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November 21, 2012

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RE: Low-Threat Closure Request and Conceptual Site Model
500 Bancroft Ave., San Leandro, California
Fuel Leak Case No.: RO0000499

RECEIVED
8:21 am, Nov 26, 2012
Alameda County
Environmental Health

Dear Mr. Nowell,

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 contact me at (925) 790-6270.

Sincerely,

Roya Kambin
Union Oil of California – Project Manager

Attachment
Low-Threat Closure Request and Conceptual Site Model

**Chevron Environmental Management
Company**

**Conceptual Site Model and
Request for Low-Threat Closure**

76 Service Station
No. 5367
500 Bancroft Avenue
San Leandro, California
ACEH CASE No. RO#0000499

November 20, 2012



Katherine Brandt

Katherine Brandt
Certified Project Manager

DS

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Principal Geologist



**Conceptual Site Model and
Request for Low-Threat
Closure**

76 Service Station
No. 5367
500 Bancroft Avenue
San Leandro, California
ACEH CASE No. RO#0000499

Prepared for:
Chevron Environmental Management
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Our Ref.:
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Date:
November 20, 2012

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Acronyms and Abbreviations

ACDEH	Alameda County Department of Environmental Health
AGS	Applied GeoSystems
ARCADIS	ARCADIS U.S., Inc.
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylenes
btoc	below top of casing
COPC	constituent of potential concern
CSM	conceptual site model
CSM and Closure Report	Conceptual Site Model and Request for Low-Threat Closure Report
Delta	Delta Consultants
DWR	Department of Water Resources
EBMUD	East Bay Municipal Utility District
GWE	groundwater extraction
lbs	pounds
Low-Threat Closure Policy	Low-Threat Underground Storage Tank Case Closure Policy
LPH	liquid phase hydrocarbons
LRL	laboratory reporting limit
MCL	California Department of Public Health's Maximum Contaminant Level
mg/kg	milligrams per kilogram
MTBE	methyl tertiary-butyl ether
SCR	Site Closure Request
SFRWQCB	San Francisco Regional Water Quality Control Board

site	76 Service Station No. 5367 located at 500 Bancroft Avenue, San Leandro California
SVE	soil vapor extraction
SWRCB	State Water Resources Control Board
TPH-d	total petroleum hydrocarbons as diesel
TPH-g	total petroleum hydrocarbons as gasoline
µg/L	micrograms per liter
USGS	U.S. Geological Survey
UST	underground storage tank
WQO	water quality objective

1. Introduction

ARCADIS U.S., Inc. (ARCADIS) has prepared this Conceptual Site Model and Request for Low-Threat Closure Report (CSM and Closure Report) as an addendum to the Site Closure Request (SCR) for 76 Service Station No. 5367 (the "site"; Figure 1) located at 500 Bancroft Avenue, San Leandro, California submitted on November 4, 2010. This CSM and Closure Report presents an evaluation of site conditions for low-threat closure under the State Water Resources Control Board's (SWRCB's) resolution 2012-0016, adopted on May 1, 2012, and effective on August 17, 2012, otherwise known as the Low-Threat Underground Storage Tank Case Closure Policy (UST Low-Threat Closure Policy; SWRCB 2012b). A completed Low-Threat Closure Checklist is included as Appendix A.

This CSM and Closure Report includes a comprehensive site assessment and remediation history, regional and site-specific geology and hydrogeology, review of the soil and groundwater conditions at the site (including the distribution of constituents of potential concern [COPCs]), and evaluation of human health exposure from site-related COPCs. Based on the information provided in the following sections, the site meets General and Media-Specific Criteria of the Low-Threat Closure Policy; therefore, ARCADIS requests that the site be considered for closure.

This CSM and Closure Report includes the following sections, in addition to this introductory section:

- Section 2 – A detailed site description.
- Section 3 – A conceptual site model (CSM).
- Section 4 – A detailed evaluation of current site conditions compared against closure criteria set forth in the newly adopted Low-Threat Closure Policy.
- Section 5 – Recommendations and conclusions.
- Section 6 – Explains the intention to cease groundwater monitoring and sampling.
- Section 7 – References.

2. Site Description

The site is an operating 76-branded service station located at 500 Bancroft Avenue, on the northeast corner of the intersection of Bancroft Avenue and Dowling Boulevard (Figure 1). The site is bordered by Dowling Boulevard to the north and northwest; Bancroft Avenue to the west and southwest; and multi-dwelling properties to the east, south, and southeast of the site.

Aboveground facilities at the site include a station building and two fuel dispenser islands. Belowground facilities at the site include three 12,000-gallon gasoline USTs located near the northwestern corner of the site. A site plan is presented on Figure 2.

3. Conceptual Site Model

The following sections summarize the CSM including a summary of site geology and hydrogeology, previous work, distribution of fuel hydrocarbons and oxygenates in the subsurface, and an evaluation of risks to human health and the environment.

3.1 Site Geology and Hydrogeology

The site is located in the East Bay Plain Sub-basin, which is bounded to the west by the San Francisco Bay. The East Bay Plain Sub-basin is an elongated, northwest trending flat alluvial plain encompassing approximately 115 square miles. The East Bay Plain is bounded on the west by San Francisco Bay, by San Pablo Bay to the north, and by the Hayward Fault to the east. The site area is underlain by Holocene-age alluvial deposits consisting of unconsolidated, poorly graded, permeable fine sands, silts, and clays with a few thin beds of coarse sand (Delta Consultants [Delta] 2008).

San Leandro and San Lorenzo Sub-areas of the East Bay Plain Sub-basin, of which the site is a part of, are very similar in hydrogeologic characteristics, but can be separated based on the surface trace of the junction between the San Leandro and San Lorenzo alluvial fans. The sub-areas are primarily filled with alluvial fans, but unlike the sub-areas to the north, the Yerba Buena Mud extends west into the San Lorenzo and San Leandro Sub-areas. It has been proposed that a clay layer forms an extensive east-west aquitard across this basin. Historically, there were municipal supply wells in these sub-areas that produced from upper Alameda gravels. These sub-areas were distinct from the Niles Cone basin to the south, in that the alluvial fans are finer-grained and produced less groundwater (Delta 2008).

Previous subsurface investigations at the site indicate that site soil conditions predominantly consist of clay, clayey and silty sand, and well-graded and poorly graded sand to approximately 48 feet below ground surface (bgs), the maximum depth explored (Delta 2008). Copies of available boring logs are provided in Appendix B.

Groundwater elevations at monitoring wells at the site have historically ranged from approximately 20.07 to 41.53 feet above mean sea level (or 16.39 to 38.87 feet below top of casing [btoc]). Historical groundwater data indicates a groundwater flow direction predominantly to the west and southwest. During the most recent groundwater monitoring event in the third quarter of 2012, groundwater flow was to the southwest at a hydraulic gradient of 0.005 foot per foot. The groundwater elevation contour map for the third quarter 2012 sampling event conducted on August 16, 2012 is presented on Figure 3. Current and historical water levels are included in Tables 1 and 2, respectively.

3.2 Summary of Previous Work

This section summarizes previous work, including site assessment and release history and site remediation activities. Historical soil data are included in Appendix C, and current and historical groundwater analytical results are included in Tables 1 and 2, respectively. As mentioned in Section 3.1 of this CSM and Closure Report, available boring log and monitoring well construction diagrams are included as Appendix B. Remediation data, including soil vapor extraction (SVE) and groundwater extraction (GWE) system operational and analytical data are provided in Appendix D.

3.2.1 Site Assessment and Release History

In 1987, the USTs and associated product piping were replaced. Approximately 250 cubic yards of impacted soil was excavated and removed from the site during replacement activities. A limited environmental investigation was performed by Applied GeoSystems (AGS) in 1987 and consisted of advancing one soil boring and installing groundwater monitoring well MW-1 at the site. Light non-aqueous phase liquids (LNAPL) (approximately ¼ inch) were observed in MW-1. Approximately 2.5 gallons of free product were removed from the well between September and November 1987 (AGS 1987).

In June 1988, AGS performed a soil vapor survey to delineate the distribution of hydrocarbons in the subsurface. Soil vapor samples were collected from 15 and 25 feet

bgs at seven locations, and no hydrocarbon vapors were detected in any of the samples collected (AGS 1988).

In September and October 1988, three additional monitoring wells (MW-2 through MW-4) were installed at the site by AGS. Based on the data from the investigation, the extent of impacted soil appeared limited to the area west and south of the UST tank pit at depths between 30 and 36 feet bgs (AGS 1990).

In February 1990, an additional onsite monitoring well (MW-5) and three offsite monitoring wells (MW-6 through MW-8) were installed by AGS. The data indicated that impacted groundwater was present at the site and offsite to the southwest. The extent of impacted soil and groundwater appeared to be to the east of the USTs and west of the site (AGS 1990). In 1994 and 1995, two additional monitoring wells (MW-9 and MW-10) were installed offsite, to the west and south of the site, respectively (Delta 2008).

Monitoring wells at the site were first sampled in October 1988. Quarterly groundwater monitoring and sampling at the site was conducted between February 1990 and March 1997. The monitoring frequency was reduced from quarterly to semiannually in March 1997, with subsequent sampling occurring during the first and third quarters. The current monitoring well network includes wells MW-1 through MW-10. Well locations are presented on Figure 2.

3.2.2 Remediation History

As discussed in Section 3.2.1 of this CSM and Closure Report, approximately 250 cubic yards of impacted soil were removed during the UST and product piping replacement activities that were performed in 1987. LNAPL (approximately ¼ inch) was observed in groundwater at MW-1 during the limited investigation activities of 1987 and approximately 2.5 gallons of free product were removed (AGS 1987).

Between March 1996 and March 1997, SVE and GWE remediation systems operated at the site. During this time, approximately 637,151 gallons of impacted groundwater were removed by the GWE system. An estimated 180 pounds (lbs) and 108 lbs of total petroleum hydrocarbons as gasoline (TPH-g) were removed by the SVE and GWE systems, respectively (Appendix D, Delta 2008).

In October 1998, the six product dispensers and associated product piping were removed and replaced. Approximately 30 cubic yards of soil was generated during the

removal activities for the product dispenser and piping at the site. Spill containment sumps at the tops of the existing USTs, spill containment boxes beneath the new product dispensers, and electronic leak detection were installed in October 1998 (Pacific Environmental Group, Inc. 1998).

3.3 Current and Historical Distribution of Residual Hydrocarbons and Oxygenates

Fuel hydrocarbon and oxygenate impacts to site soil and groundwater appear to have resulted from an undocumented release from the first- and/or second-generation service station facilities (i.e. USTs, product dispensers and associated piping). Subsurface fuel hydrocarbon and oxygenate concentrations have decreased over time as a result of remediation and natural biodegradation, and are likely to continue decreasing based on evaluation of the groundwater concentration trends for the site. The current distribution of residual petroleum hydrocarbons and fuel oxygenates in soil, groundwater, and soil gas are described in the following sections.

3.3.1 Soil

A total of 23 soil samples have been collected at the site at depths ranging from 5 to 38.5 feet bgs to characterize concentrations of fuel hydrocarbons and oxygenates in site soils (Appendix C). Soil sample locations are presented on Figure 2. Note that soil samples collected below approximately 16 feet bgs represent saturated soil conditions and, therefore, may not accurately represent vadose zone soil conditions due to potential interactions with groundwater. Generally, the highest concentrations of COPCs in soil were found near the UST area on the northwestern section of the site at depths greater than 10 feet bgs. The majority of soil samples at the site were collected prior to operation of the SVE and GWE system and may not be representative of post-remediation soil quality.

Maximum concentrations of fuel hydrocarbons and oxygenates from 0 to 5 feet bgs are summarized below:

Total petroleum hydrocarbons as diesel (TPH-d) were detected at a maximum concentration of 3.1 milligrams per kilogram (mg/kg) in the soil sample collected from P-1 at 3 feet bgs. TPH-g; benzene, toluene, ethylbenzene, and xylenes (BTEX collectively); and methyl tertiary-butyl ether (MTBE) were not detected in any of the soil samples collected from 0 to 5 feet bgs.

Maximum concentrations of fuel hydrocarbons and oxygenates in soils from 5 to 10 feet bgs are summarized below:

TPH-d was detected at a maximum concentration of 1.8 mg/kg in the soil sample collected from P-3 at 5.5 feet bgs. TPH-g, BTEX, and MTBE were not detected in any of the soil samples collected from 5 to 10 feet bgs.

Maximum concentrations of fuel hydrocarbons and oxygenates in soil samples greater than 10 feet bgs are summarized below:

Maximum concentrations of total petroleum hydrocarbons (3,692 mg/kg), ethylbenzene (65 mg/kg), toluene (129 mg/kg), and total xylenes (394 mg/kg) were observed in the soil sample collected from B-3 at 36 feet bgs in September 1988. Benzene was reported at a maximum concentration of 22.12 mg/kg in the soil sample collected from B-1 at 35 feet bgs in September 1987. COPC concentrations located in the saturated zone may not be representative of vadose zone impacts and are likely affected by dissolved-phase concentrations. In addition, maximum concentrations of COPCs in soil were observed in samples collected before remediation activities were performed at the site and may not be representative of current conditions.

3.3.2 Non-aqueous Phase Liquid

Liquid phase hydrocarbons (LPH) were measured in monitoring well MW-1 between September 1987 and April 1988. A maximum thickness of LPH of 0.38 feet was measured at MW-1 in November 1988. Approximately 2.5 gallons of free product were removed from MW-1 between September and November 1987 (AGS 1987). LPH has not been detected in MW-1 since April 1988, and there is currently no evidence of LPH at the site.

3.3.3 Groundwater

COPCs in site groundwater have been monitored since October 1988. The monitoring well network consists of a total of 10 wells (MW-1 through MW-10). Monitoring wells are sampled semiannually during the first and third quarters. Current groundwater analytical results are presented in Table 1 and historical groundwater analytical results are presented in Table 2. It should be noted that MW-10 was not sampled during the most recent groundwater monitoring event due to access restrictions. Concentrations

of COPCs in MW-10 have not been detected above their respective laboratory reporting limit (LRL) since 2011.

Dissolved-phase concentrations in groundwater samples collected as of the third quarter 2012 indicate the following:

- **TPH-g.** TPH-g concentrations at the site ranged from less than the LRL of 50 micrograms per liter ($\mu\text{g/L}$) (MW-2 through MW-7 and MW-9) to 2,500 $\mu\text{g/L}$ (MW-1, located on the northwestern portion of the site). The historical maximum concentration for TPH-g was 680,000 $\mu\text{g/L}$ at MW-1 on June 18, 1992.
- **Benzene.** Benzene was detected above the LRL of 0.50 $\mu\text{g/L}$ in the groundwater sample collected from MW-1 (2.4 $\mu\text{g/L}$) during the third quarter 2012 sampling event. All other groundwater samples did not detect benzene above the LRL of 0.50 $\mu\text{g/L}$. The historical maximum concentration for benzene was 9,000 $\mu\text{g/L}$ at MW-1 on June 18, 1992.
- **Ethylbenzene.** Ethylbenzene concentrations at the site ranged from less than the LRL of 0.50 $\mu\text{g/L}$ in monitoring wells MW-2 through MW-9 to 110 $\mu\text{g/L}$ in well MW-1. The historical maximum concentration for ethylbenzene was 8,300 $\mu\text{g/L}$ at MW-1 on December 29, 1995.
- **Toluene.** Toluene was not detected above the LRL of 0.50 $\mu\text{g/L}$ in any of the groundwater samples collected during the third quarter 2012. Toluene was reported at a historical maximum concentration of 41,000 $\mu\text{g/L}$ at MW-1 on September 3, 1993.
- **Total xylenes:** Total xylenes were not detected above the LRL of 1.0 $\mu\text{g/L}$ in monitoring wells MW-2 through MW-9 during the third quarter 2012 sampling event. Total xylenes were only detected in monitoring well MW-1 (10 $\mu\text{g/L}$). The maximum concentration for total xylenes was 47,000 $\mu\text{g/L}$ at MW-1 on December 29, 1995.
- **MTBE.** MTBE was not detected above the LRL of 0.50 $\mu\text{g/L}$ in any of the groundwater samples collected during the third quarter 2012. MTBE was reported at a historical maximum concentration of 1,800 $\mu\text{g/L}$ at MW-3 on September 21, 1996.

Isoconcentration maps of the primary COPCs (TPH-g and benzene) detected during the third quarter 2012 sampling event are included on Figures 5 and 6. Toluene, ethylbenzene, total xylenes, and MTBE were not included as primary COPCs because their concentrations in groundwater were below the water quality objectives (WQOs) during the most recent groundwater monitoring event.

3.3.4 Soil Gas

The June 1988 soil vapor survey included the collection of soil vapor samples from seven locations in the vicinity of the USTs and dispenser islands (VP-1 through VP-7; collected at 5 and 25 feet bgs). Petroleum hydrocarbons were not detected in any of the soil vapor samples collected (AGS 1988). Soil vapor sample locations are presented on Figure 2.

3.4 Assessment of Impacts of Residual COPCs on Public Health and the Environment

Based on the assessment of data presented in this CSM and Closure Report, the residual concentrations of COPCs in site environmental media are unlikely to pose adverse effects to human health and the environment. This section summarizes sensitive receptors observed near the site, as well as the results of a water supply well survey, and an evaluation of potential exposure pathways.

3.4.1 Sensitive Receptors and Water Supply Well Survey

In 1990, a well survey was performed by reviewing public records of the Alameda County Water District and conducting a field search to locate identified wells. A total of 15 wells were identified within ½ mile of the site. Five of the wells were downgradient (southwest) and within approximately 600 feet of the site. One of these wells was used for irrigation, one was abandoned, and no records were available pertaining to the remaining three wells that were identified during the field search. No municipal wells were identified within ½ mile of the site (AGS 1990, Delta 2006). Well survey data are provided as Appendix E.

A sensitive receptor survey was performed by Delta in August 2006. The survey consisted of a review of Department of Water Resources (DWR) files to evaluate the presence of wells within 1 mile of the site. A list of property owners within 1,000 feet of the site was also generated to evaluate if any of the properties have potential receptors of the hydrocarbon impact from the project site (Appendix E).

A Public Health Assessment Questionnaire presenting specific queries regarding the presence of sensitive receptors was mailed to each of the identified property owners. A total of 341 questionnaires were mailed in April 2006 and 114 responses were received. Based on the data from the responding parties, 16 wells were identified within 1,000 feet of the site. Seven of the properties had sumps used for irrigation, and basements were present on 27 of the properties (Appendix E).

Delta also reviewed the DWR files to prepare a list of parcel numbers, property owner's names, and property addresses of potential receptors within a 1-mile radius of the site. Questionnaires were mailed to 43 addresses in June 2006, but only two responses were received. The two respondents each had a well on their property; however, no sumps or basements were present (Appendix E, Delta 2006). In addition, Delta did not identify any hospitals, daycare centers, or schools within a 1,000-foot radius of the site (Delta 2006).

The site lies within the East Bay Plain Sub-basin and is located within the service area of the East Bay Municipal Utility District (EBMUD) public water system. Ninety percent of water within the EBMUD public water system, which includes drinking water at the site, is supplied by the Mokelumne Watershed. Local runoff stored in reservoirs supplements that supply, and water from the Sacramento River is available when needed during dry years (EBMUD 2011).

Based on a review of the GeoTracker Groundwater Ambient Monitoring and Assessment database, the closest water supply well is located more than 3,000 feet southwest of the site.

Based on the U.S. Geological Survey (USGS) topographic map for the site area, the nearest surface-water body is San Leandro Creek located approximately 1,900 feet southeast of the site (USGS 1967, Delta 2006).

3.4.2 Potential Transport and Release Mechanisms and Receptors

This section discusses the potential transport and release mechanisms and receptors at the site.

3.4.2.1 Volatilization

A potential release mechanism at the site may include the volatilization of COPCs in the subsurface soil to indoor air of current and future onsite commercial buildings,

outdoor air, or air within a trench used by a future onsite utility worker. Another potential release mechanism at the site may include volatilization of COPCs in groundwater to indoor air of current and future on and offsite residences, offsite commercial buildings, outdoor air, or air within a trench used by a future onsite utility worker.

In general, exposure to petroleum vapors migrating from soil or groundwater to indoor air may pose unacceptable human health risks. However, in many petroleum release cases, potential human exposures to vapors are mitigated by bioattenuation processes as vapors migrate toward the ground surface. Given that there is no non-aqueous phase liquid in site soils or groundwater and that the depth to groundwater is greater than 10 feet, a criterion set forth in the Low-Threat Closure Policy (SWRCB 2012b), potential vapor migration into onsite or offsite buildings is unlikely and not expected to pose adverse health effects to current and future building occupants. However, to support risk-based decision making for the site, it is assumed that COPCs in groundwater may volatilize into commercial buildings. Although this pathway is determined to be complete for on and offsite receptors, this exposure pathway is considered to be insignificant given the dilution and natural attenuation of vapors as they reach the ground surface.

3.4.3 Leaching to Groundwater

The release of petroleum hydrocarbons from former USTs and associated piping also can leach from soil to groundwater. This release mechanism is likely responsible for the majority of historical groundwater impacts. However, decreasing petroleum hydrocarbon trends in groundwater (Table 2) indicate that this release mechanism has likely been mitigated through remediation, weathering, and natural attenuation.

3.4.4 Direct Contact with Groundwater

As described in Section 3.4.1, groundwater at the site is currently not used as a potable source and is not expected to be used as a drinking water source in the future (EBMUD 2011). Drinking water is municipally supplied to the site. Therefore, potential direct contact exposures to COPCs in groundwater, such as tap water ingestion, dermal contact with tap water, and inhalation of volatile organic compounds released from tap water, are not expected to occur for current and future onsite and offsite receptors.

In the future, onsite construction workers may be directly exposed to groundwater while performing routine utility activities in subsurface trenches. Typically, utility trenches are located at a depth of no greater than 8 feet bgs. Historically, the depth to groundwater has been measured at a minimum depth of approximately 15 feet btoc in the groundwater monitoring wells. Thus, it is unlikely that future onsite utility workers will be directly exposed to COPCs in groundwater, as they will not be working at depths where groundwater has been observed.

3.4.5 Direct Contact with Soil

Given that the site is completely covered with buildings, concrete, asphalt paving, and perimeter landscaping, it is anticipated that current and future on and offsite commercial workers will not be exposed to constituents in soil via direct contact exposure pathways (i.e., incidental ingestion, dermal contact, and inhalation of particulates). Based on historical site soil data, most COPCs were not detected in samples collected within the top 5 feet of soil. Therefore, direct contact with soil exposure pathways are not expected to be complete for current and future onsite workers. However, potential receptors, including future onsite construction/utility trench workers, may be directly exposed to COPCs in subsurface soil via incidental ingestion, dermal contact, and inhalation of vapor and dust particles in trench air.

Constituents adhered onto dust particles may migrate from exposed subsurface soil by wind erosion to outdoor air and be inhaled by potential on and offsite receptors. This transport mechanism is unlikely given that redevelopment of the site is not planned, the site is covered with a building, landscaping, concrete, or asphalt pavement, and soil is not exposed at the surface.

3.4.6 Potential Ecological Receptors

The nearest surface-water body is San Leandro Creek located approximately 1,900 feet southeast of the site. The site is devoid of ecological habitat and surface water; therefore, it is anticipated that ecological receptors are absent from the site. It is expected that the site will remain a gasoline service station in the future. Given these features at the site, potential exposure pathways for current ecological receptors are incomplete.

Because the site is devoid of ecological habitat and surface water is absent, it is reasonable to assume that ecological receptors are absent from the site and will not be present in the future. In addition, no surface water is located near the site. Based

on this information, potential exposure pathways for future ecological receptors are incomplete.

3.5 Summary of Potential Exposure Pathways

Potential receptors were identified based on current and future land use(s) at the site. As discussed previously, current and reasonably anticipated future land use at the site is commercial. Potential current and future human receptors at the site include current and future commercial workers and future onsite utility and construction trench workers. In addition, offsite commercial workers and residents could be exposed to COPCs volatilizing from groundwater and migrating into offsite buildings. The sources, release mechanisms, exposure media, and exposure pathways for these receptors are shown on Figure 8.

Based on the information presented in the previous sections, the following potential exposure pathways may be complete for the site:

Current and Future Onsite Commercial Workers

- Inhalation of vapors migrating from the subsurface and into buildings

Current and Future Offsite Commercial Workers and Residents

- Inhalation of vapors migrating from the subsurface into buildings

Future Onsite Utility and Construction Trench Workers

- Inhalation (outdoor air) of vapors
- Inhalation (outdoor air) of dust particles
- Incidental ingestion of surface and subsurface soil
- Dermal contact with surface and subsurface soil

4. Assessment of Site Conditions Relative to Low-Threat Closure Policy

The Low-Threat Closure Policy outlines eight General Criteria, to assess whether sites are candidates for low-threat case closure, and three categories of Media-Specific

Criteria (groundwater, petroleum vapor intrusion to indoor air, and direct contact and outdoor air exposure) that also must be met. The following sections evaluate current site conditions against the General and Media-Specific Criteria.

4.1 Evaluation of Low-Threat Closure: General Criteria

4.1.1 Criteria a - The unauthorized release is located within the service area of a public water system

As discussed in Section 3.4.1, the site lies within the East Bay Plain Sub-basin and is located within the service area of the EBMUD public water system. Ninety percent of water within the EBMUD public water system, which includes drinking water at the site, is supplied by the Mokelumne Watershed. Local runoff stored in reservoirs supplements that supply, and water from the Sacramento River is available when needed during dry years (EBMUD 2011).

4.1.2 Criteria b - The unauthorized release consists only of petroleum

Soil and groundwater impacts occurred as a result of undocumented releases from USTs, other dispenser islands, and/or product piping. COPCs at the site include TPH-g, BTEX, and fuel oxygenates, including MTBE. There have been no non-petroleum impacts or releases documented at the site.

4.1.3 Criteria c - The unauthorized ("primary") release from the UST system has been stopped

In 1987, the first generation gasoline USTs and associated piping were removed. In October 1998, the six product dispensers and product piping were removed. The unauthorized releases ceased with the removal of this infrastructure.

In addition, spill containment sumps at the tops of the existing USTs, spill containment boxes beneath the new product dispensers, and a leak detection monitoring system were installed in October 1998 (Section 3.2.2).

4.1.4 Criteria d - Free product has been removed to the maximum extent practicable

Site monitoring wells have been screened for free-product accumulation during groundwater monitoring events from 1987 to the present. LPH has only been observed in onsite well MW-1 between September 1987 and April 1988. Approximately 2.5 gallons of free product were removed from the well between September and November

1987. A maximum thickness of free product of 0.38 feet was measured at MW-1 in November 1988 (Table 2, Section 3.3.2). Since then, free product has not been detected in MW-1 and there is currently no evidence of free product at the site.

4.1.5 Criteria e - A conceptual site model that assesses the nature, extent, and mobility of the release has been developed

A CSM that includes a comprehensive site assessment and remediation history, regional and site-specific geology and hydrogeology, review of the soil and groundwater conditions at the site, and evaluation of human health exposure from site-related COPCs is presented in Sections 3.1 through 3.5 of this CSM and Closure Report.

4.1.6 Criteria f - Secondary source has been removed to the extent practicable

Secondary source removal has been achieved to the extent practicable through soil excavation and the operation of the SVE and GWE systems. Approximately 2.5 gallons of free product were removed at MW-1 during the limited investigation activities of 1987. In addition, a total of 280 cubic yards of soil were excavated between 1987 and 1998 (Section 3.2.2).

An SVE and GWE remediation system operated at the site between March 1996 and March 1997. Approximately 637,151 gallons of impacted groundwater were removed by the GWE system. An estimated 180 pounds and 108 pounds of TPH-g have been removed by the SVE and GWE systems, respectively (Section 3.2.2, Appendix D).

4.1.7 Criteria g - Soil and groundwater have been tested for MTBE and results reported in accordance with Health and Safety Code Section 25296.15

MTBE was analyzed in soil samples collected in 1998 (Appendix C) and in groundwater samples collected during monitoring events from 1996 to the present (Table 1 and Table 2). During the most recent monitoring event, MTBE was not detected above LRLs in groundwater samples collected from site monitoring wells. MTBE was last detected in monitoring well MW-7 on January 26, 2010 at a concentration of 0.65 µg/L.

4.1.8 Criteria h - Nuisance as defined by Water Code Section 13050 does not exist at the site

No nuisance exists at the site, as defined by Water Code Section 13050. Site conditions and the treatment and disposal of site wastes are not injurious to health, indecent or offensive to the senses, and do not obstruct free use of property or interfere with the comfortable enjoyment of life or property. Site conditions and the treatment and disposal of site wastes do not affect an entire community or neighborhood or any considerable number of persons. Site impacts are restricted to the subsurface, and are present in a limited area that does not adversely affect the community at large.

4.2 Evaluation of Low-Threat Closure: Media-Specific Criteria

4.2.1 Groundwater

Groundwater at the site does not currently pose a risk to existing or anticipated future beneficial uses of groundwater and meets the groundwater-specific criteria as outlined by the Low-Threat Closure Policy. The Low-Threat Closure Policy states that “the contaminant plume that exceeds water quality objectives must be stable or decreasing in areal extent, and meet all of the additional characteristics of one of the five classes of sites.”

WQOs used in this analysis are presented in the following table.

Table A. Summary of WQOs

COPCs	WQOs	Source
TPH-g	100 µg/L	SFRWQCB
Benzene	1 µg/L	MCL

Notes:

MCL = California Department of Public Health’s Maximum Contaminant Level

SFRWQCB = San Francisco Regional Water Quality Control Board

The WQO for benzene is the established MCL (California Department of Public Health 2011). An MCL has not been established for TPH-g. To be conservative, the environmental screening level established by SFRWQCB for groundwater that is a current or potential drinking water resource (Table F-1a; SFRWQCB 2008) was utilized as the TPH-g WQO for this evaluation of groundwater plume stability.

4.2.1.1 Plume Stability

According to the Technical Justification for Groundwater Media-Specific Criteria (SWRCB 2012a), plume stability can be demonstrated in two ways:

- 1) “Routinely observed non-detect values for groundwater parameters in down-gradient wells”
- 2) “Stable or decreasing concentration levels in down-gradient wells.”

Isoconcentration maps of TPH-g and benzene for 2012 are included as Figures 4 and 5 and for 2006 are included as Figures 6 and 7. Based on historical groundwater data, groundwater at the site flows predominately to the west and southwest.

The extent of the COPC plumes have decreased from 2006 to 2012, which indicates that the rate of natural attenuation processes exceeds the flux of hydrocarbons from the source area. Evaluation of groundwater monitoring data (Tables 1 and 2) indicates plume stability at the site as defined by the Technical Justification for Groundwater Media-Specific Criteria (SWRCB 2012a). All COPCs have not been detected above their respective LRL in downgradient wells MW-2, MW-7, MW-8, and MW-10 since 2007. The only exception is historical detections of TPH-g in MW-8.

4.2.1.2 Additional Groundwater-Specific Criteria

As described in the Low-Threat Closure Policy, a site can meet the Groundwater Media-Specific Criteria through one of five main classes. ARCADIS is of the opinion this site falls into Class 1 as described in detail below.

