyed in order to allow for over excavation activities to extend to an area adjacent to	Soil Analytical Tables (Appendix F)		*Soil Sampling Report and Continuing Groundwater Investigation at Unocal Service Station #5043*, KEI, June 2, 1995 *Continuing Groundwater Investigation at Unocal Service Station #5043*, KEI, October 13, 1997	Vertical delineation of contaminants has not been established.	Advance soil borings for vertical delineation.	The work plan being submitted with this SCM will include advancing soil borings for the purpose of vertical delineation.

	DESCRIPTION	Data Tables	Graphics	References	Data Gaps	Work Necessary to fill data gap	Comments
	the dispenser islands in the southeastern quadrant of the site. The excavated areas were subsequently backfilled with clean engineered fill. April 1997 Two additional monitoring wells were installed in the vicinity of the site to depths of 13 to 15 feet bgs. In addition, well MW-3, which was damaged during the UST cavity over excavation in 1995, was fully drilled out and reconstructed in the same borehole. October 2003 Site environmental consulting responsibilities were transferred to TRC. April 2005 TRC conducted a 24-hour dual phase extraction (OPE) event at the site on monitoring well MW-6. The 24-hour OPE event was moderately successful at removing vapor-phase petroleum hydrocarbons from the subsurface; therefore, TRC recommended OPE no longer be considered a viable remedial alternative for the site. October 2007 Site environmental consulting responsibilities were transferred to Delta Consultants.						
	Evaluation of potential impacts to water supply wells Both irrigation wells (Well 1 and Well 2) are located within the path of local groundwater flow; therefore they are potential sensitive receptors. However, based on the distance from the site (greater than 1,000 feet), these wells are unlikely to be impacted by the site hydrocarbon plume. The industrial well (Well 3) is not located in the path of local groundwater flow and is therefore not considered a potential sensitive receptor. Both San Leandro Creek and Elmhurst Creek are considered potential sensitive receptors because they are located within one-half mile of the site. However, due to the location of San Leandro Creek and its distance from the site, the water body is unlikely to be impacted by the hydrocarbon plume present at the site. Likewise, the threat to Elmhurst Creek is minimal due to its location north of the site. Both water bodies locations are shown on figure 2.			*Sensitive Receptor Survey*, TRC, April 2006			
	Work Plans A work plan is currently being prepared to address data gaps indicated above.						

Abbreviations

DWR = California Department of Water Resources
TPHg = Total Petroleum Hydrocarbons as Gasoline
TPHd = Total Petroleum Hydrocarbons as Diesel
MTBE = methyl tert-butyl ether
Blvd. = Boulevard
Ave. = Avenue
bgs = below ground surface
bg = below grade
fbg = feet below grade
µg/l = micrograms per liter
TOC = top of casing
ft/ft = foot per foot
ND = non detect

Figures



North

0 900 1800 FT

SCALE

SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP, SAN LEANDRO QUADRANGLE (1973)

SCM

FIGURE 1

SITE LOCATION MAP

76 SERVICE STATION #5043
449 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

PROJECT NO. C105043	DRAWN BY JH 01/06/09
FILE NO. 5043-SiteLocator	PREPARED BY AB
REVISION NO.	REVIEWED BY JR

DELTA®

DESCRIPTION OF UNITS

⚒ GRAVEL PITS

Qsc STREAM CHANNEL MATERIAL -- Mainly loose, well-sorted sand and gravel. This material is presently being transported during periods of normal runoff.

Qyf YOUNGER ALLUVIAL FAN DEPOSITS -- Includes colluvial fill in narrow canyons. Unconsolidated, moderately sorted, permeable fine sand and silt, with gravel becoming more abundant toward fan heads and within canyons. Forms well-drained levees which grade headward to stream deposits on terraces cut in Qof. Thickness varies from as much as 50 feet at fan heads and in canyons to about 20 feet where Qyf interfingers with Qyfo and Qb at the outer margins of fans. Locally contains aboriginal artifacts and skeletal remains.

Qyfo YOUNGER FLUVIAL DEPOSITS -- Unconsolidated deposits of fine, but variable grain size--mainly fine sand, silt, and silty clay; intermediate in character and lateral extent between Qb and Qyf. Forms levees and overbank deposits along the San Francisco Bay margin and in Livermore Valley, as well as valley fill in some open canyons. May be in part windblown in the southwestern part of the county. Generally less than 15 feet thick. Overbank deposits locally contain minor amounts of organic matter including fresh-water gastropods and pelecypods.

Qb INTERFLUVIAL BASIN DEPOSITS -- Plastic, poorly sorted, organic-rich clay and silty clay in poorly drained areas marginal to the bay and in Livermore Valley. Interfingers with Qyf, Qyfo, and recent mud of San Francisco Bay. Generally less than 10 feet thick. Locally contains fresh-water gastropods and pelecypods.

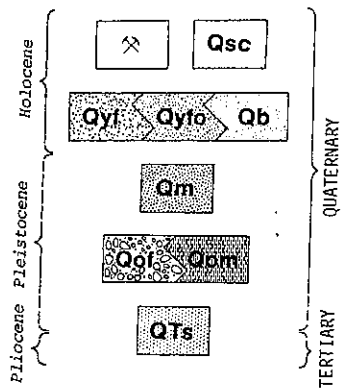
Qm MERRITT SAND -- Loose, fine-grained, very well sorted beach and windblown sand at Alameda Island and adjacent bay margin near Oakland (Lawson, 1914).

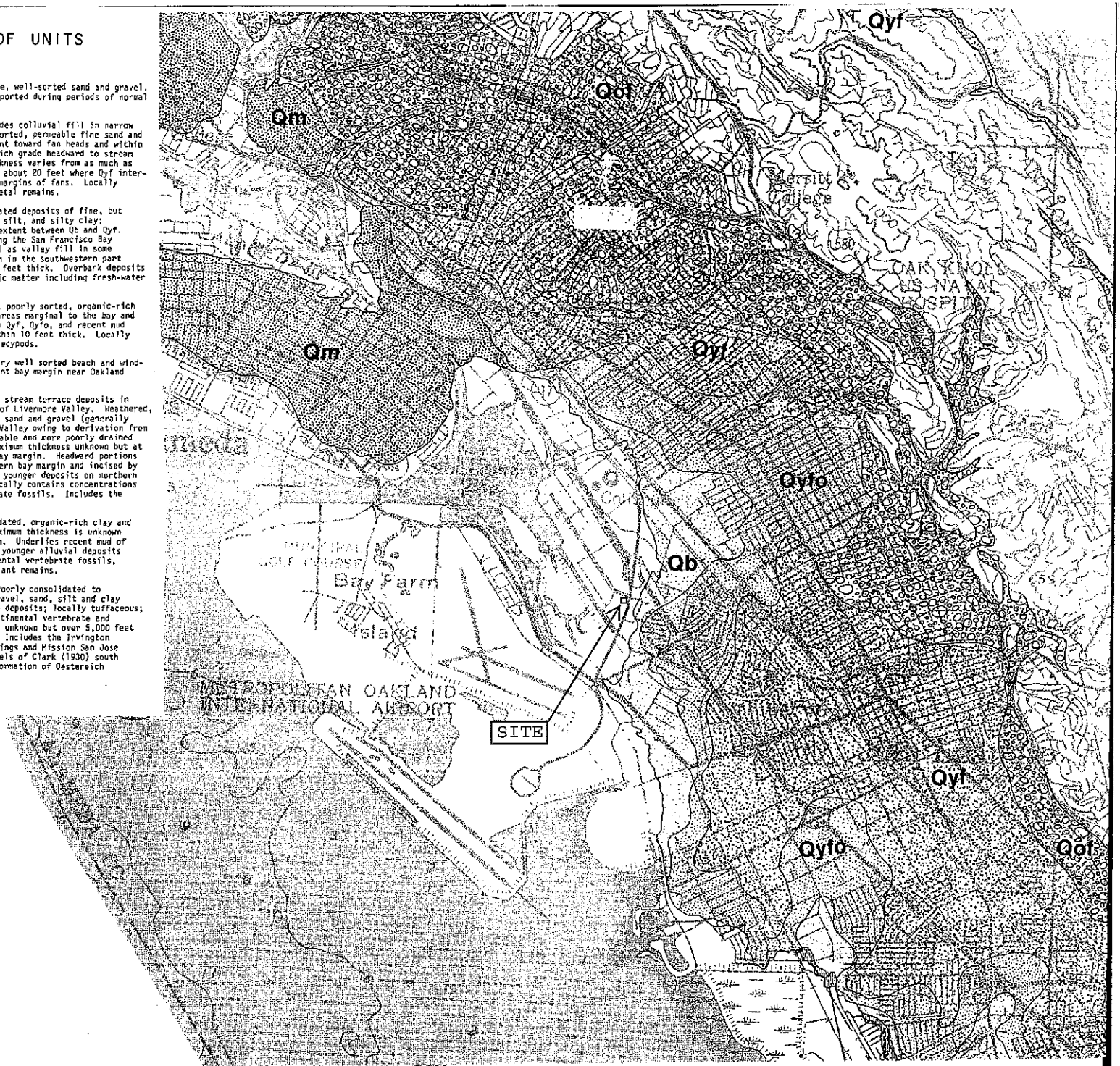
Qof OLDER ALLUVIAL FAN DEPOSITS -- Includes stream terrace deposits in some narrow canyons and on the margins of Livermore Valley. Weathered, weakly consolidated, poorly sorted silt sand and gravel (generally fine grained in northeastern Livermore Valley owing to derivation from friable sandstone bedrock). Less permeable and more poorly drained than younger alluvial fan deposits. Maximum thickness unknown but at least several hundred feet thick near bay margin. Headward portions overlapped by younger deposits on southern bay margin and incised by channels that are partially filled with younger deposits on northern bay margin and in Livermore Valley. Locally contains concentrations of continental vertebrate and invertebrate fossils. Includes the San Antonio Formation of Lawson (1914).

Qom OLDER MUD -- Dark, plastic, semiconsolidated, organic-rich clay and silty clay. Interfingers with Qof. Maximum thickness is unknown but greater than 50 feet near bay margin. Underlies recent mud of San Francisco Bay and locally underlies younger alluvial deposits on bay margin. Locally contains continental vertebrate fossils, fresh-water invertebrate fossils, and plant remains.

QTs DEFORMED OLDER SEDIMENTARY DEPOSITS -- Poorly consolidated to semiconsolidated alluvial deposits of gravel, sand, silt and clay with subordinate fine-grained lacustrine deposits; locally tuffaceous; locally contains abundant remains of continental vertebrate and invertebrate fossils. Maximum thickness unknown but over 5,000 feet in the hills south of Livermore Valley. Includes the Irvington Gravels of Savage (1951) in the Warm Springs and Mission San Jose districts of Fremont, the Livermore Gravels of Clark (1930) south of Livermore Valley, and the Tassajara Formation of Oestereich (1958) north of Livermore Valley.

CORRELATION OF UNITS





SCM

FIGURE 2

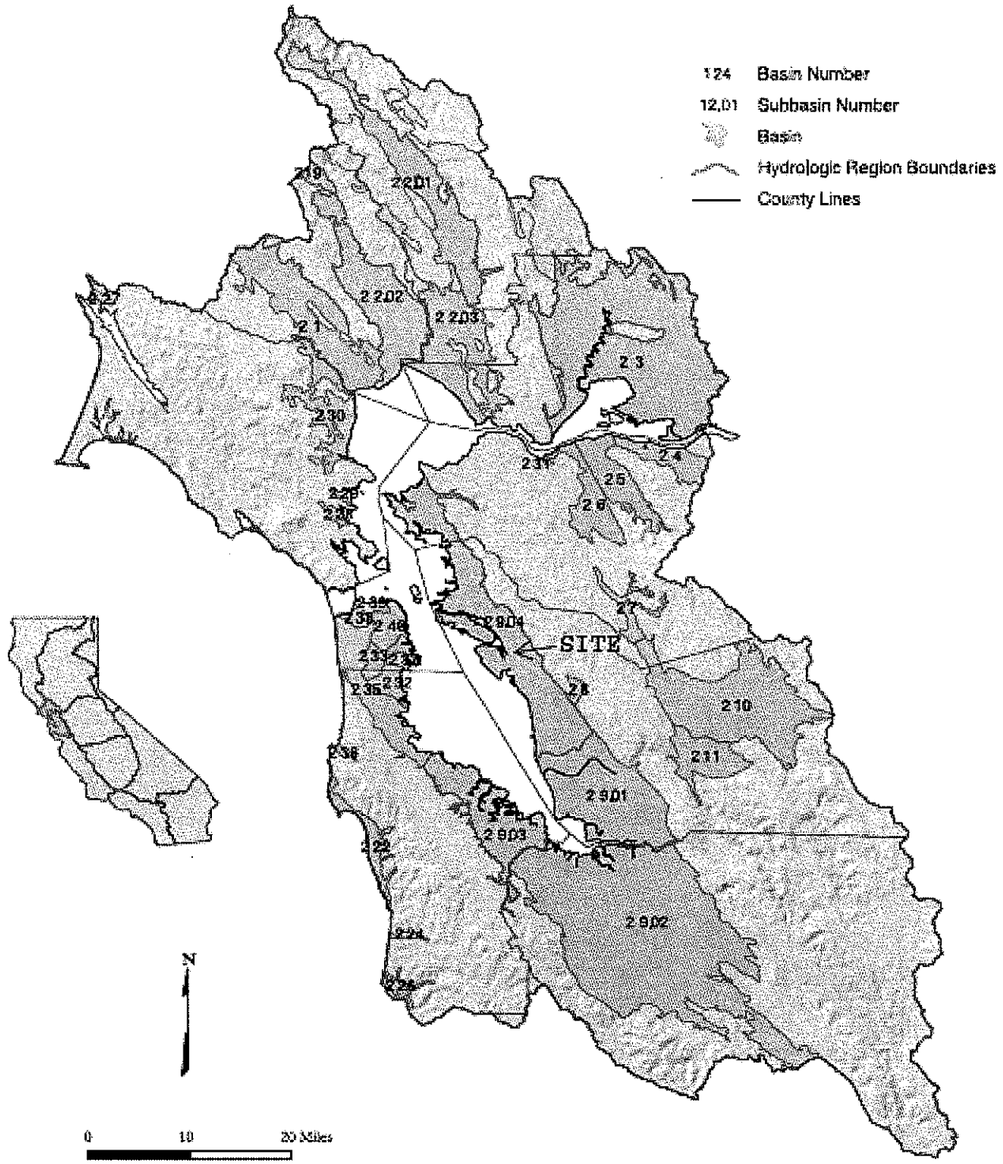


Figure 27 San Francisco Bay Hydrologic Region

SCM
FIGURE 3

Basins and Subbasins of the San Francisco Bay Hydrologic Region

Basin/subbasin	Basin name
2-1	Petaluma Valley
2-2	Napa-Sonoma Valley
2-2.01	Napa Valley
2-2.02	Sonoma Valley
2-2.03	Napa-Sonoma Lowlands
2-3	Suisun-Fairfield Valley
2-4	Pittsburg Plain
2-5	Clayton Valley
2-6	Ygnacio Valley
2-7	San Ramon Valley
2-8	Castro Valley
2-9	Santa Clara Valley
2-9.01	Niles Cone
2-9.02	Santa Clara
2-9.03	San Mateo Plain
2-9.04	East Bay Plain
2-10	Livermore Valley
2-11	Sunol Valley
2-19	Kenwood Valley
2-22	Half Moon Bay Terrace
2-24	San Gregorio Valley
2-26	Pescadero Valley
2-27	Sand Point Area
2-28	Ross Valley
2-29	San Rafael Valley
2-30	Novato Valley
2-31	Arroyo Del Hambre Valley
2-32	Visitacion Valley
2-33	Islais Valley
2-35	Merced Valley
2-36	San Pedro Valley
2-37	South San Francisco
2-38	Lobos
2-39	Marina
2-40	Downtown San Francisco

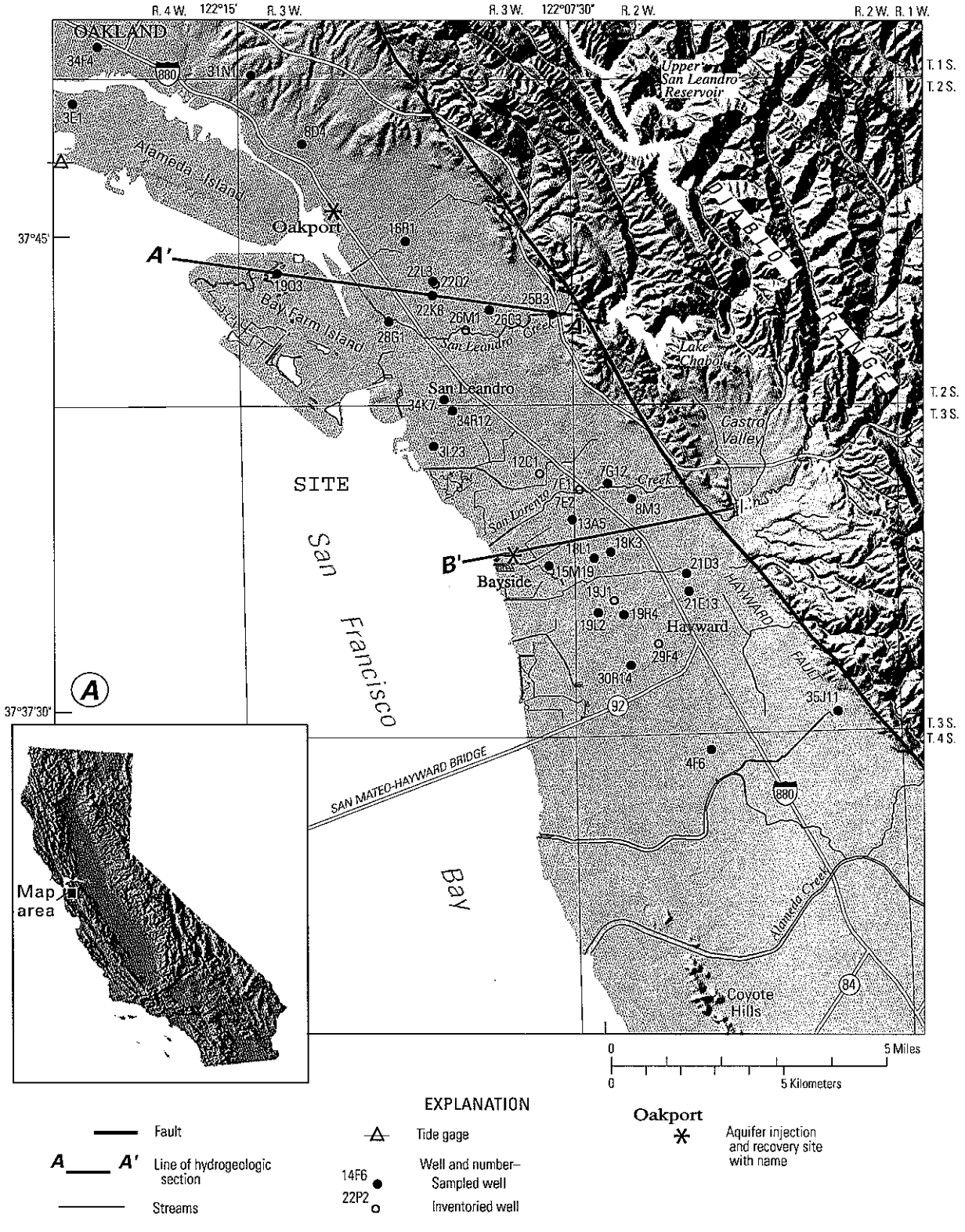


Figure 2. Location of study area, selected wells, and hydrogeologic sections; and selected wells at the Oakport injection/recovery and Bayside injection/recovery sites, East Bay Plain, Alameda County, California.

SCM

FIGURE 4

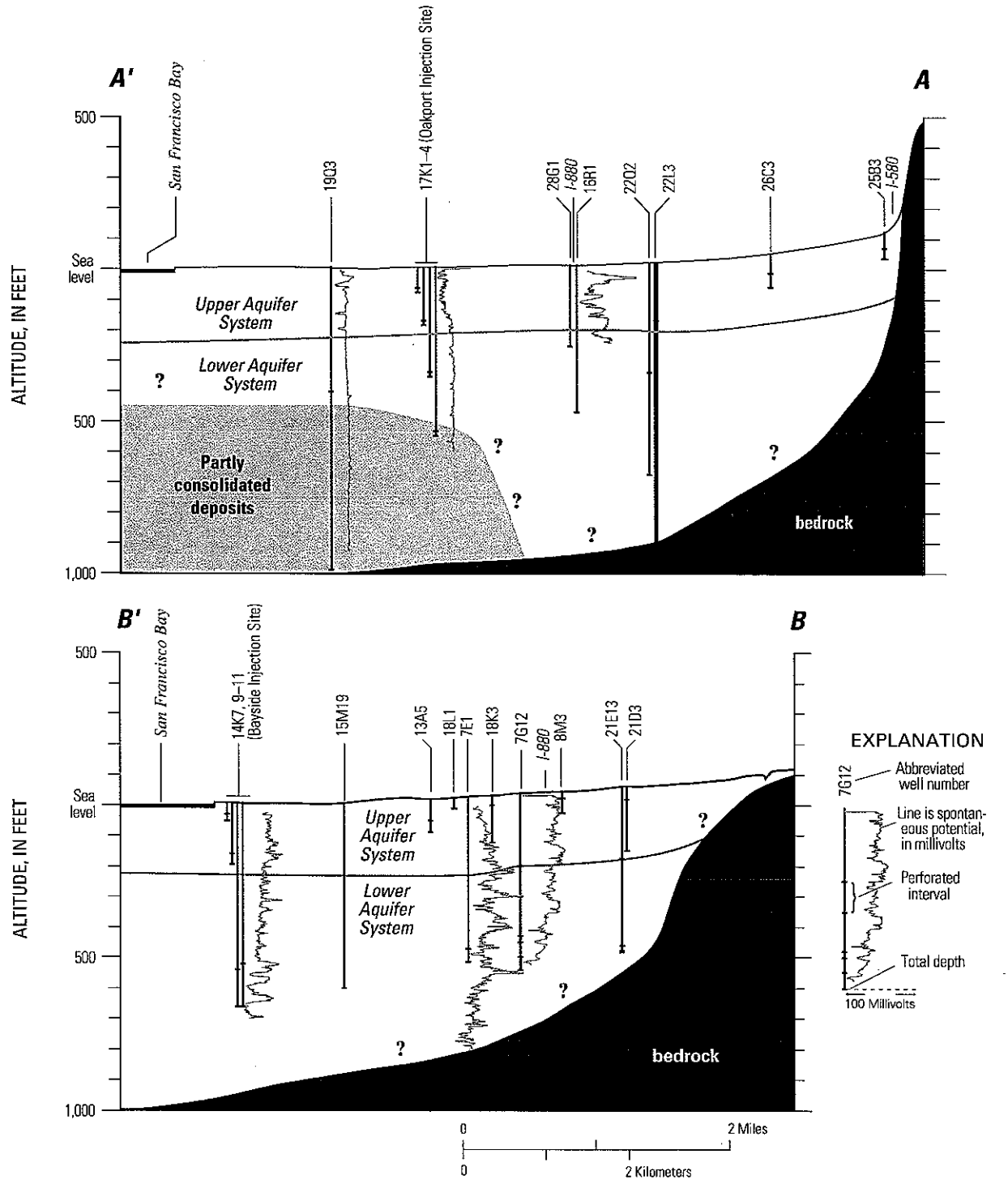
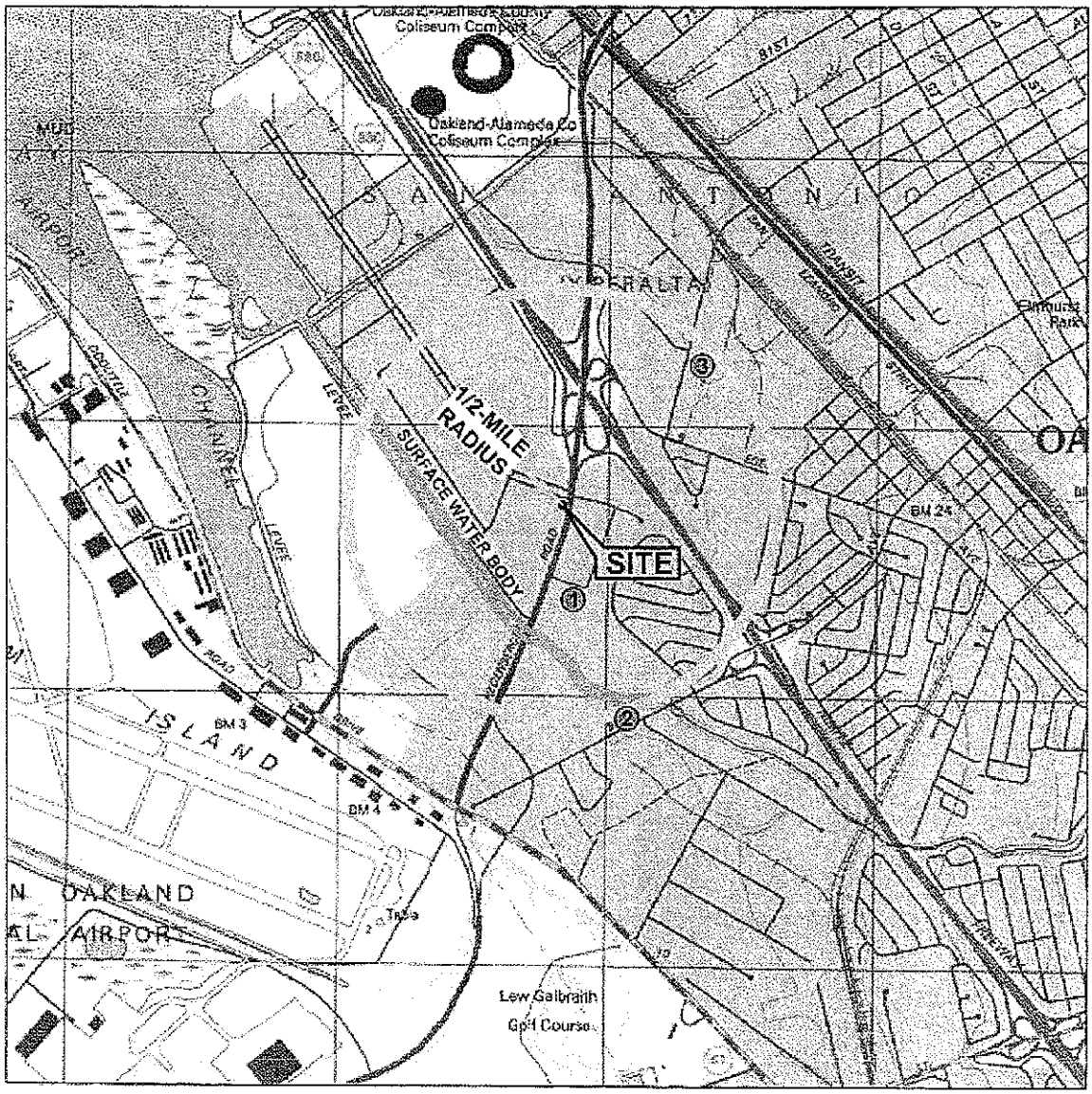