Class 1

1a. The contaminant plume that exceeds water quality objectives is less than 100 feet in length

For the determination of the classification of groundwater impacts, the length of the plume exceeding WQOs for each of the current site COPCs was measured from the most recent isoconcentration maps included as Figures 6 and 7.

- The TPH-g plume, exceeding 100 µg/L, is estimated to be approximately 86 feet long.

- The benzene plume, exceeding 1 µg/L, is estimated to be approximately 29 feet long.

1b. There is no free product

- There is no free product currently present in site monitoring wells, as detailed in General Criteria (d) and Section 3.3.2.

1c. The nearest existing water supply well or surface-water body is greater than 250 feet from the defined plume boundary

- As described in Section 3.4.1, no water supply wells were identified within 250 feet from the defined plume boundary at site.
- The closest surface-water body is San Leandro Creek located approximately 1,900 feet southeast of the site (Section 3.4.1).

4.2.2 Petroleum Vapor Intrusion to Indoor Air

As described in the Low-Threat Closure Policy, satisfaction of the Media-Specific Criteria for petroleum vapor intrusion to indoor air is not required at active commercial petroleum fueling facilities where there are no site-specific characteristics that would pose an unacceptable health risk. The site is an active commercial petroleum fueling facility with no unacceptable risk characteristics and there are no plans for redevelopment; therefore, the site is exempt from this media-specific criterion.

As described in the Low-Threat Closure Policy, satisfaction of the Media-Specific Criteria for petroleum vapor intrusion to indoor air is not required for sites where there are: 1) no existing buildings currently occupied or that may be occupied in the future and 2) no buildings for human occupancy expected to be constructed in the future above the plume. The benzene plume exceeding 1 µg/L extends offsite, approximately 15 feet from MW-1. However, the plume only extends to beneath Bancroft Avenue, which is adjacent to the site and not beneath buildings or other structures. Therefore, the offsite portions of the plume are subject to the stated exception to this media-specific criterion.

4.2.3 Direct Contact and Outdoor Air Exposure

As described in the Low-Threat Closure Policy, sites will meet the media-specific criteria for direct contact with contaminated soil or inhalation of contaminants volatilized to outdoor air if:

- 1) The maximum concentrations of COPCs in soil are less than or equal to those listed in Table 1 of the Low-Threat Closure Policy.
- 2) A site-specific risk assessment shows that COPCs present in soil will not adversely affect human health.
- 3) Exposure to COPCs is mitigated through engineering controls.

This site meets the first criteria as summarized below:

- Since the site is completely covered with a building and pavement; there is little or no potential for direct human contact with site soils or for offsite wind dispersion of soils. Therefore, direct contact exposure pathways (i.e., ingestion, dermal contact, and inhalation of particulates) with soils are considered incomplete or insignificant and are expected to remain the same in the future.
- Historical soil data are included in Appendix C. Benzene and ethylbenzene concentrations were evaluated using concentrations for commercial/industrial exposure because the site is not anticipated to be developed for residential use. Soil samples were not analyzed for naphthalene and other polycyclic aromatic hydrocarbons, as facilities at the site did not include waste-oil USTs.

Table B. Comparison of maximum concentrations of benzene and ethylbenzene in soil against the No Significant Risk Values

Chemical	Commercial/Industrial				Utility Worker	
	0 to 5 feet bgs mg/kg		Volatilization to outdoor air (5 to 10 feet bgs) mg/kg		0 to 10 feet bgs mg/kg	
	Low-Threat Closure Policy Table 1	Site Maximum	Low-Threat Closure Policy Table 1	Site Maximum	Low-Threat Closure Policy Table 1	Site Maximum
Benzene	8.2	<0.0050	12	<0.0050	14	<0.0050
Ethylbenzene	89	<0.0050	134	<0.0050	314	<0.0050

As shown in Table B above, the historical maximum benzene and ethylbenzene concentrations are below the Low-Threat Closure Policy Table 1 values for Commercial/Industrial direct contact and volatilization to outdoor air and Utility Worker direct contact in soil samples collected from 0 to 10 feet bgs. Therefore, benzene and ethylbenzene are below the No Significant Risk Values (Table 1, SWRCB 2012b).

5. Conclusions and Recommendations

Site conditions meet all the General and Media-Specific Criteria established in the Low-Threat Closure Policy, and therefore, pose a low-threat to human health, safety, and the environment, and satisfy the case-closure requirements of Health and Safety Code Section 25296.10. Case closure is consistent with Resolution 92-49, which requires that cleanup goals be met within a reasonable timeframe. ARCADIS respectfully requests that the Alameda County Department of Environmental Health (ACDEH) grant low-threat site closure as site conditions meet all General and Media-Specific Criteria established in the Low-Threat Closure Policy (SWRCB 2012b).

6. Intention to Cease Groundwater Monitoring and Sampling

Groundwater data, as presented in this CSM and Closure Report, support a conclusion that the site and the impacted groundwater pose no significant threat to human health or the environment. Therefore, effective immediately, Chevron requests discontinuing groundwater monitoring and sampling activities pending a response and further direction from the ACDEH.

7. References

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Tables

Table 1
Current Groundwater Gauging and Analytical Results
Unocal Site 5367
500 Bancroft Avenue, San Leandro, California

Well ID	Date Sampled	TOC Elevation (ft amsl)	DTW (ft btoc)	LPH Thickness (ft)	GW Elevation (ft amsl)	TPH-g ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethyl-benzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	MTBE ($\mu\text{g/L}$)	EDB ($\mu\text{g/L}$)	EDC ($\mu\text{g/L}$)	Ethanol ($\mu\text{g/L}$)	Comments
MW-1	8/16/2012	57.83	29.93	--	27.90	2,500	2.4	<0.50	110	10	<0.5	<0.50	<0.50	<250	
MW-2	8/16/2012	58.13	29.79	--	28.34	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-3	8/16/2012	57.92	29.43	--	28.49	63	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-4	8/16/2012	58.29	30.02	--	28.27	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-5	8/16/2012	58.50	30.41	--	28.09	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-6	8/16/2012	56.96	29.17	--	27.79	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-7	8/16/2012	57.25	29.52	--	27.73	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-8	8/16/2012	57.71	29.84	--	27.87	69	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-9	8/16/2012	56.47	28.51	--	27.96	<50	<0.50	<0.50	<0.50	<1.0	<0.5	<0.50	<0.50	<250	
MW-10	8/16/2012	58.94	--	--	--	--	--	--	--	--	--	--	--	--	Not accessible

Notes

Analytical results given in micrograms per liter ($\mu\text{g/l}$) unless otherwise noted

-- = Not sampled or not applicable

Bold = Result detected above laboratory reporting limit

Standard Abbreviations

- < not detected at or above laboratory detection limit
- $\mu\text{g/l}$ micrograms per liter (approx. equivalent to parts per billion, ppb)
- ft feet
- TOC top of casing (surveyed reference elevation)
- amsl above mean sea level
- DTW depth to water
- btoc below top of casing
- LPH liquid-phase hydrocarbons
- GW groundwater
- TPH-g total petroleum hydrocarbons as gasoline
- MTBE methyl tertiary butyl ether
- EDB 1,2-dibromoethane
- EDC 1,2-dichloroethane (same as ethylene dichloride)

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 17, 2011
76 Station 5367

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (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														
9/23/1987	57.83	33.40	0	24.43	--	--	--	--	--	--	--	--	--	--
9/24/1987	57.83	33.24	0.01	24.60	0.17	--	--	--	--	--	--	--	--	--
10/6/1987	57.83	33.39	0.01	24.45	-0.15	--	--	--	--	--	--	--	--	--
11/5/1987	57.83	34.14	0.31	23.92	-0.52	--	--	--	--	--	--	--	--	--
11/13/1987	57.83	34.15	0.38	23.97	0.04	--	--	--	--	--	--	--	--	--
11/19/1987	57.83	33.89	0.06	23.99	0.02	--	--	--	--	--	--	--	--	--
4/27/1988	57.83	32.40	0.01	25.44	1.45	--	--	--	--	--	--	--	--	--
9/7/1988	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
10/3/1988	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
1/27/1989	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
2/16/1990	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
7/19/1990	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
8/24/1990	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
11/30/1990	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
2/6/1991	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
5/6/1991	57.83	33.00	0	24.83	--	--	--	--	--	--	--	--	--	--
9/27/1991	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
3/31/1992	57.83	31.00	0	26.83	--	330000	--	8200	33000	6800	36000	--	--	--
6/18/1992	57.83	32.76	0	25.07	-1.76	680000	--	9000	40000	7600	44000	--	--	--
10/16/1992	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
11/18/1992	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
3/3/1993	57.83	26.03	0	31.80	--	330000	--	3800	21000	4200	24000	--	--	--
6/25/1993	57.83	28.36	0	29.47	-2.33	160000	--	4300	36000	5800	34000	--	--	--
9/3/1993	57.83	30.80	0	27.03	-2.44	160000	--	3900	41000	6800	38000	--	--	--
12/13/1993	57.83	32.73	0	25.10	-1.93	140000	--	3600	37000	7100	40000	--	--	--
3/18/1994	57.83	30.10	0	27.73	2.63	99000	--	3800	37000	6800	36000	--	--	--
6/23/1994	57.83	31.32	0	26.51	-1.22	150000	--	2500	33000	6400	37000	--	--	--
9/21/1994	57.83	33.21	0	24.62	-1.89	110000	--	2500	23000	4500	25000	--	--	--
12/19/1994	57.83	30.97	0	26.86	2.24	200000	--	2400	28000	6600	37000	--	--	--
3/27/1995	57.83	22.77	0	35.06	8.20	88000	--	1500	20000	4200	25000	--	--	--
6/26/1995	57.83	25.69	0	32.14	-2.92	130000	--	1000	23000	5600	33000	--	--	--
7/28/1995	57.83	26.97	0	30.86	-1.28	--	--	--	--	--	--	--	--	--

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 17, 2011
76 Station 5367

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (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
9/28/1995	57.83	29.55	0	28.28	-2.58	100000	--	810	21000	6500	37000	--	--	--
10/24/1995	57.83	29.99	0	27.84	-0.44	--	--	--	--	--	--	--	--	--
12/29/1995	57.83	30.40	0	27.43	-0.41	110000	--	990	22000	8300	47000	--	--	--
3/27/1996	57.83	22.29	0	35.54	8.11	120000	--	920	17000	7100	41000	180	180	--
9/21/1996	57.83	29.44	0	28.39	-7.15	110000	--	270	3500	5900	16000	260	260	--
3/31/1997	57.83	24.18	0	33.65	5.26	82000	--	240	8700	3800	23000	ND	--	--
9/27/1997	57.83	31.86	0	25.97	-7.68	81000	--	ND	1000	5900	31000	ND	--	--
3/20/1998	57.83	16.88	0	40.95	14.98	52000	--	ND	350	2900	14000	ND	--	--
9/9/1998	57.83	26.21	0	31.62	-9.33	59000	--	51	64	6000	4800	ND	--	--
3/11/1999	57.83	23.60	0	34.23	2.61	60000	--	130	ND	2900	12000	ND	--	--
9/8/1999	57.83	28.70	0	29.13	-5.10	74000	--	ND	ND	2600	10000	ND	--	--
3/24/2000	57.83	21.61	0	36.22	7.09	37000	--	ND	ND	1980	6880	ND	--	--
9/15/2000	57.83	28.19	0	29.64	-6.58	45800	--	ND	ND	3150	10500	ND	--	--
3/16/2001	57.83	25.59	0	32.24	2.60	37500	--	76.2	16.6	2010	7330	ND	--	--
8/31/2001	57.83	29.03	0	28.80	-3.44	62000	--	79	ND<50	3000	13000	ND<250	--	--
3/15/2002	57.83	25.58	0	32.25	3.45	26000	--	43	22	2400	10000	ND<100	--	--
9/26/2002	57.83	29.51	0	28.32	-3.93	--	56000	31	ND<25	2500	11000	--	ND<100	--
3/16/2003	57.83	26.71	0	31.12	2.80	--	43000	ND<250	ND<250	2200	6800	--	ND<1000	--
9/3/2003	57.83	29.54	0	28.29	-2.83	--	55000	ND<50	ND<50	2200	4200	--	ND<200	--
3/11/2004	57.83	25.57	0	32.26	3.97	--	23000	10	ND<5.0	1100	2100	--	ND<20	--
9/24/2004	57.83	31.20	0	26.63	-5.63	--	29000	15	ND<10	1900	1100	--	ND<10	--
3/29/2005	57.83	23.38	0	34.45	7.82	--	26000	15	ND<10	990	260	--	ND<10	--
9/12/2005	57.83	28.13	0	29.70	-4.75	--	15000	13	1.3	1100	110	--	0.93	--
3/27/2006	57.83	21.38	0	36.45	6.75	--	11000	7.6	1.0	590	90	--	ND<0.50	--
9/8/2006	57.83	26.73	0	31.10	-5.35	--	9000	4.7	4.0	460	82	--	ND<0.50	--
1/29/2007	57.83	28.63	0	29.20	-1.90	--	10000	9.2	ND<5.0	990	310	--	ND<5.0	--
7/2/2007	57.83	29.53	0	28.30	-0.90	--	8800	10	ND<6.2	910	170	--	ND<6.2	--
1/14/2008	57.83	29.19	0	28.64	0.34	--	8400	12	ND<6.2	960	88	--	ND<6.2	--
9/2/2008	57.83	31.88	0	25.95	-2.69	--	8300	7.7	ND<5.0	850	56	--	ND<5.0	--
3/13/2009	57.83	27.43	0	30.40	4.45	--	9600	6.1	ND<5.0	970	160	--	ND<5.0	--
9/1/2009	57.83	31.77	0	26.06	-4.34	--	12000	17	ND<5.0	590	16	--	21	--
1/26/2010	57.83	28.68	0	29.15	3.09	--	8100	5.5	ND<5.0	730	ND<10	--	ND<5.0	--
9/30/2010	57.83	30.63	0	27.20	-1.95	--	6600	6.9	ND<5.0	510	38	--	ND<5.0	--

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 17, 2011
76 Station 5367

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (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
3/17/2011	57.83	25.42	0	32.41	5.21	--	4900	ND<5.0	ND<5.0	440	27	--	ND<5.0	--
MW-2														
10/3/1988	58.13	36.04	0	22.09	--	1760	--	47.8	7.4	20.9	81.6	--	--	--
1/27/1989	58.13	34.77	0	23.36	1.27	510	--	58	8.7	22.6	20.3	--	--	--
2/16/1990	58.13	34.50	0	23.63	0.27	840	--	50	0.5	28	44	--	--	--
5/1/1990	58.13	--	--	--	--	1000	--	39	ND	32	52	--	--	--
7/19/1990	58.13	35.72	0	22.41	--	--	--	--	--	--	--	--	--	--
8/24/1990	58.13	36.30	0	21.83	-0.58	330	--	17	ND	19	20	--	--	--
11/30/1990	58.13	37.40	0	20.73	-1.10	400	--	41	ND	39	37	--	--	--
2/7/1991	58.13	37.27	0	20.86	0.13	510	--	40	ND	29	44	--	--	--
5/6/1991	58.13	33.31	0	24.82	3.96	2300	--	150	10	52	110	--	--	--
9/27/1991	58.13	36.86	0	21.27	-3.55	110	--	2.6	ND	5.6	5.1	--	--	--
12/27/1991	58.13	37.66	0	20.47	-0.80	170	--	3.9	ND	7.3	60	--	--	--
3/31/1992	58.13	37.66	0	20.47	0.00	--	--	--	--	--	--	--	--	--
6/18/1992	58.13	31.27	0	26.86	6.39	1200	--	35	1.6	56	26	--	--	--
9/30/1992	58.13	--	--	--	--	820	--	21	ND	42	25	--	--	--
10/16/1992	58.13	35.87	0	22.26	--	--	--	--	--	--	--	--	--	--
11/18/1992	58.13	36.24	0	21.89	-0.37	65	--	1.2	ND	2.8	1.4	--	--	--
3/3/1993	58.13	26.30	0	31.83	9.94	4200	--	62	2.9	97	120	--	--	--
6/25/1993	58.13	28.40	0	29.73	-2.10	4000	--	110	ND	320	280	--	--	--
9/3/1993	58.13	31.10	0	27.03	-2.70	1400	--	31	4.3	99	53	--	--	--
12/13/1993	58.13	33.03	0	25.10	-1.93	260	--	7.7	0.83	17	23	--	--	--
3/18/1994	58.13	30.34	0	27.79	2.69	250	--	6.4	0.64	28	24	--	--	--
6/23/1994	58.13	31.63	0	26.50	-1.29	420	--	3.9	0.66	23	11	--	--	--
9/21/1994	58.13	33.52	0	24.61	-1.89	ND	--	ND	ND	ND	ND	--	--	--
12/19/1994	58.13	31.26	0	26.87	2.26	190	--	1.9	ND	15	6.8	--	--	--
3/27/1995	58.13	23.02	0	35.11	8.24	ND	--	ND	0.55	1.2	2.5	--	--	--
6/26/1995	58.13	25.98	0	32.15	-2.96	ND	--	ND	0.93	0.88	3.4	--	--	--
7/28/1995	58.13	27.26	0	30.87	-1.28	--	--	--	--	--	--	--	--	--
9/28/1995	58.13	29.77	0	28.36	-2.51	730	--	2.9	--	41	29	--	--	--
10/24/1995	58.13	30.56	0	27.57	-0.79	--	--	--	--	--	--	--	--	--
12/29/1995	58.13	30.25	0	27.88	0.31	860	--	4.3	1	27	50	--	--	--
3/27/1996	58.13	22.30	0	35.83	7.95	--	--	--	--	--	--	--	--	Connected to system

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (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
9/21/1996	58.13	29.47	0	28.66	-7.17	--	--	--	--	--	--	--	--	Connected to system
3/31/1997	58.13	24.20	0	33.93	5.27	ND	--	ND	ND	ND	ND	ND	--	
9/27/1997	58.13	31.07	0	27.06	-6.87	ND	--	ND	ND	ND	ND	ND	--	--
3/20/1998	58.13	16.73	0	41.40	14.34	ND	--	ND	ND	ND	ND	ND	--	--
9/9/1998	58.13	26.03	0	32.10	-9.30	ND	--	ND	0.54	ND	0.57	ND	--	--
3/11/1999	58.13	23.46	0	34.67	2.57	ND	--	ND	0.59	ND	1.1	ND	--	--
9/8/1999	58.13	28.53	0	29.60	-5.07	ND	--	ND	ND	ND	ND	ND	--	--
3/24/2000	58.13	21.45	0	36.68	7.08	ND	--	ND	ND	ND	ND	ND	--	--
9/15/2000	58.13	28.02	0	30.11	-6.57	ND	--	ND	ND	ND	ND	ND	--	--
3/16/2001	58.13	25.41	0	32.72	2.61	ND	--	ND	ND	ND	ND	ND	--	--
8/31/2001	58.13	28.74	0	29.39	-3.33	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	--
3/15/2002	58.13	25.45	0	32.68	3.29	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	--
9/26/2002	58.13	29.36	0	28.77	-3.91	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--
3/16/2003	58.13	26.58	0	31.55	2.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--
9/3/2003	58.13	29.34	0	28.79	-2.76	--	ND<50	ND<0.50	0.71	ND<0.50	ND<1	--	ND<2	--
3/11/2004	58.13	25.41	0	32.72	3.93	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--
9/24/2004	58.13	31.05	0	27.08	-5.64	--	66	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/29/2005	58.13	23.25	0	34.88	7.80	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/12/2005	58.13	27.98	0	30.15	-4.73	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/27/2006	58.13	21.22	0	36.91	6.76	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/8/2006	58.13	26.56	0	31.57	-5.34	--	56	ND<0.50	ND<0.50	0.71	ND<0.50	--	ND<0.50	--
1/29/2007	58.13	28.46	0	29.67	-1.90	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--
7/2/2007	58.13	29.37	0	28.76	-0.91	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--
1/14/2008	58.13	28.95	0	29.18	0.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/2/2008	58.13	31.72	0	26.41	-2.77	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/13/2009	58.13	27.26	0	30.87	4.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/1/2009	58.13	31.61	0	26.52	-4.35	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
1/26/2010	58.13	28.51	0	29.62	3.10	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/30/2010	58.13	30.48	0	27.65	-1.97	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/17/2011	58.13	25.25	0	32.88	5.23	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
MW-3														
10/3/1988	57.92	35.86	0	22.06	--	61000	--	1060	3380	1520	8720	--	--	--
1/27/1989	57.92	34.60	0	23.32	1.26	39000	--	1570	2830	1250	7070	--	--	--

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (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
2/16/1990	57.92	35.23	0	22.69	-0.63	22000	--	710	4100	6900	33000	--	--	--
5/1/1990	57.92	--	--	--	--	19000	--	330	170	310	1500	--	--	--
7/19/1990	57.92	35.50	0	22.42	--	--	--	--	--	--	--	--	--	--
8/24/1990	57.92	36.08	0	21.84	-0.58	19000	--	480	160	510	1500	--	--	--
11/30/1990	57.92	37.17	0	20.75	-1.09	13000	--	390	81	410	1000	--	--	--
2/6/1991	57.92	37.07	0	20.85	0.10	13000	--	310	150	380	1200	--	--	--
5/6/1991	57.92	33.11	0	24.81	3.96	39000	--	1000	570	930	3900	--	--	--
9/27/1991	57.92	36.64	0	21.28	-3.53	4000	--	160	84	180	560	--	--	--
12/27/1991	57.92	37.46	0	20.46	-0.82	31000	--	240	280	400	1600	--	--	--
3/31/1992	57.92	31.10	0	26.82	6.36	100000	--	1900	1900	2300	9400	--	--	--
6/18/1992	57.92	32.83	0	25.09	-1.73	180000	--	2200	1700	2300	1100	--	--	--
9/30/1992	57.92	--	--	--	--	36000	--	730	200	1000	4400	--	--	--
10/16/1992	57.92	35.66	0	22.26	--	--	--	--	--	--	--	--	--	--
11/18/1992	57.92	36.04	0	21.88	-0.38	24000	--	430	160	640	2800	--	--	--
3/3/1993	57.92	26.11	0	31.81	9.93	96000	--	1400	1900	1400	8400	--	--	--
6/25/1993	57.92	28.43	0	29.49	-2.32	27000	--	1200	980	1700	6900	--	--	--
9/3/1993	57.92	30.88	0	27.04	-2.45	82000	--	2400	3400	4200	21000	--	--	--
12/13/1993	57.92	32.82	0	25.10	-1.94	49000	--	1300	360	2300	9200	--	--	--
3/18/1994	57.92	30.17	0	27.75	2.65	22000	--	1200	430	2200	9700	--	--	--
6/23/1994	57.92	31.42	0	26.50	-1.25	37000	--	1300	670	3100	14000	--	--	--
9/21/1994	57.92	33.30	0	24.62	-1.88	24000	--	890	110	2200	8800	--	--	--
12/19/1994	57.92	31.07	0	26.85	2.23	100000	--	1200	2900	4200	23000	--	--	--
3/27/1995	57.92	22.78	0	35.14	8.29	33000	--	410	66	1600	6500	--	--	--
6/26/1995	57.92	25.78	0	32.14	-3.00	14000	--	300	ND	1300	3900	--	--	--
7/28/1995	57.92	27.06	0	30.86	-1.28	--	--	--	--	--	--	--	--	--
9/28/1995	57.92	29.57	0	28.35	-2.51	17000	--	730	30	4000	8800	--	--	--
10/24/1995	57.92	30.34	0	27.58	-0.77	--	--	--	--	--	--	--	--	--
12/29/1995	57.92	29.91	0	28.01	0.43	55000	--	700	ND	4900	16000	--	--	--
3/27/1996	57.92	21.99	0	35.93	7.92	--	--	--	--	--	--	--	--	--
9/21/1996	57.92	29.15	0	28.77	-7.16	34000	--	140	ND	2200	6600	1800	--	Connected to system
3/31/1997	57.92	23.86	0	34.06	5.29	17000	--	58	110	530	1500	ND	--	--
9/27/1997	57.92	30.76	0	27.16	-6.90	11000	--	19	ND	850	420	140	--	--
3/20/1998	57.92	16.39	0	41.53	14.37	ND	--	ND	ND	ND	ND	74	--	--

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (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
9/9/1998	57.92	25.70	0	32.22	-9.31	ND	--	ND	ND	ND	ND	ND	--	--
3/11/1999	57.92	23.12	0	34.80	2.58	7300	--	ND	ND	320	210	ND	--	--
9/8/1999	57.92	28.21	0	29.71	-5.09	7900	--	ND	ND	ND	160	ND	--	--
3/24/2000	57.92	21.12	0	36.80	7.09	3310	--	5.4	ND	101	43.3	ND	--	--
9/15/2000	57.92	27.68	0	30.24	-6.56	1540	--	ND	ND	56.4	ND	ND	12.6	--
3/16/2001	57.92	25.09	0	32.83	2.59	678	--	3.14	1	16.4	14.6	42.9	--	--
8/31/2001	57.92	28.53	0	29.39	-3.44	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	--
3/15/2002	57.92	25.05	0	32.87	3.48	1500	--	ND<2.50	ND<2.50	43	ND<2.50	ND<12	--	--
9/26/2002	57.92	28.98	0	28.94	-3.93	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--
3/16/2003	57.92	26.19	0	31.73	2.79	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--
9/3/2003	57.92	29.04	0	28.88	-2.85	--	1300	ND<0.50	0.53	19	ND<1	--	5.9	--
3/11/2004	57.92	25.03	0	32.89	4.01	--	130	ND<0.50	ND<0.50	1.1	ND<1.0	--	ND<2.0	--
9/24/2004	57.92	30.70	0	27.22	-5.67	--	640	ND<0.50	ND<0.50	6.5	ND<1.0	--	1.1	--
3/29/2005	57.92	22.80	0	35.12	7.90	--	73	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/12/2005	57.92	27.63	0	30.29	-4.83	--	160	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.2	--
3/27/2006	57.92	20.83	0	37.09	6.80	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/8/2006	57.92	26.21	0	31.71	-5.38	--	65	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--
1/29/2007	57.92	28.14	0	29.78	-1.93	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--
7/2/2007	57.92	29.03	0	28.89	-0.89	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--
1/14/2008	57.92	28.64	0	29.28	0.39	--	52	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/2/2008	57.92	31.38	0	26.54	-2.74	--	80	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/13/2009	57.92	26.92	0	31.00	4.46	--	88	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/1/2009	57.92	31.26	0	26.66	-4.34	--	280	ND<0.50	ND<0.50	0.98	ND<1.0	--	ND<0.50	--
1/26/2010	57.92	28.18	0	29.74	3.08	--	57	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/30/2010	57.92	30.13	0	27.79	-1.95	--	99	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/17/2011	57.92	24.91	0	33.01	5.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
MW-4														
10/3/1988	58.29	36.12	0	22.17	--	ND	--	ND	ND	ND	ND	--	--	--
1/27/1989	58.29	34.87	0	23.42	1.25	ND	--	ND	ND	ND	ND	--	--	--
2/16/1990	58.29	35.60	0	22.69	-0.73	ND	--	ND	ND	ND	ND	--	--	--
5/1/1990	58.29	--	--	--	--	ND	--	ND	ND	0.68	1.4	--	--	--
7/19/1990	58.29	35.78	0	22.51	--	--	--	--	--	--	--	--	--	--
8/24/1990	58.29	36.35	0	21.94	-0.57	ND	--	ND	ND	ND	ND	--	--	--

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (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
11/30/1990	58.29	37.46	0	20.83	-1.11	ND	--	ND	ND	ND	1.2	--	--	--
2/6/1991	58.29	37.40	0	20.89	0.06	ND	--	ND	ND	ND	ND	--	--	--
5/6/1991	58.29	33.39	0	24.90	4.01	--	--	--	--	--	--	--	--	--
9/27/1991	58.29	36.90	0	21.39	-3.51	ND	--	ND	ND	ND	ND	--	--	--
12/27/1991	58.29	37.76	0	20.53	-0.86	ND	--	ND	ND	ND	ND	--	--	--
3/31/1992	58.29	31.41	0	26.88	6.35	ND	--	ND	ND	ND	ND	--	--	--
6/18/1992	58.29	33.09	0	25.20	-1.68	ND	--	ND	ND	ND	ND	--	--	--
10/16/1992	58.29	35.92	0	22.37	-2.83	ND	--	ND	ND	ND	ND	--	--	--
11/18/1992	58.29	36.33	0	21.96	-0.41	--	--	--	--	--	--	--	--	--
3/3/1993	58.29	26.43	0	31.86	9.90	68	--	0.9	0.6	ND	1.9	--	--	--
6/25/1993	58.29	28.60	0	29.69	-2.17	--	--	--	--	--	--	--	--	--
9/3/1993	58.29	31.05	0	27.24	-2.45	86	--	14	13	1.4	7.1	--	--	--
12/13/1993	58.29	33.09	0	25.20	-2.04	--	--	--	--	--	--	--	--	Sampled semi-annually
3/18/1994	58.29	30.42	0	27.87	2.67	ND	--	ND	ND	ND	ND	--	--	--
6/23/1994	58.29	31.95	0	26.34	-1.53	--	--	--	--	--	--	--	--	--
9/21/1994	58.29	33.86	0	24.43	-1.91	ND	--	ND	0.78	ND	0.81	--	--	--
12/19/1994	58.29	31.72	0	26.57	2.14	--	--	--	--	--	--	--	--	--
3/27/1995	58.29	23.44	0	34.85	8.28	ND	--	ND	0.79	0.51	3.1	--	--	--
6/26/1995	58.29	26.26	0	32.03	-2.82	--	--	--	--	--	--	--	--	--
7/28/1995	58.29	27.53	0	30.76	-1.27	--	--	--	--	--	--	--	--	--
9/28/1995	58.29	30.05	0	28.24	-2.52	ND	--	ND	ND	ND	ND	--	--	--
10/24/1995	58.29	30.79	0	27.50	-0.74	--	--	--	--	--	--	--	--	--
12/29/1995	58.29	30.96	0	27.33	-0.17	--	--	--	--	--	--	--	--	--
3/27/1996	58.29	22.71	0	35.58	8.25	ND	--	ND	0.7	ND	0.79	ND	--	--
9/21/1996	58.29	29.88	0	28.41	-7.17	ND	--	ND	ND	ND	ND	ND	--	--
3/31/1997	58.29	24.72	0	33.57	5.16	ND	--	ND	ND	ND	ND	ND	--	--
9/27/1997	58.29	31.68	0	26.61	-6.96	ND	--	ND	ND	ND	ND	ND	--	--
3/20/1998	58.29	17.27	0	41.02	14.41	ND	--	ND	ND	ND	ND	ND	--	--
9/9/1998	58.29	26.58	0	31.71	-9.31	ND	--	ND	ND	ND	0.65	3	--	--
3/11/1999	58.29	24.12	0	34.17	2.46	ND	--	ND	0.7	ND	1.2	ND	--	--
9/8/1999	58.29	29.18	0	29.11	-5.06	ND	--	ND	ND	ND	0.78	ND	--	--
3/24/2000	58.29	22.08	0	36.21	7.10	ND	--	ND	ND	ND	ND	ND	--	--
9/15/2000	58.29	28.63	0	29.66	-6.55	ND	--	ND	1.36	ND	1.46	ND	--	--

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 17, 2011
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (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
11/30/1990	58.29	37.46	0	20.83	-1.11	ND	--	ND	ND	ND	1.2	--	--	--
2/6/1991	58.29	37.40	0	20.89	0.06	ND	--	ND	ND	ND	ND	--	--	--
5/6/1991	58.29	33.39	0	24.90	4.01	--	--	--	--	--	--	--	--	--
9/27/1991	58.29	36.90	0	21.39	-3.51	ND	--	ND	ND	ND	ND	--	--	--
12/27/1991	58.29	37.76	0	20.53	-0.86	ND	--	ND	ND	ND	ND	--	--	--
3/31/1992	58.29	31.41	0	26.88	6.35	ND	--	ND	ND	ND	ND	--	--	--
6/18/1992	58.29	33.09	0	25.20	-1.68	ND	--	ND	ND	ND	ND	--	--	--
10/16/1992	58.29	35.92	0	22.37	-2.83	ND	--	ND	ND	ND	ND	--	--	--
11/18/1992	58.29	36.33	0	21.96	-0.41	--	--	--	--	--	--	--	--	--
3/3/1993	58.29	26.43	0	31.86	9.90	68	--	0.9	0.6	ND	1.9	--	--	--
6/25/1993	58.29	28.60	0	29.69	-2.17	--	--	--	--	--	--	--	--	--
9/3/1993	58.29	31.05	0	27.24	-2.45	86	--	14	13	1.4	7.1	--	--	--
12/13/1993	58.29	33.09	0	25.20	-2.04	--	--	--	--	--	--	--	--	Sampled semi-annually
3/18/1994	58.29	30.42	0	27.87	2.67	ND	--	ND	ND	ND	ND	--	--	--
6/23/1994	58.29	31.95	0	26.34	-1.53	--	--	--	--	--	--	--	--	--
9/21/1994	58.29	33.86	0	24.43	-1.91	ND	--	ND	0.78	ND	0.81	--	--	--
12/19/1994	58.29	31.72	0	26.57	2.14	--	--	--	--	--	--	--	--	--
3/27/1995	58.29	23.44	0	34.85	8.28	ND	--	ND	0.79	0.51	3.1	--	--	--
6/26/1995	58.29	26.26	0	32.03	-2.82	--	--	--	--	--	--	--	--	--
7/28/1995	58.29	27.53	0	30.76	-1.27	--	--	--	--	--	--	--	--	--
9/28/1995	58.29	30.05	0	28.24	-2.52	ND	--	ND	ND	ND	ND	--	--	--
10/24/1995	58.29	30.79	0	27.50	-0.74	--	--	--	--	--	--	--	--	--
12/29/1995	58.29	30.96	0	27.33	-0.17	--	--	--	--	--	--	--	--	--
3/27/1996	58.29	22.71	0	35.58	8.25	ND	--	ND	0.7	ND	0.79	ND	--	--
9/21/1996	58.29	29.88	0	28.41	-7.17	ND	--	ND	ND	ND	ND	ND	--	--
3/31/1997	58.29	24.72	0	33.57	5.16	ND	--	ND	ND	ND	ND	ND	--	--
9/27/1997	58.29	31.68	0	26.61	-6.96	ND	--	ND	ND	ND	ND	ND	--	--
3/20/1998	58.29	17.27	0	41.02	14.41	ND	--	ND	ND	ND	ND	ND	--	--
9/9/1998	58.29	26.58	0	31.71	-9.31	ND	--	ND	ND	ND	0.65	3	--	--
3/11/1999	58.29	24.12	0	34.17	2.46	ND	--	ND	0.7	ND	1.2	ND	--	--
9/8/1999	58.29	29.18	0	29.11	-5.06	ND	--	ND	ND	ND	0.78	ND	--	--
3/24/2000	58.29	22.08	0	36.21	7.10	ND	--	ND	ND	ND	ND	ND	--	--
9/15/2000	58.29	28.63	0	29.66	-6.55	ND	--	ND	1.36	ND	1.46	ND	--	--

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 17, 2011
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (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
3/16/2001	58.29	26.14	0	32.15	2.49	ND	--	ND	ND	ND	ND	ND	--	--
8/31/2001	58.29	29.27	0	29.02	-3.13	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	--
3/15/2002	58.29	26.07	0	32.22	3.20	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	--
9/26/2002	58.29	29.95	0	28.34	-3.88	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--
3/16/2003	58.29	27.20	0	31.09	2.75	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--
9/3/2003	58.29	29.99	0	28.30	-2.79	--	ND<50	ND<0.50	0.58	ND<0.50	ND<1	--	ND<2	--
3/11/2004	58.29	26.07	0	32.22	3.92	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--
9/24/2004	58.29	31.71	0	26.58	-5.64	--	62	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/29/2005	58.29	23.93	0	34.36	7.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/12/2005	58.29	28.21	0	30.08	-4.28	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/27/2006	58.29	21.49	0	36.80	6.72	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/8/2006	58.29	26.81	0	31.48	-5.32	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--
1/29/2007	58.29	28.79	0	29.50	-1.98	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--
7/2/2007	58.29	29.67	0	28.62	-0.88	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--
1/14/2008	58.29	29.43	0	28.86	0.24	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/2/2008	58.29	32.07	0	26.22	-2.64	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/13/2009	58.29	27.70	0	30.59	4.37	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/1/2009	58.29	31.92	0	26.37	-4.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
1/26/2010	58.29	29.14	0	29.15	2.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/30/2010	58.29	31.43	0	26.86	-2.29	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/17/2011	58.29	25.63	0	32.66	5.80	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
MW-5														
2/16/1990	58.50	35.89	0	22.61	--	67	--	0.51	1.6	2.9	7.5	--	--	--
5/1/1990	58.50	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--
7/19/1990	58.50	36.10	0	22.40	--	--	--	--	--	--	--	--	--	--
8/24/1990	58.50	36.67	0	21.83	-0.57	ND	--	ND	ND	ND	ND	--	--	--
11/30/1990	58.50	37.74	0	20.76	-1.07	ND	--	ND	0.7	ND	ND	--	--	--
2/6/1991	58.50	37.62	0	20.88	0.12	ND	--	ND	ND	ND	ND	--	--	--
5/6/1991	58.50	33.67	0	24.83	3.95	--	--	--	--	--	--	--	--	--
9/27/1991	58.50	37.23	0	21.27	-3.56	ND	--	ND	ND	ND	ND	--	--	--
12/27/1991	58.50	38.02	0	20.48	-0.79	ND	--	ND	ND	ND	ND	--	--	--
3/31/1992	58.50	31.62	0	26.88	6.40	ND	--	ND	ND	ND	1.1	--	--	--
6/18/1992	58.50	33.46	0	25.04	-1.84	--	--	--	--	--	--	--	--	--

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 17, 2011
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (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
10/16/1992	58.50	36.23	0	22.27	-2.77	ND	--	ND	ND	ND	ND	--	--	--
11/18/1992	58.50	36.62	0	21.88	-0.39	--	--	--	--	--	--	--	--	--
3/3/1993	58.50	26.62	0	31.88	10.00	ND	--	ND	ND	ND	ND	--	--	--
6/25/1993	58.50	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
9/3/1993	58.50	31.45	0	27.05	--	ND	--	ND	1.5	ND	7.9	--	--	--
12/13/1993	58.50	33.39	0	25.11	-1.94	--	--	--	--	--	--	--	--	Sampled semi-annually
3/18/1994	58.50	30.67	0	27.83	2.72	ND	--	ND	ND	ND	ND	--	--	--
6/23/1994	58.50	32.00	0	26.50	-1.33	--	--	--	--	--	--	--	--	--
9/21/1994	58.50	33.90	0	24.60	-1.90	ND	--	ND	0.98	ND	1.6	--	--	--
12/19/1994	58.50	31.63	0	26.87	2.27	--	--	--	--	--	--	--	--	--
3/27/1995	58.50	23.44	0	35.06	8.19	ND	--	ND	0.66	ND	2.9	--	--	--
6/26/1995	58.50	26.35	0	32.15	-2.91	--	--	--	--	--	--	--	--	--
7/28/1995	58.50	27.63	0	30.87	-1.28	--	--	--	--	--	--	--	--	--
9/28/1995	58.50	30.15	0	28.35	-2.52	ND	--	ND	ND	ND	ND	--	--	--
10/24/1995	58.50	30.98	0	27.52	-0.83	--	--	--	--	--	--	--	--	--
12/29/1995	58.50	30.87	0	27.63	0.11	--	--	--	--	--	--	--	--	--
3/27/1996	58.50	22.75	0	35.75	8.12	ND	--	ND	1.7	ND	2.4	ND	--	--
9/21/1996	58.50	29.95	0	28.55	-7.20	ND	--	ND	ND	ND	ND	ND	--	--
3/31/1997	58.50	24.80	0	33.70	5.15	ND	--	ND	ND	ND	ND	ND	--	--
9/27/1997	58.50	31.65	0	26.85	-6.85	ND	--	ND	ND	ND	ND	ND	--	--
3/20/1998	58.50	17.31	0	41.19	14.34	ND	--	ND	ND	ND	ND	ND	--	--
9/9/1998	58.50	26.63	0	31.87	-9.32	ND	--	ND	ND	ND	ND	ND	--	--
3/11/1999	58.50	24.08	0	34.42	2.55	ND	--	ND	0.96	ND	1.7	ND	--	--
9/8/1999	58.50	29.16	0	29.34	-5.08	ND	--	ND	ND	ND	ND	ND	--	--
3/24/2000	58.50	22.06	0	36.44	7.10	ND	--	ND	ND	ND	0.957	ND	--	--
9/15/2000	58.50	28.64	0	29.86	-6.58	ND	--	ND	ND	ND	ND	ND	--	--
3/16/2001	58.50	26.05	0	32.45	2.59	ND	--	ND	ND	ND	ND	ND	--	--
8/31/2001	58.50	29.32	0	29.18	-3.27	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	--
3/15/2002	58.50	26.08	0	32.42	3.24	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	--
9/26/2002	58.50	29.96	0	28.54	-3.88	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--
3/16/2003	58.50	27.24	0	31.26	2.72	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--
9/3/2003	58.50	30.04	0	28.46	-2.80	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	--
3/11/2004	58.50	26.05	0	32.45	3.99	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

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76 Station 5367

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (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
9/24/2004	58.50	31.66	0	26.84	-5.61	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/29/2005	58.50	23.94	0	34.56	7.72	--	ND<50	ND<0.50	ND<0.50	ND<0.50	1.5	--	ND<0.50	--
9/12/2005	58.50	28.59	0	29.91	-4.65	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/27/2006	58.50	21.59	0	36.91	7.00	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/8/2006	58.50	27.15	0	31.35	-5.56	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--
1/29/2007	58.50	29.08	0	29.42	-1.93	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--
7/2/2007	58.50	29.98	0	28.52	-0.90	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--
1/14/2008	58.50	29.55	0	28.95	0.43	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/2/2008	58.50	32.35	0	26.15	-2.80	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/13/2009	58.50	27.88	0	30.62	4.47	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/1/2009	58.50	32.24	0	26.26	-4.36	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
1/26/2010	58.50	29.13	0	29.37	3.11	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/30/2010	58.50	31.10	0	27.40	-1.97	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/17/2011	58.50	25.88	0	32.62	5.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
MW-6														
2/16/1990	56.96	34.50	0	22.46	--	ND	--	ND	ND	ND	ND	--	--	--
5/1/1990	56.96	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--
7/19/1990	56.96	34.74	0	22.22	--	ND	--	ND	ND	ND	ND	--	--	--
8/24/1990	56.96	35.32	0	21.64	-0.58	ND	--	ND	ND	ND	ND	--	--	--
11/30/1990	56.96	36.38	0	20.58	-1.06	ND	--	ND	ND	ND	ND	--	--	--
2/6/1991	56.96	36.27	0	20.69	0.11	ND	--	ND	ND	ND	ND	--	--	--
5/6/1991	56.96	32.41	0	24.55	3.86	--	--	--	--	--	--	--	--	--
9/27/1991	56.96	35.87	0	21.09	-3.46	ND	--	ND	ND	ND	ND	--	--	--
12/27/1991	56.96	36.67	0	20.29	-0.80	ND	--	ND	ND	ND	ND	--	--	--
3/31/1992	56.96	30.32	0	26.64	6.35	ND	--	ND	1.3	ND	2	--	--	--
6/18/1992	56.96	32.18	0	24.78	-1.86	ND	--	ND	ND	ND	ND	--	--	--
10/16/1992	56.96	34.92	0	22.04	-2.74	ND	--	ND	ND	ND	ND	--	--	--
11/18/1992	56.96	35.28	0	21.68	-0.36	--	--	--	--	--	--	--	--	--
3/3/1993	56.96	25.43	0	31.53	9.85	ND	--	ND	ND	ND	ND	--	--	--
6/25/1993	56.96	27.86	0	29.10	-2.43	--	--	--	--	--	--	--	--	--
9/3/1993	56.96	30.25	0	26.71	-2.39	ND	--	ND	ND	ND	ND	--	--	--
12/13/1993	56.96	32.14	0	24.82	-1.89	--	--	--	--	--	--	--	--	--
3/18/1994	56.96	29.46	0	27.50	2.68	ND	--	ND	0.93	ND	1.4	--	--	--

Sampled semi-annually

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 17, 2011
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (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
6/23/1994	56.96	30.76	0	26.20	-1.30	--	--	--	--	--	--	--	--	--
9/21/1994	56.96	32.62	0	24.34	-1.86	ND	--	ND	ND	ND	ND	--	--	--
12/19/1994	56.96	30.32	0	26.64	2.30	--	--	--	--	--	--	--	--	--
3/27/1995	56.96	22.10	0	34.86	8.22	56	--	ND	0.65	ND	3.3	--	--	--
6/26/1995	56.96	25.20	0	31.76	-3.10	--	--	--	--	--	--	--	--	--
7/28/1995	56.96	26.48	0	30.48	-1.28	--	--	--	--	--	--	--	--	--
9/28/1995	56.96	28.92	0	28.04	-2.44	ND	--	ND	ND	ND	ND	--	--	--
10/24/1995	56.96	29.73	0	27.23	-0.81	--	--	--	--	--	--	--	--	--
12/29/1995	56.96	29.62	0	27.34	0.11	--	--	--	--	--	--	--	--	--
3/27/1996	56.96	21.59	0	35.37	8.03	50	--	ND	0.92	ND	0.96	ND	--	--
9/21/1996	56.96	28.72	0	28.24	-7.13	ND	--	ND	ND	ND	ND	ND	--	--
3/31/1997	56.96	23.72	0	33.24	5.00	73	--	0.67	0.82	ND	ND	ND	--	--
9/27/1997	56.96	30.52	0	26.44	-6.80	ND	--	ND	ND	ND	ND	ND	--	--
3/20/1998	56.96	16.35	0	40.61	14.17	ND	--	ND	ND	ND	ND	ND	--	--
9/9/1998	56.96	25.53	0	31.43	-9.18	ND	--	ND	0.64	ND	0.65	3.3	--	--
3/11/1999	56.96	22.85	0	34.11	2.68	ND	--	ND	0.71	ND	1.4	ND	--	--
9/8/1999	56.96	28.01	0	28.95	-5.16	ND	--	ND	ND	ND	ND	ND	--	--
3/24/2000	56.96	20.93	0	36.03	7.08	ND	--	ND	ND	ND	ND	ND	--	--
9/15/2000	56.96	27.51	0	29.45	-6.58	ND	--	ND	ND	ND	ND	ND	--	--
3/16/2001	56.96	24.87	0	32.09	2.64	ND	--	ND	ND	ND	ND	ND	--	--
8/31/2001	56.96	28.20	0	28.76	-3.33	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	--
3/15/2002	56.96	24.82	0	32.14	3.38	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	--
9/26/2002	56.96	28.72	0	28.24	-3.90	--	84	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--
3/16/2003	56.96	26.00	0	30.96	2.72	--	52	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--
9/3/2003	56.96	28.78	0	28.18	-2.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	--
3/11/2004	56.96	24.78	0	32.18	4.00	--	69	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--
9/24/2004	56.96	30.42	0	26.54	-5.64	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/29/2005	56.96	25.66	0	31.30	4.76	--	170	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/12/2005	56.96	27.41	0	29.55	-1.75	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/27/2006	56.96	21.42	0	35.54	5.99	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/8/2006	56.96	26.02	0	30.94	-4.60	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--
1/29/2007	56.96	27.91	0	29.05	-1.89	--	87	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--
7/2/2007	56.96	28.78	0	28.18	-0.87	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (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
1/14/2008	56.96	28.26	0	28.70	0.52	--	140	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/2/2008	56.96	31.10	0	25.86	-2.84	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/13/2009	56.96	26.63	0	30.33	4.47	--	130	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/1/2009	56.96	31.01	0	25.95	-4.38	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
1/26/2010	56.96	27.77	0	29.19	3.24	--	110	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/30/2010	56.96	29.88	0	27.08	-2.11	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/17/2011	56.96	24.70	0	32.26	5.18	--	86	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
MW-7														
2/16/1990	57.25	35.75	0	21.50	--	ND	--	ND	ND	ND	ND	--	--	--
5/1/1990	57.25	--	--	--	--	24	--	ND	ND	0.74	1.7	--	--	--
7/19/1990	57.25	35.03	0	22.22	--	--	--	--	--	--	--	--	--	--
8/24/1990	57.25	35.64	0	21.61	-0.61	ND	--	ND	ND	ND	ND	--	--	--
11/30/1990	57.25	36.68	0	20.57	-1.04	ND	--	ND	ND	0.6	1.5	--	--	--
2/6/1991	57.25	36.55	0	20.70	0.13	ND	--	ND	ND	ND	ND	--	--	--
5/6/1991	57.25	32.69	0	24.56	3.86	ND	--	ND	ND	ND	ND	--	--	--
9/27/1991	57.25	36.18	0	21.07	-3.49	ND	--	ND	ND	ND	ND	--	--	--
12/27/1991	57.25	36.96	0	20.29	-0.78	ND	--	ND	ND	ND	ND	--	--	--
3/31/1992	57.25	30.56	0	26.69	6.40	ND	--	ND	ND	ND	0.9	--	--	--
6/18/1992	57.25	32.52	0	24.73	-1.96	--	--	--	--	--	--	--	--	--
10/16/1992	57.25	35.24	0	22.01	-2.72	ND	--	ND	ND	ND	ND	--	--	--
11/18/1992	57.25	35.59	0	21.66	-0.35	--	--	--	--	--	--	--	--	--
3/3/1993	57.25	25.66	0	31.59	9.93	ND	--	ND	ND	ND	ND	--	--	--
6/25/1993	57.25	28.25	0	29.00	-2.59	--	--	--	--	--	--	--	--	--
9/3/1993	57.25	30.60	0	26.65	-2.35	ND	--	ND	ND	ND	ND	--	--	--
12/13/1993	57.25	32.45	0	24.80	-1.85	--	--	--	--	--	--	--	--	--
3/18/1994	57.25	29.76	0	27.49	2.69	ND	--	ND	ND	ND	ND	--	--	--
6/23/1994	57.25	31.10	0	26.15	-1.34	--	--	--	--	--	--	--	--	--
9/21/1994	57.25	32.96	0	24.29	-1.86	ND	--	0.5	ND	ND	0.89	--	--	--
12/19/1994	57.25	30.60	0	26.65	2.36	--	--	--	--	--	--	--	--	--
3/27/1995	57.25	22.43	0	34.82	8.17	ND	--	ND	0.54	ND	1.9	--	--	--
6/26/1995	57.25	25.55	0	31.70	-3.12	--	--	--	--	--	--	--	--	--
7/28/1995	57.25	26.84	0	30.41	-1.29	--	--	--	--	--	--	--	--	--
9/28/1995	57.25	29.29	0	27.96	-2.45	ND	--	ND	ND	ND	ND	--	--	--

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (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
10/24/1995	57.25	30.05	0	27.20	-0.76	--	--	--	--	--	--	--	--	--
12/29/1995	57.25	29.91	0	27.34	0.14	--	--	--	--	--	--	--	--	--
3/27/1996	57.25	21.94	0	35.31	7.97	ND	--	ND	1.1	ND	1.7	ND	--	--
9/21/1996	57.25	29.07	0	28.18	-7.13	ND	--	ND	ND	ND	ND	ND	--	--
3/31/1997	57.25	24.02	0	33.23	5.05	ND	--	ND	ND	ND	ND	ND	--	--
9/27/1997	57.25	30.84	0	26.41	-6.82	ND	--	ND	ND	ND	ND	ND	--	--
3/20/1998	57.25	16.68	0	40.57	14.16	ND	--	ND	ND	ND	ND	ND	--	--
9/9/1998	57.25	25.89	0	31.36	-9.21	ND	--	ND	ND	ND	ND	4.1	--	--
3/11/1999	57.25	23.16	0	34.09	2.73	ND	--	ND	0.91	ND	1.6	5.7	--	--
9/8/1999	57.25	28.32	0	28.93	-5.16	ND	--	ND	ND	ND	ND	2.7	--	--
3/24/2000	57.25	21.23	0	36.02	7.09	ND	--	ND	ND	ND	ND	ND	--	--
9/15/2000	57.25	27.83	0	29.42	-6.60	ND	--	ND	ND	ND	ND	ND	--	--
3/16/2001	57.25	25.15	0	32.10	2.68	ND	--	ND	ND	ND	ND	ND	--	--
8/31/2001	57.25	28.49	0	28.76	-3.34	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	--
3/15/2002	57.25	24.96	0	32.29	3.53	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	--
9/26/2002	57.25	29.09	0	28.16	-4.13	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--
3/16/2003	57.25	26.33	0	30.92	2.76	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--
9/3/2003	57.25	29.14	0	28.11	-2.81	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	--
3/11/2004	57.25	25.09	0	32.16	4.05	--	72	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--
9/24/2004	57.25	30.73	0	26.52	-5.64	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/29/2005	57.25	23.00	0	34.25	7.73	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/12/2005	57.25	27.71	0	29.54	-4.71	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/27/2006	57.25	21.28	0	35.97	6.43	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/8/2006	57.25	26.35	0	30.90	-5.07	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--
1/29/2007	57.25	28.19	0	29.06	-1.84	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--
7/2/2007	57.25	29.10	0	28.15	-0.91	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--
1/14/2008	57.25	28.51	0	28.74	0.59	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/2/2008	57.25	31.40	0	25.85	-2.89	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/13/2009	57.25	26.89	0	30.36	4.51	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/1/2009	57.25	31.33	0	25.92	-4.44	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
1/26/2010	57.25	27.96	0	29.29	3.37	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.65	--
9/30/2010	57.25	30.22	0	27.03	-2.26	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/17/2011	57.25	24.99	0	32.26	5.23	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--

Table 2
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (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														
2/16/1990	57.71	35.10	0	22.61	--	1900	--	11	ND	52	55	--	--	--
5/1/1990	57.71	--	--	--	--	770	--	6.5	ND	20	32	--	--	--
7/19/1990	57.71	35.41	0	22.30	--	--	--	--	--	--	--	--	--	--
8/24/1990	57.71	36.00	0	21.71	-0.59	990	--	13	ND	48	66	--	--	--
11/30/1990	57.71	37.08	0	20.63	-1.08	570	--	13	ND	45	36	--	--	--
2/6/1991	57.71	36.92	0	20.79	0.16	630	--	9.6	ND	35	36	--	--	--
5/6/1991	57.71	33.03	0	24.68	3.89	14000	--	80	ND	250	550	--	--	--
9/27/1991	57.71	36.55	0	21.16	-3.52	720	--	13	4.3	26	26	--	--	--
12/27/1991	57.71	37.34	0	20.37	-0.79	1600	--	15	2.9	40	49	--	--	--
3/31/1992	57.71	31.93	0	25.78	5.41	15000	--	120	1	430	530	--	--	--
6/18/1992	57.71	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
10/16/1992	57.71	35.58	0	22.13	--	300	--	0.96	ND	4	3.5	--	--	--
11/18/1992	57.71	35.94	0	21.77	-0.36	1100	--	6.1	ND	13	5.6	--	--	--
3/3/1993	57.71	26.00	0	31.71	9.94	13000	--	33	ND	160	290	--	--	--
6/25/1993	57.71	28.27	0	29.44	-2.27	8100	--	160	ND	580	740	--	--	--
9/3/1993	57.71	30.90	0	26.81	-2.63	9800	--	180	ND	580	700	--	--	--
12/13/1993	57.71	32.75	0	24.96	-1.85	6900	--	180	ND	240	550	--	--	--
3/18/1994	57.71	30.12	0	27.59	2.63	6100	--	85	ND	260	260	--	--	--
6/23/1994	57.71	31.40	0	26.31	-1.28	12000	--	210	ND	610	860	--	--	--
9/21/1994	57.71	33.30	0	24.41	-1.90	6900	--	190	ND	460	510	--	--	--
12/19/1994	57.71	30.95	0	26.76	2.35	6200	--	91	ND	230	210	--	--	--
3/27/1995	57.71	22.78	0	34.93	8.17	9200	--	240	ND	200	1400	--	--	--
6/26/1995	57.71	24.83	0	32.88	-2.05	11000	--	320	ND	680	2000	--	--	--
7/28/1995	57.71	27.10	0	30.61	-2.27	--	--	--	--	--	--	--	--	--
9/28/1995	57.71	29.58	0	28.13	-2.48	10000	--	250	ND	760	910	--	--	--
10/24/1995	57.71	30.40	0	27.31	-0.82	--	--	--	--	--	--	--	--	--
12/29/1995	57.71	30.25	0	27.46	0.15	7500	--	260	ND	580	870	--	--	--
3/27/1996	57.71	22.20	0	35.51	8.05	970	--	29	0.77	82	85	ND	--	--
9/21/1996	57.71	29.34	0	28.37	-7.14	3800	--	27	ND	46	45	ND	--	--
3/31/1997	57.71	24.35	0	33.36	4.99	ND	--	ND	ND	ND	ND	ND	--	--
9/27/1997	57.71	31.15	0	26.56	-6.80	78	--	0.9	ND	12	ND	ND	--	--
3/20/1998	57.71	16.84	0	40.87	14.31	ND	--	ND	ND	ND	ND	ND	--	--

Table 2
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (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
9/9/1998	57.71	26.14	0	31.57	-9.30	910	--	ND	49	12	2.2	1.5	--	--
3/11/1999	57.71	23.48	0	34.23	2.66	4700	--	9.6	ND	280	95	ND	--	--
9/8/1999	57.71	28.60	0	29.11	-5.12	1900	--	ND	ND	36	ND	ND	--	--
3/24/2000	57.71	21.49	0	36.22	7.11	ND	--	ND	ND	ND	ND	ND	--	--
9/15/2000	57.71	28.09	0	29.62	-6.60	533	--	2.23	ND	6.27	0.684	ND	--	--
3/16/2001	57.71	25.43	0	32.28	2.66	1000	--	ND	ND	17.8	44.5	ND	--	--
8/31/2001	57.71	28.89	0	28.82	-3.46	6500	--	8.6	7.4	420	1900	ND<25	--	--
3/15/2002	57.71	25.45	0	32.26	3.44	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
9/26/2002	57.71	29.37	0	28.34	-3.92	--	290	ND<0.50	ND<0.50	0.65	ND<1.0	--	ND<2.0	--
3/16/2003	57.71	26.65	0	31.06	2.72	--	--	--	--	--	--	--	--	Inaccessible
9/3/2003	57.71	29.46	0	28.25	-2.81	--	450	ND<0.50	0.69	ND<0.50	ND<1.0	--	ND<2.0	--
3/11/2004	57.71	25.42	0	32.29	4.04	--	950	ND<0.50	ND<0.50	15	1.4	--	ND<2.0	--
9/24/2004	57.71	31.08	0	26.63	-5.66	--	230	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/29/2005	57.71	23.30	0	34.41	7.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/12/2005	57.71	28.07	0	29.64	-4.77	--	160	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/27/2006	57.71	21.28	0	36.43	6.79	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/8/2006	57.71	26.61	0	31.10	-5.33	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--
1/29/2007	57.71	28.48	0	29.23	-1.87	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--
7/2/2007	57.71	29.39	0	28.32	-0.91	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--
1/14/2008	57.71	28.85	0	28.86	0.54	--	130	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/2/2008	57.71	31.72	0	25.99	-2.87	--	85	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/13/2009	57.71	27.21	0	30.50	4.51	--	130	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/1/2009	57.71	31.63	0	26.08	-4.42	--	140	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
1/26/2010	57.71	28.35	0	29.36	3.28	--	140	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/30/2010	57.71	30.52	0	27.19	-2.17	--	130	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/17/2011	57.71	25.26	0	32.45	5.26	--	55	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
MW-9														
12/19/1994	56.47	29.71	0	26.76	--	ND	--	ND	1.6	1.5	8.4	--	--	--
3/27/1995	56.47	21.48	0	34.99	8.23	ND	--	ND	0.61	ND	2.8	--	--	--
6/26/1995	56.47	24.50	0	31.97	-3.02	ND	--	ND	ND	ND	3.9	--	--	--
7/28/1995	56.47	25.77	0	30.70	-1.27	--	--	--	--	--	--	--	--	--
9/28/1995	56.47	28.23	0	28.24	-2.46	ND	--	ND	ND	ND	ND	--	--	--
10/24/1995	56.47	29.21	0	27.26	-0.98	--	--	--	--	--	--	--	--	--

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 17, 2011
76 Station 5367

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (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
12/29/1995	56.47	29.02	0	27.45	0.19	ND	--	ND	0.58	ND	0.52	ND	--	--
3/27/1996	56.47	20.91	0	35.56	8.11	ND	--	ND	0.68	ND	0.51	ND	--	--
9/21/1996	56.47	28.05	0	28.42	-7.14	ND	--	ND	ND	ND	ND	ND	--	--
3/31/1997	56.47	23.48	0	32.99	4.57	ND	--	ND	ND	ND	ND	ND	--	--
9/27/1997	56.47	30.38	0	26.09	-6.90	ND	--	ND	ND	ND	ND	ND	--	--
3/20/1998	56.47	15.60	0	40.87	14.78	ND	--	ND	ND	ND	ND	ND	--	--
9/9/1998	56.47	24.85	0	31.62	-9.25	ND	--	0.69	ND	ND	0.61	ND	--	--
3/11/1999	56.47	22.23	0	34.24	2.62	ND	--	ND	ND	ND	0.76	ND	--	--
9/8/1999	56.47	27.34	0	29.13	-5.11	ND	--	ND	ND	ND	ND	ND	--	--
3/24/2000	56.47	20.27	0	36.20	7.07	ND	--	ND	ND	ND	ND	ND	--	--
9/15/2000	56.47	26.84	0	29.63	-6.57	ND	--	ND	ND	ND	ND	ND	--	--
3/16/2001	56.47	24.24	0	32.23	2.60	ND	--	ND	ND	ND	ND	ND	--	--
8/31/2001	56.47	27.43	0	29.04	-3.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
3/15/2002	56.47	24.79	0	31.68	2.64	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
9/26/2002	56.47	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
3/16/2003	56.47	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
9/3/2003	56.47	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
3/11/2004	56.47	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
9/24/2004	56.47	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
3/29/2005	56.47	21.92	0	34.55	--	--	91	ND<0.50	ND<0.50	1.3	ND<1.0	--	ND<0.50	--
9/12/2005	56.47	26.73	0	29.74	-4.81	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/27/2006	56.47	20.75	0	35.72	5.98	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/8/2006	56.47	25.33	0	31.14	-4.58	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--
1/29/2007	56.47	27.27	0	29.20	-1.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--
7/2/2007	56.47	28.13	0	28.34	-0.86	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--
1/14/2008	56.47	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
9/2/2008	56.47	30.47	0	26.00	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/13/2009	56.47	26.05	0	30.42	4.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/1/2009	56.47	30.35	0	26.12	-4.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
1/26/2010	56.47	27.29	0	29.18	3.06	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/30/2010	56.47	29.23	0	27.24	-1.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/17/2011	56.47	24.06	0	32.41	5.17	--	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