Figure 3. Generalized hydrogeologic sections *A–A'* and *B–B'*, East Bay Plain, Alameda County, California.

SCM

FIGURE 5



SCALE 1 : 24,000

SOURCE:
United States Geological Survey
7.5 Minute Topographic Maps:
San Leandro Quadrangle, California

OWNERS OF IRRIGATION WELLS:

① W.E. Lyons Construction
② Ratto Brothers, Inc.
③ Delavel Turbine, Inc.

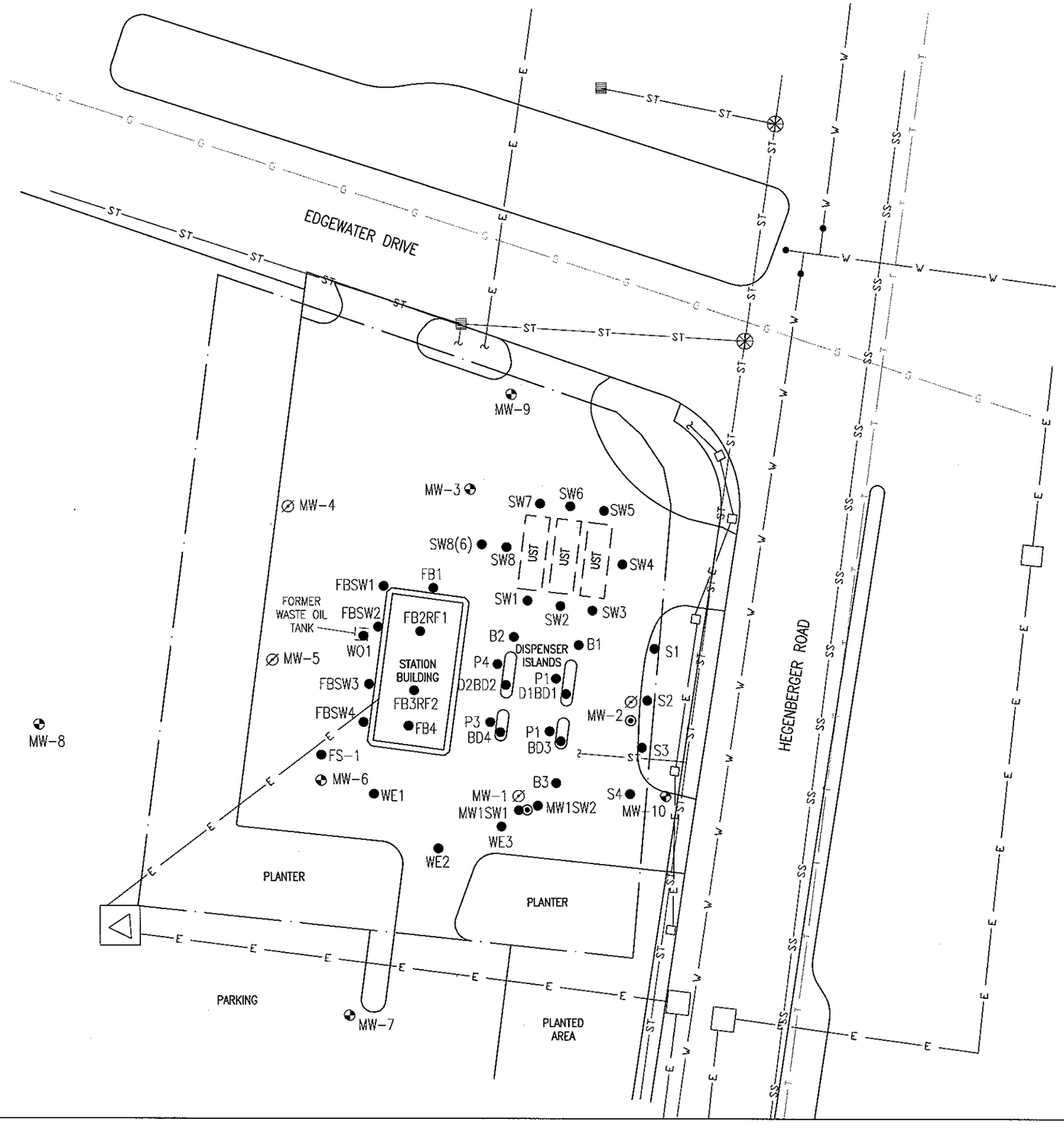
SCM

FIGURE 6

SENSITIVE RECEPTORS WITHIN HALF-MILE OF SITE

76 Service Station #5043
449 Hegenberger Road
Oakland, California

TRC | FIGURE 1



LEGEND

- MW- MONITORING WELL
- ⊘ MW- ABANDONED MONITORING WELL
- ● SOIL SAMPLE LOCATION
- APPROXIMATE PROPERTY LINE
- T TELEPHONE
- SS SEWER
- W WATER
- ST STORM DRAIN
- E ELECTRIC
- G GAS

North

0 40

SCALE IN FEET

FIGURE 7
SITE MAP WITH UTILITIES

76 SERVICE STATION #5191/5043
449 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
142705191	EW	DR/JH
DATE	REVIEWED BY	FILE NAME
06/02/09	DD	C10504300sm

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MAP OF NEARBY RELEASE SITE LOCATIONS

A - Caltrans

B - Superior Tile

C - Ryder Truck Rental

D - IMO Industries, Inc

E - TD Rowe

F - BOC Group, Inc

G - Chevron# 9-1851

H - Union Bank

I - Precision Trucking School

J - Oakland Courtyard Marriot

K - United Parcel Service

L - Shell# 13-5691

M - Pacific Bell

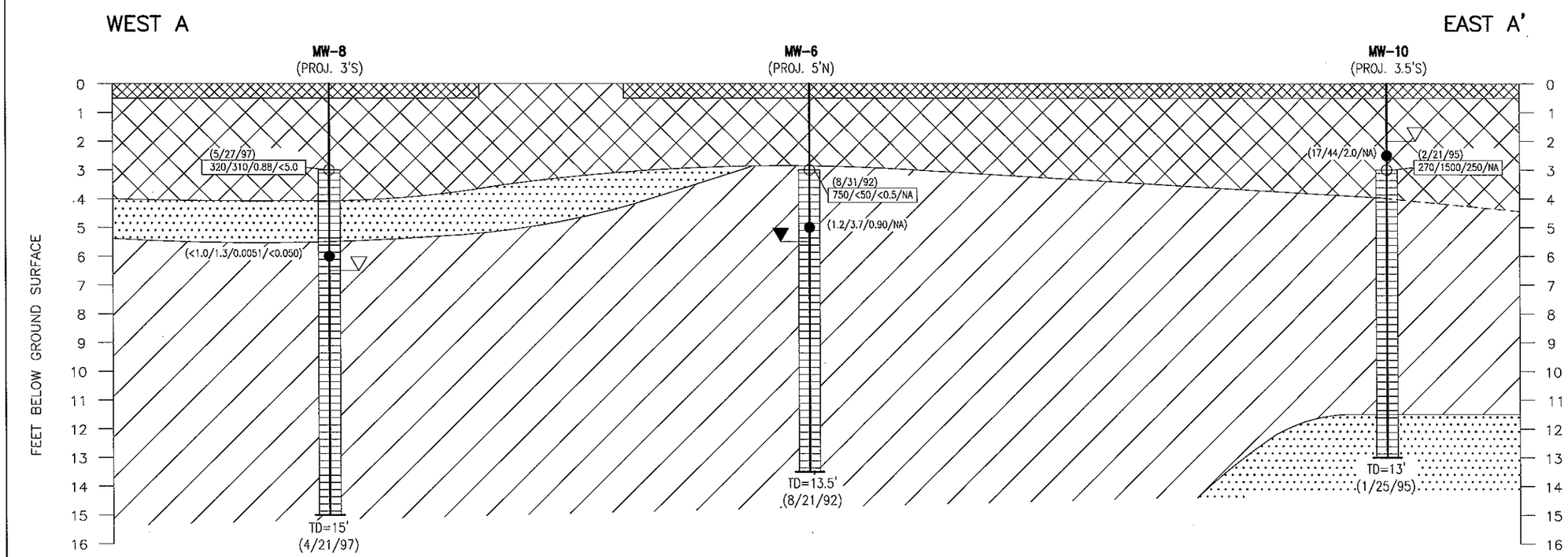
N - General Tire

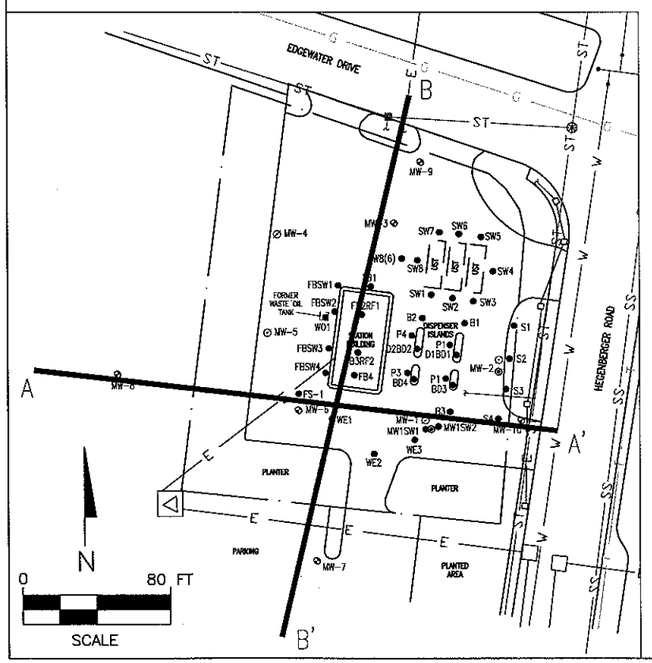
O - Paramount Pest Control

P - Diablo Cellular

SCM

FIGURE 8





LEGEND

MW-7
TD=13'
(4/21/97)

MONITORING WELL

WELL CASING

SOIL SAMPLE LOCATION

WELL SCREEN

TOTAL DEPTH
DATE INSTALLED

DEPTH TO FIRST ENCOUNTERED GROUNDWATER

DEPTH TO STATIC GROUNDWATER

(2.6/1.7/0.016/NA) ●

SOIL SAMPLE LOCATION WITH ANALYTICAL DATA: TPHg, TPHd, BENZENE, MTBE (mg/kg)

(2/21/95)

71/70/<0.0050/NA

(DATE SAMPLED)

GROUNDWATER SAMPLE LOCATION WITH ANALYTICAL DATA: TPHg, TPHd, BENZENE, MTBE (ug/L)

ASPHALT

FILL

FINE GRAINED SILT AND/OR CLAY

SAND

APPROXIMATE STRATIGRAPHIC BOUNDARY

NOTES:

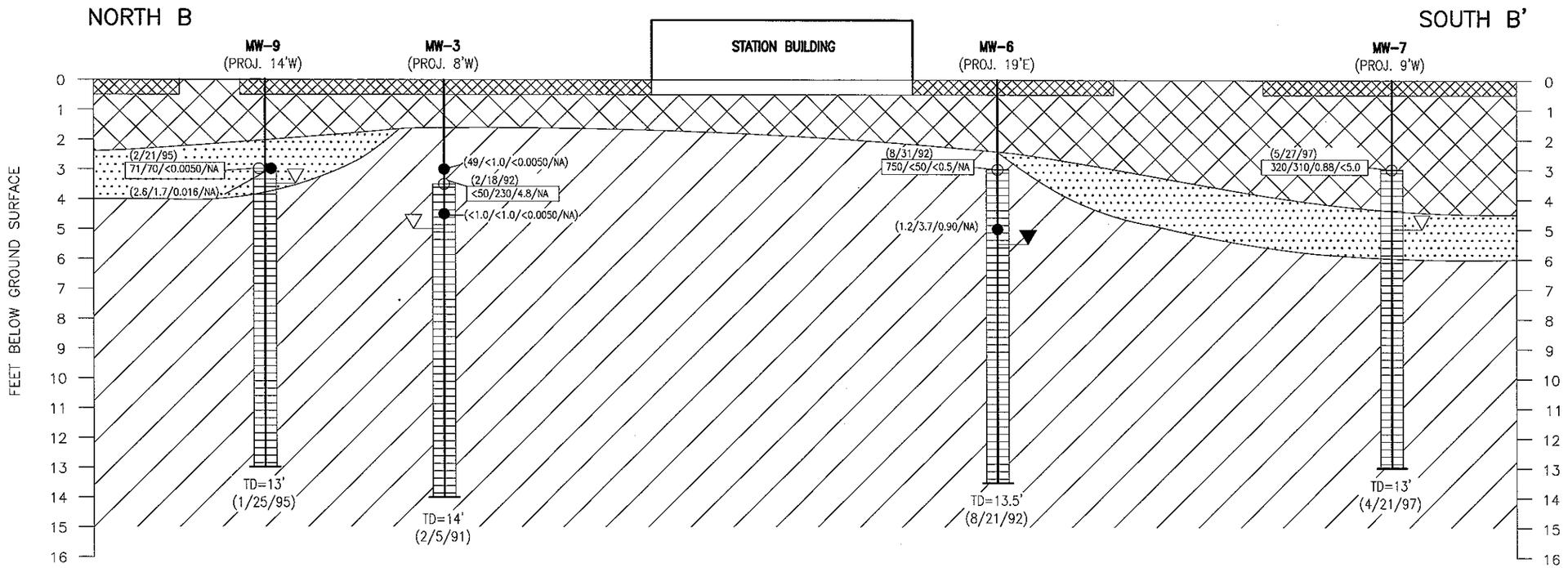
1) <0.05=BELOW THE LABORATORY'S INDICATED REPORTING LIMIT
NA=NOT ANALYZED
TPHg=TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
TPHd=TOTAL PETROLEUM HYDROCARBONS AS DIESEL
MTBE=METHYL-TERT-BUTYL ETHER
mg/kg=MILLIGRAMS PER KILOGRAM
ug/L=MICROGRAMS PER LITER

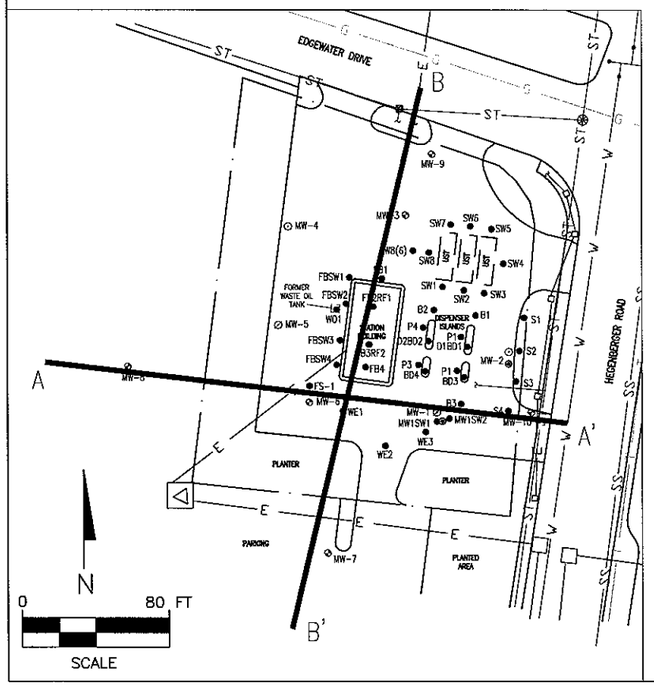
2) STRATIGRAPHY BETWEEN BORINGS IS INTERPRETIVE.

FIGURE 9
GEOLOGIC CROSS SECTION A-A'

76 SERVICE STATION #5043
449 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY	
142705191	EW	DR/JH	
DATE	REVIEWED BY	FILE NAME	
05/27/09	DD	C10504300sm	DELTA®





LEGEND

MONITORING WELL

WELL CASING

SOIL SAMPLE LOCATION

WELL SCREEN

TOTAL DEPTH
DATE INSTALLED

▽ DEPTH TO FIRST ENCOUNTERED GROUNDWATER

▼ DEPTH TO STATIC GROUNDWATER

(2.6/1.7/0.016/NA) ● SOIL SAMPLE LOCATION WITH ANALYTICAL DATA: TPHg, TPHd, BENZENE, MTBE (mg/kg)

(2/21/95) (DATE SAMPLED)

71/70/<0.0050/NA ○ GROUNDWATER SAMPLE LOCATION WITH ANALYTICAL DATA: TPHg, TPHd, BENZENE, MTBE (ug/L)

▩ ASPHALT

☐ CONCRETE

☒ FILL

▨ FINE GRAINED SILT AND/OR CLAY

▦ SAND

~ APPROXIMATE STRATIGRAPHIC BOUNDARY

NOTES:

1) <0.05=BELOW THE LABORATORY'S INDICATED REPORTING LIMIT
NA=NOT ANALYZED
TPHg=TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
TPHd=TOTAL PETROLEUM HYDROCARBONS AS DIESEL
MTBE=METHYL-TERT-BUTYL ETHER
mg/kg=MILLIGRAMS PER KILOGRAM
ug/L=MICROGRAMS PER LITER

2) STRATIGRAPHY BETWEEN BORINGS IS INTERPRETIVE.