March 17, 2011
76 Station 5367

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (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														
7/28/1995	58.94	25.53	0	33.41	--	ND	--	ND	ND	ND	ND	--	--	--
9/28/1995	58.94	--	--	--	--	--	--	--	--	--	--	--	--	--
10/24/1995	58.94	31.76	0	27.18	--	ND	--	ND	ND	ND	ND	--	--	--
12/29/1995	58.94	31.55	0	27.39	0.21	ND	--	ND	0.65	ND	1.1	--	--	--
3/27/1996	58.94	23.62	0	35.32	7.93	ND	--	ND	0.68	ND	0.69	ND	--	--
9/21/1996	58.94	30.77	0	28.17	-7.15	ND	--	ND	ND	ND	ND	ND	--	--
3/31/1997	58.94	26.05	0	32.89	4.72	ND	--	ND	ND	ND	ND	ND	--	--
9/27/1997	58.94	32.80	0	26.14	-6.75	ND	--	ND	ND	ND	ND	ND	--	--
3/20/1998	58.94	18.13	0	40.81	14.67	ND	--	ND	ND	ND	ND	ND	--	--
9/9/1998	58.94	27.54	0	31.40	-9.41	ND	--	ND	0.55	ND	ND	ND	--	--
3/11/1999	58.94	24.85	0	34.09	2.69	ND	--	ND	0.61	ND	0.87	ND	--	--
9/8/1999	58.94	29.97	0	28.97	-5.12	ND	--	ND	ND	ND	ND	ND	--	--
3/24/2000	58.94	22.90	0	36.04	7.07	ND	--	ND	ND	ND	ND	ND	--	--
9/15/2000	58.94	29.48	0	29.46	-6.58	ND	--	ND	ND	ND	ND	ND	--	--
3/16/2001	58.94	26.80	0	32.14	2.68	ND	--	ND	ND	ND	ND	ND	--	--
8/31/2001	58.94	30.05	0	28.89	-3.25	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
3/15/2002	58.94	26.61	0	32.33	3.44	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
9/26/2002	58.94	30.68	0	28.26	-4.07	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--
3/16/2003	58.94	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
9/3/2003	58.94	38.87	0	20.07	--	--	ND<0.50	ND<0.50	1.8	ND<0.50	ND<1.0	--	ND<2	--
3/11/2004	58.94	26.80	0	32.14	12.07	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--
9/24/2004	58.94	32.42	0	26.52	-5.62	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/29/2005	58.94	24.11	0	34.83	8.31	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/12/2005	58.94	29.43	0	29.51	-5.32	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/27/2006	58.94	22.72	0	36.22	6.71	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/8/2006	58.94	28.02	0	30.92	-5.30	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--
1/29/2007	58.94	29.85	0	29.09	-1.83	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--
7/2/2007	58.94	30.76	0	28.18	-0.91	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--
1/14/2008	58.94	30.11	0	28.83	0.65	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/2/2008	58.94	33.07	0	25.87	-2.96	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/13/2009	58.94	28.52	0	30.42	4.55	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/1/2009	58.94	33.01	0	25.93	-4.49	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--

Table 2
HISTORICT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 17, 2011
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (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
1/26/2010	58.94	29.53	0	29.41	3.48	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
9/30/2010	58.94	31.90	0	27.04	-2.37	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
3/17/2011	58.94	26.65	0	32.29	5.25	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--

Table 2a
ADDITIONAL HISTORIC ANALYTICAL RESULTS

76 Station 5367

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	TDS (mg/l)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Comments
MW-1												
3/27/1995	--	--	--	--	--	--	--	--	--	1.50	--	
6/26/1995	--	--	--	--	--	--	--	--	--	1.60	--	
9/28/1995	--	--	--	--	--	--	--	--	--	1.22	--	
12/29/1995	--	--	--	--	--	--	--	--	--	1.74	--	
3/27/1996	--	--	--	--	--	--	--	--	--	1.02	1.48	
9/21/1996	--	--	--	--	--	--	--	--	--	1.01	--	
3/31/1997	--	--	--	--	--	--	--	--	--	1.49	1.47	
3/16/2003	ND<50000	ND<250000	ND<1000	--	ND<1000	ND<1000	ND<1000	ND<1000	--	--	--	
9/30/2010	--	--	ND<5.0	ND<0.010	ND<5.0	--	--	--	--	--	--	
3/17/2011	--	--	ND<5.0	--	ND<5.0	--	--	--	--	--	--	
MW-2												
3/27/1995	--	--	--	--	--	--	--	--	410	1.70	--	
6/26/1995	--	--	--	--	--	--	--	--	--	4.55	--	
9/28/1995	--	--	--	--	--	--	--	--	--	3.00	--	
12/29/1995	--	--	--	--	--	--	--	--	--	8.71	--	
3/31/1997	--	--	--	--	--	--	--	--	--	2.12	2.18	
3/16/2003	ND<100	ND<500	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	
9/30/2010	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	
3/17/2011	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	
MW-3												
3/27/1995	--	--	--	--	--	--	--	--	450	0.90	--	
6/26/1995	--	--	--	--	--	--	--	--	--	1.55	--	
9/28/1995	--	--	--	--	--	--	--	--	--	1.63	--	
12/29/1995	--	--	--	--	--	--	--	--	--	6.97	--	
3/31/1997	--	--	--	--	--	--	--	--	--	2.06	1.95	
9/15/2000	ND<100	ND<1000	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	
3/16/2003	ND<100	ND<500	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	
9/30/2010	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	
3/17/2011	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	
MW-4												
3/27/1995	--	--	--	--	--	--	--	--	--	4.90	--	
9/28/1995	--	--	--	--	--	--	--	--	--	6.29	--	
3/27/1996	--	--	--	--	--	--	--	--	--	3.91	4.32	

Table 2a
ADDITIONAL HISTORIC ANALYTICAL RESULTS

76 Station 5367

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	TDS (mg/l)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Comments
9/21/1996	--	--	--	--	--	--	--	--	--	2.82	--	
3/31/1997	--	--	--	--	--	--	--	--	--	2.63	2.66	
3/16/2003	ND<100	ND<500	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	
9/30/2010	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	
3/17/2011	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	
MW-5												
3/27/1995	--	--	--	--	--	--	--	--	--	5.20	--	
9/28/1995	--	--	--	--	--	--	--	--	--	1.96	--	
3/27/1996	--	--	--	--	--	--	--	--	--	4.71	4.03	
9/21/1996	--	--	--	--	--	--	--	--	--	4.12	--	
3/31/1997	--	--	--	--	--	--	--	--	--	3.11	2.98	
3/16/2003	ND<100	ND<500	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	
9/30/2010	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	
3/17/2011	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	
MW-6												
3/27/1995	--	--	--	--	--	--	--	--	--	7.40	--	
9/28/1995	--	--	--	--	--	--	--	--	--	4.19	--	
3/27/1996	--	--	--	--	--	--	--	--	--	4.96	5.94	
9/21/1996	--	--	--	--	--	--	--	--	--	3.74	--	
3/31/1997	--	--	--	--	--	--	--	--	--	3.11	3.21	
3/16/2003	ND<100	ND<500	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	
9/30/2010	--	--	ND<0.50	ND<0.010	ND<0.50	--	--	--	--	--	--	
3/17/2011	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	
MW-7												
3/27/1995	--	--	--	--	--	--	--	--	--	8.40	--	
9/28/1995	--	--	--	--	--	--	--	--	--	2.04	--	
3/27/1996	--	--	--	--	--	--	--	--	--	5.23	6.63	
9/21/1996	--	--	--	--	--	--	--	--	--	1.19	--	
3/31/1997	--	--	--	--	--	--	--	--	--	2.16	2.29	
3/16/2003	ND<100	ND<500	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	
9/30/2010	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	
3/17/2011	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	
MW-8												
3/27/1995	--	--	--	--	--	--	--	--	490	2.20	--	

Table 2a
ADDITIONAL HISTORIC ANALYTICAL RESULTS

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Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	TDS (mg/l)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Comments
6/26/1995	--	--	--	--	--	--	--	--	--	3.86	--	
9/28/1995	--	--	--	--	--	--	--	--	--	1.85	--	
12/29/1995	--	--	--	--	--	--	--	--	--	2.03	--	
3/27/1996	--	--	--	--	--	--	--	--	--	9.76	11.73	
9/21/1996	--	--	--	--	--	--	--	--	--	2.16	--	
3/31/1997	--	--	--	--	--	--	--	--	--	2.91	2.81	
9/27/1997	--	--	--	--	--	--	--	--	--	--	3.11	
3/20/1998	--	--	--	--	--	--	--	--	--	2.65	--	
9/30/2010	--	--	ND<0.50	ND<0.010	ND<0.50	--	--	--	--	--	--	
3/17/2011	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	
MW-9												
3/27/1995	--	--	--	--	--	--	--	--	--	7.8	--	
6/26/1995	--	--	--	--	--	--	--	--	--	4.61	--	
9/28/1995	--	--	--	--	--	--	--	--	--	5.76	--	
12/29/1995	--	--	--	--	--	--	--	--	--	5.32	--	
3/27/1996	--	--	--	--	--	--	--	--	--	5.23	5.62	
9/21/1996	--	--	--	--	--	--	--	--	--	4.13	--	
3/31/1997	--	--	--	--	--	--	--	--	--	3.27	3.36	
9/30/2010	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	
3/17/2011	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	
MW-10												
12/29/1995	--	--	--	--	--	--	--	--	--	5.11	--	
3/27/1996	--	--	--	--	--	--	--	--	--	4.57	4.38	
9/21/1996	--	--	--	--	--	--	--	--	--	5.38	--	
3/31/1997	--	--	--	--	--	--	--	--	--	4.83	4.48	
9/30/2010	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	
3/17/2011	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	

TABLE KEY

STANDARD ABBREVIATIONS

--	=	not analyzed, measured, or collected
LPH	=	liquid-phase hydrocarbons
µg/l	=	micrograms per liter (approx. equivalent to parts per billion, ppb)
mg/l	=	milligrams per liter (approx. equivalent to parts per million, ppm)
ND<	=	not detected at or above laboratory detection limit
TOC	=	top of casing (surveyed reference elevation)
D	=	duplicate
P	=	no-purge sample

ANALYTES

DIPE	=	di-isopropyl ether
ETBE	=	ethyl tertiary butyl ether
MTBE	=	methyl tertiary butyl ether
PCB	=	polychlorinated biphenyls
PCE	=	tetrachloroethene
TBA	=	tertiary butyl alcohol
TCA	=	trichloroethane
TCE	=	trichloroethene
TPH-G	=	total petroleum hydrocarbons with gasoline distinction
TPH-G (GC/MS)	=	total petroleum hydrocarbons with gasoline distinction utilizing EPA Method 8260B
TPH-D	=	total petroleum hydrocarbons with diesel distinction
TRPH	=	total recoverable petroleum hydrocarbons
TAME	=	tertiary amyl methyl ether
1,2-DCA	=	1,2-dichloroethane (same as EDC, ethylene dichloride)

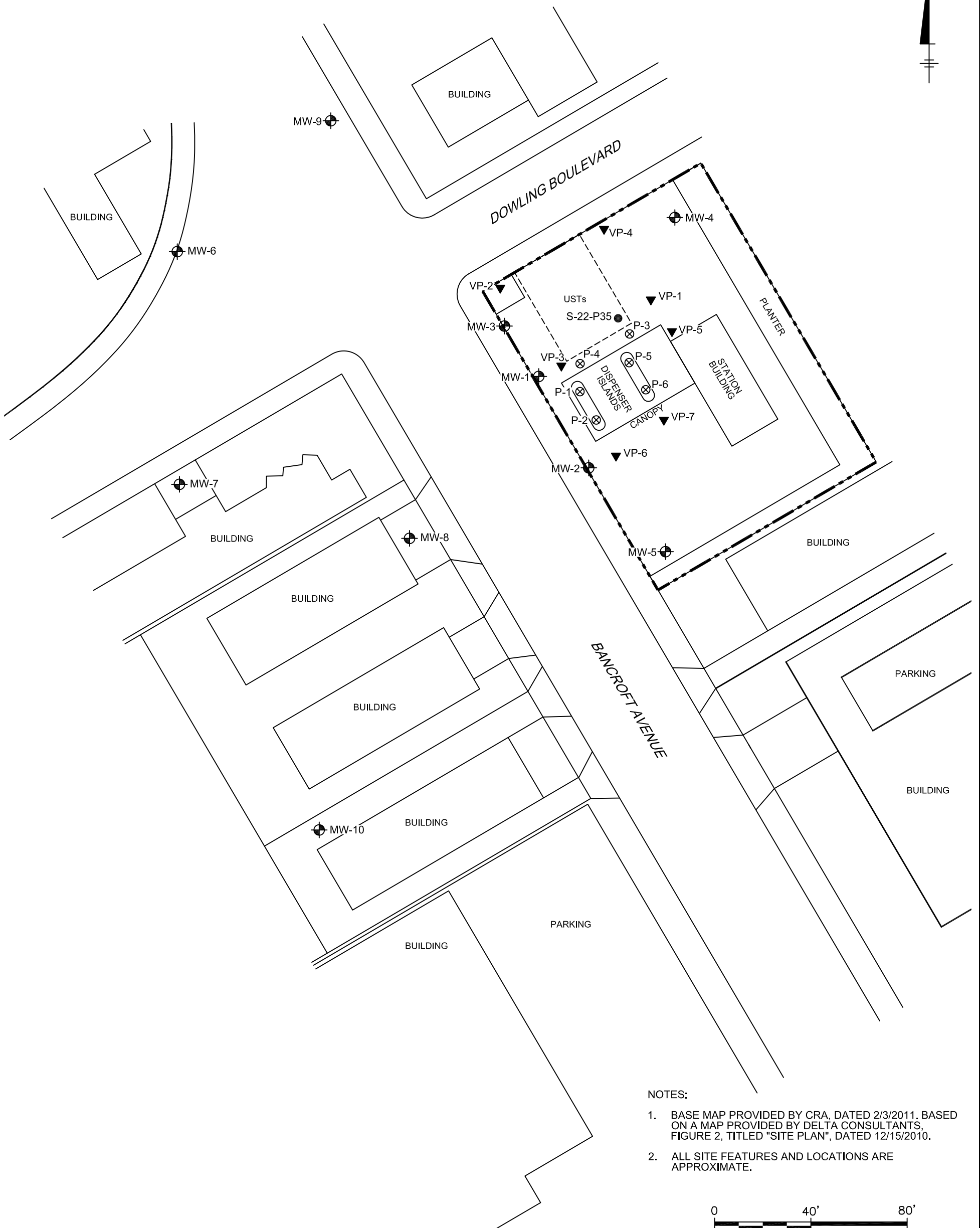
NOTES

1. Elevations are in feet above mean sea level. Depths are in feet below surveyed top-of-casing.
2. Groundwater elevations for wells with LPH are calculated as: $\text{Surface Elevation} - \text{Measured Depth to Water} + (\text{Dp} \times \text{LPH Thickness})$, where Dp is the density of the LPH, if known. A value of 0.75 is used for gasoline and when the density is not known. A value of 0.83 is used for diesel.
3. Wells with LPH are generally not sampled for laboratory analysis (see General Field Procedures).
4. Comments shown on tables are general. Additional explanations may be included in field notes and laboratory reports, both of which are included as part of this report.
5. A "J" flag indicates that a reported analytical result is an estimated concentration value between the method detection limit (MDL) and the practical quantification limit (PQL) specified by the laboratory.
6. Other laboratory flags (qualifiers) may have been reported. See the official laboratory report (attached) for a complete list of laboratory flags.
7. Concentration graphs based on tables (presented following Figures) show non-detect results prior to the Second Quarter 2000 plotted at fixed values for graphical display. Non-detect results reported since that time are plotted at reporting limits stated in the official laboratory report.
8. Prior to the 1st quarter 2010, the word "monitor" was used in table comments interchangeably with the word "gauge". Starting in the 1st quarter 2010, the word "monitor" is used to include both "gauge" and "sample".

REFERENCE

TRC began groundwater monitoring and sampling for 76 Station 5367 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan Inc.

Figures



NOTES:

1. BASE MAP PROVIDED BY CRA, DATED 2/3/2011. BASED ON A MAP PROVIDED BY DELTA CONSULTANTS, FIGURE 2, TITLED "SITE PLAN", DATED 12/15/2010.
2. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.



LEGEND

- PROPERTY BOUNDARY
- MW-1 MONITORING WELL
- S-22-P35 TANK PIT SAMPLE LOCATION
- P-1 PRODUCT LINE SAMPLE LOCATION
- VP-1 VAPOR POINT

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 76 SERVICE STATION 35-1563
 500 BANCROFT AVENUE
 SAN LEANDRO, CALIFORNIA

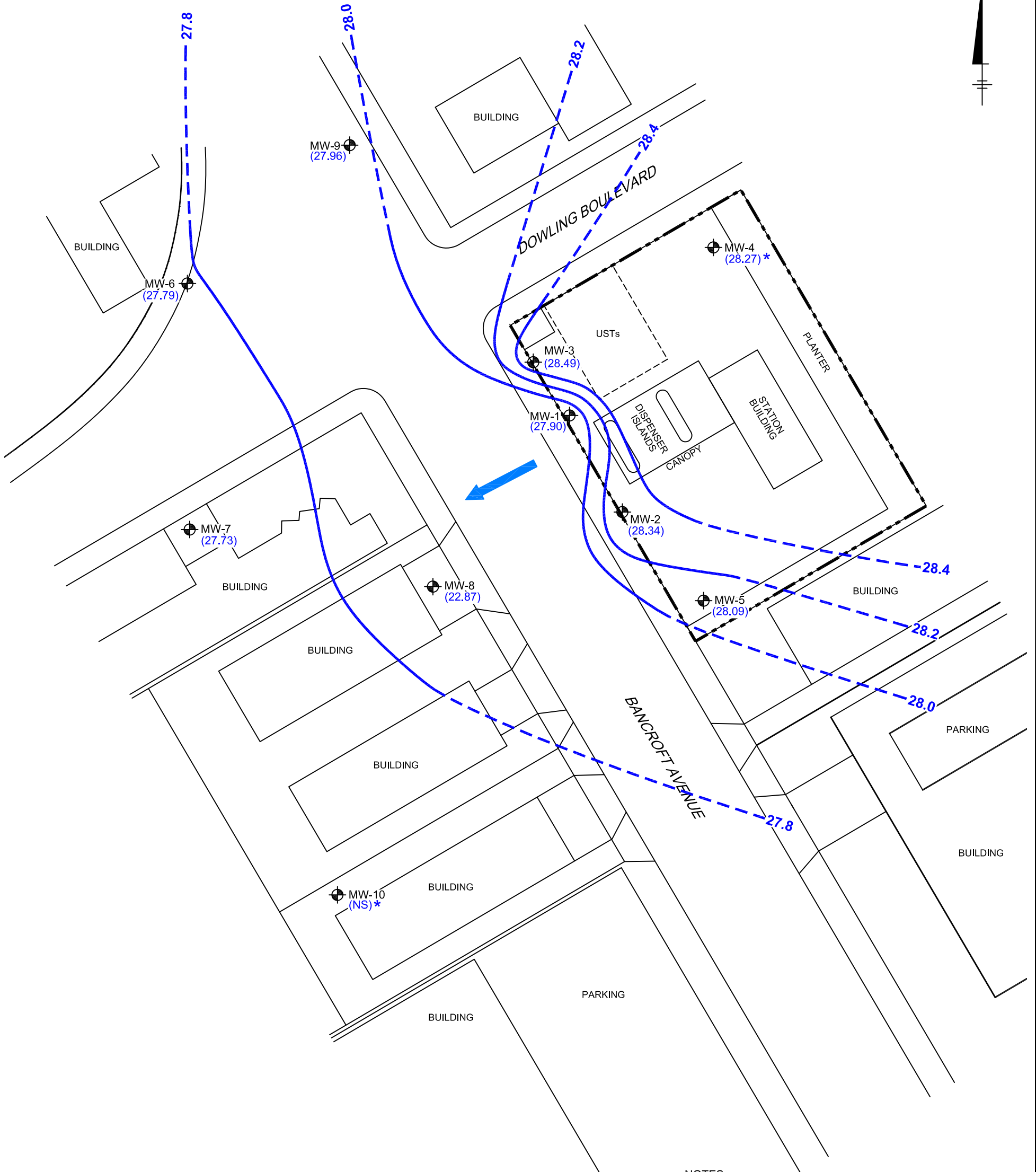
SITE PLAN



FIGURE

2

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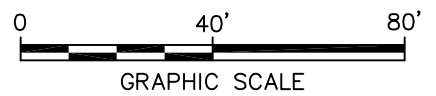


NOTES:

1. BASE MAP PROVIDED BY CRA, DATED 2/3/2011, BASED ON A MAP PROVIDED BY DELTA CONSULTANTS, FIGURE 2, TITLED "SITE PLAN", DATED 12/15/2010.
2. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

LEGEND

- PROPERTY BOUNDARY
- MONITORING WELL
- (27.90) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (FT AMSL)
- 27.8 - - - GROUNDWATER ELEVATION CONTOUR IN FT AMSL (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION AND HYDRAULIC GRADIENT OF 0.005 FOOT PER FOOT
- (NS) NOT SAMPLED
- * NOT USED IN CONTOURING



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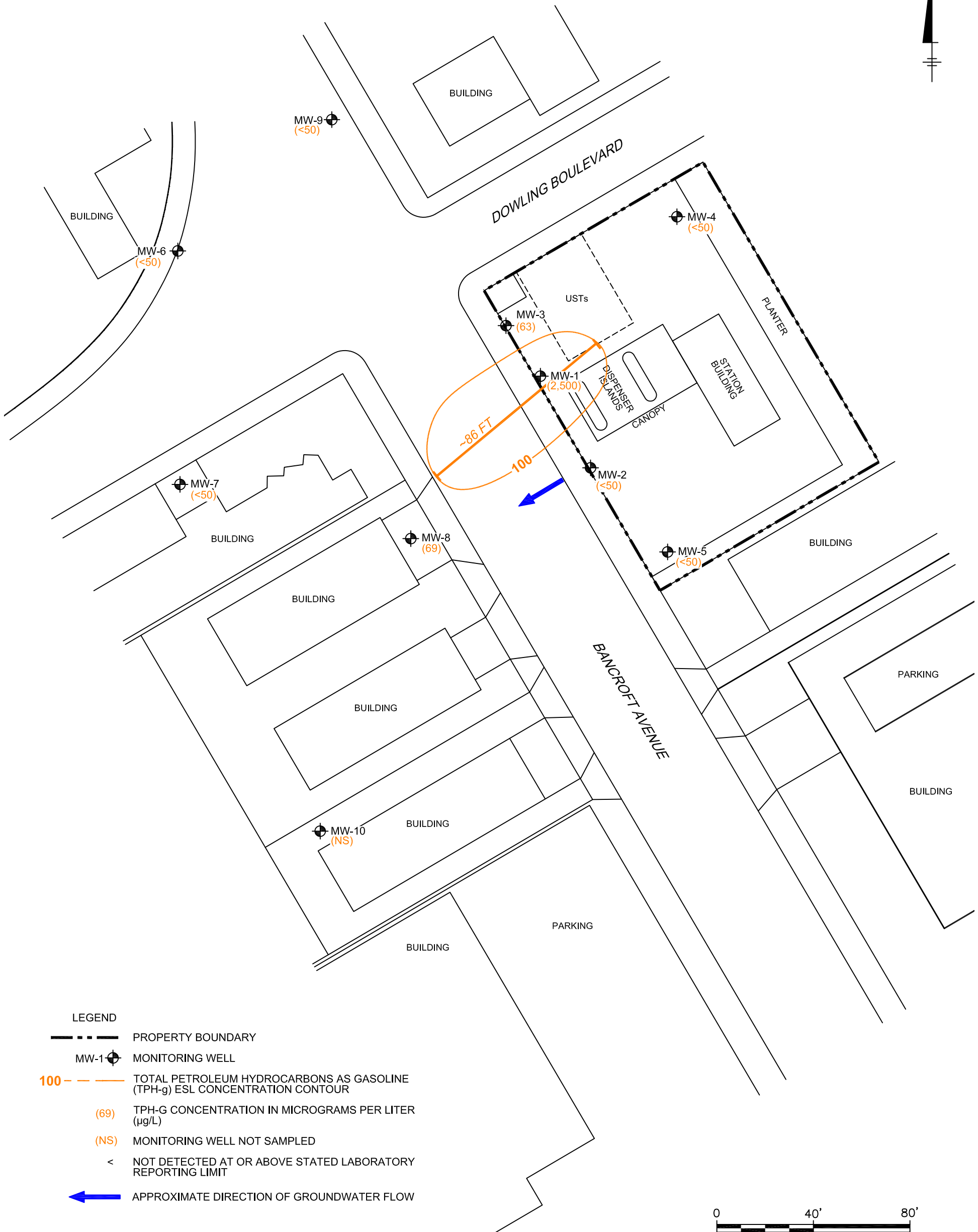
**GROUNDWATER ELEVATION
 CONTOUR MAP
 AUGUST 16, 2012**



FIGURE

3

XREFS: IMAGES: PROJECTNAME: ---
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- LEGEND**
- PROPERTY BOUNDARY
 - MW-1 MONITORING WELL
 - 100 — — — TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (TPH-g) ESL CONCENTRATION CONTOUR
 - (69) TPH-G CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
 - (NS) MONITORING WELL NOT SAMPLED
 - < NOT DETECTED AT OR ABOVE STATED LABORATORY REPORTING LIMIT
 - APPROXIMATE DIRECTION OF GROUNDWATER FLOW

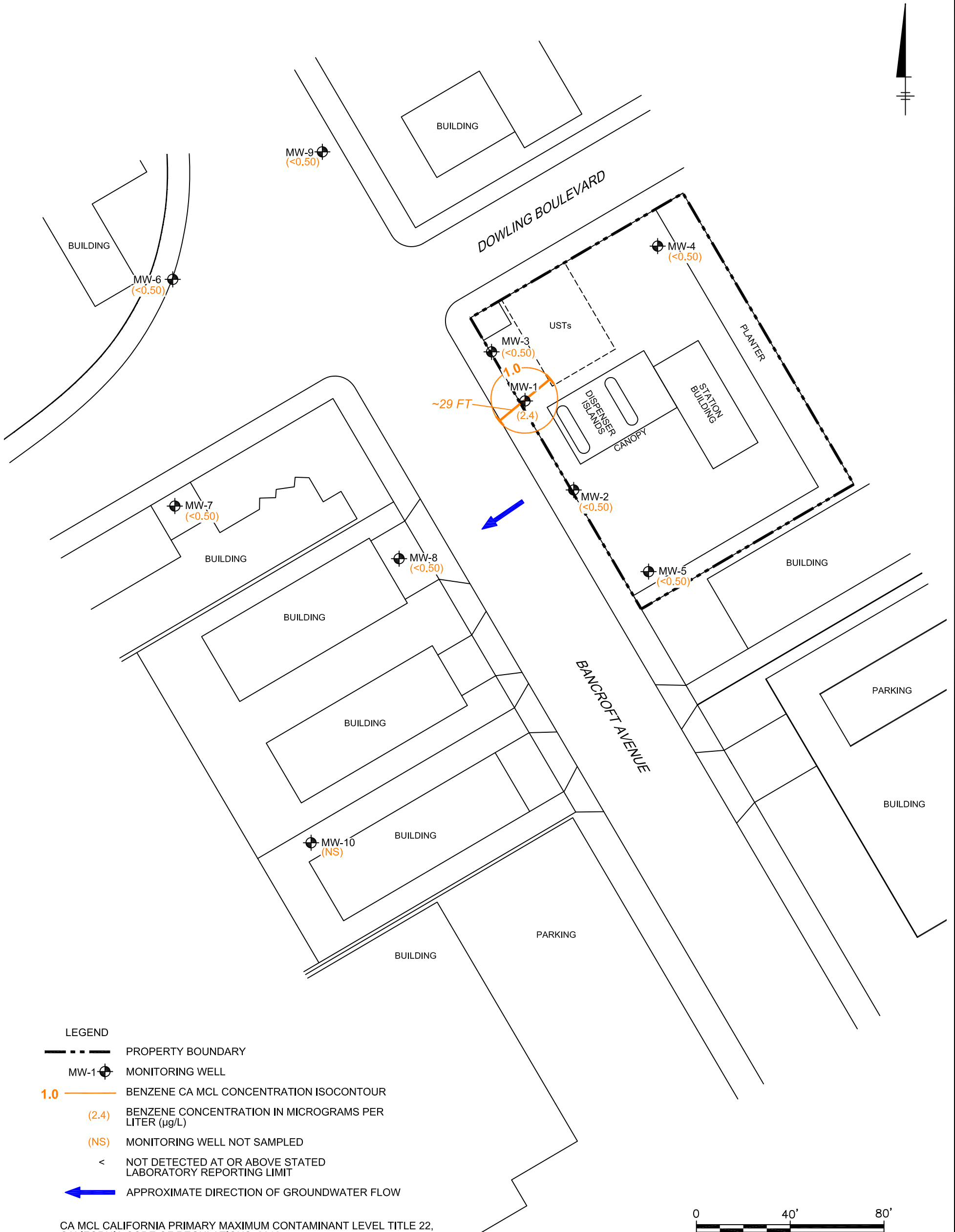


ESL ENVIRONMENTAL SCREENING LEVEL WHERE GROUNDWATER IS A CURRENT OR POTENTIAL SOURCE OF DRINKING WATER. TABLE F-1A, FINAL GROUNDWATER SCREENING LEVEL, SAN FRANCISCO REGION - REGIONAL WATER QUALITY CONTROL BOARD (SFR-RWQCB), 2008.

- NOTES:**
1. BASE MAP PROVIDED BY CRA, DATED 2/3/2011. BASED ON A MAP PROVIDED BY DELTA CONSULTANTS, FIGURE 2, TITLED "SITE PLAN", DATED 12/15/2010.
 2. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

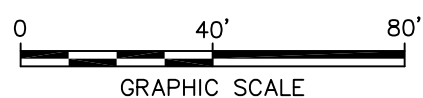
UNION OIL COMPANY OF CALIFORNIA 76 SERVICE STATION 35-1563 500 BANCROFT AVENUE SAN LEANDRO, CALIFORNIA	
TPH-G ISOCONCENTRATION CONTOUR MAP AUGUST 16, 2012	
	FIGURE 4

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- LEGEND**
- PROPERTY BOUNDARY
 - MONITORING WELL
 - 1.0 BENZENE CA MCL CONCENTRATION ISOCONTOUR
 - (2.4) BENZENE CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
 - (NS) MONITORING WELL NOT SAMPLED
 - < NOT DETECTED AT OR ABOVE STATED LABORATORY REPORTING LIMIT
 - APPROXIMATE DIRECTION OF GROUNDWATER FLOW

CA MCL CALIFORNIA PRIMARY MAXIMUM CONTAMINANT LEVEL TITLE 22, CALIFORNIA CODE OF REGULATIONS, 2012.

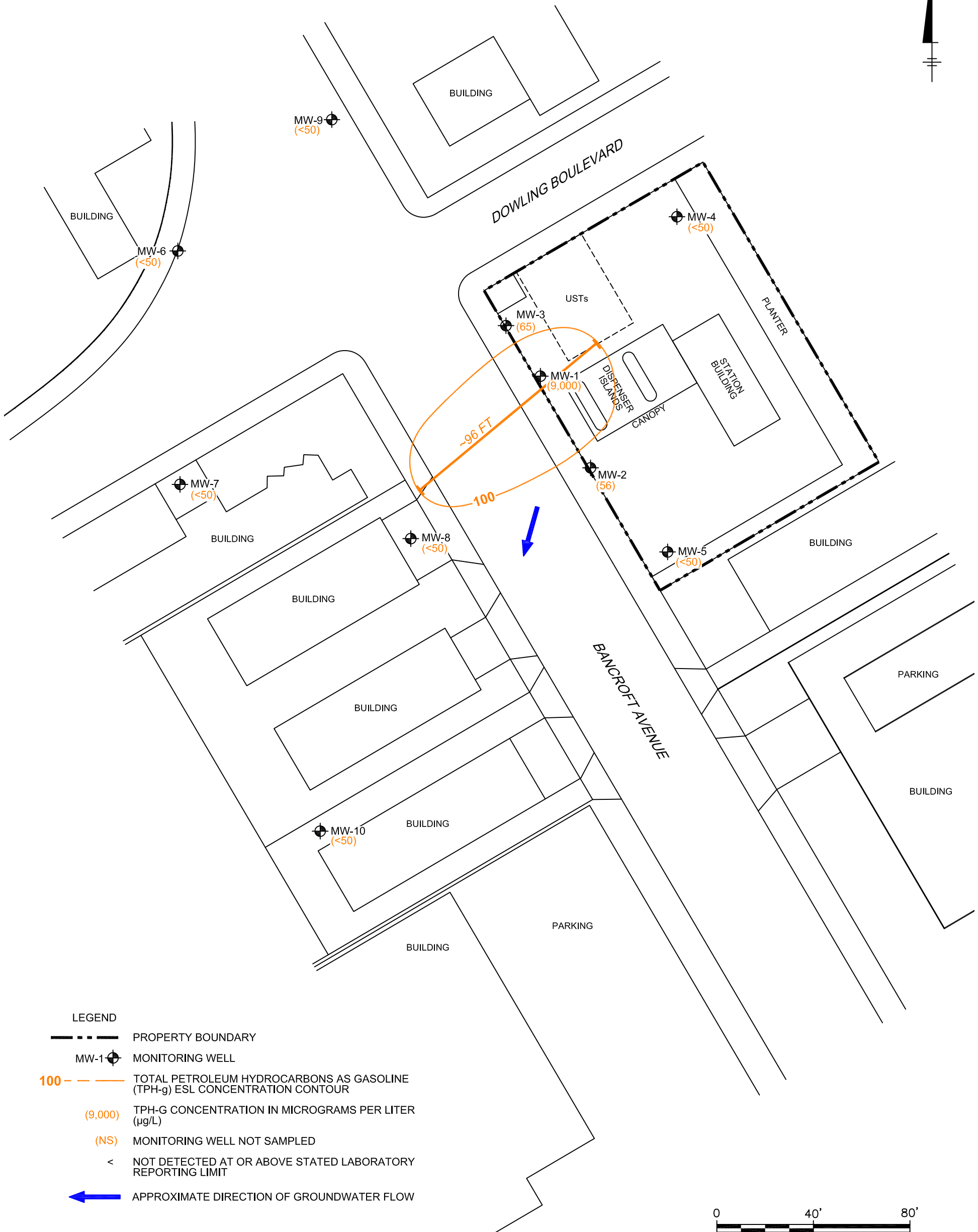


NOTES:

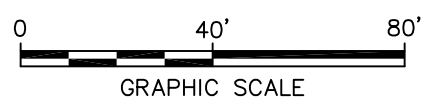
1. BASE MAP PROVIDED BY CRA, DATED 2/3/2011. BASED ON A MAP PROVIDED BY DELTA CONSULTANTS, FIGURE 2, TITLED "SITE PLAN", DATED 12/15/2010.
2. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

UNION OIL COMPANY OF CALIFORNIA 76 SERVICE STATION 35-1563 500 BANCROFT AVENUE SAN LEANDRO, CALIFORNIA	
BENZENE ISOCONCENTRATION CONTOUR MAP AUGUST 16, 2012	
	FIGURE 5

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- LEGEND**
- PROPERTY BOUNDARY
 - MW-1 MONITORING WELL
 - 100 — — — TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (TPH-g) ESL CONCENTRATION CONTOUR
 - (9,000) TPH-G CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
 - (NS) MONITORING WELL NOT SAMPLED
 - < NOT DETECTED AT OR ABOVE STATED LABORATORY REPORTING LIMIT
 - APPROXIMATE DIRECTION OF GROUNDWATER FLOW

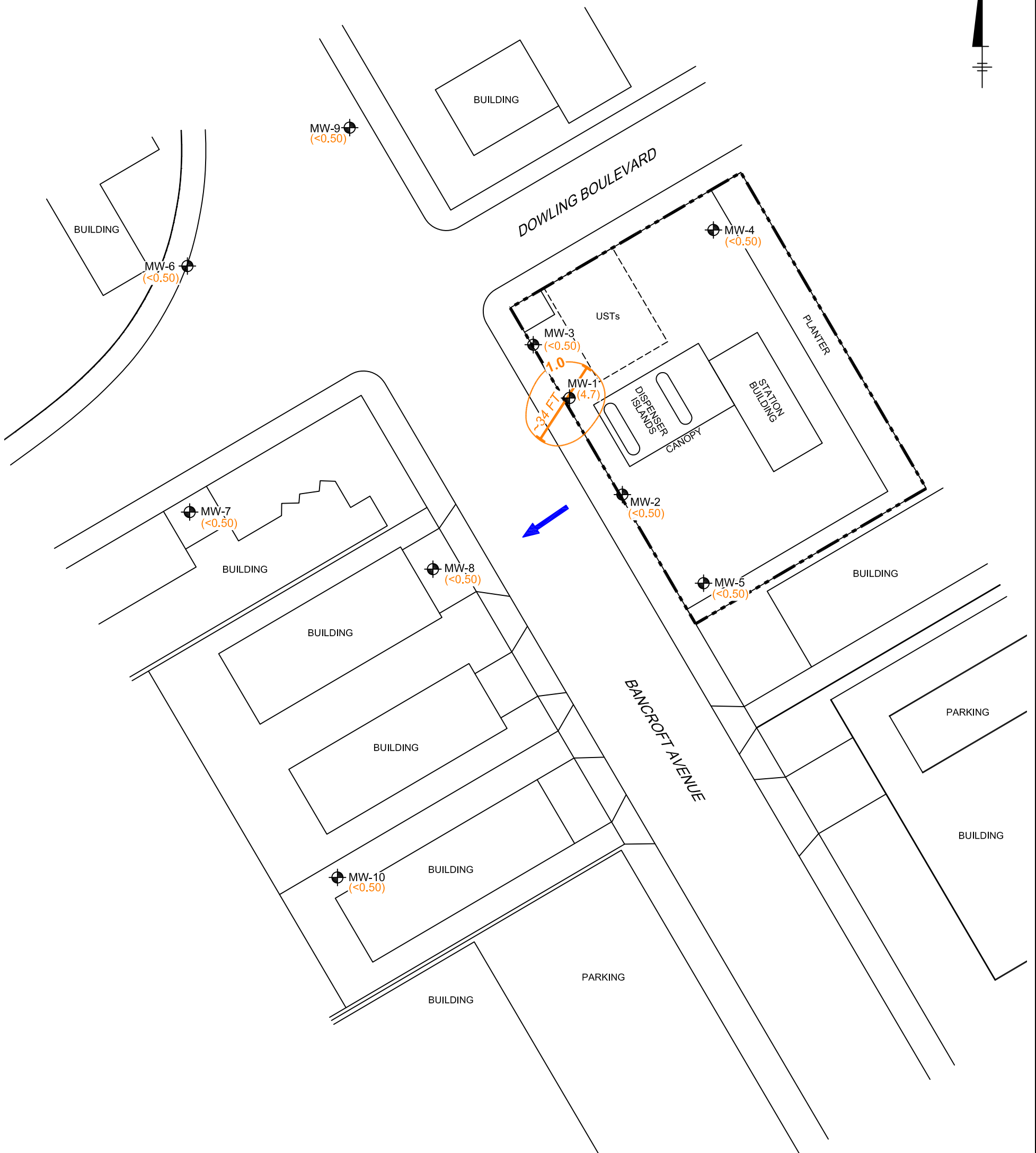


ESL ENVIRONMENTAL SCREENING LEVEL WHERE GROUNDWATER IS A CURRENT OR POTENTIAL SOURCE OF DRINKING WATER. TABLE F-1A, FINAL GROUNDWATER SCREENING LEVEL, SAN FRANCISCO REGION - REGIONAL WATER QUALITY CONTROL BOARD (SFR-RWQCB), 2008.

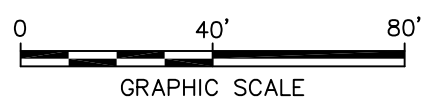
- NOTES:**
1. BASE MAP PROVIDED BY CRA, DATED 2/3/2011. BASED ON A MAP PROVIDED BY DELTA CONSULTANTS, FIGURE 2, TITLED "SITE PLAN", DATED 12/15/2010.
 2. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

UNION OIL COMPANY OF CALIFORNIA 76 SERVICE STATION 35-1563 500 BANCROFT AVENUE SAN LEANDRO, CALIFORNIA	
TPH-G ISOCONCENTRATION CONTOUR MAP SEPTEMBER 8, 2006	
	FIGURE 6

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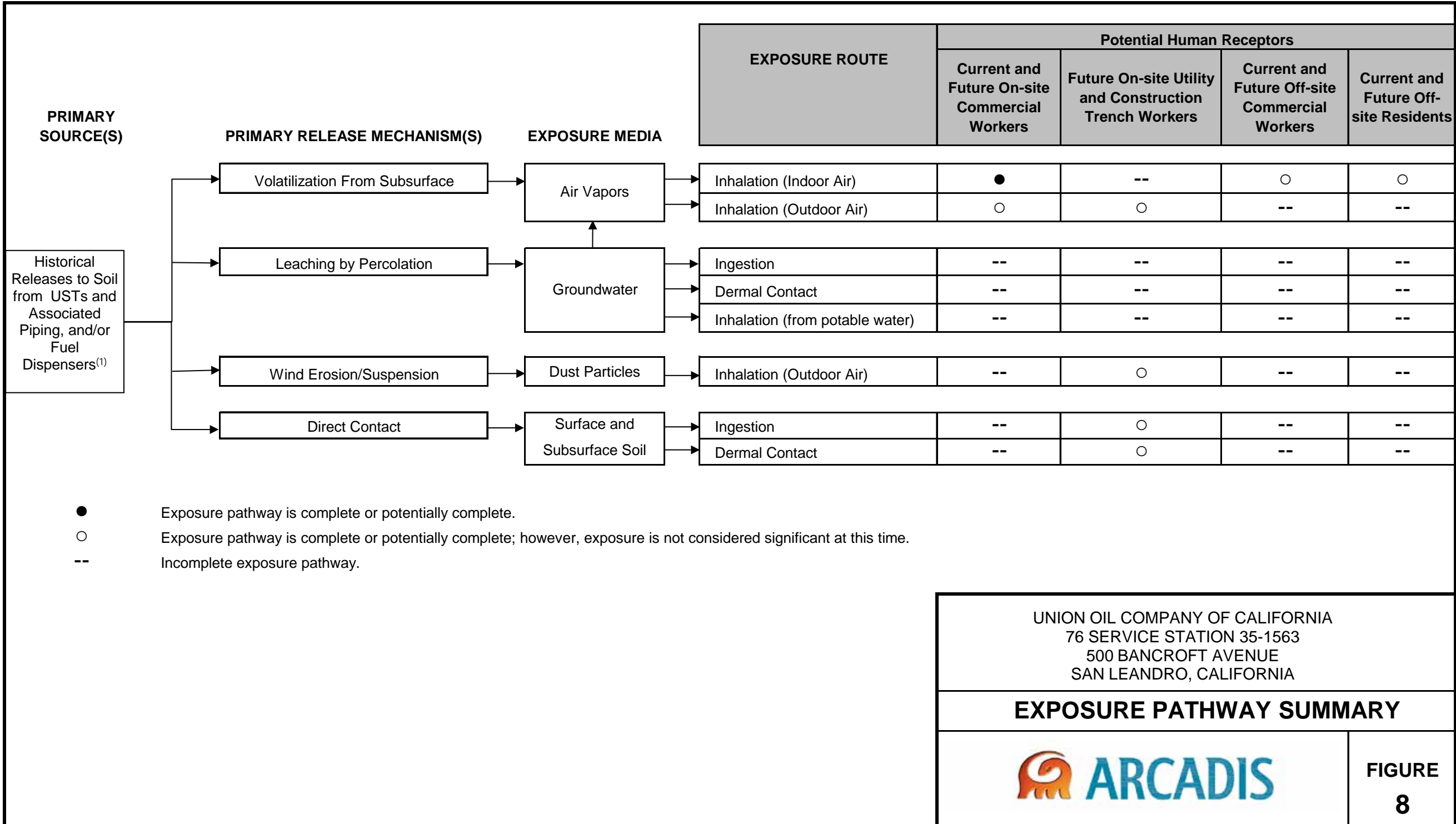
- LEGEND**
- PROPERTY BOUNDARY
 - MONITORING WELL
 - 1.0 BENZENE CA MCL CONCENTRATION ISOCONTOUR
 - (4.7) BENZENE CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
 - < NOT DETECTED AT OR ABOVE STATED LABORATORY REPORTING LIMIT
 - APPROXIMATE DIRECTION OF GROUNDWATER FLOW



CA MCL CALIFORNIA PRIMARY MAXIMUM CONTAMINANT LEVEL TITLE 22, CALIFORNIA CODE OF REGULATIONS, 2012.

- NOTES:**
1. BASE MAP PROVIDED BY CRA, DATED 2/3/2011. BASED ON A MAP PROVIDED BY DELTA CONSULTANTS, FIGURE 2, TITLED "SITE PLAN", DATED 12/15/2010.
 2. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

UNION OIL COMPANY OF CALIFORNIA 76 SERVICE STATION 35-1563 500 BANCROFT AVENUE SAN LEANDRO, CALIFORNIA	
BENZENE ISOCONCENTRATION CONTOUR MAP SEPTEMBER 8, 2006	
	FIGURE 7





Appendix A

Low-Threat Closure Checklist

Site Name:
Site Address:

Site meets the criteria of the Low-Threat Underground Storage Tank (UST) Case Closure Policy as described below.¹

<p><u>General Criteria</u> General criteria that must be satisfied by all candidate sites:</p> <p>Is the unauthorized release located within the service area of a public water system?</p> <p>Does the unauthorized release consist only of petroleum?</p> <p>Has the unauthorized (“primary”) release from the UST system been stopped?</p> <p>Has free product been removed to the maximum extent practicable?</p> <p>Has a conceptual site model that assesses the nature, extent, and mobility of the release been developed?</p> <p>Has secondary source been removed to the extent practicable?</p> <p>Has soil or groundwater been tested for MTBE and results reported in accordance with Health and Safety Code Section 25296.15?</p> <p>Does nuisance as defined by Water Code section 13050 exist at the site?</p> <p>Are there unique site attributes or site-specific conditions that demonstrably increase the risk associated with residual petroleum constituents?</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p><u>Media-Specific Criteria</u> Candidate sites must satisfy all three of these media-specific criteria:</p> <p>1. Groundwater: To satisfy the media-specific criteria for groundwater, the contaminant plume that exceeds water quality objectives must be stable or decreasing in areal extent, and meet all of the additional characteristics of one of the five classes of sites:</p> <p>Is the contaminant plume that exceeds water quality objectives stable or decreasing in areal extent?</p> <p>Does the contaminant plume that exceeds water quality objectives meet all of the additional characteristics of one of the five classes of sites?</p> <p>If YES, check applicable class: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA</p>

¹ Refer to the Low-Threat Underground Storage Tank Case Closure Policy for closure criteria for low-threat petroleum UST sites.

Site Name:
 Site Address:

<p>For sites with releases that have not affected groundwater, do mobile constituents (leachate, vapors, or light non-aqueous phase liquids) contain sufficient mobile constituents to cause groundwater to exceed the groundwater criteria?</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA</p>
<p>2. Petroleum Vapor Intrusion to Indoor Air: The site is considered low-threat for vapor intrusion to indoor air if site-specific conditions satisfy all of the characteristics of one of the three classes of sites (a through c) or if the exception for active commercial fueling facilities applies.</p> <p>Is the site an active commercial petroleum fueling facility? Exception: Satisfaction of the media-specific criteria for petroleum vapor intrusion to indoor air is not required at active commercial petroleum fueling facilities, except in cases where release characteristics can be reasonably believed to pose an unacceptable health risk.</p> <p>a. Do site-specific conditions at the release site satisfy all of the applicable characteristics and criteria of scenarios 1 through 3 or all of the applicable characteristics and criteria of scenario 4? If YES, check applicable scenarios: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4</p> <p>b. Has a site-specific risk assessment for the vapor intrusion pathway been conducted and demonstrates that human health is protected to the satisfaction of the regulatory agency?</p> <p>c. As a result of controlling exposure through the use of mitigation measures or through the use of institutional or engineering controls, has the regulatory agency determined that petroleum vapors migrating from soil or groundwater will have no significant risk of adversely affecting human health?</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA</p>
<p>3. Direct Contact and Outdoor Air Exposure: The site is considered low-threat for direct contact and outdoor air exposure if site-specific conditions satisfy one of the three classes of sites (a through c).</p> <p>a. Are maximum concentrations of petroleum constituents in soil less than or equal to those listed in Table 1 for the specified depth below ground surface (bgs)?</p> <p>b. Are maximum concentrations of petroleum constituents in soil less than levels that a site specific risk assessment demonstrates will have no significant risk of adversely affecting human health?</p> <p>c. As a result of controlling exposure through the use of mitigation measures or through the use of institutional or engineering controls, has the regulatory agency determined that the concentrations of petroleum constituents in soil will have no significant risk of adversely affecting human health?</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA</p>



Appendix B

Boring Logs/Well Construction
Diagrams

DEPTH IN FEET	Blows/ Ft.	Sample No.	USCS	DESCRIPTION	WELL CONST.
0				Concrete (6 inches).	
2			CH	Clay, black with fragments of red brick, no product odor.	
4	27	S-5	CL	Silty clay, some silt, brown, damp, medium to high plasticity, stiff, no product odor.	
6					
8					
10	22	S-10		With trace of fine-grained gravel.	
12					
14	10	S-15	ML	Clayey silt, some clay, brown, very moist, low plasticity, stiff, no product odor.	
16					
18					
20	11	S-20	CL	Silty clay with trace of coarse-grained sand, brown-green, wet, medium plasticity, stiff, strong product odor.	
22					
24					
26	47	S-25		Some silt, brown with green mottling, moist, hard.	
28					
30					

(Section continues downward)



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LOG OF BORING B-1/MW-1 PLATE

UNOCAL Station No. 5367
500 Bancroft Avenue
San Leandro, California

P-4

PROJECT NO. 87091-1

DEPTH IN FEET	Blows/ Ft.	Sample No.	USCS	DESCRIPTION	WELL CONST.	
	30	25	S-30	CL	Silty clay, some silt, brown with green mottling, moist, medium plasticity, very stiff, strong product odor.	[Well Construction Diagram]
32						
34	28	S-35				
36	Total Depth = 36 feet. Boring terminated at sufficient depth to evaluate contamination above and below water table.					
38						
40						

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	UNOCAL Station No. 5367 500 Bancroft Avenue San Leandro, California	
PROJECT NO. 87091-1	P-5	

DEPTH IN FEET	Blows/ Ft.	Sample No.	USCS	DESCRIPTION	WELL CONST.
0				Asphalt over sandy gravel.	
2			CL	Silty clay, dark brown-black, damp, medium plasticity.	
4			CL	Sandy clay, brown, damp, medium plasticity, hard.	
6	42	S-6		Some fine-grained gravel, OVM = 0ppm.	
10	16	S-10.5		Low plasticity, OVM = 0ppm.	
16	27	S-16	SP	Sand, fine- to coarse-grained and fine-grained gravel, brown, moist, medium dense, OVM = 0ppm.	
18			ML	Clayey silt, brown, moist, low plasticity, very stiff.	
22	27	S-21	CH	Silty clay, gray-green, moist, medium to high plasticity, very stiff, OVM = 0ppm.	
26	44			No sample recovered.	
28			CL	Silty clay, gray-green, moist, low to medium plasticity, very stiff.	
30				(Section continues downward)	



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LOG OF BORING B-2/MW-2
 UNOCAL Station No. 5367
 500 Bancroft Avenue
 San Leandro, California

PLATE
P - 4

PROJECT NO. 87091-3

DEPTH IN FEET	Blows/ Ft.	Sample No.	USCS	DESCRIPTION	WELL CONST.
	30	34	S-30.5	CL	Silty clay, gray-green, moist, low to medium plasticity, very stiff, OVM = 280ppm.
32					
34					
36	45	S-35.5		Green-brown, very moist, OVM = 3ppm.	
38					
40	36	S-40.5		Sandy clay, trace fine-grained gravel, brown, wet, low plasticity, OVM = 0ppm.	
42					
44					
46	33	S-45.5		OVM = 0ppm.	
48					
50				Total Depth = 48 feet.	



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LOG OF BORING B-2/MW-2

UNOCAL Station No. 5367

500 Bancroft Avenue

San Leandro, California

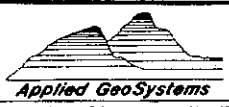
PLATE

P - 5

PROJECT NO. 87091-3

Blows/ Ft.	Sample No.	USCS	DESCRIPTION	WELL CONST.
0			Concrete.	
		ML	Clayey silt, dark gray, slightly damp.	
2		CL	Silty clay, trace of fine-grained sand, brown, damp, low plasticity, very stiff.	
4				
6	28	S-6	Lenses of fine-grained silty sand, OVM = 0ppm.	
8				
10	16	S-11	Sand, coarse-grained and fine-grained gravel, moist, medium dense, OVM = 0ppm.	
12		ML	Clayey silt, trace fine-grained gravel, green-brown, moist, low plasticity, stiff.	
14				
16	13	S-16	OVM = 0ppm.	
18				
20	18	S-21	Silty clay, some fine-grained sand, green, moist, medium plasticity, stiff. OVM = 5ppm.	
22				
24				
26	48	S-26	Brown, low plasticity, OVM = 55ppm.	
28				
30		CL	Silty clay, brown, low plasticity.	

(Section continues downward)



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LOG OF BORING B-3/MW-3
 UNOCAL Station No. 5367
 500 Bancroft Avenue
 San Leandro, California

PLATE
P - 6

PROJECT NO. **87091-3**

DEPTH IN FEET	Blows/ Ft.	Sample No.	USCS	DESCRIPTION	WELL CONST.
30	25	S-30.5	CL	Silty clay, brown, low plasticity, OVM = 20ppm.	
32					
34					
36	33	S-36		Trace of gravel, OVM = 365ppm.	
38					
40	17	S-40	▼ =	Wet, OVM = .10ppm.	
42					
44			ML	Clayey silt, some fine-grained sand, gray-brown, moist, low plasticity, stiff.	
46	27	S-46		OVM = 160ppm.	
48					
50				Total Depth = 48 feet.	




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LOG OF BORING B-3/MW-3
UNOCAL Station No. 5367
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San Leandro, California

PLATE
P - 7

PROJECT NO. **87091-3**

Blows/ Ft.	Sample No.	USCS	DESCRIPTION	WELL CONST.
0		MH	Clayey silt, dark brown, damp, high plasticity.	
2		CL	Sandy clay, light brown, dry, low plasticity, hard.	
4				
6	73		OVM = Oppm.	
8				
10	40		Brown-dark brown, moist, medium plasticity, OVM = Oppm.	
12				
14				
16	23	SM	Clayey sand, trace of fine-grained gravel, brown, medium dense, OVM = Oppm.	
18		CL	Silty clay, light brown, very moist, medium to high plasticity, very stiff.	
20	23		OVM = Oppm.	
22				
24				
26	43		Medium brown, hard, OVM = Oppm.	
28				
30				



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PROJECT NO. 87091-3

LOG OF BORING B-4/MW-4
 UNOCAL Station No. 5367
 500 Bancroft Avenue
 San Leandro, California

PLATE
P - 8

Blows/ Ft.	Sample No.	USCS	DESCRIPTION	WELL CONST.
30	28	S-30.5		
32		SM	Silty sand, some fine-grained gravel, gray-brown, medium dense.	
34		CL	Sandy clay, fine-grained, some gravel, light brown, very moist, low to medium plasticity, very stiff.	
36	23	S-36	OVM = 0ppm.	
38				
40	27	S-40	Trace fine-grained gravel, brown, wet, OVM = 0ppm.	
42				
44				
46	33	S-45.5	Some sand, light brown, wet, low plasticity, OVM = 0ppm.	
48	Total Depth = 48 feet.			
50				



Applied GeoSystems
41755 Mission Blvd. Suite B Fremont, CA 94539 415-651-1906

LOG OF BORING B-4/MW-4
UNOCAL Station No. 5367
500 Bancroft Avenue
San Leandro, California

PLATE
P - 9

PROJECT NO. **87091-3**

Total depth of boring: 46-1/2 feet Diameter of boring: 8 inches Date drilled: 5-15-89
 Casing diameter: 2 inches Length: 45 feet Slot size: 0.020-inch
 Screen diameter: 2 inches Length: 20 feet Material type: Sch 40 PVC
 Drilling Company: HEW Drilling, Inc. Driller: _____
 Method Used: Hollow-Stem Auger Field Geologist: James Orr

Depth	Sample No.	BLOWS	OVM	USCS Code	Description	Well Const.
0					Asphalt (6 inches).	
2				CL	Silty clay, dark brown, damp, medium plasticity, loose.	
4				CL	Sandy clay, brown, damp, low plasticity, very stiff, remnant root holes.	
6	S-6	6 14 16	1.0			
10						
12	S-11	4 7 5	1.0		Layers of sand and fine-grained gravel.	
16	S-16	2 3 5	1.0	SP	Fine-grained sand, light brown, moist, loose, remnant root holes.	
20				ML	Clayey silt, brown, moist, medium plasticity, stiff.	
20	S-16	2 4 5	1.2			


(Section continues downward)



PROJECT NO. 87091-4

LOG OF BORING B-5/MW-5
 Unocal Station No. 5367
 500 Bancroft Avenue
 San Leandro, California

PLATE
5

Depth	Sample No.	Blows	OVM	USCS Code	Description	Well Const.
22				ML	Clayey silt, brown, moist, medium plasticity, stiff.	
24				ML	Sandy silt, brown, moist, low plasticity, stiff.	
26	S-26	2 6 7	1.0			
28						
30	S-31	5 10 14	1.0	CL	Silty clay, light brown, damp, medium plasticity, very stiff.	
32						
34						
36	S-36	5 10 17	0.8		Layers of saturated fine-grained sand and damp silty clay.	
38						
40	S-41	9 14 19	0.8	SC	Clayey sand, trace gravel, brown, damp, medium plasticity, hard.	
42						
44						
46	S-48	7 7 12	0.8		Layers of saturated sand and damp sandy clay.	
48					Total Depth = 46-1/2 feet.	
50						



PROJECT NO. 87091-4

LOG OF BORING B-5/MW-5

Unocal Station No. 5367
500 Bancroft Avenue
San Leandro, California

PLATE

6

Total depth of boring: 46-1/2 feet Diameter of boring: 8 inches Date drilled: 5-15-89
 Casing diameter: 2 inches Length: 45 feet Slot size: 0.020-inch
 Screen diameter: 2 inches Length: 20 feet Material type: Sch 40 PVC
 Drilling Company: HEW Drilling, Inc. Driller: Anibal
 Method Used: Hollow-Stem Auger Field Geologist: James Orr

Depth	Sample No.	Blows	OVM	USCS Code	Description	Well Const.
0				CL	Silty clay, brown, damp, medium plasticity, very stiff, some organic material.	
2						
4						
6	S-6	5 9 12	1.2			
8						
10				SC	Clayey sand, brown-black, damp, loose.	
				SP	Gravelly sand, brown, damp, loose.	
12	S-11	6 2 3	0.0	CL	Silty clay, medium brown, moist, medium plasticity, medium stiff.	
				SP	Sand, brown, moist, medium plasticity, medium dense.	
14						
16	S-18	4 5 6	0.0			
18						
20	S-21	2 3 4	0.5	CL	Silty clay, brown, damp, medium plasticity, medium stiff, remnant root holes.	