FIGURE 10
GEOLOGIC CROSS SECTION B-B'

76 SERVICE STATION #5043
449 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
I42705191	EW	DR/JH
DATE	REVIEWED BY	FILE NAME
05/27/09	DD	C10504300sm

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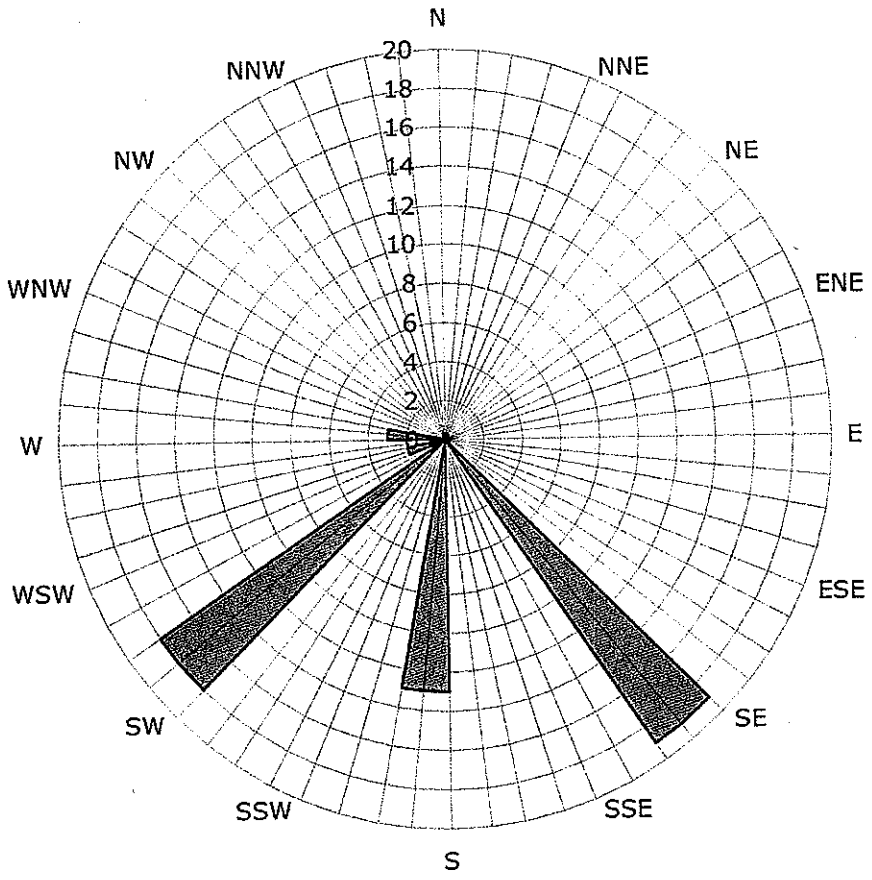
Figure 11
Historic Groundwater Flow Directions
Site No. 5043
449 Hegenberger Road
Oakland, California



Legend
Concentric circles represent quarterly montoring events
Second Quarter 1992
through
First Quarter 2009
55 data points shown

Tables

SCM

TABLE 1

SUMMARY OF WELL INFORMATION
76 Service Station No. 5043
449 Hegenberger Road
Oakland, California

Map Number	State Well ID	Owner	Well Use	Well Total Depth (ft)	Screened Interval (ft)	Depth to Water (ft)	Date Installed	Approximate Distance From Site (ft)
Figure 1, number 1	2S/3W-28B1	W.E. Lyons Construction	Irrigation	48	28 to 48	7	10/7/1977	1,080 SE
Figure 1, number 2	2S/3W-28G2	Ratto Bros., Inc.	Irrigation	305	25 to 305	30	6/2/1988	2,623 SE
Figure 1, number 3	2S/3W-21J2	Delavel Turbine, Inc.	Industrial	448	138 to 200, 230 to 240	59	6/16/1976	2,570 NE

Appendix A
Regulatory History – Nearby Release Sites

A

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER

CALTRANS (T0600101696) - (MAP)

555 HEGENBERGER
OAKLAND, CA 94621
ALAMEDA COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP *(LEAD) - CASE #: RO0000225*
CASEWORKER: *STEVEN PLUNKETT*
SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: 01-1830*
CASEWORKER: *SAN FRANCSICO BAY RWQCB*

Regulatory Profile

CLEANUP STATUS
OPEN - SITE ASSESSMENT AS OF 9/3/1993

POTENTIAL CONTAMINANTS OF CONCERN
GASOLINE

POTENTIAL MEDIA AFFECTED
OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)

FILE LOCATION
LOCAL AGENCY

Site History

LUFT Con. LC MTBE=25ppb in MW-3 on 2/18/98. Site is approx 4000 feet southw08/04/1999

Cleanup Status History

DATE	STATUS
9/3/1993	Open - Site Assessment

Regulatory Activities

ACTION TYPE	ACTION DATE	ACTION
REMEDIATION	9/9/9999	Excavate and Dispose
ENFORCEMENT	6/21/1994	* Historical Enforcement - #UNK
LEAK ACTION	9/3/1993	Leak Reported
LEAK ACTION	1/20/1993	Leak Stopped
LEAK ACTION	6/6/1991	Leak Discovery

0.125 seconds

SCM

APPENDIX A

B

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER

SUPERIOR TILES (T0600101335) - (MAP)

7801 OAKPORT
OAKLAND, CA 94621
ALAMEDA COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP *(LEAD)* - *CASE #: RO0001132*
SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: 01-1446*
CASEWORKER: *SAN FRANCSICO BAY RWQCB*

Regulatory Profile

CLEANUP STATUS
COMPLETED - CASE CLOSED AS OF 8/1/1994

POTENTIAL CONTAMINANTS OF CONCERN
GASOLINE

POTENTIAL MEDIA AFFECTED
OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)

FILE LOCATION
LOCAL AGENCY

Site History

LUFT Con. LC ÿ 608/01/1994

Regulatory Activities

ACTION TYPE	ACTION DATE	ACTION
LEAK ACTION	9/9/9999	Leak Began
REMEDIATION	9/9/9999	Excavate and Dispose
LEAK ACTION	9/9/9999	Leak Discovery
LEAK ACTION	2/16/1990	Leak Reported

0.125 seconds

SCM

APPENDIX A

C

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER

RYDER TRUCK RENTAL (T0600101168) - (MAP)

8001 OAKPORT
OAKLAND, CA 94621
ALAMEDA COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP *(LEAD) - CASE #: RO0000830*
SAN FRANCISCO BAY RWQCB (REGION 2) *- CASE #: 01-1271*
CASEWORKER: *SAN FRANCISCO BAY RWQCB*
CUF Claim #: 4380
CUF Amount Paid: $145,784

Regulatory Profile

CLEANUP STATUS
COMPLETED - CASE CLOSED AS OF 1/20/2000

POTENTIAL CONTAMINANTS OF CONCERN
DIESEL

POTENTIAL MEDIA AFFECTED
OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)

FILE LOCATION
LOCAL AGENCY

Site History

LUFT Con. LC 3HSC This site was previously in LOP and was closed in 1996. That i01/20/2000

Cleanup Status History

DATE	STATUS
1/20/2000	Completed - Case Closed
3/16/1999	Open - Site Assessment

Regulatory Activities

ACTION TYPE	ACTION DATE	ACTION
REMEDIATION	9/9/9999	Excavate and Dispose
LEAK ACTION	2/15/1999	Leak Discovery
LEAK ACTION	2/15/1999	Leak Reported

0.1875 seconds

SCM

APPENDIX A

C

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER

RYDER TRUCK RENTAL (T0619719469) - (MAP)

8001 OAKPORT
OAKLAND, CA 94621
ALAMEDA COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP *(LEAD) - CASE #: RO0002944*
SAN FRANCISCO BAY RWQCB (REGION 2)

Regulatory Profile

CLEANUP STATUS
COMPLETED - CASE CLOSED AS OF 6/17/1996

POTENTIAL CONTAMINANTS OF CONCERN
GASOLINE

POTENTIAL MEDIA AFFECTED
OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)

FILE LOCATION
STORED ELECTRONICALLY AS AN E-FILE

Site History

No site history available

Regulatory Activities

ACTION TYPE	ACTION DATE	ACTION
LEAK ACTION	8/6/1991	Leak Reported
LEAK ACTION	8/6/1991	Leak Discovery

0.140625 seconds

SCM
APPENDIX A

D

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER

IMO INDUSTRIES INC (T0600191467) - (MAP)

550 85TH AVE
OAKLAND, CA 94621
ALAMEDA COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
SAN FRANCISCO BAY RWQCB (REGION 2) *(LEAD) - CASE #: 01-2500*
CASEWORKER: *SAN FRANCSICO BAY RWQCB*
ALAMEDA COUNTY LOP - *CASE #: 01NBC0019*

Regulatory Profile

CLEANUP STATUS
OPEN - REMEDIATION AS OF 5/5/1990

POTENTIAL CONTAMINANTS OF CONCERN
SOLVENTS

POTENTIAL MEDIA AFFECTED
OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)

FILE LOCATION

Site History

No site history available

Regulatory Activities

ACTION TYPE	ACTION DATE	ACTION
REMEDIATION	4/23/2009	Monitored Natural Attenuation
LEAK ACTION	5/9/1988	Leak Reported
LEAK ACTION	5/9/1988	Leak Discovery
LEAK ACTION	5/9/1988	Leak Stopped

0.078125 seconds

SCM

APPENDIX A

D

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER

IMO INDUSTRIES INC (SL18325745) - (MAP)

550 85TH AVENUE
OAKLAND, CA
ALAMEDA COUNTY
CLEANUP PROGRAM SITE

CLEANUP OVERSIGHT AGENCIES
SAN FRANCISCO BAY RWQCB (REGION 2) *(LEAD)* - *CASE #: 01S0100*
CASEWORKER: *CLEET CARLTON*

Regulatory Profile

CLEANUP STATUS
OPEN - VERIFICATION MONITORING AS OF 1/1/2000

POTENTIAL CONTAMINANTS OF CONCERN
VOLATILE ORGANIC COMPOUNDS (VOC)

POTENTIAL MEDIA AFFECTED
NONE SPECIFIED

FILE LOCATION
REGIONAL BOARD

Land Use Restrictions

	DATE RECORDED	SITE MANAGEMENT REQUIREMENTS
[VIEW COVENANT]	7/28/1997	ASPHALT COVER NOT TO BE DISTURBED WITHOUT APPROVAL, LAND USE COVENANT, NO GROUNDWATER EXTRACTION AT ANY DEPTH WITHOUT APPROVAL, NOTIFY PRIOR TO SUBSURFACE WORK, PERFORM H&S PLAN PRIOR TO SUBSURFACE WORK, REQUIRES SURFACE COVERS, RESIDENCE USE PROHIBITED, NOTIFY AFTER CHANGE OF PROPERTY OWNER

Site History

No site history available

Regulatory Activities

	ACTION TYPE	ACTION DATE	ACTION
[VIEW DOCS]	*OTHER REGULATORY ACTIONS*	10/16/2008	Site Visit / Inspection / Sampling
[VIEW DOCS]	*OTHER REGULATORY ACTIONS*	10/16/2008	Site Visit / Inspection / Sampling
[VIEW DOCS]	*OTHER REGULATORY ACTIONS*	10/16/2008	Site Visit / Inspection / Sampling
[VIEW DOCS]	*OTHER REGULATORY ACTIONS*	7/28/1997	Deed Restriction / Land Use Covenant
	ENFORCEMENT/ORDERS	4/16/1997	Clean-up and Abatement Order - #97-041
	ENFORCEMENT/ORDERS	3/23/1990	Clean-up and Abatement Order - #90-041
	REMEDIATION	1/1/1989	Pump and Treat Groundwater
	REMEDIATION	1/1/1987	Excavate and Treat
	LEAK ACTION	1/2/1965	Leak Reported

SCM

APPENDIX A

E

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER

TD ROWE (T0600178164) - (MAP)

8134 CAPWELL
OAKLAND, CA 94621
ALAMEDA COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP *(LEAD) - CASE #: RO0002848*
CASEWORKER: *JERRY WICKHAM*
SAN FRANCISCO BAY RWQCB (REGION 2)
CASEWORKER: *SAN FRANCSICO BAY RWQCB*

Regulatory Profile

CLEANUP STATUS
COMPLETED - CASE CLOSED AS OF 2/14/2006

POTENTIAL CONTAMINANTS OF CONCERN
GASOLINE

POTENTIAL MEDIA AFFECTED
OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)

FILE LOCATION
LOCAL AGENCY

Site History

No site history available

Regulatory Activities

ACTION TYPE	ACTION DATE	ACTION
LEAK ACTION	9/9/9999	Leak Began
REMEDIATION	9/9/9999	
LEAK ACTION	8/9/1999	Leak Reported
LEAK ACTION	4/16/1999	Leak Discovery
LEAK ACTION	4/16/1999	Leak Stopped

0.078125 seconds

SCM
APPENDIX A

F

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER

BOC GROUP INC (T0600100711) - (MAP)

8383 CAPWELL
OAKLAND, CA 94621
ALAMEDA COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP *(LEAD) - CASE #: RO0000862*
SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: 01-0774*
CASEWORKER: *SAN FRANCSICO BAY RWQCB*

Regulatory Profile

CLEANUP STATUS
COMPLETED - CASE CLOSED AS OF 6/9/1993

POTENTIAL CONTAMINANTS OF CONCERN
GASOLINE

POTENTIAL MEDIA AFFECTED
S

FILE LOCATION
LOCAL AGENCY

Site History

LUFT Con. LC 1 ÿ He01/27/1993

Regulatory Activities

ACTION TYPE	ACTION DATE	ACTION
LEAK ACTION	9/9/9999	Leak Began
LEAK ACTION	9/9/9999	Leak Discovery
REMEDIATION	5/30/1991	Excavate and Dispose
LEAK ACTION	8/6/1990	Leak Reported

0.125 seconds

SCM

APPENDIX A

G

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER

CHEVRON #9-1851 (T0600102238) - (MAP)

451 HEGENBERGER
OAKLAND, CA 94621
ALAMEDA COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP *(LEAD)* - *CASE #: RO0000464*
CASEWORKER: *STEVEN PLUNKETT*
SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: 01-2429*
CASEWORKER: *SAN FRANCSICO BAY RWQCB*
CUF Claim #: 15501
CUF Amount Paid:

Regulatory Profile

CLEANUP STATUS
OPEN - REMEDIATION AS OF 2/23/1996

POTENTIAL CONTAMINANTS OF CONCERN
GASOLINE

POTENTIAL MEDIA AFFECTED
OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)

FILE LOCATION
LOCAL AGENCY

Site History

LUFT Con. LC 3HGW MTBE=11,000 ppb in 12/99. Requested that additional offsite we08/25 /1999ADDITIONAL WELLS INSTALLED 10/00, CONSIDERING OVER PURGING WELLS IMPACTED WITH MTBE

Regulatory Activities

	ACTION TYPE	ACTION DATE	ACTION
	REMEDIATION	9/9/9999	Excavate and Dispose
[VIEW DOCS]	*OTHER REGULATORY ACTIONS*	9/30/2008	Technical Correspondence / Assistance / Other - #20080930
	LEAK ACTION	3/18/1996	Leak Discovery
	LEAK ACTION	2/23/1996	Leak Reported

0.109375 seconds

SCM

APPENDIX A

H

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER

UNION BANK (T0600101417) - (MAP)

460 HEGENBERGER
OAKLAND, CA 94621
ALAMEDA COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP *(LEAD) - CASE #: RO0000670*
SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: 01-1534*
CASEWORKER: *SAN FRANCSICO BAY RWQCB*

Regulatory Profile

CLEANUP STATUS
COMPLETED - CASE CLOSED AS OF 10/4/1994

POTENTIAL CONTAMINANTS OF CONCERN
GASOLINE

POTENTIAL MEDIA AFFECTED
OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)

FILE LOCATION
LOCAL AGENCY

Site History

LUFT Con. LC 1HSCA Leo & Pauline Freschi, 260 Pershing Dr., Oakland, CA 9462110/04/1994

Regulatory Activities

ACTION TYPE	ACTION DATE	ACTION
LEAK ACTION	9/9/9999	Leak Began
REMEDIATION	9/9/9999	Excavate and Dispose
LEAK ACTION	9/9/9999	Leak Discovery
LEAK ACTION	4/4/1991	Leak Reported

0.140625 seconds

SCM

APPENDIX A

I

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER

PRECISION TRUCKING SCHOOL (T0600102125) - (MAP)

300 HEGENBERGER
OAKLAND, CA 94621
ALAMEDA COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP *(LEAD)* - *CASE #: RO0000184*
CASEWORKER: JERRY WICKHAM
SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: 01-2310*
CASEWORKER: SAN FRANCSICO BAY RWQCB
CUF Claim #: 12057
CUF Amount Paid:

Regulatory Profile

CLEANUP STATUS
OPEN - VERIFICATION MONITORING AS OF 12/2/1998

POTENTIAL CONTAMINANTS OF CONCERN
GASOLINE

POTENTIAL MEDIA AFFECTED
OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)

FILE LOCATION
LOCAL AGENCY

Site History

LUFT Con. LC 2HSCAW MTBE=ND based upon ND in all soil and grab groundwater samplesm05/18/1999

Regulatory Activities

	ACTION TYPE	ACTION DATE	ACTION
	LEAK ACTION	9/9/9999	Leak Began
[VIEW DOCS]	*OTHER REGULATORY ACTIONS*	5/5/2009	Technical Correspondence / Assistance / Other - #20090505
[VIEW DOCS]	*OTHER REGULATORY ACTIONS*	4/23/2009	Technical Correspondence / Assistance / Other - #20090423
[VIEW DOCS]	*OTHER REGULATORY ACTIONS*	3/12/2009	Technical Correspondence / Assistance / Other - #20090312
	WORKPLANS	5/30/2008	Soil and Water Investigation Workplan
	ENFORCEMENT	3/11/2008	- #20080311
	LEAK ACTION	6/14/1996	Leak Discovery
	LEAK ACTION	6/14/1996	Leak Reported
	REMEDIATION	6/10/1996	Excavate and Dispose

SCM

APPENDIX A

J

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER

MARRIOT CORPORATION OAKLAND COURTYARD (T0600191512) - (MAP)

265 HEGENBERGER RD
OAKLAND, CA 94621
ALAMEDA COUNTY
CLEANUP PROGRAM SITE

CLEANUP OVERSIGHT AGENCIES
SAN FRANCISCO BAY RWQCB (REGION 2) *(LEAD)* - *CASE #: 01S0195*
CASEWORKER: *Cleet Carlton*
ALAMEDA COUNTY LOP

Regulatory Profile

CLEANUP STATUS
OPEN - SITE ASSESSMENT AS OF 4/20/1989

POTENTIAL CONTAMINANTS OF CONCERN
BENZENE

POTENTIAL MEDIA AFFECTED
UNDER INVESTIGATION

FILE LOCATION

Site History

No site history available

Regulatory Activities

ACTION TYPE	ACTION DATE	ACTION
LEAK ACTION	1/1/1985	Leak Reported

7.421875E-02 seconds

SCM
APPENDIX A

J

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER

MARRIOT COURTYARD (T0600101598) - (MAP)

265 HEGENBERGER
OAKLAND, CA 94621
ALAMEDA COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP *(LEAD)* - *CASE #: RO0000539*
SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: 01-1727*
CASEWORKER: *SAN FRANCSICO BAY RWQCB*
CUF Claim #: 17195
CUF Amount Paid:

Regulatory Profile

CLEANUP STATUS
COMPLETED - CASE CLOSED AS OF 2/20/1998

POTENTIAL CONTAMINANTS OF CONCERN
GASOLINE

POTENTIAL MEDIA AFFECTED
OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)

FILE LOCATION
LOCAL AGENCY

Site History

LUFT Con. LC ÿ Ba02/20/1998

Regulatory Activities

ACTION TYPE	ACTION DATE	ACTION
LEAK ACTION	9/9/9999	Leak Began
REMEDIATION	9/9/9999	Excavate and Dispose
LEAK ACTION	9/9/9999	Leak Discovery
LEAK ACTION	12/18/1989	Leak Reported

0.09375 seconds

SCM

APPENDIX A

K

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER

UNITED PARCEL SERVICE (T0600100939) - (MAP)

8400 PARDEE
OAKLAND, CA 94621
ALAMEDA COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP *(LEAD) - CASE #: RO0000315*
CASEWORKER: BARBARA JAKUB
SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: 01-1017*
CASEWORKER: SAN FRANCSICO BAY RWQCB
CUF Claim #: 1732
CUF Amount Paid: $99,085

Regulatory Profile

CLEANUP STATUS
OPEN - SITE ASSESSMENT AS OF 2/2/1990

POTENTIAL CONTAMINANTS OF CONCERN
DIESEL

POTENTIAL MEDIA AFFECTED
OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)

FILE LOCATION
LOCAL AGENCY

Site History

No site history available

Regulatory Activities

	ACTION TYPE	ACTION DATE	ACTION
	REMEDIATION	9/9/9999	Excavate and Dispose
[VIEW DOCS]	*OTHER REGULATORY ACTIONS*	3/26/2009	Technical Correspondence / Assistance / Other - #20090326
[VIEW DOCS]	*OTHER REGULATORY ACTIONS*	3/10/2009	Technical Correspondence / Assistance / Other - #20090310
	LEAK ACTION	5/4/1993	Leak Stopped
	LEAK ACTION	5/4/1993	Leak Discovery
	LEAK ACTION	2/2/1990	Leak Reported

0.171875 seconds

SCM

APPENDIX A

L

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER

SHELL #13-5691 (T0600101245) - (MAP)

285 HEGENBERGER
OAKLAND, CA 94621
ALAMEDA COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP *(LEAD) - CASE #: RO0000220*
CASEWORKER: *JERRY WICKHAM*
SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: 01-1350*
CASEWORKER: *SAN FRANCSICO BAY RWQCB*
CUF Claim #: 4963
CUF Amount Paid: $831,638

Regulatory Profile

CLEANUP STATUS
OPEN - SITE ASSESSMENT AS OF 2/1/1989

POTENTIAL CONTAMINANTS OF CONCERN
GASOLINE

POTENTIAL MEDIA AFFECTED
OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)

FILE LOCATION
LOCAL AGENCY

Site History

LUFT Con. LC 3HSCWG MTBE=7060ppm in MW1 (12/99), are investigating restarting the VES 02/11/1999HAVE INSTALLED ADDITIONAL VEW

Regulatory Activities

ACTION TYPE	ACTION DATE	ACTION
REMEDIATION	9/9/9999	Excavate and Dispose
LEAK ACTION	2/12/1992	Leak Discovery
LEAK ACTION	2/1/1989	Leak Reported

0.140625 seconds

SCM
APPENDIX A

M

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER

PACIFIC BELL (T0600101567) - (MAP)

295 HEGENBERGER
OAKLAND, CA 94621
ALAMEDA COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP *(LEAD) - CASE #: RO0000723*
SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: 01-1696*
CASEWORKER: *SAN FRANCSICO BAY RWQCB*

Regulatory Profile

CLEANUP STATUS
COMPLETED - CASE CLOSED AS OF 5/14/1996

POTENTIAL CONTAMINANTS OF CONCERN
WASTE OIL / MOTOR / HYDRAULIC / LUBRICATING

POTENTIAL MEDIA AFFECTED
OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)

FILE LOCATION
LOCAL AGENCY

Site History

LUFT Con. LC 2H ÿ La05/23/1996

Regulatory Activities

ACTION TYPE	ACTION DATE	ACTION
LEAK ACTION	9/9/9999	Leak Began
REMEDIATION	9/9/9999	
LEAK ACTION	9/9/9999	Leak Discovery
LEAK ACTION	1/17/1989	Leak Reported

0.09375 seconds

SCM

APPENDIX A

N

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER

GENERAL TIRE (T0600100634) - (MAP)

240 HEGENBERGER RD
OAKLAND, CA 94621
ALAMEDA COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
SAN FRANCISCO BAY RWQCB (REGION 2) *(LEAD) - CASE #: 01-0689*
CASEWORKER: *SAN FRANCSICO BAY RWQCB*
ALAMEDA COUNTY LOP - *CASE #: 01-0689*

Regulatory Profile

CLEANUP STATUS
COMPLETED - CASE CLOSED AS OF 7/12/1995

POTENTIAL CONTAMINANTS OF CONCERN
GASOLINE

POTENTIAL MEDIA AFFECTED
SOIL

FILE LOCATION

Site History

No site history available

Regulatory Activities

ACTION TYPE	ACTION DATE	ACTION
LEAK ACTION	12/11/1987	Leak Discovery
LEAK ACTION	12/11/1987	Leak Reported
LEAK ACTION	12/11/1987	Leak Stopped

0.171875 seconds

SCM

APPENDIX A

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER

PARAMOUNT PEST CONTROL (T0600101047) - (MAP)

20 HEGENBERGER
OAKLAND, CA 94621
ALAMEDA COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP *(LEAD) - CASE #: RO0001114*
SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: 01-1137*
CASEWORKER: *SAN FRANCSICO BAY RWQCB*
CUF Claim #: 13719, 1543
CUF Amount Paid: $44,733

Regulatory Profile

CLEANUP STATUS
COMPLETED - CASE CLOSED AS OF 3/8/1995

POTENTIAL CONTAMINANTS OF CONCERN
GASOLINE

POTENTIAL MEDIA AFFECTED
S

FILE LOCATION
LOCAL AGENCY

Site History

LUFT Con. LC 2SCA ÿ Sa03/08/1995

Regulatory Activities

ACTION TYPE	ACTION DATE	ACTION
LEAK ACTION	9/9/9999	Leak Began
REMEDIATION	9/9/9999	
LEAK ACTION	9/9/9999	Leak Discovery
LEAK ACTION	9/4/1991	Leak Reported

0.125 seconds

SCM

APPENDIX A

P

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER

DIABLO CELLULAR (T0600100432) - (MAP)

106-110 HEGENBERGER
OAKLAND, CA 94621
ALAMEDA COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP *(LEAD) - CASE #: RO0000091*
SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: 01-0476*
CASEWORKER: *SAN FRANCSICO BAY RWQCB*

Regulatory Profile

CLEANUP STATUS
COMPLETED - CASE CLOSED AS OF 11/14/2001

POTENTIAL CONTAMINANTS OF CONCERN
GASOLINE

POTENTIAL MEDIA AFFECTED
OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)

FILE LOCATION
LOCAL AGENCY

Site History

LUFT Con. LC MTBE not yet run.09/10/1999

Regulatory Activities

ACTION TYPE	ACTION DATE	ACTION
LEAK ACTION	9/9/9999	Leak Began
REMEDIATION	9/9/9999	Excavate and Dispose
LEAK ACTION	9/9/9999	Leak Discovery
LEAK ACTION	8/31/1990	Leak Reported