PROJECT NO. 87091-4

LOG OF BORING B-6/MW-6
 Unocal Station No. 5367
 500 Bancroft Avenue
 San Leandro, California

PLATE
7

Depth	Sample No.	Blows	OVM	USCS Code	Description	Well Const.
-22				CL	Silty clay, brown, damp, medium plasticity, medium stiff, remnant root holes.	
-24						
-26	S-26	5 20 20	0.5			
-28				ML	Clayey silt, brown, damp, low plasticity, stiff, remnant root holes.	
-30						
-32	S-31	4 5 5	0.3			
-34				▼ =		
-36	S-35.5	6 11	0.3	SM	Silty sand, brown, wet, medium dense.	
-38						
-40						
-42	S-41	4 6 6	0.3	SC	Clayey sand, brown, damp, low plasticity, medium dense.	
-44						
-46	S-48	4 8 13	0.1			
-48					Total Depth = 46-1/2 feet.	
-50						



PROJECT NO. 87091-4

LOG OF BORING B-6/MW-6

Unocal Station No. 5367
500 Bancroft Avenue
San Leandro, California

PLATE

8

Total depth of boring: 44 feet Diameter of boring: 8 inches Date drilled: 2-7-90
 Casing diameter: 2 inches Length: 44 feet Slot size: 0.020-inch
 Screen diameter: 2 inches Length: 20 feet Material type: Sch 40 PVC
 Drilling Company: HEW Drilling, Inc. Driller: Tomas and Perfecto
 Method Used: Hollow-Stem Auger Field Geologist: Russell Bak

Depth	Sample No.	Blows	OVM	USCS Code	Description	Well Const.
0				CL	Silty clay, dark brown, damp, medium to high plasticity, very stiff. Layers of sand and fine-grained gravel.	
2						
6	S-5.5	8 14	0.2			
10	S-10.5	8 14	0.2		Sandy clay, trace gravel, brown, medium plasticity.	
16	S-16	3 10	0.2			
20	S-21	6 9 13	0			

(Section continues downward)



PROJECT NO. 87091-4

LOG OF BORING B-7/MW-7

Unocal Station No. 5367
 500 Bancroft Avenue
 San Leandro, California

PLATE

9

Depth	Sample No.	Blows	OVM	USCS Code	Description	Well Const.
22				CL	Sandy clay, trace gravel, brown, damp, medium plasticity, stiff to hard.	
24						
26	S-26	16 33 36	0		Increase in sand.	
28						
30		9 15 16	0		Trace sand.	
32		5 7 18	0			
34	S-33.5		0			
36	S-36	14 21 30	0		Some gray-green mottling.	
38		5 9 14	0			
40		18 34 55	0			
42	S-41		0			
44	S-43.5	20 44 45	0		Silty clay, trace sand and gravel.	
					Total Depth = 44 feet.	
46						
48						
50						



PROJECT NO. 87091-4

LOG OF BORING B-7/MW-7

Unocal Station No. 5367
500 Bancroft Avenue
San Leandro, California

PLATE

10

Total depth of boring: 44 feet Diameter of boring: 8 inches Date drilled: 2-6-90
 Casing diameter: 2 inches Length: 44 feet Slot size: 0.020-inch
 Screen diameter: 2 inches Length: 20 feet Material type: Sch 40 PVC
 Drilling Company: HEW Drilling, Inc. Driller: Tomas and Perfecto
 Method Used: Hollow-Stem Auger Field Geologist: Russell Bak

Depth	Sample No.	Blows	OVM	USCS Code	Description	Well Const.
0					Concrete (3 inches).	
2				CL	Silty clay, medium brown to tan, damp, medium plasticity, very stiff to hard.	
6	S-6	12 20 27	1.7		Layers of fine-grained sand and silt.	
12	S-11	10 13 20	0.8		Tan to brown, moist.	
16	S-16	5 19 13	1.1		Low plasticity.	
20	S-21	8 13 15	0.4			

(Section continues downward)



PROJECT NO. 87091-4

LOG OF BORING B-8/MW-8
 Unocal Station No. 5367
 500 Bancroft Avenue
 San Leandro, California

PLATE
 11

Depth	Sample No.	Blows	OVM	USCS Code	Description	Well Const.
-22				CL	Silty clay, tan to brown, moist, low plasticity, very stiff to hard.	
-24						
-26	S-26	8 28 32	1.1			
-28						
-30		8 13				
-32	S-31	18	6.3	ML	Silt, tan to brown, damp, low to medium plasticity, very dense, noticeable odor.	
-34						
-36	S-36	12 28 50	10.1	CL	Silty clay, trace rock fragments, brown, damp, medium plasticity, hard, trace mottling.	
-38		15 25				
-38.5	S-38.5	35	3.1	ML	Sandy silt, trace sand and gravel, brown, moist, low plasticity, hard, trace mottling.	
-40		20 25				
-42	S-41	38	1.3			
-42		9		GC	Clayey gravel, some sand, gray-brown, wet, dense.	
-44	S-43.5	11 20	3	CL	Sandy clay, trace gravel, brown, damp, low to medium plasticity, very stiff.	
-44					Total Depth = 44 feet.	
-46						
-48						
-50						



PROJECT NO. 87091-4

LOG OF BORING B-8/MW-8

Unocal Station No. 5367
500 Bancroft Avenue
San Leandro, California

PLATE

12

GeoResearch

FIELD LOG OF BORING

BORING/WELL I.D. MW9
SHEET 1 OF 2

PROJECT NAME UNOCAL SAN LEANDRO		PROJECT NUMBER 9480600100	ELEVATION AND DATUM NA	REFERENCE NA
DRILLING COMPANY BAYLAND DRILLING		DRILLER KURT VOSS	DATE & TIME STARTED 12/16/94 11:20 AM	DATE & TIME COMPLETED 12/16/94
DRILLING EQUIPMENT METHOD CME-75	DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> SLANT _____ DEG. FROM VERT		TOTAL DEPTH OF BORING 45 FT.	
SIZE AND TYPE OF BIT 8" HOLLOW STEM AUGER		TOTAL NO. OF SAMPLES 1	BULK	SS 1
DRILLING FLUID NONE		WATER LEVEL	FIRST	AFTER HOURS
SAMPLER TYPECAL MOD DRIVING WT. 130 DROP 30"		HYDROGEOLOGIST/DATE MICHAEL GUY 12/16/94		CHECKED BY/DATE

DEPTH (FEET)	WELL		OVA (PPM)	SAMPLES			GRAPH. LOG	SOIL CLASS (USCS)	DESCRIPTION OF MATERIALS	REMARKS
	CONST CSG	FILL		NO.	TYPE	BLOWS /6"				
0							AF CL	ASPHALT SILTY CLAY, moderate yellowish-brown, stiff, moist, low to medium plasticity, minor fine to coarse sand. Becomes low plasticity at 4.5 ft.		
5										
10										
15										
20										
25									Becomes clay between 23-25 ft. and	

GeoResearch

FIELD LOG OF BORING

BORING/WELL I.D. MW9
 SHEET 2 OF 2

PROJECT NAME UNOCAL SAN LEANDRO	PROJECT NUMBER 9480600100	HYDROGEOLOGIST MICHAEL GUY 12/16/94	CHECKED BY/DATE
------------------------------------	------------------------------	--	-----------------

DEPTH (FEET)	WELL CONST		OVA (PPM)	SAMPLES			GRAPH. LOG	SOIL CLASS (USCS)	DESCRIPTION OF MATERIALS	REMARKS
	CSG	FILL		NO.	TYPE	BLOWS /6"				
0			0					CL	SILTY CLAY, yellowish-brown, stiff, moist, low plasticity, minor to coarse sand.	
30						2 3 5		ML	SILT, moderate yellowish-brown, stiff, stiff	
35										
40										
45										Boring terminated at 4 ft.

FIELD LOG OF BORING

 BORING/WELL I.D. MW10

 SHEET 2 OF 2

PROJECT NAME UNOCAL SAN LEANDRO	PROJECT NUMBER 9480600100	HYDROGEOLOGIST MICHAEL GUY 4/6/95	CHECKED BY/DATE WARREN GROSS
------------------------------------	------------------------------	--------------------------------------	---------------------------------

DEPTH (FEET)	WELL CONST		OVA (PPM)	SAMPLES			GRAPH. LOG	SOIL CLASS (USCS)	DESCRIPTION OF MATERIALS	REMARKS
	CSG	FILL		NO.	TYPE	BLOWS /6"				
30 35 40 45							CL		Boring terminated 45 ft bgs.	



Appendix C

Historical Soil Results



Taken from AGS' Report on Supplemental Subsurface Environmental Investigation and First
Quarter 1990 Monitoring, dated August 10, 1990

TABLE 1
LABORATORY RESULTS OF SOIL SAMPLES FROM PHASE 1 INVESTIGATION
Unocal Station 5367
500 Bancroft Avenue
San Leandro, California
(September 1987)

Soil Sample	TVH	B	E	T	X
S-20-B1	20.04	<0.05	0.65	1.24	3.93
S-35-B1	587.3	22.12	9.72	0.5	167.1

Results in parts per million (ppm)

TVH: Total volatile hydrocarbons

<: less than the detection limit indicated

Sample designation: S-35-B1

┌───┐
├───┐
└───┘ Boring number
└───┘ Sample depth in feet
└───┘ Soil sample

TABLE 2
 LABORATORY RESULTS OF SOIL AND WATER SAMPLES
 FROM PHASE 3 INVESTIGATION
 Unocal Station 5367
 500 Bancroft Avenue
 San Leandro, California
 (September and October 1988)

Sample Number	TPHg	B	E	T	X
Soil					
S-10.5-B2	<2	<0.05	<0.05	<0.05	<0.05
S-30.5-B2	52	0.17	1.52	<0.05	5.11
S-26-B3	7	0.1	0.3	0.45	1.67
S-36-B3	3,692	8	65	129	394
S-11-B4	<2	<0.05	<0.05	<0.05	<0.05
S-30.5-B4	<2	<0.05	<0.05	<0.05	<0.05
Water					
W-37-MW2	1,760	47.8	20.9	0.74	81.6
W-37-MW3	61,000	1,060	1,520	3,380	8,720
W-37-MW4	<0.5	<0.5	<0.5	<0.5	<20

Soil results in parts per million (ppm)

Water results in parts per million (ppb)

TPHg: Total petroleum hydrocarbons as gasoline

<: less than the detection limit indicated

Sample designation: S-37-MW3

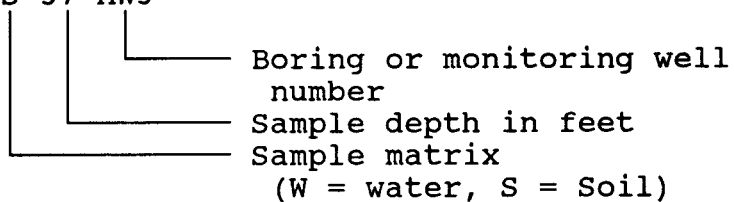


TABLE 5
 LABORATORY RESULTS OF SOIL SAMPLES
 500 Bancroft Avenue
 Unocal Station 5367
 San Leandro, California
 (May 1989 and February 1990)

Soil Sample	TPHg	B	E	T	X
S-11-B5	<2	<0.05	<0.05	<0.05	<0.05
S-31-B5	<2	<0.05	<0.05	<0.05	<0.05
S-21-B6	<2	<0.05	<0.05	<0.05	<0.05
S-31-B6	<2	<0.05	<0.05	<0.05	<0.05
S-26-B7	<2	0.092	<0.05	<0.05	<0.05
S-36-B7	<2	<0.05	<0.05	<0.05	<0.05
S-26-B8	<2	0.098	<0.05	<0.05	<0.05
S-31-B8	90	<0.05	0.83	<0.05	3.9
S-38.5-B8	<2	<0.05	<0.05	<0.05	<0.05

Results in parts per million (ppm)

TPHg: Total petroleum hydrocarbons as gasoline

BETX: Benzene, Ethylbenzene, Toluene, and Xylenes

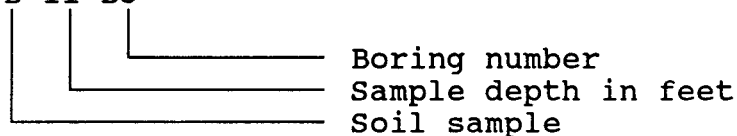
<: less than

Boring samples from B5 and B6 collected May 1989.

Boring samples from B7 and B8 collected February 1990.

Sample designation:

B-11-B5





Taken from PEG's Product Piping Removal Activities Report, dated December 2, 1998

Table 1
Soil Analytical Data

76 Service Station 5367
500 Bancroft Avenue at Dowling Boulevard
San Leandro, California

Sample ID	Sample Depth (feet)	Date Sampled	TPPH as Gasoline (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-Benzene (ppm)	Total Xylenes (ppm)	TEPH as Diesel (ppm)	MIBE (ppm)	TTLIC Lead (ppm)
In-Situ Soil Samples:										
P-1	3	10/26/98	ND	ND	ND	ND	ND	3.1 ⁽¹⁾	ND	10
P-2	4	10/26/98	ND	ND	ND	ND	ND	ND	ND	10
P-3	5-1/2	10/26/98	ND	ND	ND	ND	ND	1.8 ⁽¹⁾	ND	8.8
P-4	5	10/26/98	ND	ND	ND	ND	ND	1.0 ⁽¹⁾	ND	8.6
P-5	4-1/2	10/26/98	ND	ND	ND	ND	ND	ND	ND	6.8
P-6	4	10/26/98	ND	ND	ND	ND	ND	ND	ND	9.2
Stockpiled Soil Samples:										
SP(1-4)	NA	10/26/98	ND	ND	ND	ND	0.040	ND	ND	11
TPPH = Total purgeable petroleum hydrocarbons MIBE = Methyl tert-butyl ether TEPH = Total extractable petroleum hydrocarbons TTLIC = Total threshold limit concentration ppm = Parts per million ND = Not detected NA = Not applicable (1) = Atypical chromatograph pattern reported by analytical laboratory. Detection limits are indicated in certified analytical reports.										



Appendix D

Remedial System Operational
and Analytical Data



Taken from PEG's Remedial Action Performance Summary-January through March 1997, dated
May 15, 1997

Table 1
Groundwater Extraction System Performance Data

Unocal Service Station 5367
 500 Bancroft Avenue at Dowling
 San Leandro, California

Sample ID	Date Sampled	Volume Reading (gallons)	Average Flow Rate (gpm)	TPPH as Gasoline			Benzene		
				Influent Concentration (µg/L)	Removed This Period (lbs)	Removed To Date (lbs)	Influent Concentration (µg/L)	Removed This Period (lbs)	Removed To Date (lbs)
INFL	03/18/96 a	0	5.9	NS	N/A	0.0	NS	N/A	0.00
INFL	05/16/96 b	133,800	1.6	17,000 c	19.0	19.0	98 c	0.11	0.11
INFL	06/06/96	216,850	2.7	5,500	7.8	26.8	35	0.05	0.16
INFL	07/17/96	233,320	0.3	1,700	0.5	27.2	14	0.003	0.16
INFL	08/05/96	249,570	0.6	1,800	0.2	27.5	10	0.002	0.16
INFL	09/10/96	249,820	N/A	9,700	0.0	27.5	29	0.000	0.16
INFL	10/15/96	266,527	0.3	54,000	4.4	31.9	200	0.016	0.18
INFL	11/14/96 d	267,653	N/A	NS c	0.5	32.4	NS c	0.002	0.18
INFL	12/11/96 d	267,663	N/A	12,000	0.0	32.4	56	0.000	0.18
INFL	01/09/97	270,121 e	N/A	19,000	0.3	32.8	44	0.001	0.18
INFL	02/06/97	122,000 e	3.0	19,000	19.3	52.1	61	0.053	0.23
INFL	03/06/97	314,460	4.8	36,000	44.1	96.2	91	0.122	0.35
INFL	03/13/97 g	367,040	5.2	NS c	12.1	108.3	NS c	0.033	0.39

REPORTING PERIOD:	12/11/96 - 03/13/97 (g)
TOTAL DAYS OF OPERATION:	291
PERIOD DAYS OF OPERATION:	66
TOTAL GALLONS EXTRACTED:	637,151
PERIOD GALLONS EXTRACTED:	369,282
TOTAL POUNDS TPPH-GASOLINE REMOVED:	108.3
TOTAL GALLONS TPPH-GASOLINE REMOVED:	17.7
TOTAL POUNDS BENZENE REMOVED:	0.39
TOTAL GALLONS BENZENE REMOVED:	0.05
PERIOD POUNDS TPPH-GASOLINE REMOVED:	75.8
PERIOD POUNDS BENZENE REMOVED:	0.21
PERIOD AVERAGE FLOW RATE (gpm):	3.9

TPPH = Total purgeable petroleum hydrocarbons	a. GWE system start-up by PSI.
gpm = Gallons per minute	b. Project transferred to Pacific Environmental Group.
µg/L = Micrograms per liter	c. No analytical data available; assume steady-state concentrations.
lbs = Pounds	d. Pumps are on but not cycling any groundwater.
NS = Not sampled	e. Totalizer replaced 1/9/97 (starting at 00010 gals).
N/A = Not available or not applicable	f. Days of operation and average flow rate estimated.
	g. GWE and SVE systems deactivated on 3/13/97.

Mass removed is an approximation calculated using averaged concentrations.

Table 2
Groundwater Extraction System Analytical Data
 Total Petroleum Hydrocarbons
 (TPPH and BTEX Compounds)

Unocal Service Station 5367
 500 Bancroft Avenue at Dowling
 San Leandro, California

Date Sampled	TPPH (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)
Influent Samples					
05/16/96	17,000	98	92	1,300	3,900
06/06/96	5,500	35	17	200	780
07/17/96	1,700	14	<5.0	91	89
08/05/96	1,800	10	<5.0	160	410
09/10/96	9,700	29	<10	600	1,600
10/15/96	54,000	200	90	2,800	8,900
12/11/96	12,000	56	21	820	2,700
01/09/97	19,000	44	<20	1,200	2,700
02/06/97	19,000	61	10	1,200	2,700
03/06/97	36,000	91	1,300	1,600	7,800
Midpoint Samples					
05/16/96	<50	<0.50	<0.50	<0.50	<0.50
06/06/96	<50	<0.50	<0.50	<0.50	<0.50
07/17/96	<50	<0.50	<0.50	<0.50	<0.50
08/05/96	<50	<0.50	<0.50	<0.50	<0.50
09/10/96	<50	<0.50	<0.50	<0.50	0.60
10/15/96	<50	<0.50	<0.50	<0.50	0.60
11/14/96	<50	<0.50	<0.50	<0.50	<0.50
12/11/96	<50	<0.50	<0.50	<0.50	<0.50
01/09/97	<50	<0.50	<0.50	<0.50	<0.50
02/06/97	<50	<0.50	<0.50	<0.50	<0.50
03/06/97	<50	<0.50	<0.50	<0.50	<0.50
Effluent Samples					
05/16/96	<50	<0.50	<0.50	<0.50	<0.50
06/06/96	<50	<0.50	<0.50	<0.50	<0.50
07/17/96	<50	<0.50	<0.50	<0.50	<0.50
08/05/96	<50	<0.50	<0.50	<0.50	<0.50
09/10/96	<50	<0.50	<0.50	<0.50	<0.50
10/15/96	<50	<0.50	<0.50	<0.50	<0.50
11/14/96	<50	<0.50	<0.50	<0.50	<0.50
12/11/96	<50	<0.50	<0.50	<0.50	<0.50
01/09/97	<50	<0.50	<0.50	<0.50	<0.50
02/06/97	<50	<0.50	<0.50	<0.50	<0.50
03/06/97	<50	<0.50	<0.50	<0.50	<0.50
TPPH = Total purgeable petroleum hydrocarbons					
µg/L = Micrograms per liter					
a. Project transferred to Pacific Environmental Group, Inc. from PSI.					

Table 3
Soil Vapor Extraction System Performance Data

Unocal Service Station 5367
500 Bancroft Avenue at Dowling
San Leandro, California

Sample ID	Date Sampled	Hourmeter Reading (hours)	Net Hours of Operation (hours)	Flow Rate (scfm)	TPPH as Gasoline			Benzene		
					Influent Concentration (ppmv)	Removal Rate (lbs/day)	Removed to Date (lbs)	Influent Concentration (ppmv)	Removal Rate (lbs/day)	Removed to Date (lbs)
INFL	03/18/96 a	N/A b	0 b	250	25 c	2.4	0.0	N/A c	N/A	N/A
INFL	03/19/96	N/A b	24 b	240	22 c	2.0	2.2	N/A c	N/A	N/A
INFL	03/20/96	N/A b	24 b	260	12 c	1.2	3.8	N/A c	N/A	N/A
INFL	03/21/96	N/A b	24 b	250	4 c	0.4	4.6	N/A c	N/A	N/A
INFL	03/22/96	N/A b	24 b	240	20 c	1.8	5.7	N/A c	N/A	N/A
INFL	04/08/96	N/A b	408 b	270	14 c	1.4	33.4	N/A c	N/A	N/A
INFL	04/26/96	N/A b	432 b	240	10 c	0.9	54.5	N/A c	N/A	N/A
INFL	05/30/96 d	N/A b	0	110	2.4	0.1	54.5	ND	0.00	0.00
INFL	06/06/96	N/A b	168	120	3.3	0.2	55.4	ND	0.00	0.01
INFL	06/26/96	N/A b	480	120	ND	0.1	58.0	ND	0.00	0.03
INFL	07/17/96	N/A b	504	120	ND	0.1	60.3	ND	0.00	0.05
INFL	07/26/96	N/A b	216	110	11	0.5	62.8	ND	0.00	0.06
INFL	08/05/96	6,372.5 e	240	119	ND	0.1	65.7	ND	0.00	0.07
INFL	08/19/96	6,414.1	42	115	2.6	0.1	65.9	ND	0.00	0.07
INFL	09/10/96	6,939.4	525	123	7.3	0.3	70.9	0.040	0.00	0.10
INFL	09/26/96	7,321.0	382	78	33	1.0	81.4	0.10	0.00	0.13
INFL	10/15/96 f	7,777.0	456	90	15	0.5	95.7	0.072	0.00	0.18
INFL	10/28/96	8,090.4	313	78	61	1.8	111.1	0.25	0.01	0.23
INFL	11/14/96	8,497.4	407	270	52	5.3	171.8	0.22	0.02	0.44
INFL	11/27/96	8,552.4	55	100	4.0 g	0.2	178.1	ND g	0.00	0.46
INFL	12/11/96	8,890.8	338	64	ND	0.0	179.2	ND	0.00	0.46
INFL	12/20/96	9,102.0	211	64	ND	0.0	179.2	ND	0.00	0.46
INFL	01/09/97	9,582.1	480	35	ND	0.0	179.2	ND	0.00	0.46
INFL	01/22/97	9,744.6	163	45	ND	0.0	179.2	ND	0.00	0.46
INFL	02/06/97 h	10,092.2	348	45	ND	0.0	179.2	ND	0.00	0.46
INFL	03/06/97 j	10,093.7	2	155	ND	0.0	179.2	ND	0.00	0.46
INFL	03/13/97 k	10,263.0	169	142	NS	0.0	179.2	NS	0.00	0.46

REPORTING PERIOD: 12/20/96 - 03/17/97 (k)			
TOTAL POUNDS REMOVED:		179.2	0.46
TOTAL GALLONS REMOVED:		29.4	0.06
PERIOD POUNDS REMOVED:		0.0	0.00
PERIOD GALLONS REMOVED:		0.0	0.00
TOTAL DAYS OF OPERATION:	268 (b)		
PERIOD DAYS OF OPERATION:	48		
PERIOD PERCENT OPERATIONAL:	58%		

TPPH = Total purgeable petroleum hydrocarbons	c. TPPH concentrations taken using a flame-ionization detector; benzene concentrations not available.
scfm = Standard cubic feet per minute	d. PACIFIC became site consultant; prior data provided by former consultant.
ppmv = Parts per million by volume	e. Hourmeter installed 8/5/96 (initial reading: 6372.5 hours); system was running upon arrival.
lbs = Pounds	f. Assumed influent/effluent labels on samples were switched.
N/A = Not available or not applicable	g. 11/27/96 samples exceeded hold time (holiday); resampled 12/2/96.
ND = Not detected above the detection limit	h. SVE system turned off for pulsing.
a. System startup on March 18, 1996.	i. SVE system re-started for pulsing.
b. No hourmeter installed on system; assumed continuous operation to estimate mass removal.	k. SVE and GWE systems shut down 3/13/97.

Mass removed is an approximation calculated using averaged mass removal rates; removal rates are instantaneous.

Concentrations shown in ppmv are calculated from micrograms per liter (as reported by the laboratory).

See certified analytical reports for detection limits.

Table 4
Soil Vapor Extraction System Emission Data

Unocal Service Station 5367
500 Bancroft Avenue at Dowling
San Leandro, California

Sample I.D.	Date Sampled	Net Hours of Operation (hours)	Flow Rate (scfm)	TPPH as Gasoline			Benzene		
				Effluent Concentration (ppmv)	Destruction Efficiency (percent)	Emission Rate (lbs/day)	Effluent Concentration (ppmv)	Emission Rate (lbs/day)	
EFFL	03/18/96	a	0	250	ND	N/A	N/A	N/A	N/A
EFFL	03/19/96		24	240	ND	N/A	N/A	N/A	N/A
EFFL	03/20/96		24	260	ND	N/A	N/A	N/A	N/A
EFFL	03/21/96		24	250	ND	N/A	N/A	N/A	N/A
EFFL	03/22/96		24	240	ND	N/A	N/A	N/A	N/A
EFFL	04/08/96		408	270	ND	N/A	N/A	N/A	N/A
EFFL	04/26/96		432	240	ND	N/A	N/A	N/A	N/A
EFFL	05/30/96	b	0	110	ND	N/A	0.10	ND	0.001
EFFL	06/06/96		168	120	3.1	7.1	0.14	ND	0.001
EFFL	06/26/96		480	120	ND	N/A	0.11	ND	0.001
EFFL	07/17/96		504	120	ND	N/A	0.11	ND	0.001
EFFL	07/26/96		216	110	2.8	74.5	0.12	ND	0.001
EFFL	08/05/96		240	119	ND	N/A	0.11	ND	0.001
EFFL	08/19/96		42	115	ND	N/A	0.10	ND	0.001
EFFL	09/10/96		525	123	ND	N/A	0.11	ND	0.001
EFFL	09/26/96		382	78	ND	N/A	0.07	ND	0.001
EFFL	10/15/96	c	456	90	ND	N/A	0.08	ND	0.001
EFFL	10/28/96		313	78	ND	N/A	0.07	ND	0.001
EFFL	11/14/96		407	270	ND	N/A	0.24	ND	0.002
EFFL	11/27/96		55	100	ND	N/A	0.09	ND	0.001
EFFL	12/11/96		338	64	ND	N/A	0.06	ND	0.001
EFFL	12/20/96		211	64	ND	N/A	0.06	ND	0.001
EFFL	01/09/97		480	35	ND	N/A	0.03	ND	0.0003
EFFL	01/22/97		163	45	ND	N/A	0.04	ND	0.0004
EFFL	02/06/97		348	45	ND	N/A	0.04	ND	0.0004
EFFL	03/06/97	d	2	155	ND	N/A	0.14	ND	0.0014

TPPH = Total purgeable petroleum hydrocarbons
scfm = Standard cubic feet per minute
ppmv = Parts per million by volume, converted from micrograms per liter, as reported by the laboratory
lbs = Pounds
N/A = Not available or not applicable
ND = Not detected above the detection limit

a. System startup on March 18, 1996.
b. Pacific Environmental Group, Inc. becomes consultant to site; all prior data provided by former consultant.
c. Assumed influent/effluent labels on samples were switched.
d. SVE and GWE systems shut down 3/13/97.

Destruction efficiencies and emission rates for ND concentrations are calculated using the detection limit.
Concentrations shown in ppmv are calculated from micrograms per liter.
See certified analytical reports for detection limits.

Table 5
Soil Vapor Extraction System Analytical Data
Individual Wells

Unocal Service Station 5367
500 Bancroft Avenue at Dowling
San Leandro, California

Well I.D.	Date Sampled	TPPH as			Ethyl-benzene (µg/L)	Xylenes (µg/L)
		Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)		
MW1	05/30/96	36	ND	0.48	0.46	3.3
	06/26/96	67	ND	ND	0.26	1.7
	07/26/96	160	11	31	4.8	24
	08/19/96	28	ND	0.23	0.28	1.2
	09/26/96	1,100	6.4	11	18	19
	10/28/96	1,000	ND	30	3.5	96
	12/02/96	950	ND	40	5.9	120
	12/20/96	13	ND	ND	ND	0.45
	01/22/97	14	ND	0.27	0.60	2.1
03/06/97	36	ND	1.1	0.66	3.8	
MW2	05/30/96	180	0.25	3.8	4.5	25
	06/26/96	23	ND	0.30	0.52	3.5
	07/26/96	46	0.81	1.9	0.95	2.4
	08/19/96	110	0.17	ND	1.4	1.8
	09/26/96	230	0.70	1.6	2.2	1.4
	10/28/96	250	1.3	3.3	0.50	1.1
	12/02/96	11	ND	ND	ND	0.14
	12/20/96	ND	ND	ND	ND	ND
	01/22/97	20	ND	0.47	0.51	28
03/06/97	70	0.27	2.9	1.8	8.8	
MW3	05/30/96	20	ND	0.25	0.48	3.0
	06/26/96	ND	ND	ND	ND	0.35
	07/26/96	27	0.62	1.2	0.61	2.3
	08/19/96	120	0.43	0.16	2.6	3.9
	09/26/96	46	0.36	0.45	0.24	0.37
	10/28/96	NA	NA	NA	NA	NA
	11/14/96	76	ND	ND	0.31	0.96
	12/02/96	15	ND	ND	ND	0.55
	12/20/96	ND	ND	ND	0.42	0.87
	01/22/97	ND	0.14	ND	0.90	1.3
03/06/97	120	0.64	11	6.9	27	

TPPH = Total pidgeable petroleum hydrocarbons
µg/L = Micrograms per liter
ND = Not detected above the detection limit
NA = Not analyzed (sample air bag leak); well re-sampled 11/14/96
See certified analytical reports for detection limits.