0.109375 seconds

SCM

APPENDIX A

Appendix B
Boring Logs

BORING LOG

Project No. KEI-P91-1004	**Boring & Casing Diameter** 8" 2"	**Logged By** D.L.
Project Name Unocal Oakland, Hegenberger	**Well Cover Elevation** 7.78 feet	**Date Drilled** 2/5/91
Boring No. MW1	**Drilling Method** Hollow-stem Auger	**Drilling Company** West Hazmat

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
		0		Asphalt pavement over sand and gravel base.
				Clay with silt, stiff, moist, olive gray, pocketed with poorly graded sand, medium-grained, dark greenish gray, moist: fill
5/5/4	▽		SW	Well graded sand with gravel, loose, very moist to saturated, very dark greenish gray, fill?
2 for 18"		5	OL/ OH	Clayey silt, highly organic, very soft, wet, very dark greenish gray, with plant fibers and organic matter, lensed with peat: bay mud.
2/4/6		10	CH	Silty clay, firm to stiff, very moist, black, with plant fibers and organic matter.
6/10/13			CL	Sandy clay, stiff to very stiff, moist, olive gray and olive brown, mottled with root holes.
		15		TOTAL DEPTH: 13.5'
		20		

BORING LOG

Project No. KEI-P91-1004	**Boring & Casing Diameter** 8" 2"	**Logged By** D.L.
Project Name Unocal Oakland, Hegenberger	**Well Cover Elevation** 8.96 feet	**Date Drilled** 2/5/91
Boring No. MW2	**Drilling Method** Hollow-stem Auger	**Drilling Company** West Hazmat

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
		0		Asphalt pavement over sand and gravel base.
			CH	Silty clay, stiff, moist, dark greenish gray, pocketed with silty sand and well graded sand, moist to very moist: fill
11/6/3			MH	Sandy silt, sand is very fine-grained, very soft, very moist to wet, dark greenish gray, lensed with very fine-grained sand.
2 for 18"	▽	5	OL/ OH	Very silty clay, very soft, very moist, black, with abundant plant fibers and organic matter: bay mud.
4/6/8		10	CH	Silty clay, stiff, moist, black, with plant fibers and organic matter.
8/9/9				Silty clay, trace fine-grained sand, very stiff, moist, olive gray and olive brown, mottled with root holes.
3/7/12			CL	Sandy clay, estimated at 10 to 15% silt, sand is fine- to medium-grained, stiff to very stiff, moist, olive gray and olive brown mottled.
		15		TOTAL DEPTH: 15'
		20		

BORING LOG

Project No. KEI-P91-1004	**Boring & Casing Diameter** 8" 2"	**Logged By** D.L.
Project Name Unocal Oakland, Hegenberger	**Well Cover Elevation** 7.67 feet	**Date Drilled** 2/5/91
Boring No. MW3	**Drilling Method** Hollow-stem Auger	**Drilling Company** West Hazmat

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
		0		Asphalt pavement over sand and gravel base.
			SP	Poorly graded sand, trace silt, medium-grained, loose, very moist, dark greenish gray: fill?
			ML	Sandy silt, sand is very fine-grained, very soft, very moist to wet, dark greenish gray with organic matter.
1/1/1			MH	Clayey silt, very soft to soft, very moist to wet, dark greenish gray.
2/2/2	▽	5		
			OL	Peat, soft, wet, dark greenish gray, spongy feel..
			OH	Silty clay, highly organic, firm, moist, black, with plant remains.
3/4/5		10	CH	Silty clay, with an estimated 10 to 15% fine- to medium-grained sand content, firm to stiff, moist, dark greenish gray, with plant remains and organic matter.
7/9/10				Silty clay, with an estimated 10 to 15% fine- to medium-grained sand content, stiff, to very stiff, moist, olive gray and olive brown, with root holes.
		15		TOTAL DEPTH: 14'
		20		

BORING LOG

Project No. KEI-P91-1004	**Boring Diameter** 9"	**Logged By** JGG D.L. CEG 1633
	Casing Diameter 2"	
Project Name Unocal S/S #5043 449 Hegenberger Rd., Oakland	**Well Cover Elevation**	**Date Drilled** 8/21/92
Boring No. MW4	**Drilling Method** Hollow-stem Auger	**Drilling Company** West Hazmat

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
		0		Asphalt pavement.
				Gravelly clay with sand, stiff, moist, black (5Y 2.5/1) and olive gray (5Y 5/3), disturbed (fill).
7/7/8			CH	Silty clay, trace sand, stiff, moist, black (5Y 2.5/1) with thin lenses of fine-grained sand, olive gray (5Y 5/3).
8/15/15	▼	5		
			ML	Sandy silt, firm, wet, black (5Y 2.5/1) with organic matter, sand is medium to fine-grained.
2/2/5			SW	Well graded sand, loose, saturated, very dark gray (5Y 3/1).
			CH	Silty clay, stiff, moist, black (5Y 2.5/1), organic matter (bay mud).
3/4/8		10	CH/ SW	Silty clay, firm, moist, black (5Y 2.5/1) lensed with well graded sand, loose, saturated, very dark gray (5Y 3/1).
6/6/9			CH	Silty clay, stiff, moist, black (5Y 2.5/1) with organic matter, grades to dark greenish gray (5G 4/1), becomes stiffer with depth.
				TOTAL DEPTH 13.5'
		15		
		20		

BORING LOG

Project No. KEI-P91-1004	**Boring Diameter** 9" **Casing Diameter** 2"	**Logged By** JGG D.L. CEG/633
Project Name Unocal S/S #5043 449 Hegenberger Rd., Oakland	**Well Cover Elevation**	**Date Drilled** 8/21/92
Boring No. MW5	**Drilling Method** Hollow-stem Auger	**Drilling Company** West Hazmat

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
		0		Asphalt pavement.
				Intermixed clays, silts and sands, stiff, moist, many colors, disturbed (fill).
3/5/7			CH	Clay with silt, stiff, moist, very dark gray (5Y 3/1), lensed with poorly graded sand.
5/9/14		5		
4/3/3	▼		ML/ GM	Clayey silt, firm, very moist, black (5Y 2.5/1), interbedded with silty, poorly graded gravel, loose, wet, black (5Y 2.5/1).
			Pt	Peat with trace clayey silt, soft, very moist, brown and black, fibrous.
6/8/8			OL	Clayey silt, trace sand, stiff, very moist, black (5Y 2.5/1), abundant organic matter.
		10	OH	Clay with silt, stiff, moist, black (2.5YR 2.5/0), abundant organic matter.
4/5/9			CH	Silty clay, stiff, moist, black (5Y 2.5/1), organic matter.
5/8/12				Silty clay, trace fine-grained sand, very stiff, moist, dark greenish gray (5GY 4/1), organic matter.
		15		TOTAL DEPTH 13.5'
		20		

SCM

APPENDIX B

BORING LOG

Project No. KEI-P91-1004	**Boring Diameter** 9"	**Logged By** JGG D.L. CEG 1653
	Casing Diameter 2"	
Project Name Unocal S/S #5043 449 Hegenberger Rd., Oakland	**Well Cover Elevation**	**Date Drilled** 8/21/92
Boring No. MW6	**Drilling Method** Hollow-stem Auger	**Drilling Company** West Hazmat

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
		0		Asphalt pavement over sand and gravel base.
				Gravelly clay with sand, stiff, moist, black and olive gray, disturbed (fill).
3/4/4			CH	Clay with silt, stiff, moist, black (5Y 2.5/1) lensed with poorly graded and well graded sand.
4/5/7	▼	5	ML	Silt with very fine-grained sand, stiff, moist to wet, dark greenish gray (5GY 4/1), lensed with clayey silt between 4.5 and 5.5 feet.
3/3/4			OL	Clayey silt, stiff, moist, black (5Y 2.5/1) and very dark gray (5Y 3/1) mottled, with abundant organic matter (bay mud).
5/7/8		10	OH	Silty clay, stiff, moist, black (2.5YR 2.5/0), with abundant organic matter.
5/7/9			CH	Silty clay, stiff, moist, very dark gray (5Y 3/1), with organic matter.
				Silty clay, trace fine-grained sand, stiff, moist, dark greenish gray (5GY 4/1).
		15		TOTAL DEPTH 13.5'
		20		

SCM

APPENDIX B

BORING LOG

Project No. KEI-P 91-1004.P8	**Boring Diameter** 8.5"	**Logged By** TLG
	Casing Diameter 2"	D.L. CEG 1633
Project Name Unocal S/S #5043 499 Hegenberger Road Oakland, California	**Well Cover Elevation** N/A	**Date Drilled** 4/21/97
Boring No. MW8	**Drilling Method** Hollow-stem Auger	**Drilling Company** Woodward Drilling

Pene-tration blows/6"	G.W level	O.V.M. (P.P.M.)	Depth (feet) Samples	Stratigraphy USCS	Description
			0		A.C. pavement over sand and gravel base.
					Pocketed clay, silt and sand, firm to stiff, moist, dark olive gray and dark greenish gray (fill and or disturbed native soil).
					Silty gravel, medium dense, moist to very moist, (fill).
2/2/4			5		Silty very fine to fine-grained sand, estimated at 20-30% silt, firm to stiff, very moist, dark gray.
2/2/2	▽			ML	Clayey silt, firm, very moist to wet, black and dark greenish gray, with abundant plant remains lensed with black sandy silt, wet.
2/5/6			10	CL	Silty clay, stiff, moist, black, with minor plant remains, root holes common.
6/12/24			15	MH	Clayey silt, estimated at 30-40% silt, trace fine-grained sand, stiff to very stiff, moist, dark greenish gray and olive, mottled, with occasional root holes and plant fibers, clay content increases with depth.
			20		TOTAL DEPTH: 15'

BORING LOG

Project No. KEI-P 91-1004.P8	**Boring Diameter** 8.5" **Casing Diameter** 2"	**Logged By** JGC D.L. CEG 1633
Project Name Unocal S/S #5043 499 Hegenberger Road Oakland, California	**Well Cover Elevation** N/A	**Date Drilled** 4/21/97
Boring No. MW7	**Drilling Method** Hollow-stem Auger	**Drilling Company** Woodward Drilling

Pene-tration blows/6"	G.W level	O.V.M. (P.P.M.)	Depth (feet) Samples	Stratigraphy USCS	Description
			0		A.C. pavement over sand and gravel base.
	▽			SP	Poorly graded sand, predominantly medium-grained, loose, moist grading to saturated, brown (fill).
			5	SW	Well graded sand with gravel, loose, saturated, very dark grayish brown (fill).
				ML	Clayey silt, soft, wet, black and dark greenish gray, mottled.
					Sandy silt, soft, wet, dark greenish gray.
1/1/1				Pt	Peat, variable silt and clay content, soft, fibrous, wet, brown and black.
				ML	Clayey silt, soft, wet, black, with abundant plant remains.
			10		
6/7/9				CH	Silty clay, stiff, moist, dark gray, with plant remains and root holes.
					TOTAL DEPTH: 13'
			15		
			20		

SCM

APPENDIX B

BORING LOG

Project No. KEI-P 91-1004	**Boring Diameter** 8.5" **Casing Diameter** 2"	**Logged By** JGG D.L. CE6 1633
Project Name Unocal S/S #5043 499 Hegenberger road Oakland, California	**Well Cover Elevation** N/A	**Date Drilled** 1/25/95
Boring No. MW9	**Drilling Method** Hollow-stem Auger	**Drilling Company** V & W Drilling

Penetration blows/6"	G.W level	O.V.M. (P.P.M.)	Depth (feet) Samples	Stratigraphy USCS	Description
			0		A.C. pavement over sand and gravel base.
				CL/ ML	Pocketed clayey silt and silty clay, stiff, moist, black and dark greenish gray, with organic matter (fill and/or disturbed native soil).
1/2/2	▽			SP	Poorly graded sand, predominantly fine to medium-grained, loose, moist grading to saturated, dark greenish gray.
			5	ML	Silt, estimated at 5-15% variable clay content, soft, wet, dark greenish gray.
1/2/2				PT	Peat with variable clay and silt content to 30%, soft, fibrous, wet, brown and black.
				ML	Claycy silt, soft, wet, black, with abundant plant fibers and organic matter.
2/4/5				CL	Silty clay, firm to stiff, moist, black, with plant fibers and organic matter.
			10		
13/15/18					Silty clay, estimated at 10-15% sand, trace gravel, very stiff to hard, moist, olive and dark olive gray, mottled with olive brown below 12-1/2 feet.
					TOTAL DEPTH: 13'
			15		
			20		

BORING LOG

Project No. KEI-P 91-1004	**Boring Diameter** 8.5"	**Logged By** JGG
	Casing Diameter 2"	**D.L.** CEG 1633
Project Name Unocal S/S #5043 499 Hegenberger Road Oakland, California	**Well Cover Elevation** N/A	**Date Drilled** 1/25/95
Boring No. MW10	**Drilling Method** Hollow-stem Auger	**Drilling Company** V & W Drilling

Pene-tration blows/6"	G.W level	O.V.M. (P.P.M.)	Depth (feet) Samples	Stratigraphy USCS	Description
	▽		0		A.C. pavement over sand and gravel base. Perched water at base of gravel base.
4/4/5				CL/ ML	Pocketed clayey silt and silty clay, trace-15% sand and gravel, stiff, very moist, black and dark greenish gray, with abundant plant fibers and organic matter (fill and disturbed native soil).
1/2/2			5	OL/ OH	Silty clay, soft to firm, wet, black, with abundant plant fibers and organic matter.
3/5/5			10	CL	Silty clay, stiff, moist, black, grades to dark greenish gray below 10 feet, with plant fibers and organic matter, trace sand below 10 feet.
9/11/13				SC	Clayey sand, estimated at 20-25% clay and 10-15% silt, trace gravel, medium dense, moist, dark greenish gray, with plant fibers and organic matter.
			15		TOTAL DEPTH: 13'
			20		

Appendix C
Groundwater Analytical Tables

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 1992 Through March 2009

76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-1			**(Screen Interval in feet: --)**											
02/18/92	--	--	--	--	--	150000	--	17000	26000	5200	26000	--	--	
05/20/92	--	--	--	--	--	--	--	--	--	--	--	--	--	
08/31/92	--	--	--	--	--	64000	--	13000	12000	2500	22000	--	--	
11/30/92	--	--	--	--	--	--	--	--	--	--	--	--	--	
02/04/93	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/04/93	8.96	2.13	0.10	6.90	--	--	--	--	--	--	--	--	--	LPH in well
08/04/93	8.96	2.92	0.03	6.06	-0.84	--	--	--	--	--	--	--	--	LPH in well
11/03/93	7.38	3.04	0.00	4.34	-1.72	--	--	--	--	--	--	--	--	Not sampled; Presence of free product
02/07/94	7.38	2.55	0.03	4.85	0.51	--	--	--	--	--	--	--	--	LPH in well
05/19/94	7.38	2.23	0.01	5.16	0.31	--	--	--	--	--	--	--	--	LPH in well
06/25/94	7.38	2.49	0.01	4.90	-0.26	--	--	--	--	--	--	--	--	LPH in well
07/27/94	7.38	3.10	0.00	4.28	-0.62	--	--	--	--	--	--	--	--	
08/15/94	7.38	2.85	0.11	4.61	0.33	--	--	--	--	--	--	--	--	LPH in well
11/14/94	7.38	2.97	0.12	4.50	-0.11	--	--	--	--	--	--	--	--	LPH in well
02/21/95	7.38	1.53	0.02	5.87	1.37	--	--	--	--	--	--	--	--	LPH in well
05/18/95	--	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed
MW-2			**(Screen Interval in feet: --)**											
02/18/92	--	--	--	--	--	29000	--	1000	5300	260	7900	--	--	
05/20/92	--	--	--	--	--	24000	--	2200	7600	630	11000	--	--	
08/31/92	--	--	--	--	--	9000	--	1800	640	140	2000	--	--	
11/30/92	--	--	--	--	--	29000	--	2000	3400	1200	6900	--	--	
02/04/93	--	--	--	--	--	18000	--	1600	3000	ND	6900	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 1992 Through March 2009
76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-2 continued														
05/04/93	8.96	2.48	0.00	6.48	--	63000	--	3200	17000	470	17000	--	--	
08/04/93	8.96	3.20	0.00	5.76	-0.72	45000	--	2100	6600	1400	12000	--	--	
11/03/93	8.58	3.37	0.00	5.21	-0.55	72000	--	3700	16000	3700	20000	--	--	
02/07/94	8.58	2.40	0.00	6.18	0.97	--	--	--	--	--	--	--	--	Not sampled; Presence of free product
05/19/94	8.58	2.13	0.00	6.45	0.27	42000	--	2500	1300	2300	13000	--	--	
06/25/94	8.58	2.65	0.00	5.93	-0.52	--	--	--	--	--	--	--	--	
07/27/94	8.58	3.44	0.00	5.14	-0.79	--	--	--	--	--	--	--	--	
08/15/94	8.58	3.25	0.00	5.33	0.19	35000	--	2400	850	1700	15000	--	--	
11/14/94	8.58	2.13	0.00	6.45	1.12	43000	--	2200	6500	1800	14000	--	--	
02/21/95	8.58	1.65	0.00	6.93	0.48	44000	--	2200	3200	1300	1500	--	--	
05/18/95	--	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed
MW-3			**(Screen Interval in feet: 2.5-14.0)**											
02/18/92	--	--	--	--	--	230	--	4.8	22	1.8	33	--	--	
05/20/92	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
08/31/92	--	--	--	--	--	210	--	1	ND	ND	ND	--	--	
11/30/92	--	--	--	--	--	790	--	ND	ND	ND	ND	--	--	
02/04/93	--	--	--	--	--	3300	--	320	ND	96	6.1	--	--	
05/04/93	7.84	4.32	0.00	3.52	--	1800	--	95	ND	ND	ND	--	--	
08/04/93	7.84	4.94	0.00	2.90	-0.62	210	--	ND	ND	ND	ND	--	--	
11/03/93	7.42	4.53	0.00	2.89	-0.01	640	--	ND	ND	ND	ND	--	--	
02/07/94	7.42	2.40	0.00	5.02	2.13	2700	--	110	ND	17	ND	--	--	
05/19/94	7.42	3.60	0.00	3.82	-1.20	1800	--	83	ND	6.2	9.1	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 1992 Through March 2009

76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-3 continued														
06/25/94	7.42	4.58	0.00	2.84	-0.98	--	--	--	--	--	--	--	--	
07/27/94	7.42	4.58	0.00	2.84	0.00	--	--	--	--	--	--	--	--	
08/15/94	7.42	4.65	0.00	2.77	-0.07	130	--	1.1	0.54	ND	0.97	--	--	
11/14/94	7.42	3.18	0.00	4.24	1.47	1600	--	ND	ND	ND	ND	--	--	
02/21/95	7.42	1.81	0.00	5.61	1.37	3800	--	350	ND	130	22	--	--	
05/18/95	7.42	4.56	0.00	2.86	-2.75	1300	--	42	ND	ND	ND	--	--	
08/17/95	7.42	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
07/26/96	7.42	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
10/28/96	7.42	--	--	--	--	--	--	--	--	--	--	--	--	Obstructed at 0.55 feet
01/29/97	7.42	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
04/15/97	7.42	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
05/27/97	7.42	3.45	0.00	3.97	--	670	--	6.5	ND	ND	ND	250	--	
06/01/97	7.42	3.50	0.00	3.92	-0.05	--	--	--	--	--	--	--	--	
07/15/97	8.04	3.71	0.00	4.33	0.41	240	--	ND	ND	ND	ND	490	--	
10/09/97	8.04	3.70	0.00	4.34	0.01	270	--	1.1	ND	2.4	1.4	910	--	
01/14/98	8.04	2.16	0.00	5.88	1.54	310	--	ND	ND	0.62	0.65	140	--	
04/01/98	8.04	2.20	0.00	5.84	-0.04	370	--	5.7	ND	ND	ND	93	--	
07/15/98	8.04	3.38	0.00	4.66	-1.18	460	--	ND	ND	ND	ND	230	--	
10/16/98	8.04	2.30	0.00	5.74	1.08	330	--	4.7	ND	ND	ND	60	--	
01/25/99	8.04	2.42	0.00	5.62	-0.12	420	--	1.5	ND	ND	ND	180	--	
04/15/99	8.04	2.16	0.00	5.88	0.26	290	--	0.54	ND	ND	ND	160	--	
07/14/99	8.04	2.35	0.00	5.69	-0.19	290	--	3.2	ND	ND	ND	160	--	
10/21/99	8.04	2.49	0.00	5.55	-0.14	360	--	0.77	ND	ND	ND	82	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 1992 Through March 2009

76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-3 continued														
01/20/00	8.04	2.38	0.00	5.66	0.11	ND	--	0.81	ND	ND	ND	54	--	
04/13/00	8.04	2.76	0.00	5.28	-0.38	250	--	0.69	ND	ND	ND	91	150	
07/14/00	8.04	3.26	0.00	4.78	-0.50	345	--	ND	ND	ND	ND	94.7	--	
10/26/00	8.04	3.12	0.00	4.92	0.14	480	--	6.0	ND	ND	ND	120	--	
01/03/01	8.04	3.65	0.00	4.39	-0.53	364	--	1.59	ND	ND	ND	118	--	
04/04/01	8.04	3.98	0.00	4.06	-0.33	417	--	1.24	ND	ND	0.802	237	--	
07/17/01	8.04	3.12	0.00	4.92	0.86	480	--	ND	ND	ND	ND	150	--	
10/01/01	8.04	3.25	0.00	4.79	-0.13	310	--	1.0	ND<0.50	ND<0.50	ND<0.50	53	--	
01/31/02	8.04	2.27	0.00	5.77	0.98	250	--	3.5	ND<1.0	ND<1.0	ND<1.0	110	--	
04/18/02	8.04	3.55	0.00	4.49	-1.28	300	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	59	
07/28/02	8.04	2.55	0.00	5.49	1.00	--	500	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	130	
10/09/02	8.04	2.47	0.00	5.57	0.08	--	690	ND<5	ND<5	ND<5	ND<10	--	120	
01/02/03	8.04	1.70	0.00	6.34	0.77	--	310	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	110	
04/01/03	8.04	3.48	0.00	4.56	-1.78	--	250	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	210	
07/01/03	8.04	2.65	0.00	5.39	0.83	--	450	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	70	
10/02/03	8.04	3.12	0.00	4.92	-0.47	--	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	210	
01/09/04	8.04	2.39	0.00	5.65	0.73	--	300	ND<0.50	0.53	0.53	1.5	--	66	
04/26/04	8.04	3.11	0.00	4.93	-0.72	--	440	2.5	5.5	2.9	9.4	--	81	
07/22/04	8.04	2.51	0.00	5.53	0.60	--	420	ND<0.5	ND<0.5	ND<0.5	ND<1	--	72	
10/29/04	8.04	2.00	0.00	6.04	0.51	--	460	5.6	15	10	46	--	48	
01/10/05	8.04	1.52	0.00	6.52	0.48	--	280	ND<0.50	0.62	ND<0.50	2.4	--	64	
06/15/05	8.04	2.00	0.00	6.04	-0.48	--	460	ND<0.50	0.70	0.56	1.9	--	110	
09/27/05	8.04	1.90	0.00	6.14	0.10	--	210	ND<0.50	0.60	ND<0.50	ND<1.0	--	100	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 1992 Through March 2009
76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-3 continued														
12/13/05	8.04	2.35	0.00	5.69	-0.45	--	230	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	92	
03/23/06	8.04	1.84	0.00	6.20	0.51	--	290	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	88	
06/23/06	8.04	2.26	0.00	5.78	-0.42	--	500	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	75	
09/26/06	8.04	2.08	0.00	5.96	0.18	--	270	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	73	
12/22/06	8.04	1.88	0.00	6.16	0.20	--	260	ND<0.50	ND<0.50	ND<0.50	1.2	--	71	
03/30/07	8.04	2.47	0.00	5.57	-0.59	--	390	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	120	
06/28/07	8.04	2.54	0.00	5.50	-0.07	--	370	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	55	
09/25/07	8.04	2.56	0.00	5.48	-0.02	--	350	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	61	
12/28/07	8.04	2.29	0.00	5.75	0.27	--	260	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	66	
03/22/08	8.04	3.26	0.00	4.78	-0.97	--	390	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	39	
06/23/08	8.04	2.60	0.00	5.44	0.66	--	200	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	46	
09/19/08	8.04	3.45	0.00	4.59	-0.85	--	180	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	120	
12/31/08	8.04	2.55	0.00	5.49	0.90	--	190	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	38	
03/27/09	8.04	2.37	0.00	5.67	0.18	--	150	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	50	
MW-4			**(Screen Interval in feet: --)**											
08/31/92	--	--	--	--	--	240	--	ND	ND	ND	0.54	--	--	
11/30/92	--	--	--	--	--	420	--	ND	ND	ND	ND	--	--	
02/04/93	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
05/04/93	9.00	4.09	0.00	4.91	--	110	--	0.95	ND	ND	ND	--	--	
08/04/93	9.00	5.01	0.00	3.99	-0.92	250	--	ND	3.5	ND	4.1	--	--	
11/03/93	8.41	4.23	0.00	4.18	0.19	130	--	ND	ND	ND	ND	--	--	
02/07/94	8.41	3.35	0.00	5.06	0.88	56	--	ND	ND	ND	ND	--	--	
05/19/94	8.41	3.92	0.00	4.49	-0.57	140	--	ND	ND	ND	ND	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 1992 Through March 2009

76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-4 continued														
06/25/94	8.41	4.35	0.00	4.06	-0.43	--	--	--	--	--	--	--	--	
07/27/94	8.41	4.28	0.00	4.13	0.07	--	--	--	--	--	--	--	--	
08/15/94	8.41	4.27	0.00	4.14	0.01	59	--	ND	0.6	ND	ND	--	--	
11/14/94	8.41	4.05	0.00	4.36	0.22	130	--	ND	ND	ND	ND	--	--	
02/21/95	--	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed
MW-5			**(Screen Interval in feet: --)**											
08/31/92	--	--	--	--	--	78	--	0.89	ND	ND	13	--	--	
11/30/92	--	--	--	--	--	930	--	70	290	0.79	14	--	--	
02/04/93	--	--	--	--	--	5700	--	38	ND	620	170	--	--	
05/04/93	8.95	4.37	0.00	4.58	--	7400	--	41	ND	1000	35	--	--	
08/04/93	8.95	5.81	0.00	3.14	-1.44	1500	--	130	1	460	11	--	--	
11/03/93	8.95	5.68	0.00	3.27	0.13	13000	--	350	ND	3500	530	--	--	
02/07/94	8.95	5.11	0.00	3.84	0.57	2000	--	87	ND	370	110	--	--	
05/19/94	8.95	5.09	0.00	3.86	0.02	260	--	44	ND	32	4.1	--	--	
06/25/94	8.95	4.55	0.00	4.40	0.54	--	--	--	--	--	--	--	--	
07/27/94	8.95	5.72	0.00	3.23	-1.17	--	--	--	--	--	--	--	--	
08/15/94	8.95	5.68	0.00	3.27	0.04	1600	--	110	ND	340	72	--	--	
11/14/94	8.95	5.63	0.00	3.32	0.05	250	--	40	ND	ND	5	--	--	
02/21/95	--	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed
MW-6			**(Screen Interval in feet: 2.5-13.5)**											
08/31/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/30/92	--	--	--	--	--	9200	--	550	ND	740	1600	--	--	
02/04/93	--	--	--	--	--	3600	--	340	ND	290	550	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 1992 Through March 2009

76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-6 continued														
05/04/93	9.12	3.72	0.00	5.40	--	4900	--	360	18	450	430	--	--	
08/04/93	9.12	5.15	0.00	3.97	-1.43	3400	--	390	ND	440	190	--	--	
11/03/93	8.87	5.25	0.00	3.62	-0.35	1400	--	320	ND	200	7.7	--	--	
02/07/94	8.87	4.55	0.00	4.32	0.70	4900	--	650	ND	250	35	--	--	
05/19/94	8.87	4.62	0.00	4.25	-0.07	3600	--	300	1.7	210	41	--	--	
08/15/94	8.87	5.08	0.00	3.79	-0.46	1300	--	130	6.7	54	57	--	--	
11/14/94	8.87	5.30	0.00	3.57	-0.22	730	--	50	ND	ND	39	--	--	
02/21/95	8.87	5.37	0.00	3.50	-0.07	2000	--	250	4.6	25	30	--	--	
05/18/95	8.87	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
08/17/95	8.87	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
07/26/96	8.87	6.40	3.33	4.97	--	--	--	--	--	--	--	--	--	LPH in well
10/28/96	8.87	4.10	0.21	4.93	-0.04	--	--	--	--	--	--	--	--	LPH in well
11/13/96	8.87	4.02	0.25	5.04	0.11	--	--	--	--	--	--	--	--	LPH in well
11/25/96	8.87	4.01	0.75	5.42	0.38	--	--	--	--	--	--	--	--	LPH in well
12/04/96	8.87	3.65	0.50	5.59	0.17	--	--	--	--	--	--	--	--	LPH in well
12/19/96	8.87	4.80	2.20	5.72	0.13	--	--	--	--	--	--	--	--	LPH in well
01/08/97	8.87	4.84	1.75	5.34	-0.38	--	--	--	--	--	--	--	--	LPH in well
01/14/97	8.87	4.51	1.15	5.22	-0.12	--	--	--	--	--	--	--	--	LPH in well
01/27/97	8.87	4.00	1.75	6.18	0.96	--	--	--	--	--	--	--	--	LPH in well
01/29/97	8.87	3.24	0.31	5.86	-0.32	--	--	--	--	--	--	--	--	LPH in well
02/11/97	8.87	4.65	1.20	5.12	-0.74	--	--	--	--	--	--	--	--	LPH in well
02/24/97	8.87	4.81	1.10	4.89	-0.23	--	--	--	--	--	--	--	--	LPH in well
03/10/97	8.87	4.60	0.95	4.98	0.10	--	--	--	--	--	--	--	--	LPH in well

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 1992 Through March 2009
76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-6 continued														
03/17/97	8.87	4.50	0.89	5.04	0.05	--	--	--	--	--	--	--	--	LPH in well
03/31/97	8.87	4.65	1.00	4.97	-0.07	--	--	--	--	--	--	--	--	LPH in well
04/15/97	8.87	4.90	1.03	4.74	-0.23	--	--	--	--	--	--	--	--	LPH in well
04/28/97	8.87	4.78	0.03	4.11	-0.63	--	--	--	--	--	--	--	--	LPH in well
05/15/97	8.87	4.60	0.25	4.46	0.35	--	--	--	--	--	--	--	--	LPH in well
05/27/97	8.87	4.50	0.25	4.56	0.10	--	--	--	--	--	--	--	--	LPH in well
06/09/97	8.87	4.60	0.20	4.42	-0.14	--	--	--	--	--	--	--	--	LPH in well
06/24/97	8.87	4.50	0.25	4.56	0.14	--	--	--	--	--	--	--	--	LPH in well
07/09/97	8.87	4.80	0.60	4.52	-0.04	--	--	--	--	--	--	--	--	LPH in well
07/15/97	8.87	4.63	0.42	4.55	0.04	--	--	--	--	--	--	--	--	LPH in well
07/21/97	8.87	4.75	0.25	4.31	-0.25	--	--	--	--	--	--	--	--	LPH in well
08/06/97	8.87	4.50	0.10	4.44	0.14	--	--	--	--	--	--	--	--	LPH in well
08/20/97	8.87	4.55	0.10	4.39	-0.05	--	--	--	--	--	--	--	--	LPH in well
09/02/97	8.87	4.75	0.05	4.16	-0.24	--	--	--	--	--	--	--	--	LPH in well
10/09/97	8.87	4.84	0.04	4.06	-0.10	--	--	--	--	--	--	--	--	LPH in well
01/14/98	8.87	3.90	0.94	5.67	1.61	--	--	--	--	--	--	--	--	LPH in well
02/12/98	8.87	3.35	0.64	6.00	0.33	--	--	--	--	--	--	--	--	LPH in well
03/03/98	8.87	4.51	0.02	4.37	-1.63	--	--	--	--	--	--	--	--	LPH in well
04/01/98	8.87	3.67	1.60	6.40	2.03	--	--	--	--	--	--	--	--	LPH in well
05/26/98	8.87	4.11	0.50	5.13	-1.26	--	--	--	--	--	--	--	--	LPH in well
06/15/98	8.87	5.03	0.30	4.06	-1.07	--	--	--	--	--	--	--	--	LPH in well
07/15/98	8.87	4.56	0.05	4.35	0.28	--	--	--	--	--	--	--	--	LPH in well
08/21/98	8.87	4.77	0.02	4.11	-0.23	--	--	--	--	--	--	--	--	LPH in well

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 1992 Through March 2009
76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-6 continued														
09/30/98	8.87	5.08	0.03	3.81	-0.30	--	--	--	--	--	--	--	--	LPH in well
10/16/98	8.87	4.31	2.40	6.36	2.55	--	--	--	--	--	--	--	--	LPH in well
11/06/98	8.87	3.98	0.17	5.02	-1.34	--	--	--	--	--	--	--	--	LPH in well
11/25/98	8.87	3.92	0.10	5.02	0.01	--	--	--	--	--	--	--	--	LPH in well
12/28/98	8.87	3.90	0.20	5.12	0.10	--	--	--	--	--	--	--	--	LPH in well
01/25/99	8.87	4.18	0.60	5.14	0.02	--	--	--	--	--	--	--	--	LPH in well
02/22/99	8.87	4.07	0.22	4.96	-0.18	--	--	--	--	--	--	--	--	LPH in well
03/22/99	8.87	4.32	0.15	4.66	-0.30	--	--	--	--	--	--	--	--	LPH in well
04/15/99	8.87	4.23	0.95	5.35	0.69	--	--	--	--	--	--	--	--	LPH in well
05/28/99	8.87	4.38	0.39	4.78	-0.57	--	--	--	--	--	--	--	--	LPH in well
06/29/99	8.87	4.12	0.02	4.76	-0.02	--	--	--	--	--	--	--	--	LPH in well
07/14/99	8.87	4.20	0.03	4.69	-0.07	--	--	--	--	--	--	--	--	Not sampled - presence of free product
08/23/99	8.87	4.51	0.24	4.54	-0.15	--	--	--	--	--	--	--	--	LPH in well
09/30/99	8.87	4.17	0.17	4.83	0.29	--	--	--	--	--	--	--	--	LPH in well
10/21/99	8.87	4.27	0.12	4.69	-0.14	--	--	--	--	--	--	--	--	LPH in well
11/29/99	8.87	4.18	0.00	4.69	0.00	--	--	--	--	--	--	--	--	
12/20/99	8.87	4.26	0.01	4.62	-0.07	--	--	--	--	--	--	--	--	LPH in well
01/20/00	8.87	4.31	0.00	4.56	-0.06	130000	--	2900	8600	2000	16000	ND	--	
02/26/00	8.87	3.98	0.00	4.89	0.33	--	--	--	--	--	--	--	--	
03/31/00	8.87	4.14	0.00	4.73	-0.16	--	--	--	--	--	--	--	--	
04/13/00	8.87	4.04	0.00	4.83	0.10	140000	--	5000	14000	3600	27000	7700	--	
05/26/00	8.87	4.41	0.00	4.46	-0.37	--	--	--	--	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 1992 Through March 2009
76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-6 continued														
06/17/00	8.87	4.35	0.00	4.52	0.06	--	--	--	--	--	--	--	--	
07/14/00	8.87	4.47	0.00	4.40	-0.12	259000	--	7670	13700	6860	40700	ND	ND	
08/24/00	8.87	3.71	0.00	5.16	0.76	--	--	--	--	--	--	--	--	
09/27/00	8.87	4.33	0.00	4.54	-0.62	--	--	--	--	--	--	--	--	
10/26/00	8.87	4.32	0.00	4.55	0.01	110000	--	7000	6200	3700	12000	670	43	
01/03/01	8.87	4.52	0.00	4.35	-0.20	84700	--	3950	4130	3650	11800	ND	ND	
04/04/01	8.87	4.29	0.00	4.58	0.23	69800	--	2060	2840	3650	10900	ND	47.8	
07/17/01	8.87	4.37	0.00	4.50	-0.08	100000	--	3200	3300	3400	12000	ND	--	
10/01/01	8.87	4.45	0.00	4.42	-0.08	110000	--	3200	2400	4500	13000	ND<1000	--	
01/31/02	8.87	4.03	0.00	4.84	0.42	230000	--	2400	1800	5400	16000	ND<2500	--	
04/18/02	8.87	3.45	0.00	5.42	0.58	94000	--	6800	13000	3000	19000	ND<500	--	
07/28/02	8.87	2.24	0.00	6.63	1.21	--	110000	530	170	3200	7300	--	ND<100	
10/09/02	8.87	3.53	0.00	5.34	-1.29	--	970000	10000	39000	13000	94000	--	ND<2000	
01/02/03	8.87	2.34	0.00	6.53	1.19	--	270000	6100	15000	5400	37000	--	ND<200	
04/01/03	8.87	3.17	0.00	5.70	-0.83	--	3000000	8000	39000	37000	260000	--	ND<2000	
07/01/03	8.87	3.55	0.00	5.32	-0.38	--	38000	2100	990	2700	6500	--	ND<100	
10/02/03	8.87	3.82	0.00	5.05	-0.27	--	100000	5600	6900	4700	18000	--	ND<800	
01/09/04	8.87	2.80	0.00	6.07	1.02	--	170000	2800	3300	4700	16000	--	ND<200	
04/26/04	8.87	3.40	0.00	5.47	-0.60	--	97000	5900	9000	5100	23000	--	ND<50	
07/22/04	8.87	3.54	0.00	5.33	-0.14	--	110000	4100	5100	4000	16000	--	ND<200	
10/29/04	8.87	3.03	0.00	5.84	0.51	--	100000	5200	6100	4200	15000	--	ND<50	
01/10/05	8.87	2.35	0.00	6.52	0.68	--	71000	1600	3700	2100	9900	--	ND<50	
06/15/05	8.87	2.47	0.00	6.40	-0.12	--	130000	800	1800	2200	9300	--	ND<50	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 1992 Through March 2009
76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-6 continued														
09/27/05	8.87	2.55	0.00	6.32	-0.08	--	13000	82	120	430	990	--	0.56	
12/13/05	8.87	3.28	0.00	5.59	-0.73	--	68000	1500	1100	2200	7700	--	ND<50	
03/23/06	8.87	2.87	0.00	6.00	0.41	--	41000	290	140	1500	2700	--	ND<50	
06/23/06	8.87	3.15	0.00	5.72	-0.28	--	50000	2200	1400	1900	5700	--	ND<12	
09/26/06	8.87	3.08	0.00	5.79	0.07	--	130000	2200	1000	2900	8800	--	ND<50	
12/22/06	8.87	2.90	0.00	5.97	0.18	--	90000	940	610	1900	4700	--	ND<50	
03/30/07	8.87	3.26	0.00	5.61	-0.36	--	210000	1100	560	3400	12000	--	ND<10	
06/28/07	8.87	3.46	0.00	5.41	-0.20	--	67000	2200	1300	2700	10000	--	ND<25	
09/25/07	8.87	3.52	0.00	5.35	-0.06	--	56000	2900	720	2400	9000	--	ND<25	
12/28/07	8.87	3.27	0.00	5.60	0.25	--	78000	28000	2700	4000	8100	--	16000	
03/22/08	8.87	2.48	0.00	6.39	0.79	--	66000	380	150	1500	2400	--	ND<25	
06/23/08	8.87	3.54	0.00	5.33	-1.06	--	59000	1600	130	1800	4100	--	25	
09/19/08	8.87	4.06	0.00	4.81	-0.52	--	65000	2000	230	2000	4500	--	ND<12	
12/31/08	8.87	3.45	0.00	5.42	0.61	--	91000	2000	320	5300	13000	--	ND<50	
03/27/09	8.87	3.09	0.00	5.78	0.36	--	150000	1300	240	2800	7200	--	ND<50	
MW-7			**(Screen Interval in feet: 3.0-13.0)**											
05/27/97	8.83	4.50	0.00	4.33	--	68	--	ND	ND	ND	ND	ND	--	
06/01/97	8.83	4.54	0.00	4.29	-0.04	--	--	--	--	--	--	--	--	
07/15/97	8.83	4.70	0.00	4.13	-0.16	ND	--	ND	ND	ND	ND	ND	--	
10/09/97	8.83	4.30	0.00	4.53	0.40	ND	--	ND	ND	ND	ND	ND	--	
01/14/98	8.83	2.88	0.00	5.95	1.42	ND	--	ND	ND	ND	ND	36	--	
04/01/98	8.83	3.13	0.00	5.70	-0.25	ND	--	ND	ND	ND	ND	ND	--	
07/15/98	8.83	4.45	0.00	4.38	-1.32	ND	--	ND	ND	ND	ND	ND	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 1992 Through March 2009

76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-7 continued														
10/16/98	8.83	3.45	0.00	5.38	1.00	ND	--	ND	ND	ND	ND	ND	--	
01/25/99	8.83	3.22	0.00	5.61	0.23	ND	--	ND	ND	ND	ND	ND	--	
04/15/99	8.83	3.11	0.00	5.72	0.11	ND	--	ND	ND	ND	ND	ND	--	
07/14/99	8.83	3.34	0.00	5.49	-0.23	ND	--	ND	ND	ND	ND	ND	--	
10/21/99	8.83	3.43	0.00	5.40	-0.09	ND	--	ND	ND	ND	ND	ND	--	
01/20/00	8.83	3.29	0.00	5.54	0.14	ND	--	ND	ND	ND	ND	4.2	--	
04/13/00	8.83	3.39	0.00	5.44	-0.10	ND	--	ND	ND	ND	ND	ND	--	
07/14/00	8.83	4.42	0.00	4.41	-1.03	ND	--	ND	ND	ND	ND	7.83	--	
07/17/01	8.83	5.06	0.00	3.77	-0.64	ND	--	ND	ND	ND	ND	ND	--	
10/01/01	8.83	4.98	0.00	3.85	0.08	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
01/31/02	8.83	3.88	0.00	4.95	1.10	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
04/18/02	8.83	4.03	0.00	4.80	-0.15	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.7	--	
07/28/02	8.83	3.59	0.00	5.24	0.44	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.9	
10/09/02	8.83	4.53	0.00	4.30	-0.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.9	
01/03/03	8.83	3.36	0.00	5.47	1.17	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
04/01/03	8.83	3.94	0.00	4.89	-0.58	--	71	ND<0.50	ND<0.50	0.71	ND<1.0	--	3.4	
07/01/03	8.83	4.60	0.00	4.23	-0.66	--	64	ND<0.50	ND<0.50	0.77	2.0	--	35	
10/02/03	8.83	5.46	0.00	3.37	-0.86	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.9	
01/09/04	8.83	3.55	0.00	5.28	1.91	--	54	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.4	
04/26/04	8.83	4.49	0.00	4.34	-0.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	1.5	--	2.3	
07/22/04	8.83	4.93	0.00	3.90	-0.44	--	82	0.90	2.0	3.5	9.9	--	1.4	
10/29/04	8.83	3.71	0.00	5.12	1.22	--	210	0.67	1.6	1.7	5.8	--	ND<0.50	
01/10/05	8.83	2.77	0.00	6.06	0.94	--	74	0.51	2.2	1.7	7.0	--	ND<0.50	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 1992 Through March 2009

76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-7 continued														
06/15/05	8.83	3.40	0.00	5.43	-0.63	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.88	
09/27/05	8.83	3.44	0.00	5.39	-0.04	--	ND<50	0.59	1.2	ND<0.50	ND<1.0	--	0.96	
12/13/05	8.83	3.98	0.00	4.85	-0.54	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.65	
03/23/06	8.83	3.37	0.00	5.46	0.61	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
06/23/06	8.83	5.25	0.00	3.58	-1.88	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/26/06	8.83	4.13	0.00	4.70	1.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.77	
12/22/06	8.83	3.63	0.00	5.20	0.50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
03/30/07	8.83	4.31	0.00	4.52	-0.68	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
06/28/07	8.83	4.62	0.00	4.21	-0.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.54	
09/25/07	8.83	4.65	0.00	4.18	-0.03	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
12/28/07	8.83	3.99	0.00	4.84	0.66	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/22/08	8.83	4.08	0.00	4.75	-0.09	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
06/23/08	8.83	4.10	0.00	4.73	-0.02	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/19/08	8.83	4.86	0.00	3.97	-0.76	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/31/08	8.83	4.17	0.00	4.66	0.69	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/27/09	8.83	4.00	0.00	4.83	0.17	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-8			**(Screen Interval in feet: 3.0-15.0)**											
05/27/97	8.52	3.42	0.00	5.10	--	310	--	0.88	0.67	15	70	ND	--	
06/01/97	8.52	3.46	0.00	5.06	-0.04	--	--	--	--	--	--	--	--	
07/15/97	8.52	3.49	0.00	5.03	-0.03	ND	--	ND	ND	2.7	3.8	ND	--	
10/09/97	8.52	3.73	0.00	4.79	-0.24	590	--	1.4	ND	32	4.1	ND	--	
01/14/98	8.52	1.92	0.00	6.60	1.81	ND	--	ND	ND	ND	ND	ND	--	
04/01/98	8.52	2.38	0.00	6.14	-0.46	ND	--	ND	ND	ND	ND	4.7	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 1992 Through March 2009
76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-8 continued														
07/15/98	8.52	3.53	0.00	4.99	-1.15	ND	--	ND	ND	0.56	1.1	ND	--	
10/16/98	8.52	3.04	0.00	5.48	0.49	ND	--	ND	ND	ND	ND	ND	--	
01/25/99	8.52	2.92	0.00	5.60	0.12	ND	--	ND	ND	ND	ND	ND	--	
04/15/99	8.52	2.40	0.00	6.12	0.52	ND	--	ND	ND	ND	ND	ND	--	
07/14/99	8.52	3.03	0.00	5.49	-0.63	ND	--	ND	ND	ND	ND	ND	--	
10/21/99	8.52	3.11	0.00	5.41	-0.08	ND	--	ND	ND	ND	ND	ND	--	
01/20/00	8.52	3.06	0.00	5.46	0.05	ND	--	ND	ND	ND	ND	ND	--	
04/13/00	8.52	2.84	0.00	5.68	0.22	ND	--	ND	ND	ND	ND	ND	--	
07/14/00	8.52	3.39	0.00	5.13	-0.55	ND	--	ND	ND	ND	ND	ND	--	
07/17/01	8.52	3.46	0.00	5.06	-0.07	ND	--	ND	ND	ND	ND	ND	--	
10/01/01	8.52	3.51	0.00	5.01	-0.05	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
01/31/02	8.52	2.75	0.00	5.77	0.76	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
04/18/02	8.52	2.98	0.00	5.54	-0.23	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
07/28/02	8.52	2.41	0.00	6.11	0.57	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
10/09/02	8.52	2.09	0.00	6.43	0.32	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
01/02/03	8.52	1.98	0.00	6.54	0.11	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
04/01/03	8.52	2.66	0.00	5.86	-0.68	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
07/01/03	8.52	3.08	0.00	5.44	-0.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
10/02/03	8.52	3.89	0.00	4.63	-0.81	--	540	3.9	15	29	80	--	ND<2.0	
01/09/04	8.52	2.38	0.00	6.14	1.51	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
04/26/04	8.52	2.89	0.00	5.63	-0.51	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
07/22/04	8.52	3.25	0.00	5.27	-0.36	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	--	ND<0.5	
10/29/04	8.52	3.06	0.00	5.46	0.19	--	ND<50	ND<0.50	ND<0.50	0.82	2.5	--	ND<0.50	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 1992 Through March 2009
76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-8 continued														
01/10/05	8.52	1.92	0.00	6.60	1.14	--	58	ND<0.50	0.61	1.2	4.0	--	ND<0.50	
06/15/05	8.52	2.22	0.00	6.30	-0.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/27/05	8.52	2.43	0.00	6.09	-0.21	--	ND<50	ND<0.50	ND<0.50	1.2	ND<1.0	--	ND<0.50	
12/13/05	8.52	2.89	0.00	5.63	-0.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/23/06	8.52	2.12	0.00	6.40	0.77	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
06/23/06	8.52	2.65	0.00	5.87	-0.53	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/26/06	8.52	2.75	0.00	5.77	-0.10	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/22/06	8.52	2.58	0.00	5.94	0.17	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
03/30/07	8.52	2.74	0.00	5.78	-0.16	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
06/28/07	8.52	2.90	0.00	5.62	-0.16	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
09/25/07	8.52	3.26	0.00	5.26	-0.36	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
12/28/07	8.52	2.64	0.00	5.88	0.62	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
03/22/08	8.52	2.31	0.00	6.21	0.33	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
06/23/08	8.52	3.13	0.00	5.39	-0.82	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/19/08	8.52	3.72	0.00	4.80	-0.59	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/31/08	8.52	2.98	0.00	5.54	0.74	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/27/09	8.52	2.49	0.00	6.03	0.49	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-9			**(Screen Interval in feet: 3.0-13.0)**											
02/21/95	8.29	1.98	0.00	6.31	--	70	--	ND	ND	ND	ND	--	--	
05/18/95	8.29	3.47	0.00	4.82	-1.49	52	--	ND	1.1	ND	1.9	--	--	
08/17/95	8.29	1.49	0.00	6.80	1.98	ND	--	ND	ND	ND	ND	--	--	
07/26/96	8.29	0.28	0.00	8.01	1.21	ND	--	ND	ND	ND	ND	ND	--	
10/28/96	8.29	1.15	0.00	7.14	-0.87	ND	--	ND	ND	ND	ND	7.6	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 1992 Through March 2009