Figure 1
Groundwater Extraction System Mass Removal Trend

Unocal Service Station 5367
 500 Bancroft Avenue at Dowling
 San Leandro, California

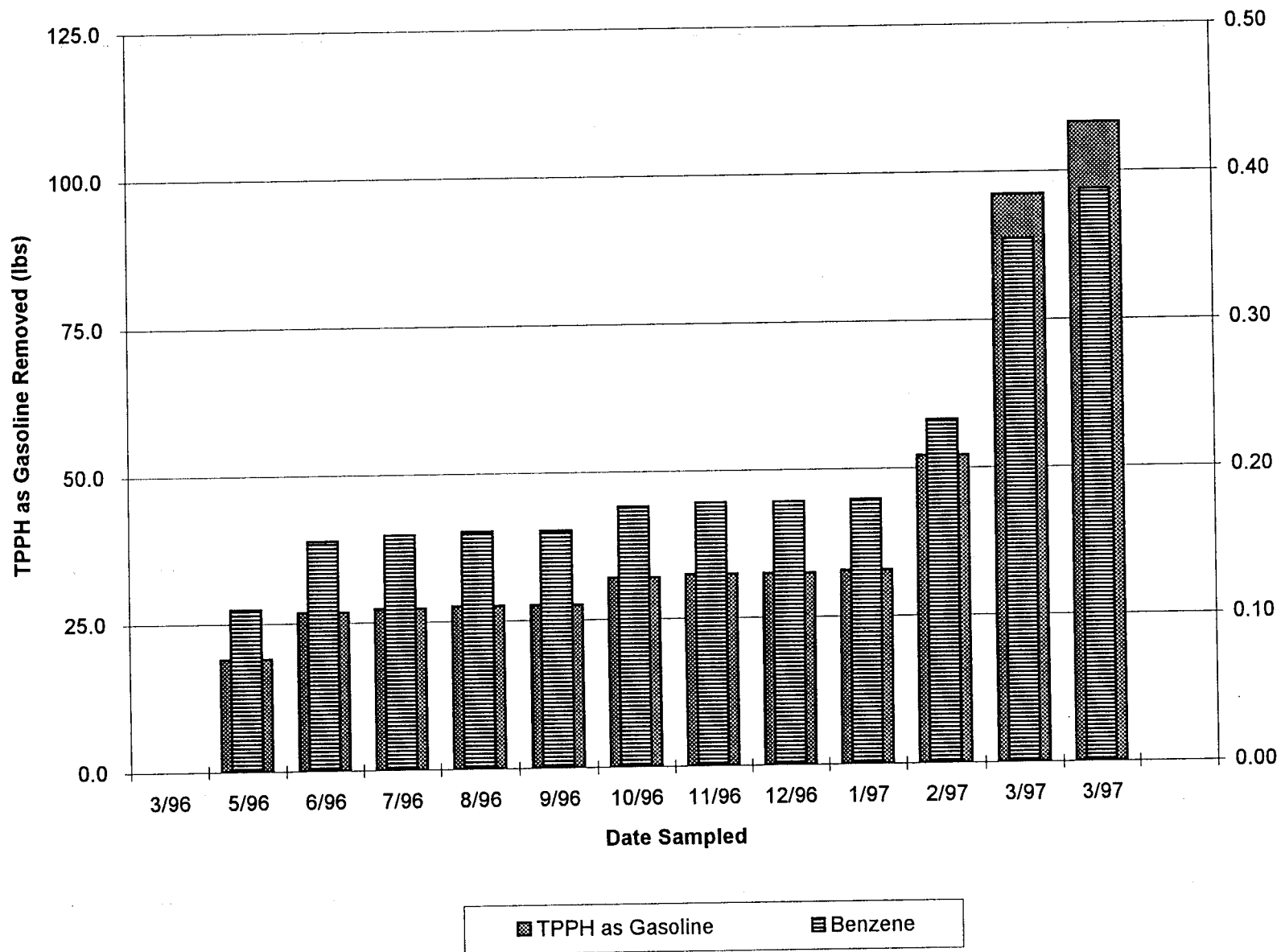


Figure 2
Groundwater Extraction System Hydrocarbon Concentrations
 Unocal Service Station 5367
 500 Bancroft Avenue at Dowling
 San Leandro, California

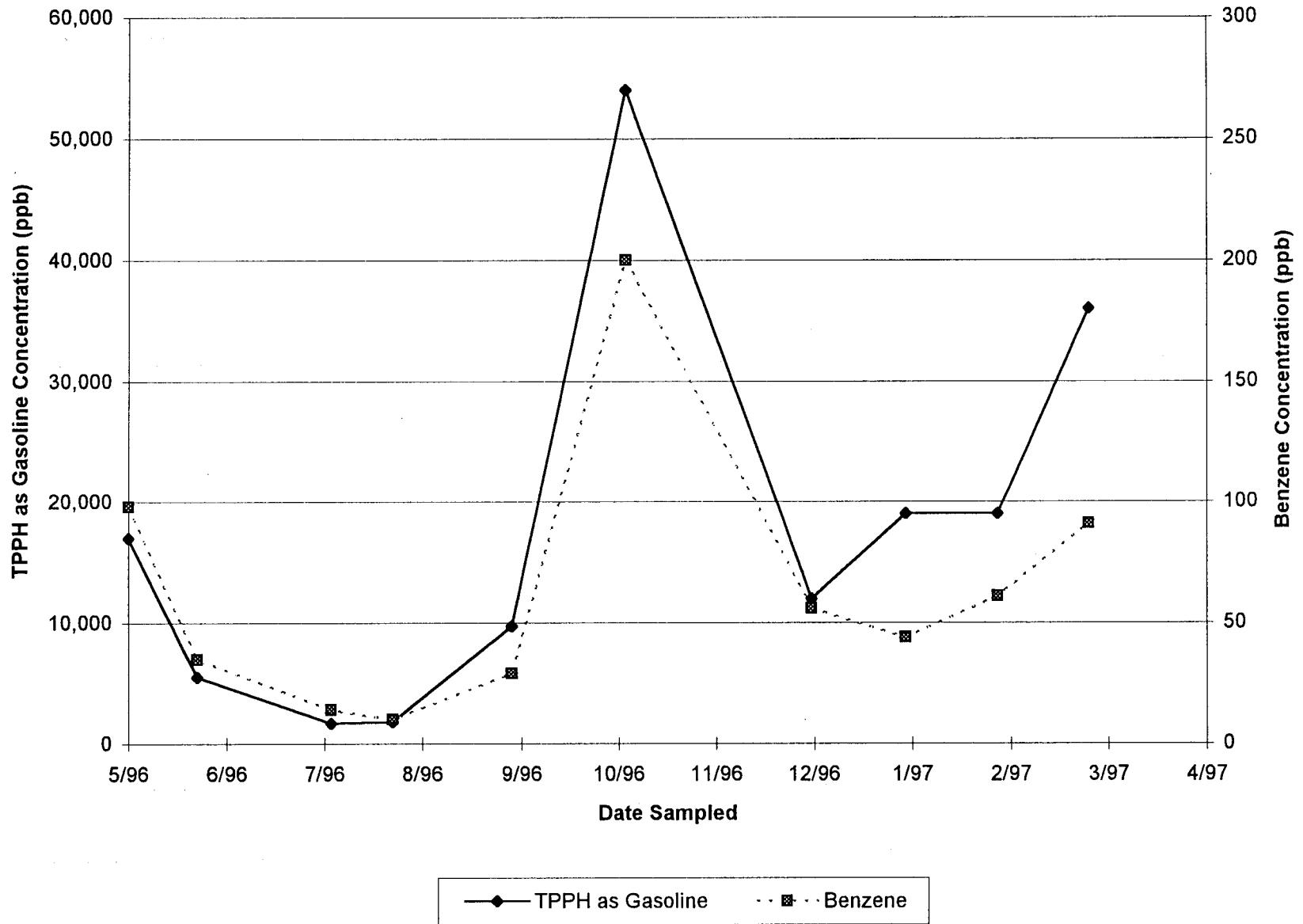


Figure 3
Soil Vapor Extraction System Mass Removal Trend

Unocal Service Station 5367
500 Bancroft Avenue at Dowling
San Leandro, California

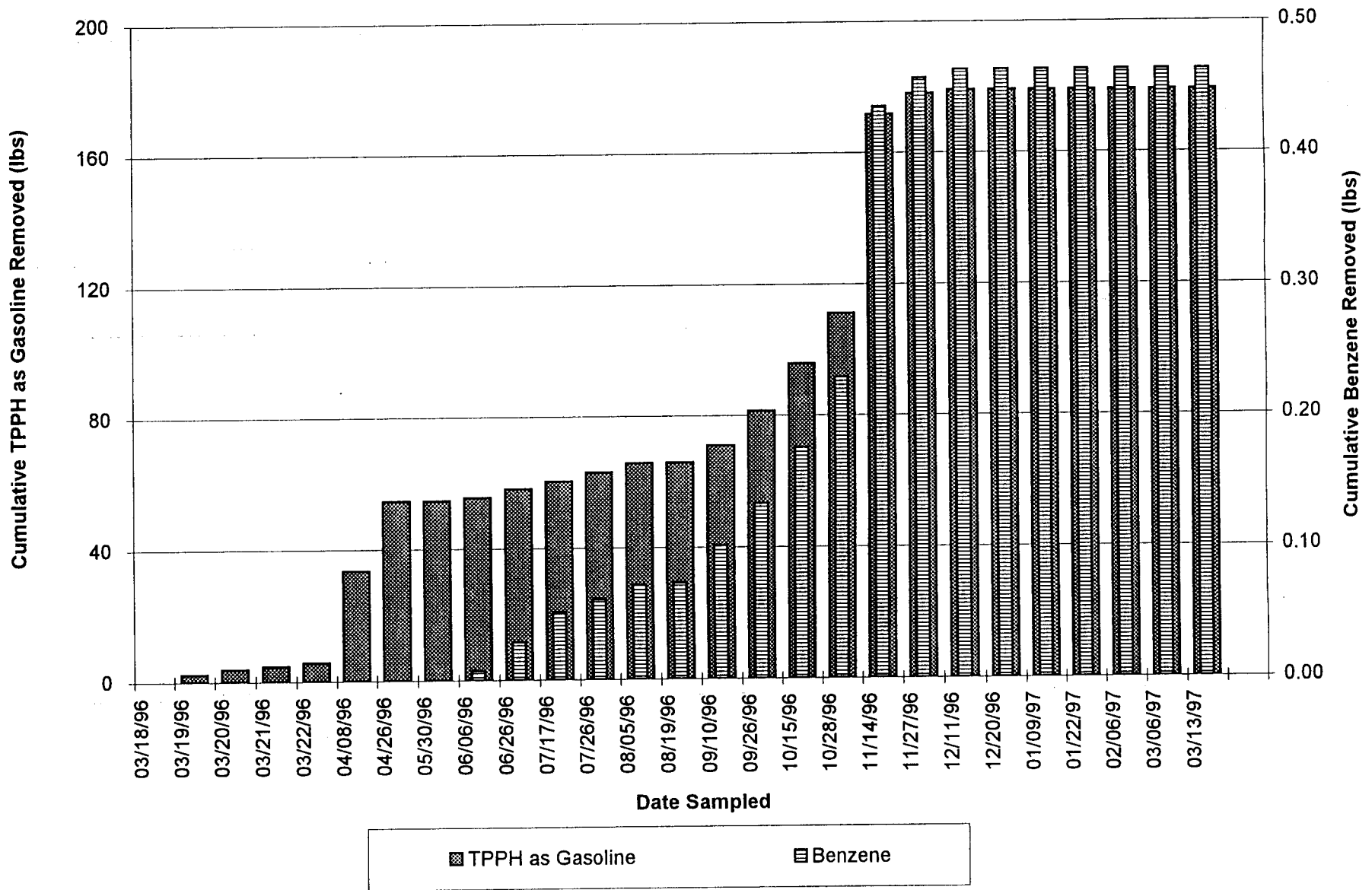
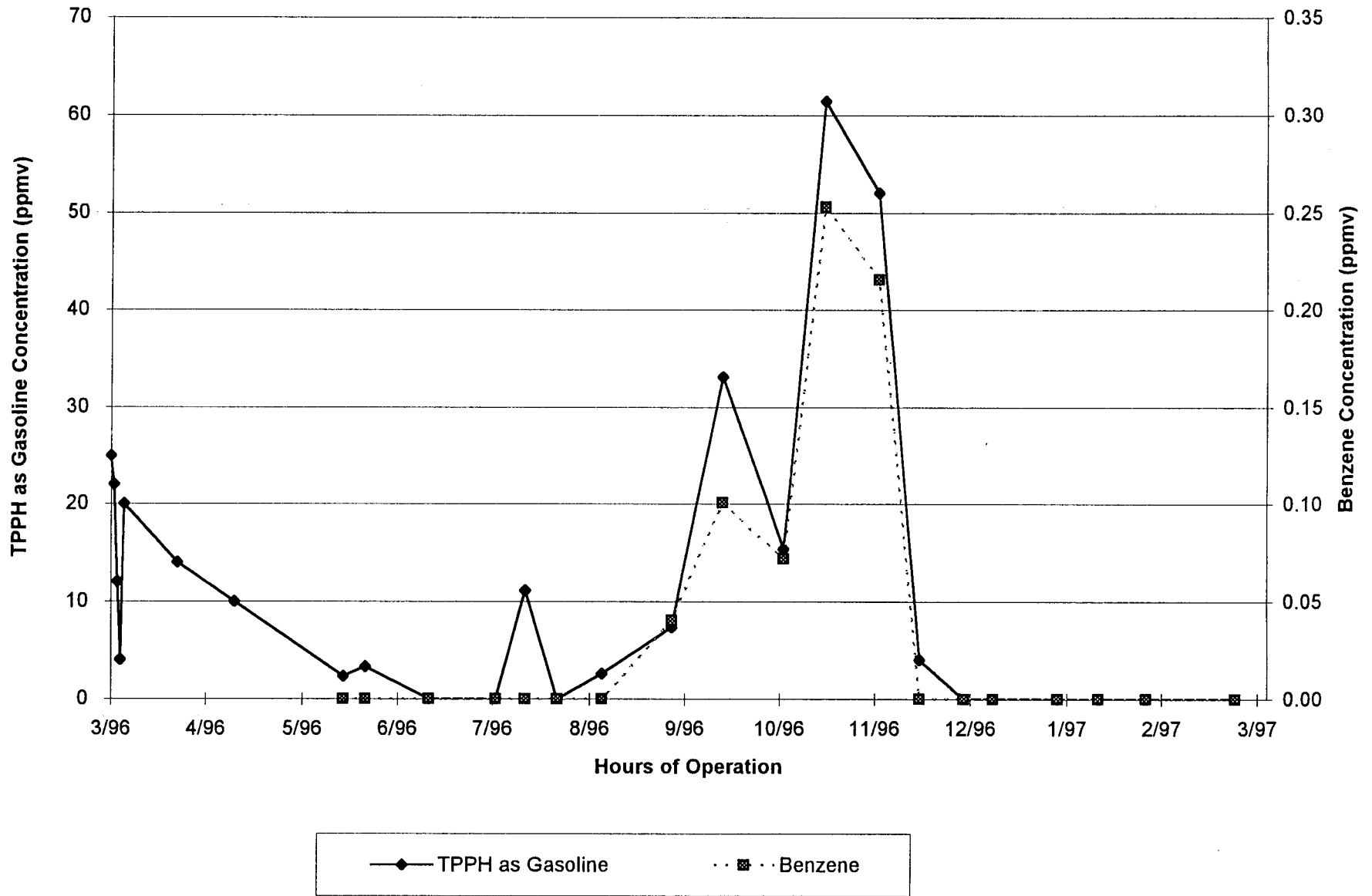


Figure 4
Soil Vapor Extraction System Hydrocarbon Concentrations

Unocal Service Station 5367
500 Bancroft Avenue at Dowling
San Leandro, California



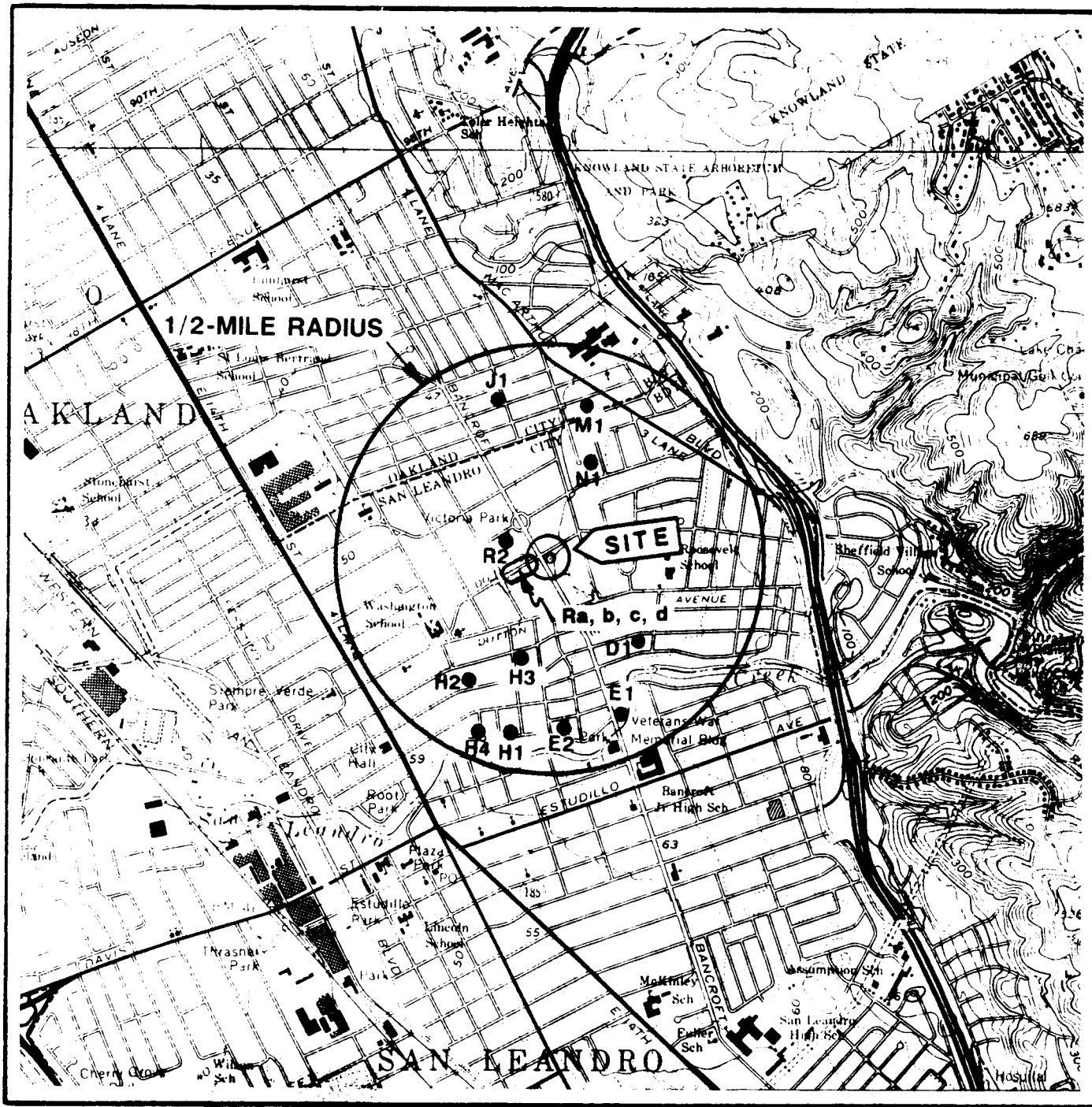


Appendix E

Well Survey

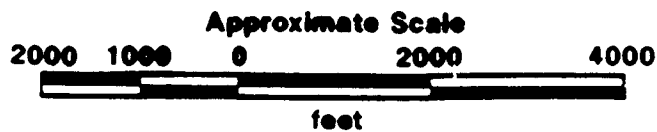


Taken from AGS' Report on Supplemental Subsurface Environmental Investigation and First
Quarter 1990 Monitoring, dated August 10, 1990



Source: U.S. Geological Survey
 7.5-Minute Quadrangle
 San Leandro, California
 Oakland West, California
 Photorevised 1980

R2 ● = Well location



LOCATION MAP OF NEAR BY WELLS
 UNOCAL Station No. 5367
 500 Bancroft Avenue
 San Leandro, California

PLATE
 3

PROJECT NO. 87091-4

TABLE 4
RECORDED AND OBSERVED WELLS WITHIN 1/2-MILE OF SITE
Unocal Station 5367
500 Bancroft Avenue
San Leandro, California

Well Location	Total Depth	Use / Status
2S/3W-23J1	105	Cathodic Protection
2S/3W-23R2	80	Irrigation
2S/3W-24M1	58	Irrigation
2S/3W-24N	179	Irrigation
2S/3W-26H1	60	Irrigation
2S/3W-26H2	54	Irrigation
2S/3W-26H3	57	Irrigation
2S/3W-26H4	60	Irrigation
2S/3W-25D1	55	Irrigation
2S/3W-25E1	65	NA
5S/3W-25E2	60	Irrigation
2S/3W-23Ra*	NA	Abandoned
2S/3W-23Rb*	NA	NA
2S/3W-23Rc*	NA	NA
2S/3W-23Rd*	NA	NA

Data based on Alameda County Water District records.

Total Depth in feet.

* - indicates wells observed during field search.

NA - not available.



Taken from Delta's Sensitive Receptor Report, dated August 22, 2006

Table 1
1,000 Foot Radius Field Receptor Survey
 ConocoPhillips Station #5367
 500 Bancroft Ave.
 San Leandro, CA

Parcel Number	Parcel Owner	Parcel Street Address	City	State	Zip	Land Use	Response		Water Well	Sump Pump	Basement
							Initial	Second			
Address obtained from Assessor	Name obtained from Assessor	Address obtained from Assessor									
76-296-3	Kovac, Anthony	18728 Bollinger Canyon Rd.	San Ramon	California	94583						
76-296-5-1	Legallet, Jok	Unknown	San Francisco	California	Unknown	Residential					
76-296-36	Reed, Gerald	Unknown	Alamo	California	Unknown	Residential	X		No	No	No
76-296-6	Santos, Arthur	Unknown	Hayward	California	Unknown						
76-296-7	Schultz, Marta	657 Dowling Blvd.	San Leandro	California	94577-1907						
76-296-8	Omololu, Adebayo	661 Dowling Blvd.	San Leandro	California	94577-1907	Residential	X		No	No	No
76-296-9	Liplee, Amy	669 Dowling Blvd.	San Leandro	California	94577-1907						
76-296-10	Buchalter, Daniel	695 Dowling Blvd.	San Leandro	California	94577-1907						
76-296-12-3	Kurtz, Robert	525 Kenilorthy Ave.	San Leandro	California	94577-2032						
76-296-12-2	Chen, Gideon	529 Kenilorthy Ave.	San Leandro	California	94577-2032						
76-296-13	Donoviel, Garth	426 Superior Ave.	San Leandro	California	94577-3018	Residential	X		No	No	No
76-296-14	Hong, John	541 Kenilworthy Ave.	San Leandro	California	94577-2032						
76-296-15	Smith, Adeline	547 Kenilworthy Ave.	San Leandro	California	94577-2032						
76-296-16	Catanese, Brandi	553 Kenilworthy Ave.	San Leandro	California	94577-2032	Residential	X		Yes	No	No
76-296-17	Walker, Margaret	559 Kenilworthy Ave.	San Leandro	California	94577-2032						
76-296-18	Ray, Emily	1103 MacArthur Blvd.	San Leandro	California	94577-3901						
76-296-19	Caisse, Andrew	571 Kenilworthy Ave.	San Leandro	California	94577-2032	Residential	X		No	No	No
76-296-20	Knorr, David	577 Kenilworthy Ave.	San Leandro	California	94577-2032						
76-296-21	Jackson, Jay	585 Kenilworthy Ave.	San Leandro	California	94577-2032						
76-296-22	Jorgenson, David	699 Dutton Ave.	San Leandro	California	94577-2031						
76-296-23	Giouzelis, Fellis	279 Lorraine Blvd.	San Leandro	California	94577-2763						
76-296-24	Yong, Ira	632 Dutton Ave.	San Leandro	California	94577-2031						
76-296-25	Uwnovich, Thomas	628 Dutton Ave.	San Leandro	California	94577-2031						
76-296-27-1	Unknown	Gutierrez, Carlos	Belmont	California	Unknown	Residential	X		No	No	Yes
76-296-28	Schwartz, Daniel	572 Belcroft Ave.	San Leandro	California	94577-2024						
76-296-30-1	Unknown	Hey, Ernest	Moraga	California	Unknown						
76-296-31	McKenzie, John	Unknown	Fremont	California	Unknown	Residential	X		No	No	No
76-296-32	McKenzie, John	Unknown	Fremont	California	Unknown						
76-296-35-1	Unknown	Karsant LLC	Piedmont	California	Unknown	Residential	X		No	Yes	No
76-97-1	Cuevas, Karina	506 Kenilworth Ave.	San Leandro	California	94577						
76-97-2	Tsuno, Yoshonori	735 Dowling Blvd.	San Leandro	California	94577-2019						
76-297-37	Murdoff, Kevin	512 Kenilworth Ave.	San Leandro	California	94577-2033						
76-297-36	Moutor, Aaron	518 Kenilworth Ave.	San Leandro	California	94577-2033						
76-297-3	Rich, Jessie	755 Dowling Blvd.	San Leandro	California	94577-2019	Residential	X		No	No	No
76-297-4	Drown, Alma	775 Dowling Blvd.	San Leandro	California	94577-2019	Residential	X		No	No	No
76-297-5	Logson, Eric	781 Dowling Blvd.	San Leandro	California	94577-2019	Residential	X		No	No	No
76-297-6	Cole, Ronald	505 W. Merle Ct.	San Leandro	California	94577-2040	Residential	X		No	No	Yes
76-297-35	Gorcher, Nancy	524 Kenilworth Ave.	San Leandro	California	94577-2033						
76-297-34	Hayes, Holly	Unknown	Oakland	California	Unknown						
76-297-33	Holmes, Jack	PO Box 34	San Leandro	California	94577	Residential	X		No	No	No
76-297-32	Bordin, Dennis	PO Box 3535	San Leandro	California	94578						
76-297-31	Nolan, Michael	548 Kenilworth Ave.	San Leandro	California	94577-2033						
76-297-30	Westfal, Donald	554 Kenilworth Ave.	San Leandro	California	94577-2033	Residential	X		No	No	No
76-297-29	Velasquez, Roberto	560 Kenilworth Ave.	San Leandro	California	94577-2033						
76-297-28	Villalobos, Gregorio	Unknown	Oakland	California	Unknown						
76-297-27	Seiergen, Richard	572 Kenilworth Ave.	San Leandro	California	94577-2033						
76-297-26	Orozoco, Marco	578 Kenilworth Ave.	San Leandro	California	94577-2034						
76-297-25	Noel, Ruth	584 Kenilworth Ave.	San Leandro	California	94577-2035	Residential	X		Yes	No	Yes
76-297-24-2	Montero, Joshua	590 Kenilworth Ave.	San Leandro	California	94577-2036						
76-297-23	Yuen, Norman	720 Dutton Ave.	San Leandro	California	94577-2062	Residential	X		No	No	No
76-297-38	Whitepoole, Cynthia	730 Dutton Ave.	San Leandro	California	94577-2063						
76-297-39	Salmonzhu, Leslie	726 Dutton Ave.	San Leandro	California	94577-2064						
76-297-21	Elias, Roberta	740 Dutton Ave.	San Leandro	California	94577-2065	Residential	X		No	No	Yes
76-297-17	Meiero, Joseph	581 W. Merle Ct.	San Leandro	California	94577-2040	Residential	X		No	No	No
76-297-16	Cobb, Georgia	574 W. Merle Ct.	San Leandro	California	94577-2041						
76-297-15	Loelu, J.	561 W. Merle Ct.	San Leandro	California	94577-2042	Residential	X		No	No	No
76-297-14	Cohn, Diana	555 W. Merle Ct.	San Leandro	California	94577-2043						

Table 1
1,000 Foot Radius Field Receptor Survey
 ConocoPhillips Station #5367
 500 Bancroft Ave.
 San Leandro, CA

Parcel Number	Parcel Owner	Parcel Street Address	City	State	Zip	Land Use	Response		Water Well	Sump Pump	Basement
							Initial	Second			
Address obtained from Assessor	Name obtained from Assessor	Address obtained from Assessor									
76-297-13	Penny, Michael	547 W. Merle Ct.	San Leandro	California	94577-2044	Residential	X		No	No	No
76-297-12	Li, Jia	541 W. Merle Ct.	San Leandro	California	94577-2045	Residential	X		No	No	No
76-297-11	Torkelson, J.	535 W. Merle Ct.	San Leandro	California	94577-2046	Residential	X		No	No	No
76-297-10	Liu, Thomas	529 W. Merle Ct.	San Leandro	California	94577-2047						
76-297-9	Maher, Martin	523 W. Merle Ct.	San Leandro	California	94577-2048						
76-297-8	Karap, K.	517 W. Merle Ct.	San Leandro	California	94577-2049						
76-297-7	Pons, Ruth	509 W. Merle Ct.	San Leandro	California	94577-2050	Residential	X		No	No	No
76-298-38	Montaro, Blanca	794 Dowling Blvd.	San Leandro	California	94577						
76-298-39	Ferrer, Eduardo	782 Dowling Blvd.	San Leandro	California	94577						
76-298-40	Green, Kenneth	780 Dowling Blvd.	San Leandro	California	94577						
76-298-41	Farber, Robert	772 Dowling Blvd.	San Leandro	California	94577						
76-298-42	Thredt, James	750 Dowling Blvd.	San Leandro	California	94577						
76-298-43	Liu, J.	496 Kenilworth Ave.	San Leandro	California	94577-1914						
76-298-44	Wilson, Clyde	488 Kenilworth Ave.	San Leandro	California	94577-1914	Residential	X		No	No	No
76-298-45	Correa, Lawrence	464 Kenilworth Ave.	San Leandro	California	94577-1914	Residential	X		No	Yes	Yes
76-298-37	Wilson, Douglas	439 Merle Ct.	San Leandro	California	94577-2038	Residential	X		No	No	No
76-298-36	Yeuman, Bill	Unknown	Hayward	California	Unknown						
76-298-35	Gerlensmey, Tom	427 W. Merle Ct.	San Leandro	California	94577-2038	Residential	X		No	Yes	No
76-298-34	Day, Yvonne	415 W. Merle Ct.	San Leandro	California	94577-2038						
76-298-33	Inone, Sachi	415 W. Merle Ct.	San Leandro	California	94577-2038						
76-298-55	Wilkerson, Riley	739 Victoria Ave.	San Leandro	California	94577-2012						
76-298-54	Brzostowski, Susan	733 Victoria Ave.	San Leandro	California	94577-2012	Residential	X		No	No	No
76-298-53	McElroy, Dean	717 Victoria Ave.	San Leandro	California	94577-2012	Residential	X		No	No	No
76-298-52	Liars, Ron	713 Victoria Ave.	San Leandro	California	94577-2012						
76-298-51	Bosserce, Courtney	707 Victoria Ave.	San Leandro	California	94577-2012						
76-298-50	Decouloue, Marc	1171 Oaks Blvd.	San Leandro	California	94577-3041	Residential	X		Yes	No	Yes
76-298-49	Decouloue, Marc	1171 Oaks Blvd.	San Leandro	California	94577-3041	Residential	X		Yes	No	Yes
76-298-48-1	Schultz, Robert	438 Kenilworthy Ave.	San Leandro	California	94577-1914	Residential	X		Yes	No	No
76-298-48-2	Schultz, Robert	438 Kenilworthy Ave.	San Leandro	California	94577-1914						
76-298-47	Gomez, Uriel	444 Kenilworthy Ave.	San Leandro	California	94577-1914						
76-298-46	Rich, Robert	454 Kenilworthy Ave.	San Leandro	California	94577-1914						
76-304-21	Marta, Eloisa	806 Dowling Blvd.	San Leandro	California	94577-2022						
76-304-22	Fisher, Antoine	450 W. Merle Ct.	San Leandro	California	94577-2039						
76-304-20	Boas, Joan	816 Dowling Blvd.	San Leandro	California	94577-2022	Residential	X		No	Yes	No
76-304-23	Taylor, Lawrence	440 W. Merle Ct.	San Leandro	California	94577-2039	Residential	X		Yes	No	No
76-304-24	Andrews, Charlie	436 W. Merle Ct.	San Leandro	California	94577-2039						
76-304-1	Jordan, Andrew	803 Alice Ave.	San Leandro	California	94577-2017						
76-304-2	Yu, Liz	811 Alice Ave.	San Leandro	California	94577-2017						
76-305-1	Griffith, Joyce	504 W. Merle Ct.	San Leandro	California	94577-2041						
76-305-23	Maciar, Akien	510 W. Merle Ct.	San Leandro	California	94577-2041						
76-305-22	Marchetti, Louis	520 W. Merle Ct.	San Leandro	California	94577-2041						
76-305-21	Comeso, Carolina	526 W. Merle Ct.	San Leandro	California	94577-2041						
76-305-20	Robinson, Jeanette	Unknown	San Mateo	California	Unknown						
76-305-19	Olson, Janice	538 W. Merle Ct.	San Leandro	California	94577-2041	Residential	X		No	No	No
76-360-26	City & County Employees Credit Union	Unknown	Hayward	California	Unknown						
76-360-27	City & County Employees Credit Union	Unknown	Hayward	California	Unknown						
76-360-28	Mac, Leon	633 Dutton Ave.	San Leandro	California	94577-2030	Residential	X		No	No	No
76-360-24	Chan, Carl	1417 Lake Chabot Rd.	San Leandro	California	94577-3922						
76-360-23-1	Goodrich, Jack	22314 El Lydon	San Leandro	California	94522-5359	Returned Mail					
76-360-31	Miller, Harvey	655 Dutton Ave.	San Leandro	California	94577-2030						
76-360-21	Minnis, Michael	604 Oakes Blvd.	San Leandro	California	94577-3036	Residential	X		No	No	No
76-360-32	Szabo, Sandor	Unknown	Oakland	California	Unknown	Residential	X		No	No	No
76-360-33	Metavernier, Maria	685 Dutton Ave.	San Leandro	California	94577-2030	Residential	X		No	No	No
76-360-34	Appleby, Joy	697 Dutton Ave.	San Leandro	California	94577-2030						
76-360-35	Taylor, Douglas	701 Dutton Ave.	San Leandro	California	94577-2030						
76-360-20	Tang, Arthur	608 Dukes Blvd.	San Leandro	California	94577-3036	Mail Returned					
76-360-19	Ripley, Mark	612 Dukes Blvd.	San Leandro	California	94577-3036						