76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-9 continued														
01/29/97	8.29	1.05	0.00	7.24	0.10	ND	--	ND	ND	ND	ND	5.4	--	
04/15/97	8.29	1.88	0.00	6.41	-0.83	ND	--	ND	ND	ND	ND	5.4	--	
05/27/97	8.29	1.05	0.00	7.24	0.83	--	--	--	--	--	--	--	--	
07/15/97	8.29	1.90	0.00	6.39	-0.85	ND	--	ND	ND	ND	ND	ND	--	
10/09/97	8.29	1.76	0.00	6.53	0.14	ND	--	ND	ND	ND	ND	ND	--	
01/14/98	8.29	1.26	0.00	7.03	0.50	ND	--	ND	ND	ND	ND	3.0	--	
04/01/98	8.29	0.85	0.00	7.44	0.41	ND	--	ND	ND	ND	ND	ND	--	
07/15/98	8.29	1.52	0.00	6.77	-0.67	ND	--	ND	ND	ND	ND	ND	--	
10/16/98	8.29	0.81	0.00	7.48	0.71	ND	--	ND	ND	ND	ND	ND	--	
01/25/99	8.29	0.92	0.00	7.37	-0.11	ND	--	ND	ND	ND	ND	ND	--	
04/15/99	8.29	0.90	0.00	7.39	0.02	75	--	21	ND	ND	1.1	680	--	
07/14/99	8.29	1.04	0.00	7.25	-0.14	ND	--	1.9	ND	ND	ND	260	--	
10/21/99	8.29	1.23	0.00	7.06	-0.19	ND	--	ND	ND	ND	ND	170	--	
01/20/00	8.29	1.18	0.00	7.11	0.05	ND	--	1.1	ND	ND	ND	35	--	
04/13/00	8.29	1.08	0.00	7.21	0.10	160	--	0.64	ND	ND	ND	53	--	
07/14/00	8.29	1.43	0.00	6.86	-0.35	ND	--	ND	ND	ND	ND	20.2	--	
10/26/00	8.29	1.38	0.00	6.91	0.05	240	--	2.9	ND	ND	ND	56	--	
01/03/01	8.29	1.66	0.00	6.63	-0.28	166	--	0.763	0.776	ND	1.28	50.2	--	
04/04/01	8.29	1.27	0.00	7.02	0.39	296	--	0.738	ND	ND	0.907	135	--	
07/17/01	8.29	1.38	0.00	6.91	-0.11	ND	--	ND	ND	ND	ND	13	--	
10/01/01	8.29	1.93	0.00	6.36	-0.55	51	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.0	--	
01/31/02	8.29	2.08	0.00	6.21	-0.15	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.8	--	
04/18/02	8.29	1.76	0.00	6.53	0.32	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.1	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 1992 Through March 2009
76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-9 continued														
07/28/02	8.29	1.57	0.00	6.72	0.19	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.5	
10/09/02	8.29	1.45	0.00	6.84	0.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	17	
01/02/03	8.29	1.18	0.00	7.11	0.27	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	8.6	
04/01/03	8.29	2.04	0.00	6.25	-0.86	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	9.4	
07/01/03	8.29	2.80	0.00	5.49	-0.76	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.2	
10/02/03	8.29	2.70	0.00	5.59	0.10	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
01/09/04	8.29	1.90	0.00	6.39	0.80	--	74	ND<0.50	0.98	2.3	6.2	--	ND<2.0	
04/26/04	8.29	1.62	0.00	6.67	0.28	--	51	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.51	
07/22/04	8.29	1.88	0.00	6.41	-0.26	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	--	0.78	
10/29/04	8.29	1.28	0.00	7.01	0.60	--	ND<50	ND<0.50	ND<0.50	ND<0.50	1.0	--	ND<0.50	
01/10/05	8.29	0.07	0.00	8.22	1.21	--	93	0.60	2.3	2.4	9.0	--	ND<0.50	
06/15/05	8.29	1.70	0.00	6.59	-1.63	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	6.6	
09/27/05	8.29	1.98	0.00	6.31	-0.28	--	ND<50	ND<0.50	0.73	ND<0.50	ND<1.0	--	2.3	
12/13/05	8.29	2.26	0.00	6.03	-0.28	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.9	
03/23/06	8.29	1.32	0.00	6.97	0.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.7	
06/23/06	8.29	1.98	0.00	6.31	-0.66	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.9	
09/26/06	8.29	2.52	0.00	5.77	-0.54	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
12/22/06	8.29	1.98	0.00	6.31	0.54	--	ND<50	ND<0.50	0.57	1.8	4.6	--	1.6	
03/30/07	8.29	2.01	0.00	6.28	-0.03	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	3.4	
06/28/07	8.29	1.90	0.00	6.39	0.11	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	4.9	
09/25/07	8.29	1.57	0.00	6.72	0.33	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
12/28/07	8.29	1.98	0.00	6.31	-0.41	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/22/08	8.29	0.80	0.00	7.49	1.18	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.61	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 1992 Through March 2009
76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-9 continued														
06/23/08	8.29	1.80	0.00	6.49	-1.00	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/19/08	8.29	2.43	0.00	5.86	-0.63	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.9	
12/31/08	8.29	2.66	0.00	5.63	-0.23	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/27/09	8.29	2.01	0.00	6.28	0.65	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-10			**(Screen Interval in feet: 3.0-13.0)**											
02/21/95	8.62	4.69	0.00	3.93	--	1500	--	250	26	9.1	160	--	--	
05/18/95	8.62	4.92	0.00	3.70	-0.23	810	--	520	ND	18	23	--	--	
08/17/95	8.62	4.05	0.00	4.57	0.87	67	--	25	ND	2.4	ND	--	--	
07/26/96	8.62	4.08	0.00	4.54	-0.03	ND	--	3.7	ND	ND	ND	ND	--	
10/28/96	8.62	4.09	0.00	4.53	-0.01	ND	--	1.1	ND	ND	ND	ND	--	
01/29/97	8.62	2.94	0.00	5.68	1.15	210	--	41	0.67	7.2	4.8	11	--	
04/15/97	8.62	4.07	0.00	4.55	-1.13	110	--	12	ND	0.77	ND	9.7	--	
05/27/97	8.62	4.40	0.00	4.22	-0.33	--	--	--	--	--	--	--	--	
07/15/97	8.62	4.19	0.00	4.43	0.21	ND	--	2.1	ND	0.67	0.73	ND	--	
10/09/97	8.62	4.75	0.00	3.87	-0.56	190	--	38	0.92	6.6	7.6	ND	--	
01/14/98	8.62	2.66	0.00	5.96	2.09	59	--	9.5	0.85	1.2	1.7	4.5	--	
04/01/98	8.62	3.45	0.00	5.17	-0.79	230	--	66	1.7	12	17	6.4	--	
07/15/98	8.62	4.21	0.00	4.41	-0.76	290	--	98	45	21	38	21	--	
10/16/98	8.62	4.11	0.00	4.51	0.10	160	--	44	0.96	2.5	10	17	--	
01/25/99	8.62	3.26	0.00	5.36	0.85	140	--	27	ND	2.8	6.8	23	--	
04/15/99	8.62	3.63	0.00	4.99	-0.37	120	--	18	ND	1.8	5.1	14	--	
07/14/99	8.62	3.89	0.00	4.73	-0.26	280	--	55	3.2	11	31	6.1	--	
10/21/99	8.62	4.09	0.00	4.53	-0.20	140	--	22	0.59	1.7	7.7	5.3	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 1992 Through March 2009

76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-10 continued														
01/20/00	8.62	3.92	0.00	4.70	0.17	ND	--	0.73	0.86	ND	ND	5.2	--	
04/13/00	8.62	3.85	0.00	4.77	0.07	67	--	54	ND	2.6	ND	3.8	--	
07/14/00	8.62	4.18	0.00	4.44	-0.33	ND	--	0.547	ND	ND	ND	ND	--	
10/26/00	8.62	3.96	0.00	4.66	0.22	ND	--	3.3	ND	0.83	1.5	ND	--	
01/03/01	8.62	4.14	0.00	4.48	-0.18	52.7	--	5.15	ND	0.823	1.57	ND	--	
04/04/01	8.62	3.88	0.00	4.74	0.26	129	--	28.1	1.67	4.97	10.1	ND	--	
07/17/01	8.62	4.08	0.00	4.54	-0.20	ND	--	4.1	ND	1.0	1.8	ND	--	
10/01/01	8.62	4.22	0.00	4.40	-0.14	140	--	30	0.51	4.0	12	ND<5.0	--	
01/31/02	8.62	3.68	0.00	4.94	0.54	110	--	16	ND<0.50	2.3	5.6	ND<2.5	--	
04/18/02	8.62	4.01	0.00	4.61	-0.33	ND<50	--	11	ND<0.50	1.4	4.5	ND<2.5	--	
07/28/02	8.62	4.11	0.00	4.51	-0.10	--	67	15	ND<0.50	0.94	7.3	--	ND<2.0	
10/09/02	8.62	3.97	0.00	4.65	0.14	--	ND<50	0.67	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
01/02/03	8.62	3.03	0.00	5.59	0.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
04/01/03	8.62	3.83	0.00	4.79	-0.80	--	ND<50	11	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
07/01/03	8.62	4.13	0.00	4.49	-0.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
10/02/03	8.62	4.05	0.00	4.57	0.08	--	77	9.9	0.78	2.3	4.9	--	ND<2.0	
01/09/04	8.62	3.40	0.00	5.22	0.65	--	53	1.2	ND<0.50	0.70	1.6	--	ND<2.0	
04/26/04	8.62	3.89	0.00	4.73	-0.49	--	ND<50	2.8	1.3	1.0	2.9	--	ND<0.50	
07/22/04	8.62	3.73	0.00	4.89	0.16	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	--	ND<0.5	
10/29/04	8.62	3.41	0.00	5.21	0.32	--	100	2.0	1.2	1.1	3.6	--	ND<0.50	
01/10/05	8.62	2.68	0.00	5.94	0.73	--	84	7.8	2.7	2.2	8.9	--	ND<0.50	
06/15/05	8.62	4.63	0.00	3.99	-1.95	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/27/05	8.62	3.96	0.00	4.66	0.67	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 1992 Through March 2009
76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-10	**continued**													
12/13/05	8.62	3.75	0.00	4.87	0.21	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/23/06	8.62	3.13	0.00	5.49	0.62	--	50	13	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
06/23/06	8.62	3.90	0.00	4.72	-0.77	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/26/06	8.62	3.66	0.00	4.96	0.24	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
12/22/06	8.62	3.56	0.00	5.06	0.10	--	ND<50	ND<0.50	ND<0.50	ND<0.50	1.8	--	ND<0.50	
03/30/07	8.62	3.93	0.00	4.69	-0.37	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
06/28/07	8.62	4.03	0.00	4.59	-0.10	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
09/25/07	8.62	3.91	0.00	4.71	0.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
12/28/07	8.62	3.64	0.00	4.98	0.27	--	ND<50	2.1	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/22/08	8.62	4.00	0.00	4.62	-0.36	--	64	13	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
06/23/08	8.62	3.90	0.00	4.72	0.10	--	94	30	0.53	3.4	3.5	--	ND<0.50	
09/19/08	8.62	3.85	0.00	4.77	0.05	--	130	15	1.7	5.7	11	--	ND<0.50	
12/31/08	8.62	3.69	0.00	4.93	0.16	--	82	11	ND<0.50	0.81	1.7	--	ND<0.50	
03/27/09	8.62	3.75	0.00	4.87	-0.06	--	210	28	1.4	1.2	3.9	--	ND<0.50	

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5043

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)
MW-1									
02/18/92	13000	--	--	--	--	--	--	--	--
08/31/92	8900	--	--	--	--	--	--	--	--
MW-2									
02/18/92	4300	--	--	--	--	--	--	--	--
05/20/92	4300	--	--	--	--	--	--	--	--
08/31/92	1600	--	--	--	--	--	--	--	--
11/30/92	5700	--	--	--	--	--	--	--	--
02/04/93	6100	--	--	--	--	--	--	--	--
05/04/93	7100	--	--	--	--	--	--	--	--
08/04/93	1800	--	--	--	--	--	--	--	--
11/03/93	2600	--	--	--	--	--	--	--	--
05/19/94	3000	--	--	--	--	--	--	--	--
08/15/94	2800	--	--	--	--	--	--	--	--
11/14/94	10000	--	--	--	--	--	--	--	--
02/21/95	2000	--	--	--	--	--	--	--	--
MW-3									
02/18/92	ND	--	--	--	--	--	--	--	--
08/31/92	92	--	--	--	--	--	--	--	--
11/30/92	94	--	--	--	--	--	--	--	--
02/04/93	550	--	--	--	--	--	--	--	--
05/04/93	250	--	--	--	--	--	--	--	--
08/04/93	100	--	--	--	--	--	--	--	--
11/03/93	160	--	--	--	--	--	--	--	--
02/07/94	620	--	--	--	--	--	--	--	--

TRC

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5043

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)
MW-3 continued									
05/19/94	480	--	--	--	--	--	--	--	--
08/15/94	110	--	--	--	--	--	--	--	--
11/14/94	150	--	--	--	--	--	--	--	--
02/21/95	850	--	--	--	--	--	--	--	--
05/18/95	150	--	--	--	--	--	--	--	--
06/01/97	610	--	--	--	--	--	--	--	--
07/15/97	240	--	--	--	--	--	--	--	--
10/09/97	500	--	--	--	--	--	--	--	--
01/14/98	340	--	--	--	--	--	--	--	--
04/01/98	320	--	--	--	--	--	--	--	--
07/15/98	510	--	--	--	--	--	--	--	--
10/16/98	67	--	--	--	--	--	--	--	--
01/25/99	120	--	--	--	--	--	--	--	--
04/15/99	170	--	--	--	--	--	--	--	--
07/14/99	420	--	--	--	--	--	--	--	--
10/21/99	350	--	--	--	--	--	--	--	--
01/20/00	2060	--	--	--	--	--	--	--	--
04/13/00	200	ND	ND	ND	ND	ND	ND	ND	--
07/14/00	423	--	--	--	--	--	--	--	--
10/26/00	330	--	--	--	--	--	--	--	--
01/03/01	287	--	--	--	--	--	--	--	--
04/04/01	360	--	--	--	--	--	--	--	--
07/17/01	270	--	--	--	--	--	--	--	--
10/01/01	270	--	--	--	--	--	--	--	--
01/31/02	250	--	--	--	--	--	--	--	--

TRC

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5043

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)
MW-3 continued									
04/18/02	320	--	--	--	--	--	--	--	--
07/28/02	310	--	--	--	--	--	--	--	--
10/09/02	700	--	--	--	--	--	--	--	--
01/02/03	210	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--
04/01/03	200	--	--	--	--	--	--	--	--
07/01/03	380	--	ND<2500	--	--	--	--	--	--
10/02/03	300	--	ND<2500	--	--	--	--	--	--
01/09/04	200	--	ND<500	--	--	--	--	--	--
04/26/04	160	--	ND<50	--	--	--	--	--	--
07/22/04	330	--	ND<1000	--	--	--	--	--	--
10/29/04	200	--	ND<50	--	--	--	--	--	--
01/10/05	250	--	ND<50	--	--	--	--	--	--
06/15/05	360	--	ND<50	--	--	--	--	--	--
09/27/05	ND<200	79	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--
12/13/05	230	--	ND<250	--	--	--	--	--	--
03/23/06	260	--	ND<250	--	--	--	--	--	--
06/23/06	330	--	ND<250	--	--	--	--	--	--
09/26/06	260	--	ND<250	--	--	--	--	--	--
12/22/06	250	--	ND<250	--	--	--	--	--	--
03/30/07	210	--	ND<250	--	--	--	--	--	--
06/28/07	290	--	ND<250	--	--	--	--	--	--
09/25/07	210	--	ND<250	--	--	--	--	--	--
12/28/07	150	--	ND<250	--	--	--	--	--	--
03/22/08	230	--	ND<250	--	--	--	--	--	--
06/23/08	130	--	ND<250	--	--	--	--	--	--

TRC

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5043

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)
MW-3 continued									
09/19/08	93	--	ND<250	--	--	--	--	--	--
12/31/08	110	--	ND<250	--	--	--	--	--	--
03/27/09	130	--	ND<250	--	--	--	--	--	--
MW-4									
08/31/92	90	--	--	--	--	--	--	--	--
11/30/92	61	--	--	--	--	--	--	--	--
02/04/93	ND	--	--	--	--	--	--	--	--
05/04/93	ND	--	--	--	--	--	--	--	--
08/04/93	81	--	--	--	--	--	--	--	--
11/03/93	68	--	--	--	--	--	--	--	--
02/07/94	ND	--	--	--	--	--	--	--	--
05/19/94	90	--	--	--	--	--	--	--	--
08/15/94	72	--	--	--	--	--	--	--	--
11/14/94	ND	--	--	--	--	--	--	--	--
MW-5									
08/31/92	690	--	--	--	--	--	--	--	--
11/30/92	470	--	--	--	--	--	--	--	ND
02/04/93	5500	--	--	--	--	--	--	--	ND
05/04/93	4600	--	--	--	--	--	--	--	ND
08/04/93	970	--	--	--	--	--	--	--	ND
11/03/93	2100	--	--	--	--	--	--	--	--
02/07/94	830	--	--	--	--	--	--	--	--
05/19/94	600	--	--	--	--	--	--	--	--
08/15/94	860	--	--	--	--	--	--	--	--
11/14/94	290	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5043

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)
MW-6									
08/31/92	750	--	--	--	--	--	--	--	--
11/30/92	1400	--	--	--	--	--	--	--	--
02/04/93	890	--	--	--	--	--	--	--	--
05/04/93	1800	--	--	--	--	--	--	--	--
08/04/93	1100	--	--	--	--	--	--	--	--
11/03/93	390	--	--	--	--	--	--	--	--
02/07/94	970	--	--	--	--	--	--	--	--
05/19/94	1400	--	--	--	--	--	--	--	--
08/15/94	790	--	--	--	--	--	--	--	--
11/14/94	800	--	--	--	--	--	--	--	--
02/21/95	730	--	--	--	--	--	--	--	--
01/20/00	67600	--	--	--	--	--	--	--	--
04/13/00	8700	--	--	--	--	--	--	--	--
07/14/00	133000	--	--	--	--	--	--	--	--
10/26/00	61000	--	--	--	--	--	--	--	--
01/03/01	929	--	--	--	--	--	--	--	--
04/04/01	18000	ND	ND	ND	ND	ND	ND	ND	--
07/17/01	20000	--	--	--	--	--	--	--	--
10/01/01	24000	--	--	--	--	--	--	--	--
01/31/02	11000	--	--	--	--	--	--	--	--
04/18/02	3500	--	--	--	--	--	--	--	--
07/28/02	27000	--	--	--	--	--	--	--	--
10/09/02	170000	--	--	--	--	--	--	--	--
01/02/03	66000	--	--	--	--	--	--	--	--
04/01/03	35000	--	--	--	--	--	--	--	--

TRC

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5043

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)
MW-6 continued									
07/01/03	11000	--	ND<25000	--	--	--	--	--	--
10/02/03	ND<50	--	ND<200000	--	--	--	--	--	--
01/09/04	20000	--	ND<50000	--	--	--	--	--	--
04/26/04	13000	--	ND<5000	--	--	--	--	--	--
07/22/04	33000	--	ND<300000	--	--	--	--	--	--
10/29/04	78000	--	ND<5000	--	--	--	--	--	--
01/10/05	12000	--	ND<5000	--	--	--	--	--	--
06/15/05	16000	--	ND<5000	--	--	--	--	--	--
09/27/05	2500	ND<10	ND<250	--	--	1.8	ND<0.50	ND<0.50	--
12/13/05	18000	--	ND<25000	--	--	--	--	--	--
03/23/06	73000	--	ND<25000	--	--	--	--	--	--
06/23/06	35000	--	ND<6200	--	--	--	--	--	--
09/26/06	22000	--	ND<25000	--	--	--	--	--	--
12/22/06	62000	--	ND<25000	--	--	--	--	--	--
03/30/07	62000	--	ND<5000	--	--	--	--	--	--
06/28/07	71000	--	ND<12000	--	--	--	--	--	--
09/25/07	58000	--	ND<12000	--	--	--	--	--	--
12/28/07	18000	--	ND<12000	--	--	--	--	--	--
03/22/08	68000	--	ND<12000	--	--	--	--	--	--
06/23/08	68000	--	ND<12000	--	--	--	--	--	--
09/19/08	180000	--	ND<6200	--	--	--	--	--	--
12/31/08	68000	--	ND<25000	--	--	--	--	--	--
03/27/09	170000	--	ND<25000	--	--	--	--	--	--
MW-7									
06/01/97	69	--	--	--	--	--	--	--	--

TRC

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5043

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)
MW-7 continued									
07/15/97	ND	--	--	--	--	--	--	--	--
10/09/97	190	--	--	--	--	--	--	--	--
01/14/98	65	--	--	--	--	--	--	--	--
04/01/98	ND	--	--	--	--	--	--	--	--
07/15/98	74	--	--	--	--	--	--	--	--
10/16/98	ND	--	--	--	--	--	--	--	--
01/25/99	ND	--	--	--	--	--	--	--	--
04/15/99	ND	--	--	--	--	--	--	--	--
07/14/99	69	--	--	--	--	--	--	--	--
10/21/99	ND	--	--	--	--	--	--	--	--
01/20/00	ND	--	--	--	--	--	--	--	--
04/13/00	ND	--	--	--	--	--	--	--	--
07/14/00	68.0	--	--	--	--	--	--	--	--
07/17/01	ND	--	--	--	--	--	--	--	--
10/01/01	ND<51	--	--	--	--	--	--	--	--
01/31/02	90	--	--	--	--	--	--	--	--
04/18/02	78	--	--	--	--	--	--	--	--
07/28/02	ND<50	--	--	--	--	--	--	--	--
10/09/02	ND<96	--	--	--	--	--	--	--	--
01/03/03	78	--	--	--	--	--	--	--	--
04/01/03	67	--	--	--	--	--	--	--	--
07/01/03	68	--	ND<500	--	--	--	--	--	--
10/02/03	82	--	ND<500	--	--	--	--	--	--
01/09/04	75	--	ND<500	--	--	--	--	--	--
04/26/04	ND<50	--	ND<50	--	--	--	--	--	--