Table 1
1,000 Foot Radius Field Receptor Survey
 ConocoPhillips Station #5367
 500 Bancroft Ave.
 San Leandro, CA

Parcel Number	Parcel Owner	Parcel Street Address	City	State	Zip	Land Use	Response		Water Well	Sump Pump	Basement
							Initial	Second			
Address obtained from Assessor	Name obtained from Assessor	Address obtained from Assessor									
76-397-1	Yang, Edward	Unknown	Alameda	California	Unknown						
76-397-2	Moore, Thomas	575 Dutton Ave.	San Leandro	California	94577-2043	Residential	X		No	No	No
76-397-3	Jung, Derek	618 Victoria	San Leandro	California	94577	Residential	X		No	No	No
76-397-4	Bevilacqua, Cruce	1300 Maria Dr.	San Leandro	California	94577-2428	Residential	X		No	No	No
76-397-5	Shorn, Maria	2824 Hulcyon Dr.	San Leandro	California	94578-3829						
76-397-6	Shorn, Maria	2824 Hulcyon Dr.	San Leandro	California	94578-3829						
76-397-7	Perrino, Charles	698 Arbor Dr.	San Leandro	California	94577-2914						
76-397-8	Moore, Thomas	575 Dutton Ave.	San Leandro	California	94577-2043	Residential	X		No	No	No
76-397-9	Moore, Thomas	575 Dutton Ave.	San Leandro	California	94577-2043	Residential	X		No	No	No
76-398-1	Buscouch, Nicholas	610 Lee Ave.	San Leandro	California	94577-2956	Residential	X		No	No	No
76-398-2	Dusenny, Viacheslau	533 Dutton Ave.	San Leandro	California	94577-2042	Residential	X		No	No	No
76-398-3	Guerrero, Luisa	539 Dutton Ave.	San Leandro	California	94577-2042						
76-398-4	Monroe, Morales	Unknown	Oakland	California	Unknown						
76-398-5	Prasad, Taranati	605 Arbor Dr.	San Leandro	California	94577-2913						
76-398-6	Vincent, Robert	625 Arbor Dr.	San Leandro	California	94577-2913						
76-398-7	River, Troy	681 Arbor Dr.	San Leandro	California	94577-2913						
76-398-8	Leung, Jennifer	695 Arbor Dr.	San Leandro	California	94577-2913						
76-398-10	Pollack, Lewis	680 Lee Ave.	San Leandro	California	94577-2956	Residential	X		No	No	Yes
76-398-11	Tribuiani, R.	660 Lee Ave.	San Leandro	California	94577-2956	Residential	X		No	No	No
76-410-1	Rosas, Armando	608 Woodland Ave.	San Leandro	California	94577-2835	Residential	X		No	No	Yes
76-410-13	Dayton, Paul	626 Woodland Ave.	San Leandro	California	94577-2835						
76-410-12	Brack, Marie	632 Woodland Ave.	San Leandro	California	94577-2835						
76-410-2	Vallianos, S.	14668 Saturn Dr.	San Leandro	California	94578-1345	Commercial	X		No	No	No
76-410-3-1	Yost, Virginia	605 Lee Ave.	San Leandro	California	94577-2955	Residential	X		No	No	No
76-410-3-2	Elliott, B.	627 Lee Ave.	San Leandro	California	94577-2955						
76-410-4	Debacker, Jeanine	661 Lee Ave.	San Leandro	California	94577-2955						
76-410-5	Willis, Paul	673 Lee Ave.	San Leandro	California	94577-2955	Residential	X		No	No	No
76-410-6	Reicker, E.	679 Lee Ave.	San Leandro	California	94577-2955	Residential	X		No	No	Yes
76-288-1	Kennedy, Carol	505 Dowling Blvd.	San Leandro	California	94577-1905						
76-288-2	English, James	505 Dowling Blvd.	San Leandro	California	94577-1905						
76-288-3	Lake, Rosemary	Unknown	Sterling Heights	MI	Unknown						
76-288-4	Tayeb, Abdul	531 Dowling Blvd.	San Leandro	California	94577-1905						
76-288-5	Allen, Lionel	543 Dowling Blvd.	San Leandro	California	94577-1905	Residential	X		No	No	Yes
76-288-6	Ostroski, Lisa	549 Dowling Blvd.	San Leandro	California	94577-1905	Residential	X		No	No	No
76-288-7	Dyke, David	563 Dowling Blvd.	San Leandro	California	94577-1905						
76-288-34	Mueller, Stefan	538 Warwick Ave.	San Leandro	California	94577-1944						
76-288-11	Ona, Godwin	Unknown	Oakland	California	Unknown						
76-288-8	Cabellos, Eisa	573 Dowling Blvd.	San Leandro	California	94577-7905						
76-288-9	Durkin, James	2518 Lakeview Dr.	San Leandro	California	94577	Residential	X		Yes	Yes	No
76-288-10-1	Lemar, Ryan	Unknown	Hayward	California	Unknown	Residential	X		No	No	No
76-288-10-2	Schaff, Jonathon	198 Juana Ave.	San Leandro	California	94577-4808						
76-288-14-1	Safeway, H.	Unknown	Walnut Creek	California	Unknown						
76-288-31	Davis, Edward	851 Woodland Ave.	San Leandro	California	94577-3759						
76-288-32	Fernandez, Lily	554 Warwick Ave.	San Leandro	California	94577-1944	Residential	X		No	No	Yes
76-288-33	Serdarjares, Dorothy	552 Warwick Ave.	San Leandro	California	94577-1944	Residential	X		Yes	No	Yes
76-288-15	Safeway, H.	Unknown	Walnut Creek	California	Unknown						
76-288-16	Attles, Alvin	Unknown	Oakland	California	Unknown						
76-288-17	O'Donnell, H.	Unknown	Union City	California	Unknown	Returned Mail					
76-288-18-1	Barnes, Bruce	590 Dutton Ave.	San Leandro	California	94577-2026	Residential	X		No	No	No
76-288-19	Palma, Nilson	Unknown	Dublin	California	Unknown						
76-288-20-1	Moreno, E.	Unknown	Dublin	California	Unknown						
76-288-24	Uwrawich, Thomas	537 Dutton Ave.	San Leandro	California	94577-2026						
76-288-25	Dubique, Kathy	530 Dutton Ave.	San Leandro	California	94577-2026	Residential	X		No	No	No
76-288-26	Dere, Richard	Unknown	Hayward	California	Unknown	Residential	X		No	No	No
76-288-27	Boreczky, John	516 Dutton Ave.	San Leandro	California	94577-2026						
76-288-28	Truons, Hai	598 Warwick Ave.	San Leandro	California	94577-1944						
76-288-29	Moeller, Roy	586 Warwick Ave.	San Leandro	California	94577-1944						

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 ConocoPhillips Station #5367
 500 Bancroft Ave.
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Parcel Number	Parcel Owner	Parcel Street Address	City	State	Zip	Land Use	Response		Water Well	Sump Pump	Basement
							Initial	Second			
Address obtained from Assessor	Name obtained from Assessor	Address obtained from Assessor									
76-288-30	Hustacc, William	582 Warwick Avenue	San Leandro	California	94577-1944	Residential	X		No	No	No
76-298-1	Rowc, Priscilla	509 Victoria Court	San Leandro	California	94577-1933						
76-298-2	Morroney, Barbara	521 Victoria Court	San Leandro	California	94577-1933						
76-289-24	Donnell, Ronald	428 Victoria Court	San Leandro	California	94577-1933	Returned Mail					
76-289-3	Tse, Frank	533 Victoria Court	San Leandro	California	94577-1933						
76-289-4	Pique, Bertha	545 Victoria Court	San Leandro	California	94577-1933						
76-289-5	Oshida, Joanne	551 Victoria Court	San Leandro	California	94577-1933						
76-289-6	Larson, Carl	Unknown	Oakland	California	Unknown	Residential	X		No	No	No
76-289-7	Marzulire, Louis	Unknown	Sunnyvale	California	Unknown						
76-289-8	Brandt, Norman	345 Hollister Court	San Leandro	California	94577-2008	Residential	X		No	No	No
76-289-9-1	Johnson, Evelyn	Unknown	Oakland	California	Unknown	Residential	X		No	No	No
76-289-10-2	Anderson, John	437 Bancroft Avenue	San Leandro	California	94577-1919	Commercial	X		No	No	No
76-289-10-3	Hijazi, S.	2956 Teagarden St.	San Leandro	California	94577-5919						
76-289-11	Singh, K.	593 Victoria Avenue	San Leandro	California	94577-1933						
76-289-12-1	Tolentino, Adela	421 Bancroft Avenue	San Leandro	California	94577-1919						
76-289-12-2	Anderson, John	437 Bancroft Avenue	San Leandro	California	94577-1919	Commercial	X		No	No	No
76-289-23	Hanson, April	482 Warwick Avenue	San Leandro	California	94577-1942						
76-289-22-2	Granger, Phillip	510 Dowling Blvd.	San Leandro	California	94577-1906						
76-289-22-1	Granger, Phillip	510 Dowling Blvd.	San Leandro	California	94577-1906						
76-289-21	Graham, Patrick	540 Dowling Blvd.	San Leandro	California	94577-1906						
76-289-20	Frager, Benjamin	542 Dowling Blvd.	San Leandro	California	94577-1906	Residential	X		No	No	No
76-289-19	Longneeker, Enis	544 Dowling Blvd.	San Leandro	California	94577-1906						
76-289-18	Sanchez, Roxanne	550 Dowling Blvd.	San Leandro	California	94577-1906						
76-289-17	Moretti, Doris	560 Dowling Blvd.	San Leandro	California	94577-1906						
76-289-16	Finch, Victor	566 Dowling Blvd.	San Leandro	California	94577-1906						
76-289-15	Waehler, James	580 Dowling Blvd.	San Leandro	California	94577-1906	Residential	X		No	No	Yes
76-289-14	Ancheta, Junell	120 Bred Avenue	San Leandro	California	94577-1812						
76-289-8	Sousa, Mary	347 Warwick Avenue	San Leandro	California	94577-1939						
76-289-9	Minor, Gary	357 Warwick Avenue	San Leandro	California	94577-1939	Residential	X		No	No	Yes
76-286-10	Chilson, Tracey	365 Warwick Avenue	San Leandro	California	94577-1939						
76-286-11	Jernigan, Fred	325 Warwick Avenue	San Leandro	California	94577-1939	Mail Returned					
76-286-12	Dalton, Christopher	383 Warwick Avenue	San Leandro	California	94577-1939						
76-286-13	Steiner, Aryzia	435 Dowling Blvd.	San Leandro	California	94577-1903						
76-286-15	Bullard, Charles	415 Warwick Avenue	San Leandro	California	94577-1941						
76-286-16	Carrero, Michael	421 Warwick Avenue	San Leandro	California	94577-1941	Residential	X		No	No	Yes
76-286-17	Gross, Linda	429 Warwick Avenue	San Leandro	California	94577-1941						
76-286-18	Hupport, Betty	455 Warwick Avenue	San Leandro	California	94577-1941	Residential	X		No	No	Yes
76-286-19-4	Olivarez, John	477 Warwick Avenue	San Leandro	California	94577	Residential	X		No	No	No
76-286-19-3	Sears, William	492 Dowling Blvd.	San Leandro	California	94577-1904						
76-286-20	Cruz, Felix	454 Dowling Blvd.	San Leandro	California	94577-1904	Residential	X		No	No	Yes
76-286-21	Agrella, Justin	1231 148th Avenue	San Leandro	California	94578						
76-286-22	Shull, Fred	490 Beverly Avenue	San Leandro	California	94577-1928	Residential	X		No	Yes	Yes
76-286-23	Luna, James	442 Beverly Avenue	San Leandro	California	94577-1928	Residential	X		No	No	No
76-286-24	Torres, John	440 Beverly Avenue	San Leandro	California	94577-1928	Residential	X		No	No	No
76-286-25	Williams, Cheryl	432 Beverly Avenue	San Leandro	California	94577-1928	Residential	X		No	No	No
76-286-26	Hueyayer, Clinton	386 Beverly Avenue	San Leandro	California	94577-1928						
76-286-27	Yerby, Gary	1757 Via Lacqua	San Leandro	California	94580	Residential	X		No	No	Yes
76-286-28-1	Plunkett, William	374 Beverly Avenue	San Leandro	California	94577-1926	Residential	X		No	No	No
76-286-28-2	Nersesian, M.	366 Beverly Avenue	San Leandro	California	94577-1926						
76-286-29-2	Salllee, Gregory	360 Beverly Avenue	San Leandro	California	94577-1926						
76-286-29-1	McGregor, Alan	340 Beverly Avenue	San Leandro	California	94577-1926	Residential	X		No	No	No
76-287-1	Batcheller, Paul	502 Beverly Avenue	San Leandro	California	94577-1926						
76-287-2	Hamilton, P.	431 Dowling Blvd.	San Leandro	California	94577-1903						
76-287-3	Steiner, Aryzia	435 Dowling Blvd.	San Leandro	California	94577-1903						
76-287-4	DeCruz, J.	439 Dowling Blvd.	San Leandro	California	94577-1903						
76-287-5	Byrne, Leslie	443 Dowling Blvd.	San Leandro	California	94577-1903	Residential	X		Yes	No	Yes
76-287-6	Sandoval, Luis	453 Dowling Blvd.	San Leandro	California	94577-1903						

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 ConocoPhillips Station #5367
 500 Bancroft Ave.
 San Leandro, CA

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							Initial	Second			
Address obtained from Assessor	Name obtained from Assessor	Address obtained from Assessor									
76-287-7	Sandler, Randy	495 Dowling Blvd.	San Leandro	California	94577-1903	Residential	X		Yes	No	No
76-287-8	Valentine, Dale	529 Warwick Avenue	San Leandro	California	94577-1943						
76-287-9	Clark, Cynthia	551 Warwick Avenue	San Leandro	California	94577-1943						
76-287-10	Perez, Gonzalo	Unknown	Hayward	California	Unknown						
76-287-11	Wilson, Marian	561 Warwick Avenue	San Leandro	California	94577-1943						
76-287-12	Bolar, James	430 Bred Avenue	San Leandro	California	94577-1816						
76-287-13-1	Jimanez, A.	Unknown	Alameda	California	Unknown						
76-287-13-2	Zhang, Guo	424 Dutton Avenue	San Leandro	California	94577-2800						
76-287-14-2	Fitzpatrick, C.	348 Hollister Court	San Leandro	California	94577-2009						
76-287-14-1	Ray, Emily	1103 MacArthur Blvd.	San Leandro	California	94577-3901						
76-287-15	Fitzgerald, Jennifer	420 Dutton Avenue	San Leandro	California	94577	Residential	X		No	No	No
76-287-18	Avila, Irene	582 Beverly Avenue	San Leandro	California	94577-1930	Residential	X		Yes	No	Yes
76-287-19	Gross, Robert	572 Beverly Avenue	San Leandro	California	94577-1930						
76-287-20	Nordstrom, Susan	552 Beverly Avenue	San Leandro	California	94577-1930						
76-287-21	Viewn, Leon	255 Leo Avenue	San Leandro	California	94577-2718	Residential	X				
76-287-22	Lahanier, A.	536 Beverly Avenue	San Leandro	California	94577-1930						
76-287-23	Ciisbee, Mary	526 Beverly Avenue	San Leandro	California	94577-1930						
76-290-2	Thompson, Clifford	517 Broadmoor Blvd.	San Leandro	California	94577-1949						
76-290-3	Currier, Max	521 Broadmoor Blvd.	San Leandro	California	94577-1949	Residential	X		No	No	Yes
76-290-4-2	Leuthold, Robert	537 Broadmoor Blvd.	San Leandro	California	94577-1949	Residential	X		No	No	No
76-290-24	Dodson, Darryl	336 Warwick Avenue	San Leandro	California	94577-1940						
76-290-5-1	Hasson, RB	571 Broadmoor Blvd.	San Leandro	California	94577-1949	Residential	X		No	No	No
76-290-6	Smith, Yvette	573 Broadmoor Blvd.	San Leandro	California	94577-1949						
76-290-7	Sherik, Erale	674 Victoria Court	San Leandro	California	94577-1902		X		Yes	No	Yes
76-290-8	Griffin, William	577 Broadmoor Blvd.	San Leandro	California	94577-1949						
76-290-9	Mulleney, Colleen	589 Broadmoor Blvd.	San Leandro	California	94577-1949		X		Yes	Yes	No
76-290-10	Huey, H.	355 Bancroft Avenue	San Leandro	California	94577-1917	Residential	X		No	No	No
76-290-11	Bafina, Poonam	Unknown	San Jose	California	Unknown	Commercial	X		No	No	No
76-290-12-1	Tuttle, Martin	440 Broadmoor Blvd.	San Leandro	California	94577-1948						
76-290-12-2	Hernandez, P.	Unknown	Alameda	California	Unknown	Commercial	X		No	No	Yes
76-290-13	Lockerbic, Corina	Unknown	Oakland	California	Unknown				No	No	No
76-290-14	Hartje, B.	586 Victoria Court	San Leandro	California	94577-1934	Residential	X				
76-290-15	Smith, Alfred	Unknown	Santa Cruz	California	Unknown						
76-290-16	Lowder, Charles	570 Victoria Court	San Leandro	California	94577-1934	Residential	X		No	No	Yes
76-290-17	O'Neil, James	588 Victoria Court	San Leandro	California	94577-1934	Mail Returned					
76-290-18	Monette, Billie	544 Victoria Court	San Leandro	California	94577-1934						
76-290-19	Winstock, Love	530 Victoria Court	San Leandro	California	94577-1934	Residential	X		No	No	Yes
76-290-20	KMT Management	520 Victoria Court	San Leandro	California	94577-1934						
76-290-21	Taylor, Kathleen	Unknown	Oakland	California	Unknown						
76-290-22	Covington, Willie	360 Warwick Avenue	San Leandro	California	94577-1940	Residential	X		No	No	No
76-290-23	Kartman, Elissa	354 Warwick Avenue	San Leandro	California	94577-1940	Residential	X		No	No	No
76-294-3	Sirco, Stanley	347 Kenilworth Avenue	San Leandro	California	94577-1911						
76-294-4	Cecconi, Craig	351 Kenilworth Avenue	San Leandro	California	94577-1911						
76-294-5	Cecconi, Craig	377 Kenilworth Avenue	San Leandro	California	94577-1911						
76-294-6	Schneider, Joseph	690 Victoria Court	San Leandro	California	94577-1902						
76-294-7	Shippen Paul	678 Victoria Court	San Leandro	California	94577-1902						
76-294-8	Sherik, Erale	674 Victoria Court	San Leandro	California	94577-1902						
76-294-9	Delapp, Randall	670 Victoria Court	San Leandro	California	94577-1902						
76-294-10	Melendez, Jose	664 Victoria Court	San Leandro	California	94577-1902	Residential	X		No	No	No
76-294-11	Marshall, Brett	658 Victoria Court	San Leandro	California	94577-1902	Residential	X		No	No	No
76-294-12	Paoletti, Michael	650 Victoria Court	San Leandro	California	94577-1902						
76-294-13	Petrick, Jennifer	642 Victoria Court	San Leandro	California	94577-1902	Residential	X		No	No	No
76-294-14	Bowers, William	701 Rodney Drive	San Leandro	California	94577-3826						
76-294-15	Jung, Derek	618 Victoria Court	San Leandro	California	94577-1902						
76-294-16	Venza, Lawrence	614 Victoria Court	San Leandro	California	94577-1902	Residential	X		Yes	No	No
76-294-17	Alves, Ygnacio	610 Victoria Court	San Leandro	California	94577-1902						
76-294-18	Stepman, Lyle	Unknown	Oakland	California	Unknown	Residential	X		No	No	No

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 San Leandro, CA

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							Initial	Second			
Address obtained from Assessor	Name obtained from Assessor	Address obtained from Assessor									
76-294-19	Castellanos, Jorge	380 Bancroft Avenue	San Leandro	California	94577-1918						
76-294-20	Cutter, Nancy	366 Bancroft Avenue	San Leandro	California	94577-1918						
76-294-21	Zepeda, Rene	1271 Sealy St.	San Leandro	California	94577-2501						
76-294-22	Fernandez, Jorge	340 Bancroft Avenue	San Leandro	California	94577-1918	Residential	X		No	No	No
76-294-23	Johnson, Richard	308 Bancroft Avenue	San Leandro	California	94577-1918	Residential	X		No	No	No
76-294-24	Guido, Chad	607 Broadmoor Blvd.	San Leandro	California	94577-1951	Residential	X		No	No	No
76-294-25	Guerrero, Jose	609 Broadmoor Blvd.	San Leandro	California	94577-1951						
76-294-26	Aihre, Thomas	615 Broadmoor Blvd.	San Leandro	California	94577-1951						
76-294-27	Long Craig	621 Broadmoor Blvd.	San Leandro	California	94577-1951	Residential	X		No	No	No
76-294-28	Lewis, MB	627 Broadmoor Blvd.	San Leandro	California	94577-1951	Residential	X		Yes	No	No
76-294-29	Memenus, Robert	631 Broadmoor Blvd.	San Leandro	California	94577-1951						
76-294-30	Walker, Nancy	637 Broadmoor Blvd.	San Leandro	California	94577-1951	Residential	X		No	No	Yes
76-294-31	Hall, Wayman	641 Broadmoor Blvd.	San Leandro	California	94577-1951						
76-294-32	Reed, Richard	649 Broadmoor Blvd.	San Leandro	California	94577-1951	Residential	X		No	No	No
76-294-33	Ambrosia, Peter	655 Broadmoor Blvd.	San Leandro	California	94577-1951						
76-294-34	Huiterra, Michelle	659 Broadmoor Blvd.	San Leandro	California	94577-1951						
76-299-32	Reed, Richard	649 Broadmoor Blvd.	San Leandro	California	94577-1951						
76-299-31	Hall, Wayman	641 Broadmoor Blvd.	San Leandro	California	94577-1951						
76-299-30	Walker, Nancy	637 Broadmoor Blvd.	San Leandro	California	94577-1951						
76-299-33	Ambrosia, Peter	655 Broadmoor Blvd.	San Leandro	California	94577-1951						
76-299-29	Memenus, Robert	631 Broadmoor Blvd.	San Leandro	California	94577-1951						
76-295-1	Owens, Ricky	691 Victoria Court	San Leandro	California	94577-1901						
76-295-2	Trefz, Tamara	417 Kenilworth Avenue	San Leandro	California	94577-1913						
76-295-3	Oliva, Jose	427 Kenilworth Avenue	San Leandro	California	94577-1913						
76-295-4	Gladmen, Grant	439 Kenilworth Avenue	San Leandro	California	94577-1913	Residential	X		No	No	No
76-295-5	Mena, Carlos	441 Kenilworth Avenue	San Leandro	California	94577-1913						
76-295-6	Mejia, Clemente	465 Kenilworth Avenue	San Leandro	California	94577-1913	Residential	X		No	No	No
76-295-7	Ginyec, David	475 Kenilworth Avenue	San Leandro	California	94577-1913						
76-295-8	Baker, Tracy	485 Kenilworth Avenue	San Leandro	California	94577-1913	Residential	X		No	No	No
76-295-9	Garcia, Myrna	690 Dowling Blvd.	San Leandro	California	94577-1908						
76-295-10	Grinols, Margaret	676 Dowling Blvd.	San Leandro	California	94577-1908	Residential	X		No	No	No
76-295-11	Ybarrola, Rose	660 Dowling Blvd.	San Leandro	California	94577-1908						
76-295-12	Quntagua, Jesse	656 Dowling Blvd.	San Leandro	California	94577-1908	Residential	X		No	No	No
76-295-13	Colaco, Colin	642 Dowling Blvd.	San Leandro	California	94577-1908						
76-295-14	Novak, Ralph	638 Dowling Blvd.	San Leandro	California	94577-1908	Residential	X		No	No	No
76-295-15	Spiese, BR	630 Dowling Blvd.	San Leandro	California	94577-1908	Residential	X		No	Yes	Yes
76-295-16	Lewis, Ken	626 Dowling Blvd.	San Leandro	California	94577-1908						
76-295-17	Vanhom, Fredrick	496 Bancroft Avenue	San Leandro	California	94577-1920	Residential	X		No	No	No
76-295-18	Aguado, Abad	478 Bancroft Avenue	San Leandro	California	94577-1920						
76-295-19	Widgren, Ronald	470 Bancroft Avenue	San Leandro	California	94577-1920	Residential	X		No	No	No
76-295-20	Miller, Roy	Unknown	Hayward	California	Unknown	Residential	X		No	No	No
76-295-21	Kistner, E.	Unknown	Oakland	California	Unknown	Residential	X		No	No	No
76-295-22	Benton, Rachel	414 Bancroft Avenue	San Leandro	California	94577-1920						
76-295-23	Brooks, OK	611 Victoria Avenue	San Leandro	California	94577	Mail Returned					
76-295-24	Raposo, Gilbert	1445 Daily Drive	San Leandro	California	94577-6341	Residential	X		No	No	No
76-295-25	Thompson, Jonny	621 Victoria Court	San Leandro	California	94577-1901	Residential	X		Yes	No	No
76-295-26	Jooster, Joan	631 Victoria Court	San Leandro	California	94577-1901	Residential	X		No	No	No
76-295-27	Blackman, Michael	643 Victoria Court	San Leandro	California	94577-1901						
76-295-28	Amaza, Gustavo	651 Victoria Court	San Leandro	California	94577-1901						
76-295-29	Bushnell, Thelma	Unknown	Oxford	NE	Unknown	Returned Mail					
76-295-30	McCall, Christopher	671 Victoria Court	San Leandro	California	94577-1901						
76-295-31	Pella, Christopher	673 Victoria Court	San Leandro	California	94577-1901						
76-295-32	Norman, Kevin	Unknown	Redwood City	California	Unknown						

Table 2
One Mile Radius Agency Receptor Survey
 ConocoPhillips Station #5367
 500 Bancroft Ave.
 San Leandro, CA

Well Owner	Street Address	City	State	Zip	Well No.	Land Use	Response		Water Well	Sump Pump	Basement
							Initial	Second			
Name obtained from DWR	Address obtained from the DWR										
Valentine Deleon	505 Broadmoor Blvd.	San Leandro	California	94577	2S/3W-23R3	Returned Mail					
Mrs. Bennett	2500 99th Avenue	Unknown	California	Unknown	2S/3W-23B1						
Irving Elliott	533 Victoria Court	San Leandro	California	94577	2S/3W-23R2						
R. Prinble	10520 Stella Street	Unknown	California	Unknown	2S/3W-21C2						
J. Prontiss	10521 Stella Street	Unknown	California	Unknown	2S/3W-24C4						
H. Brennehan	10600 Stella Street	Unknown	California	Unknown	2S/3W-21B4						
G. Hower	10700 Stella Street	Unknown	California	Unknown	2S/3W-24B2						
Johnson	10731 Mark Street	Unknown	California	Unknown	2S/3W-24B1						
Sam Kee	100' N of Mark Street and 115' West of A Street	San Leandro	California	94577	2S/3W-24B3	Returned Mail					
H. Mathews	10544 Stella Street	Unknown	California	Unknown	2S/3W-24C3						
Sam Kee	106th Avenue	Unknown	California	Unknown	2S/3W-24G1						
A. Bassigian	533 Durant Avenue	San Leandro	California	94577	?						
Joe Bramse	377 Holister Court	San Leandro	California	94577	2S/3W-24N1						
Leda Lucchesi	1079 MacCallom Arthur Blvd.	San Leandro	California	94577	2S/3W-24Q1						
Mrs. Kitchen	2544 109th Avenue	Unknown	California	Unknown	2S/3W-24M1						
John Freitas	Corner of Stella and Malcom Streets	Unknown	California	Unknown	2S/3W-21B2						
L. Cole	Malcom Street	Unknown	California	Unknown	?						
A. Sweasy	1568 Daniel Drive	San Leandro	California	94577	2S/3W-?	Residential	X		Yes	No	No
Rene Viviani	1567 Daniel Drive	San Leandro	California	94577	?						
Tony Yacek	353 Maud Avenue	San Leandro	California	94577	2S/3W-25N1						
O. Johnson	1030 Bancraft	San Leandro	California	94577	2S/3W-25E1						
Brad Jones	1374 Glen Drive	San Leandro	California	94577	2S/3W-25B3	Residential	X		Yes	No	No
Luke Deasy	309 Elsie Street	San Leandro	California	94577	2S/3W-25N3						
George Land	655 Elsie Street	San Leandro	California	94577	2S/3W-25P1						
Arthur Lund	1123 Glen Drive	San Leandro	California	94577	2S/3W-25B1						
Emil Sereda	769 Joaquin Avenue	San Leandro	California	94577	2S/3W-25L5						
James Meyer	745 Joaquin Avenue	San Leandro	California	94577	2S/3W-25L6						
Edmond Saustina	862 Emerald Avenue	San Leandro	California	94577	2S/3W-25Q2						
H. Silliman	465 Dolores Avenue	San Leandro	California	94577	2S/3W-25N2						
Bob Eversole	833 Begier Avenue	San Leandro	California	94577	2S/3W-25D1						
Mike Sturteuant	1400 Morgan Avenue	San Leandro	California	94577	2S/3W-25K4						
Henry Tweed	550 San Leandro Blvd.	San Leandro	California	94577	2S/3W-26F3						
James Mullins	74 Euclid Avenue	San Leandro	California	94577	2S/3W-26G2						
P. Rice	337 Woodland Park	San Leandro	California	94577	2S/3W-26H1						
YaCaliforniak Plumbing Co.	1129 A Street	San Leandro	California	94577	2S/3W-26P4						
Terry Pata	93 Broadmore Blvd.	San Leandro	California	94577	2S/3W-26C3						
Davis Henrichsen	959&961 Karol Way	San Leandro	California	94577	2S/3W-26H4						
Cherry City Nursery	1034 Peralta Avenue	San Leandro	California	94577	2S/3W-26E						
Californialifornia Packing Corporation	48' West of Martinez between Joaquin St./Juana St.	San Leandro	California	94577	2S/3W-26Q2						
C. Flards	91 Broadmoor Blvd.	San Leandro	California	94577	2S/3W-26C2						
Mr. Thomopson	1500 105 Avenue	Unknown	California	Unknown	2S/3W-26L2						
Tom Snedden	730 Woodland Avenue	San Leandro	California	94577	2S/3W-26H3						
Dennis Omick	261 Begier Avenue	San Leandro	California	94577	2S/3W-26H5						