TRC

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5043

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)
MW-7 continued									
07/22/04	ND<200	--	ND<1000	--	--	--	--	--	--
10/29/04	54	--	ND<50	--	--	--	--	--	--
01/10/05	ND<50	--	ND<50	--	--	--	--	--	--
06/15/05	ND<50	--	ND<50	--	--	--	--	--	--
09/27/05	ND<200	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--
12/13/05	ND<200	--	ND<250	--	--	--	--	--	--
03/23/06	ND<200	--	ND<250	--	--	--	--	--	--
06/23/06	ND<200	--	ND<250	--	--	--	--	--	--
09/26/06	ND<50	--	ND<250	--	--	--	--	--	--
12/22/06	630	--	ND<250	--	--	--	--	--	--
03/30/07	94	--	ND<250	--	--	--	--	--	--
06/28/07	ND<50	--	ND<250	--	--	--	--	--	--
09/25/07	ND<50	--	ND<250	--	--	--	--	--	--
12/28/07	75	--	ND<250	--	--	--	--	--	--
03/22/08	ND<50	--	ND<250	--	--	--	--	--	--
06/23/08	ND<50	--	ND<250	--	--	--	--	--	--
09/19/08	ND<50	--	ND<250	--	--	--	--	--	--
12/31/08	ND<50	--	ND<250	--	--	--	--	--	--
03/27/09	ND<50	--	ND<250	--	--	--	--	--	--
MW-8									
06/01/97	320	--	--	--	--	--	--	--	--
07/15/97	ND	--	--	--	--	--	--	--	--
10/09/97	390	--	--	--	--	--	--	--	--
01/14/98	230	--	--	--	--	--	--	--	--
04/01/98	510	--	--	--	--	--	--	--	--

TRC

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5043

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)
MW-8 continued									
07/15/98	140	--	--	--	--	--	--	--	--
10/16/98	170	--	--	--	--	--	--	--	--
01/25/99	ND	--	--	--	--	--	--	--	--
04/15/99	91	--	--	--	--	--	--	--	--
07/14/99	120	--	--	--	--	--	--	--	--
10/21/99	110	--	--	--	--	--	--	--	--
01/20/00	583	--	--	--	--	--	--	--	--
04/13/00	80	--	--	--	--	--	--	--	--
07/14/00	113	--	--	--	--	--	--	--	--
07/17/01	ND	--	--	--	--	--	--	--	--
10/01/01	ND<50	--	--	--	--	--	--	--	--
01/31/02	260	--	--	--	--	--	--	--	--
04/18/02	160	--	--	--	--	--	--	--	--
07/28/02	140	--	--	--	--	--	--	--	--
10/09/02	120	--	--	--	--	--	--	--	--
01/02/03	210	--	--	--	--	--	--	--	--
04/01/03	220	--	--	--	--	--	--	--	--
07/01/03	170	--	ND<500	--	--	--	--	--	--
10/02/03	350	--	ND<500	--	--	--	--	--	--
01/09/04	180	--	ND<500	--	--	--	--	--	--
04/26/04	100	--	ND<50	--	--	--	--	--	--
07/22/04	250	--	ND<1000	--	--	--	--	--	--
10/29/04	120	--	ND<50	--	--	--	--	--	--
01/10/05	140	--	ND<50	--	--	--	--	--	--
06/15/05	140	--	ND<50	--	--	--	--	--	--

TRC

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5043

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)
MW-8 continued									
09/27/05	ND<200	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--
12/13/05	ND<200	--	ND<250	--	--	--	--	--	--
03/23/06	ND<200	--	ND<250	--	--	--	--	--	--
06/23/06	ND<230	--	ND<250	--	--	--	--	--	--
09/26/06	110	--	ND<250	--	--	--	--	--	--
12/22/06	100	--	ND<250	--	--	--	--	--	--
03/30/07	120	--	ND<250	--	--	--	--	--	--
06/28/07	140	--	ND<250	--	--	--	--	--	--
09/25/07	110	--	ND<250	--	--	--	--	--	--
12/28/07	110	--	ND<250	--	--	--	--	--	--
03/22/08	ND<50	--	ND<250	--	--	--	--	--	--
06/23/08	ND<58	--	ND<250	--	--	--	--	--	--
09/19/08	79	--	ND<250	--	--	--	--	--	--
12/31/08	110	--	ND<250	--	--	--	--	--	--
03/27/09	89	--	ND<250	--	--	--	--	--	--
MW-9									
02/21/95	71	--	--	--	--	--	--	--	--
05/18/95	ND	--	--	--	--	--	--	--	--
08/17/95	ND	--	--	--	--	--	--	--	--
07/26/96	98	--	--	--	--	--	--	--	--
10/28/96	99	--	--	--	--	--	--	--	--
01/29/97	54	--	--	--	--	--	--	--	--
04/15/97	94	--	--	--	--	--	--	--	--
07/15/97	ND	--	--	--	--	--	--	--	--
10/09/97	160	--	--	--	--	--	--	--	--

TRC

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5043

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)
MW-9 continued									
01/14/98	110	--	--	--	--	--	--	--	--
04/01/98	110	--	--	--	--	--	--	--	--
07/15/98	200	--	--	--	--	--	--	--	--
10/16/98	ND	--	--	--	--	--	--	--	--
01/25/99	ND	--	--	--	--	--	--	--	--
04/15/99	ND	--	--	--	--	--	--	--	--
07/14/99	140	--	--	--	--	--	--	--	--
10/21/99	210	--	--	--	--	--	--	--	--
01/20/00	519	--	--	--	--	--	--	--	--
04/13/00	81	--	--	--	--	--	--	--	--
07/14/00	107	--	--	--	--	--	--	--	--
10/26/00	240	--	--	--	--	--	--	--	--
01/03/01	164	--	--	--	--	--	--	--	--
04/04/01	240	--	--	--	--	--	--	--	--
07/17/01	ND	--	--	--	--	--	--	--	--
10/01/01	ND<52	--	--	--	--	--	--	--	--
01/31/02	200	--	--	--	--	--	--	--	--
04/18/02	ND<50	--	--	--	--	--	--	--	--
07/28/02	ND<50	--	--	--	--	--	--	--	--
10/09/02	100	--	--	--	--	--	--	--	--
01/02/03	ND<50	--	--	--	--	--	--	--	--
04/01/03	56	--	--	--	--	--	--	--	--
07/01/03	ND<50	--	ND<500	--	--	--	--	--	--
10/02/03	ND<50	--	ND<500	--	--	--	--	--	--
01/09/04	91	--	ND<500	--	--	--	--	--	--

TRC

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5043

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)
MW-9 continued									
04/26/04	ND<50	--	ND<50	--	--	--	--	--	--
07/22/04	ND<200	--	ND<1000	--	--	--	--	--	--
10/29/04	76	--	ND<50	--	--	--	--	--	--
01/10/05	77	--	ND<50	--	--	--	--	--	--
06/15/05	67	--	ND<50	--	--	--	--	--	--
09/27/05	ND<200	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--
12/13/05	ND<200	--	ND<250	--	--	--	--	--	--
03/23/06	ND<200	--	ND<250	--	--	--	--	--	--
06/23/06	ND<200	--	ND<250	--	--	--	--	--	--
09/26/06	ND<50	--	ND<250	--	--	--	--	--	--
12/22/06	150	--	ND<250	--	--	--	--	--	--
03/30/07	72	--	ND<250	--	--	--	--	--	--
06/28/07	1000	--	ND<250	--	--	--	--	--	--
09/25/07	100	--	ND<250	--	--	--	--	--	--
12/28/07	56	--	ND<250	--	--	--	--	--	--
03/22/08	ND<50	--	ND<250	--	--	--	--	--	--
06/23/08	ND<50	--	ND<250	--	--	--	--	--	--
09/19/08	56	--	ND<250	--	--	--	--	--	--
12/31/08	ND<50	--	ND<250	--	--	--	--	--	--
03/27/09	ND<50	--	ND<250	--	--	--	--	--	--
MW-10									
02/21/95	270	--	--	--	--	--	--	--	--
05/18/95	75	--	--	--	--	--	--	--	--
08/17/95	ND	--	--	--	--	--	--	--	--
07/26/96	ND	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5043

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)
MW-10	**continued**								
10/28/96	ND	--	--	--	--	--	--	--	--
01/29/97	ND	--	--	--	--	--	--	--	--
04/15/97	ND	--	--	--	--	--	--	--	--
07/15/97	ND	--	--	--	--	--	--	--	--
10/09/97	ND	--	--	--	--	--	--	--	--
04/01/98	62	--	--	--	--	--	--	--	--
07/15/98	78	--	--	--	--	--	--	--	--
10/16/98	ND	--	--	--	--	--	--	--	--
01/25/99	ND	--	--	--	--	--	--	--	--
04/15/99	ND	--	--	--	--	--	--	--	--
07/14/99	180	--	--	--	--	--	--	--	--
10/21/99	96	--	--	--	--	--	--	--	--
01/20/00	252	--	--	--	--	--	--	--	--
04/13/00	69	--	--	--	--	--	--	--	--
07/14/00	149	--	--	--	--	--	--	--	--
10/26/00	83	--	--	--	--	--	--	--	--
01/03/01	126	--	--	--	--	--	--	--	--
04/04/01	75	--	--	--	--	--	--	--	--
07/17/01	ND	--	--	--	--	--	--	--	--
10/01/01	100	--	--	--	--	--	--	--	--
01/31/02	170	--	--	--	--	--	--	--	--
04/18/02	130	--	--	--	--	--	--	--	--
07/28/02	58	--	--	--	--	--	--	--	--
10/09/02	ND<94	--	--	--	--	--	--	--	--
01/02/03	64	--	--	--	--	--	--	--	--

TRC

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5043

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)
MW-10 continued									
04/01/03	76	--	--	--	--	--	--	--	--
07/01/03	87	--	ND<500	--	--	--	--	--	--
10/02/03	160	--	ND<500	--	--	--	--	--	--
01/09/04	74	--	ND<500	--	--	--	--	--	--
04/26/04	ND<50	--	ND<50	--	--	--	--	--	--
07/22/04	ND<200	--	ND<1000	--	--	--	--	--	--
10/29/04	ND<50	--	ND<50	--	--	--	--	--	--
01/10/05	94	--	ND<50	--	--	--	--	--	--
06/15/05	62	--	ND<50	--	--	--	--	--	--
09/27/05	ND<200	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--
12/13/05	ND<200	--	ND<250	--	--	--	--	--	--
03/23/06	ND<200	--	ND<250	--	--	--	--	--	--
06/23/06	ND<200	--	ND<250	--	--	--	--	--	--
09/26/06	ND<50	--	ND<250	--	--	--	--	--	--
12/22/06	81	--	ND<250	--	--	--	--	--	--
03/30/07	82	--	ND<250	--	--	--	--	--	--
06/28/07	57	--	ND<250	--	--	--	--	--	--
09/25/07	82	--	ND<250	--	--	--	--	--	--
12/28/07	62	--	ND<250	--	--	--	--	--	--
03/22/08	ND<50	--	ND<250	--	--	--	--	--	--
06/23/08	ND<50	--	ND<250	--	--	--	--	--	--
09/19/08	ND<50	--	ND<250	--	--	--	--	--	--
12/31/08	ND<50	--	ND<250	--	--	--	--	--	--
03/27/09	730	--	ND<250	--	--	--	--	--	--

Appendix D
Site Maps with Contamination Contours

SCM

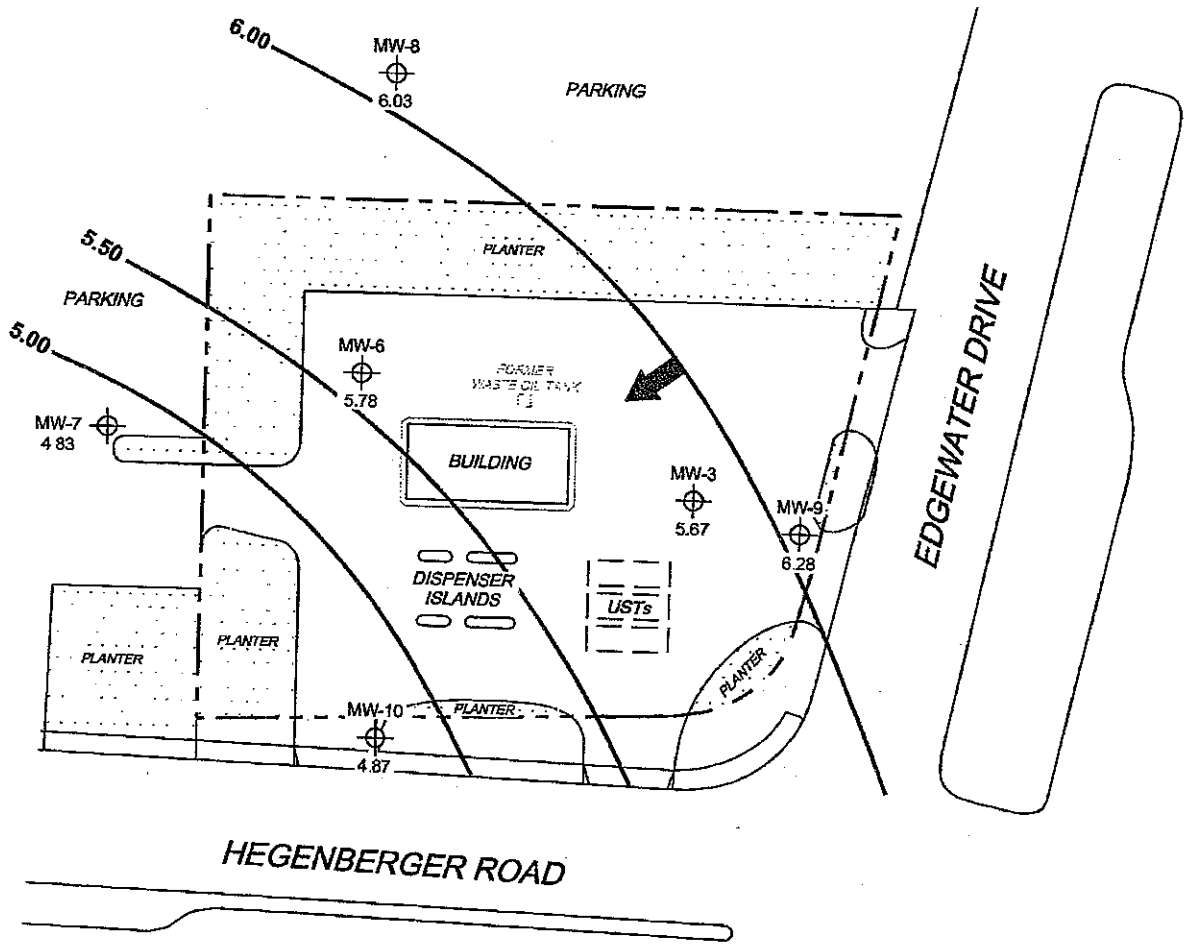
APPENDIX D

LEGEND

MW-10 ⊕ Monitoring Well with Groundwater Elevation (feet)

6.00 — Groundwater Elevation Contour

General Direction of Groundwater Flow



NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells
Elevations are in feet above mean sea level UST = underground storage tank.

SCALE (FEET)

0 60

TRC

PROJECT: 165521

FACILITY:

76 STATION 5043
449 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP
March 27, 2009

FIGURE 2

MS=1:60 5043-003 L:\Graphics\QMS NORTH-SOUTH\x-5000\5043+\5043QMS(NEW).DWG Apr 10, 2009 - 11:59am bschmidt

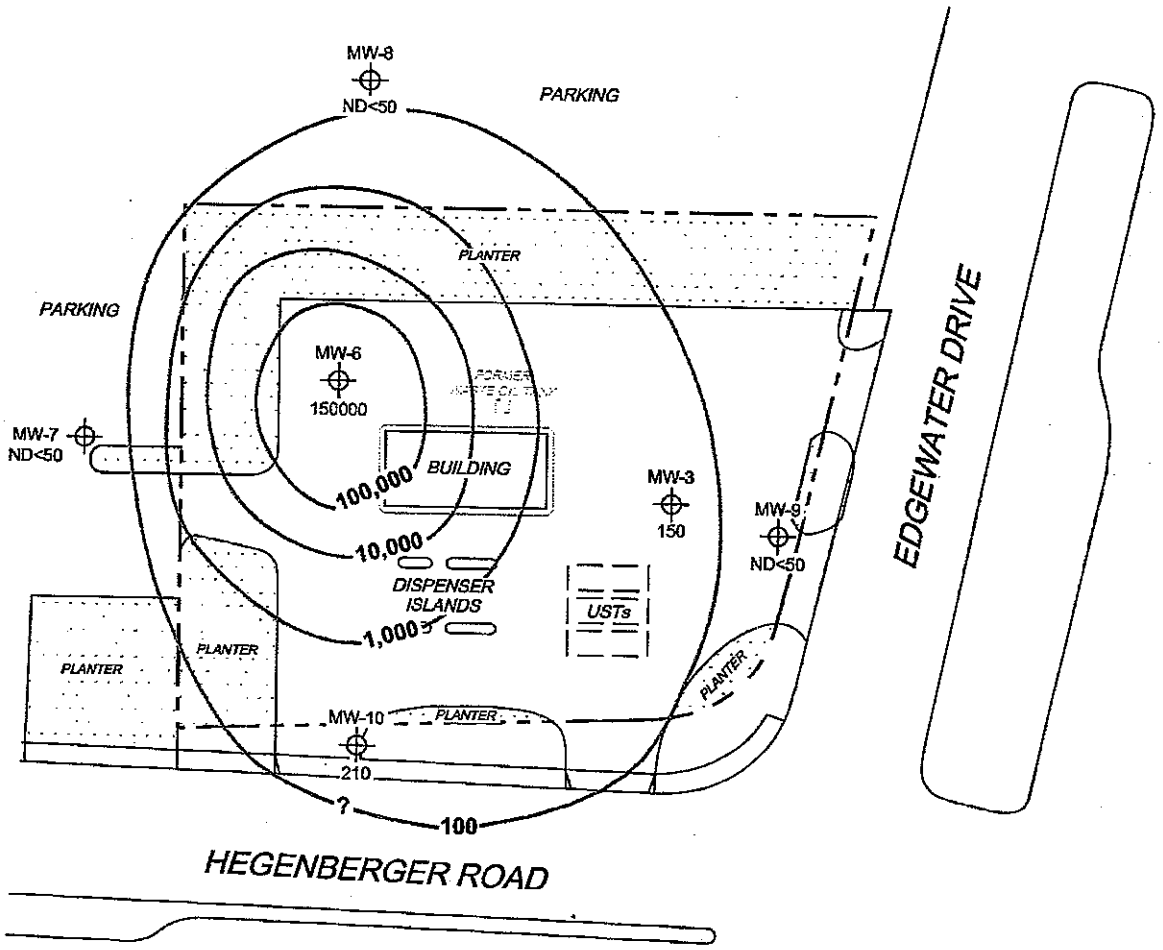
SCM

APPENDIX D

LEGEND

MW-10 ⊕ Monitoring Well with Dissolved-Phase TPH-G (GC/MS) Concentration (µg/l)

—100,000— Dissolved-Phase TPH-G (GC/MS) Contour (µg/l)



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. TPH-G (GC/MS) = total petroleum hydrocarbons with gasoline distinction utilizing EPA Method 8260B. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank.

SCALE (FEET)

0 60

TRC	PROJECT: 165521 FACILITY: 76 STATION 5043 449 HEGENBERGER ROAD OAKLAND, CALIFORNIA	**DISSOLVED-PHASE TPH-G (GC/MS) CONCENTRATION MAP** **March 27, 2009** **FIGURE 3**

MS=1:60 5043-003 L:\Graphics\GMS NORTH-SOUTH\x-5000\5043+\5043GMS(NEW).DWG Apr 10, 2009 - 12:06pm bachmidt

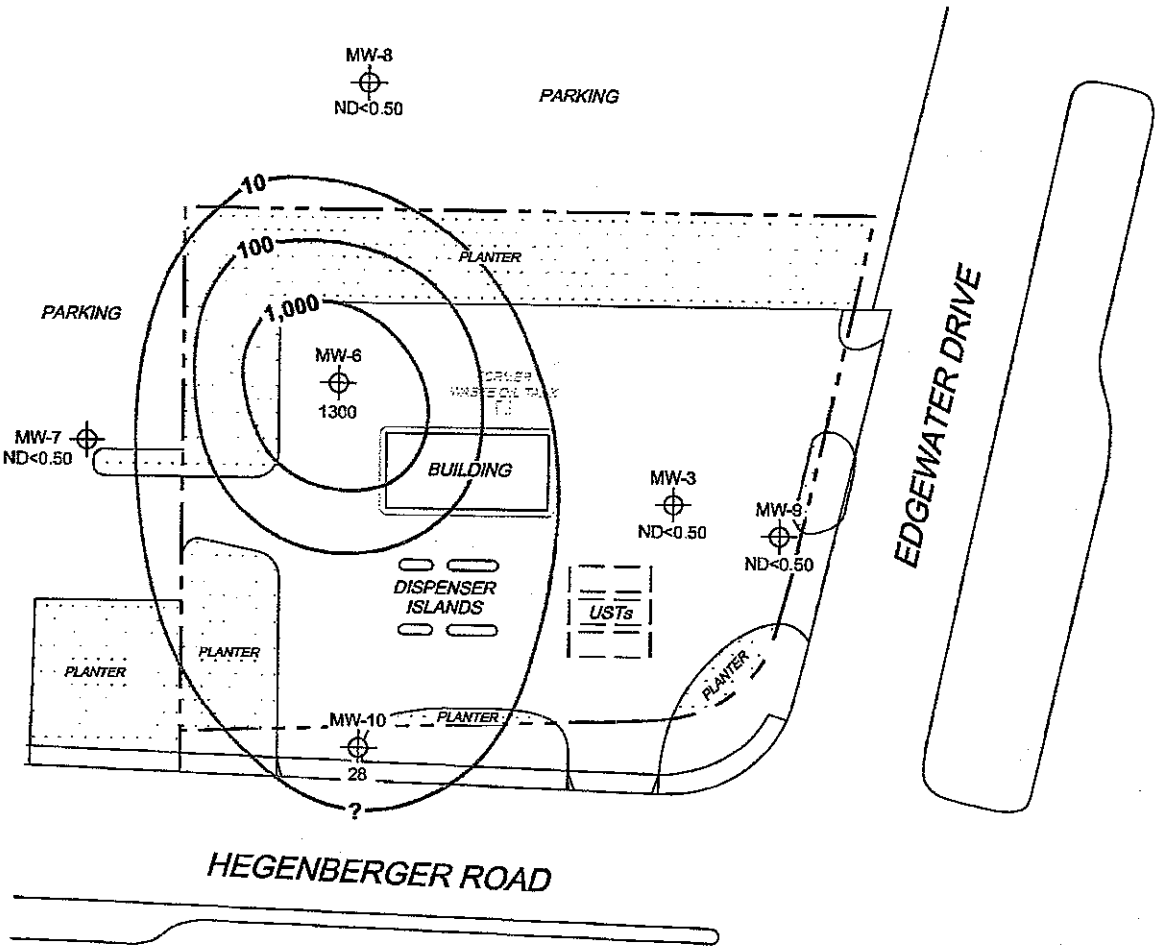
SCM

APPENDIX D

LEGEND

MW-10 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)

—1,000— Dissolved-Phase Benzene Contour (µg/l)



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples.
µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report
UST = underground storage tank.

SCALE (FEET)

0 60

TRC

PROJECT: 165521

FACILITY:
76 STATION 5043
449 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
March 27, 2009

FIGURE 4

MS=1:60 5043-003 L:\Graphics\GMS NORTH-SOUTH\x-5000\5043+\5043GMS(NEW).DWG Apr 10, 2009 - 12:19pm bschmidt

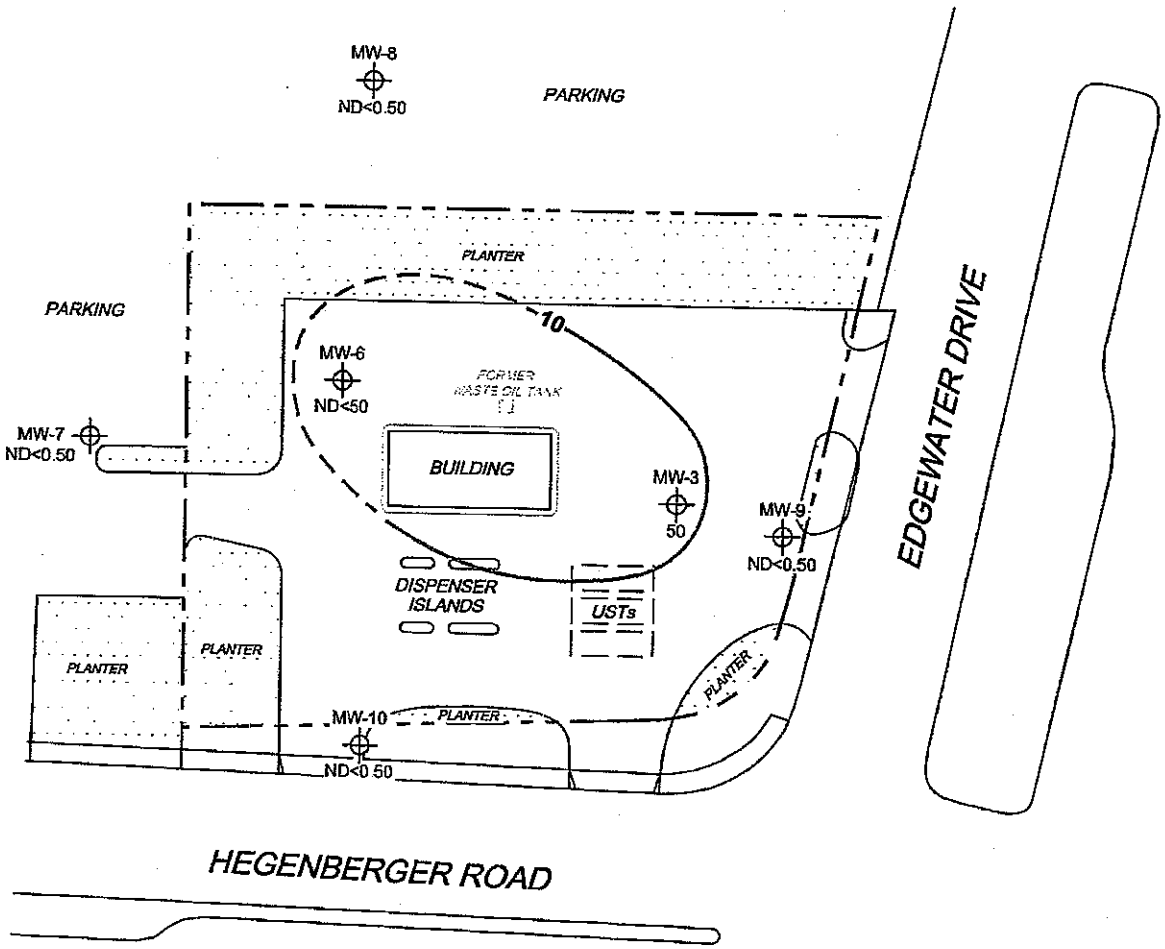
SCM

APPENDIX D

LEGEND

MW-10 ⊕ Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

—10— Dissolved-Phase MTBE Contour (µg/l)



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. Dashes indicate contour based on non-detect at elevated detection limit. UST = underground storage tank. Results obtained using EPA Method 8260B.

SCALE (FEET)

0 60

TRC

PROJECT: 165521

FACILITY:

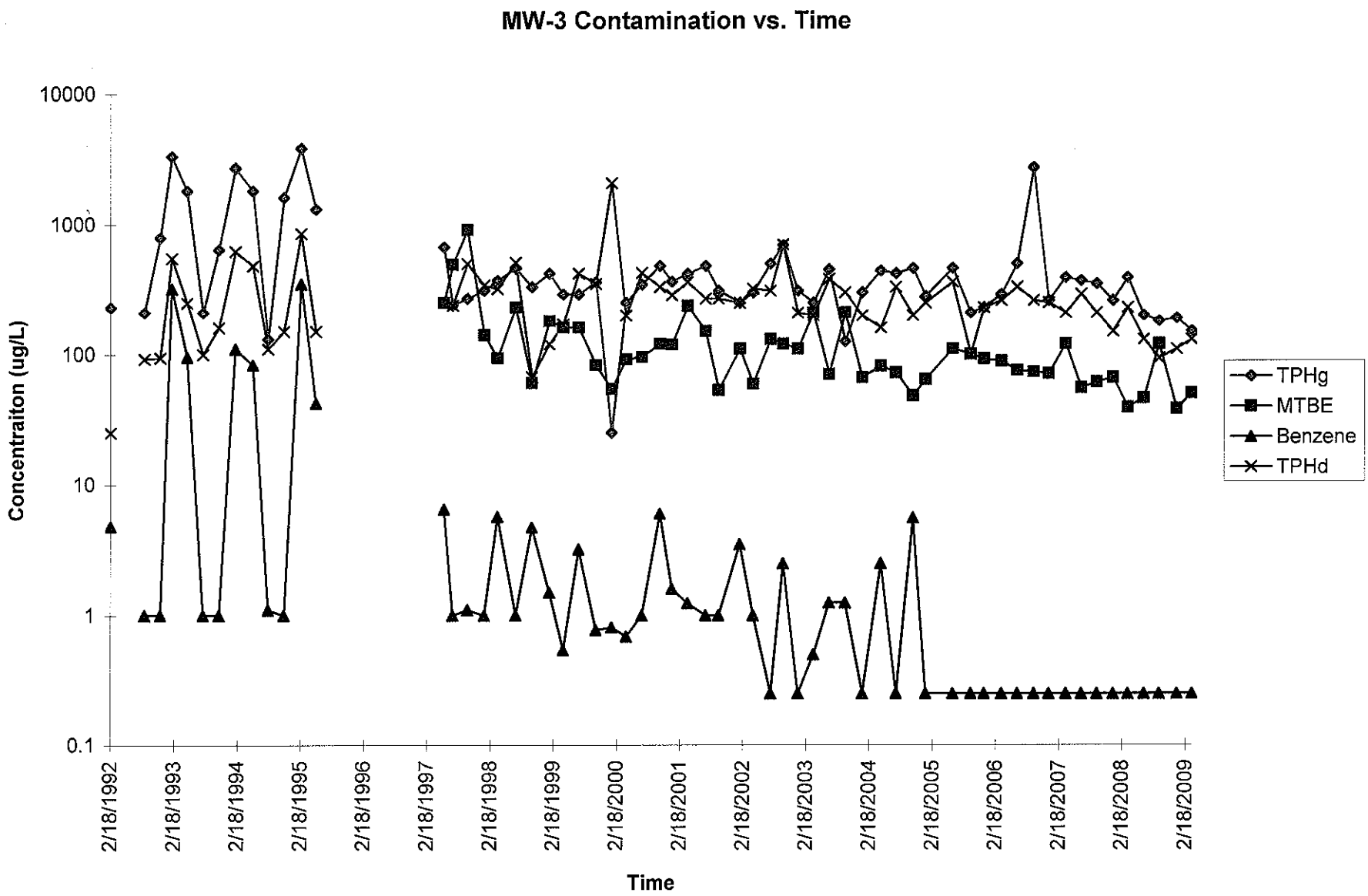
76 STATION 5043
449 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

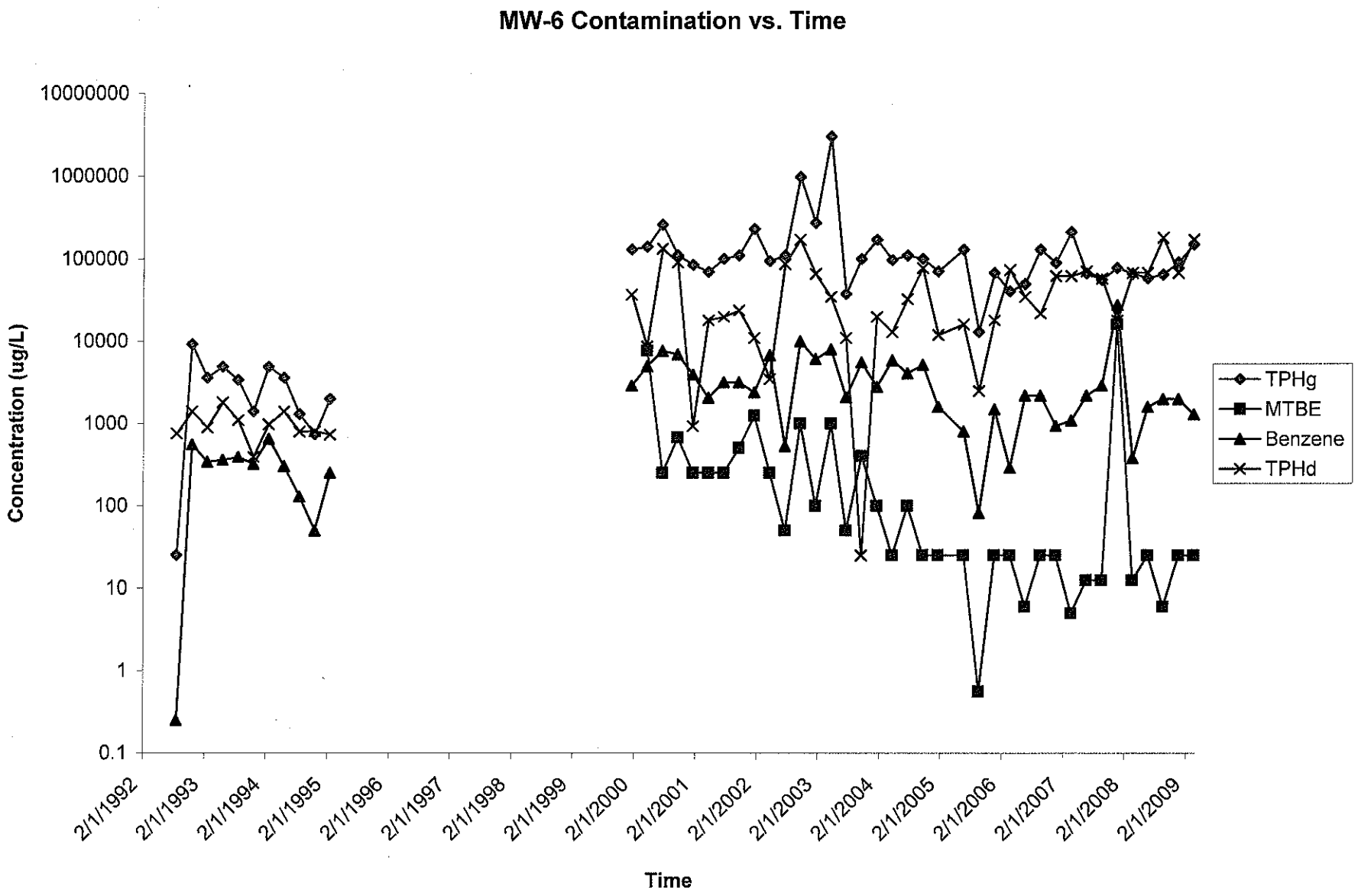
DISSOLVED-PHASE MTBE CONCENTRATION MAP
March 27, 2009

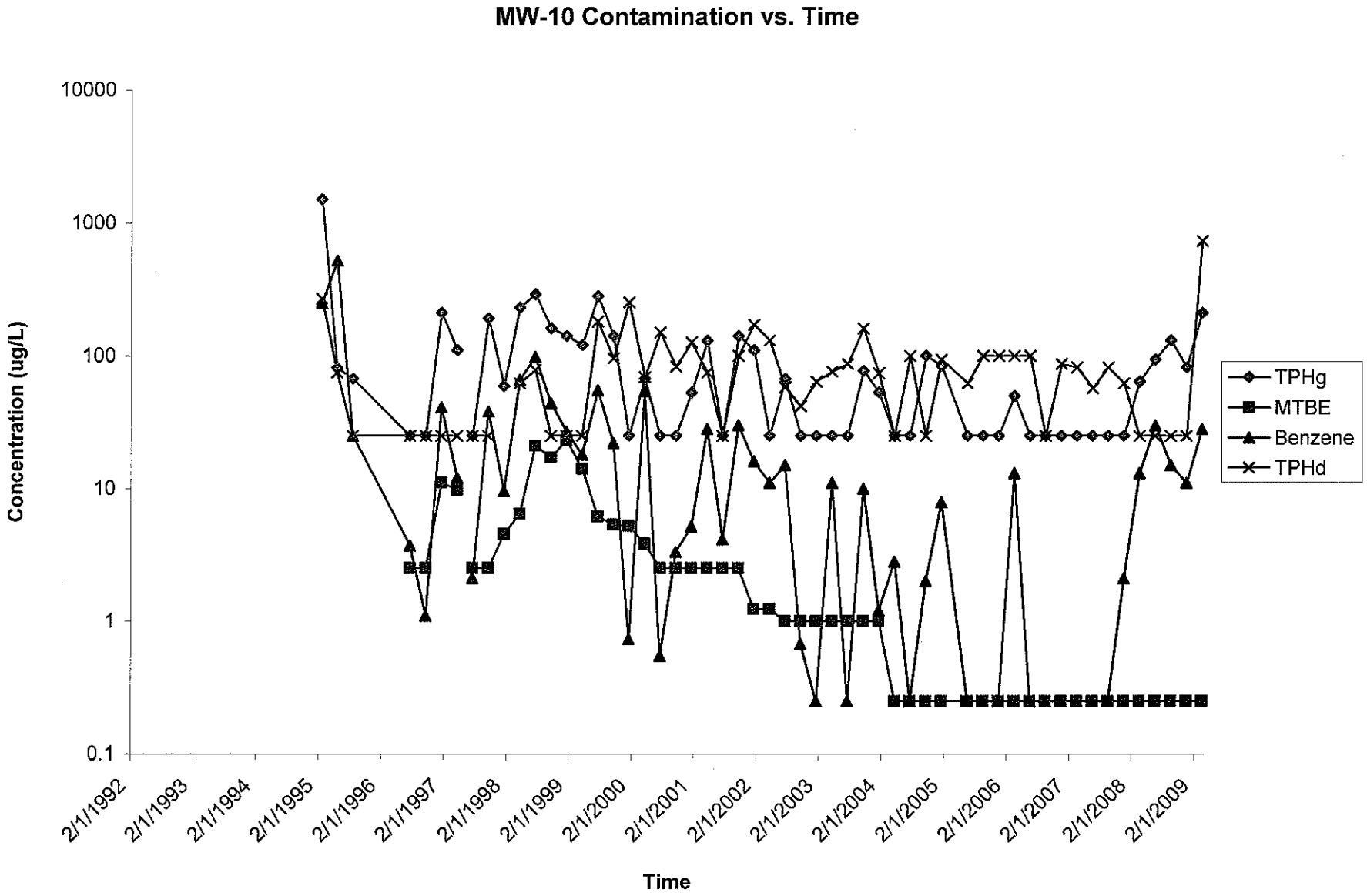
FIGURE 5

MS=1:60 5043-003 L:\Graphics\QMS NORTH-SOUTH\x-50005043+15043QMS(NEW).DWG Apr 10, 2009 - 12:27pm bschmidt

Appendix E
Contamination vs. Time Graphs


MW-3 Contamination vs. Time
Concentraiton (ug/L)
10000
1000
100
10
1
0.1
2/18/1992
2/18/1993
2/18/1994
2/18/1995
2/18/1996
2/18/1997
2/18/1998
2/18/1999
2/18/2000
2/18/2001
2/18/2002
2/18/2003
2/18/2004
2/18/2005
2/18/2006
2/18/2007
2/18/2008
2/18/2009
Time
TPHg
MTBE
Benzene
TPHd


MW-6 Contamination vs. Time
Concentration (ug/L)
10000000
1000000
100000
10000
1000
100
10
1
0.1
2/1/1992
2/1/1993
2/1/1994
2/1/1995
2/1/1996
2/1/1997
2/1/1998
2/1/1999
2/1/2000
2/1/2001
2/1/2002
2/1/2003
2/1/2004
2/1/2005
2/1/2006
2/1/2007
2/1/2008
2/1/2009
Time
TPHg
MTBE
Benzene
TPHd


MW-10 Contamination vs. Time
Concentration (ug/L)
10000
1000
100
10
1
0.1
2/1/1992
2/1/1993
2/1/1994
2/1/1995
2/1/1996
2/1/1997
2/1/1998
2/1/1999
2/1/2000
2/1/2001
2/1/2002
2/1/2003
2/1/2004
2/1/2005
2/1/2006
2/1/2007
2/1/2008
2/1/2009
Time
TPHg
MTBE
Benzene
TPHd

Appendix F
Soil Analytical Tables

KEI-P91-1004.R7
June 2, 1995

TABLE 7

SUMMARY OF LABORATORY ANALYSES
SOIL

Date	Sample	Depth (feet)	TPH as Diesel	TPH as Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes
10/25/91	P1	3	420	3,200	33	120	110	540
	P2	3	8,400	9,000	46	120	330	1,500
	P3	3	1,100	7,100	48	410	220	1,200
	P4	3	460	370	7.4	39	12	77

ND = Non-detectable.

Results are in milligrams per kilogram (mg/kg), unless otherwise indicated.

KEI-P91-1004.R7
June 2, 1995

TABLE 5

SUMMARY OF LABORATORY ANALYSES
SOIL

Date	Sample Number	TPH as Diesel	TPH as Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes
2/05/92	MW1(2.5)	1,200	14,000	160	680	470	2,400
	MW2(3.5)	2,400	9,000	74	440	280	1,400
	MW2(4.5)	29	31	2.4	0.14	3.0	9.0
	MW3(3)	49	ND	ND	ND	ND	0.011
	MW3(4.5)	ND	ND	ND	ND	ND	ND
8/21/92	MW4(5)	ND	ND	ND	ND	ND	0.0066
	MW5(6)	43*	340	1.1	1.2	7.8	13
	MW6(5)	1.2	3.7	0.90	ND	1.0	0.05
1/25/95	MW9(3)	2.6**	1.7	0.016	ND	ND	ND
	MW10(2.5)	17**	44	2.0	1.5	2.3	5.4

NOTE: The soil samples were collected at the depths below grade indicated in the ( ) of the respective sample number.

* Sequoia Analytical Laboratory reported that the hydrocarbons detected appeared to be a diesel and non-diesel mixture.

** Sequoia Analytical Laboratory reported that the hydrocarbons detected did not appear to be diesel.

ND = Non-detectable.

Results are in milligrams per kilogram (mg/kg), unless otherwise indicated.

TABLE 4

SUMMARY OF LABORATORY ANALYSES
SOIL

Date	Sample Number	TPH as Diesel	TPH as Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE
4/21/97	MW8(6)	ND	1.3	0.0051	ND	0.015	0.041	ND

NOTE: The soil sample was collected at the depths below grade indicated in the ( ) of the respective sample number.

ND = Non-detectable.

Results are in milligrams per kilogram (mg/kg), unless otherwise indicated.

KEI-P91-1004.R7
June 2, 1995

TABLE 1

SUMMARY OF LABORATORY ANALYSES
SOIL

Date	Sample	Depth (feet)	TPH as Diesel	TPH as Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes
3/10/95	SW1	8.0	--	11	2.8	ND	1.6	0.067
	SW2	8.0	--	11	3.8	ND	0.79	0.034
	SW2(4)	4.0	140	2,000	ND	53	42	240
	SW3	8.0	ND	1.0	0.009	0.006	0.007	0.014
	SW4	8.0	1.8	ND	ND	ND	ND	ND
	SW5	8.0	1.4	ND	ND	ND	ND	ND
	SW6	8.0	--	ND	ND	ND	ND	ND
	SW7	8.0	--	ND	ND	ND	ND	ND
	SW8	8.0	--	140	2.6	5.3	2.7	12
3/24/95	D1	3.0	46	760	1.5	19	15	73
	D2	3.0	97	1,200	1.6	16	22	110
3/28/95	B1	6.0	ND	ND	0.13	0.026	0.0088	0.059
	B2	6.0	ND	3.4	2.8	0.041	0.19	0.28
	B3	6.0	ND	ND	ND	0.010	ND	0.017
	B4	6.0	ND	ND	ND	0.017	ND	0.032
	BD1	6.0	ND	ND	0.21	0.011	0.018	0.038
	BD2	6.0	4.8	12	2.6	0.68	0.56	1.7
	BD3	6.0	ND	ND	0.012	0.014	0.012	0.043
	BD4	6.0	ND	ND	ND	0.011	0.0072	0.037
	S1	4.0	ND	110	3.5	0.61	7.0	13
	S2	4.0	9.4	1.4	0.028	0.012	0.015	0.019
	S3	4.0	2.9	22	1.2	1.2	0.65	1.9
	S4	4.0	5.8	150	6.8	5.6	5.3	27
3/31/95	RF1	3.0	330	2,000	8.8	68	55	280
	RF2	3.0	230	3,300	18	160	110	550
4/03/95	SW8(6)	8.0	ND	ND	0.0085	ND	0.0084	0.011
	FB1	4.5	8.6	25	2.1	0.058	2.2	1.3
	FB2*	4.5	1.6	7.1	0.40	0.018	0.81	1.7
	FB3*	4.5	ND	1.6	0.028	ND	0.13	0.26
	FB4	4.5	ND	1.4	0.23	0.022	0.050	0.15
	FBSW1	3.0	1.3	7.4	0.066	0.021	1.0	ND
	FBSW2	3	7.6	70	0.11	0.096	2.1	6.7
	FBSW3	3.0	7.8	2.3	0.012	0.010	0.018	0.012
	FBSW4	3.0	3.7	9.0	0.25	0.036	0.93	0.062

SCM

APPENDIX C

KEI-P91-1004.R7
June 2, 1995

TABLE 1 (Continued)

SUMMARY OF LABORATORY ANALYSES
SOIL

Date	Sample	Depth (feet)	TPH as Diesel	TPH as Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes
4/05/95	MW1SW1	5.0	2.8	25	2.1	0.025	2.4	0.19
	MW1SW2	5.0	1.2	4.2	0.17	0.010	0.68	0.048
	WE1	4.5	3.4	26	0.31	0.30	0.59	2.6
	WE2	4.5	5.1	2.7	0.0054	0.0065	0.038	0.17
	WE3	4.5	1.6	8.2	0.21	0.074	1.6	0.0076
	FS-1	4.0	ND	12	0.28	ND	1.5	0.016

-- Indicates analysis was not performed.

ND = Non-detectable.

* TPH as hydraulic fluid was non-detectable.

Results are in milligrams per kilogram (mg/kg), unless otherwise indicated.

SCM

APPENDIX C