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April 3, 2015

RECEIVED

By Alameda County Environmental Health at 4:06 pm, Apr 03, 2015

Mr. Keith Nowell
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: Preferential Pathway Survey Report
Former Exxon RAS #70234
3450 35th Avenue, Oakland, California
ACHCSA File No. RO0002515

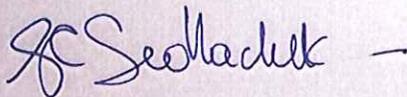
Dear Mr. Nowell:

Attached for your review and comment is a copy of the *Preferential Pathway Survey Report* for the above-referenced site. The document, prepared by ETIC Engineering, Inc. of Pasadena, California, is submitted in response to correspondence from the Alameda County Health Care Services Agency dated March 22, 2013.

Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

If you have any questions or comments, please contact me at 510.547.8196.

Sincerely,

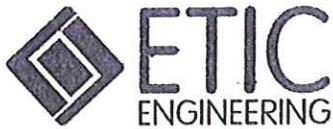


Jennifer C. Sedlachek
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Attachment: ETIC Preferential Pathway Survey Report

c: w/ attachment:
Mr. Zack Spencer, FWS Highland LLC, 99 South Hill Drive, Brisbane, CA 94005
Mr. Shay Wideman, The Valero Companies, Environ. Liability Mgt., P.O. Box 696000, San Antonio, TX 78269

c: w/o attachment:
Mr. Sean Bowen - ETIC Engineering, Inc.



Preferential Pathway Survey Report

**Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California**

Prepared for

ExxonMobil Oil Corporation

Prepared by

ETIC Engineering, Inc.
898 North Fair Oaks Avenue, Suite A
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Karina Gillette
Staff Geologist

April 3, 2015

Date

Sean Bowen
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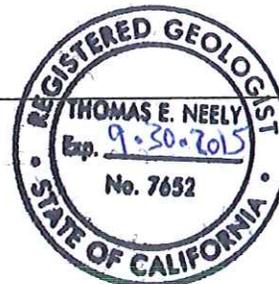
April 3, 2015

Date

Thomas E. Neely, PG, CHG, QSD
Senior Hydrogeologist

April 3, 2015

Date



April 2015

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Former Exxon Service Station 70234

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SITE CONTACTS

Site Name: Former Exxon Service Station 70234

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Oakland, California

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1.0 INTRODUCTION

At the request of ExxonMobil Environmental Services Company on behalf of ExxonMobil Oil Corporation (ExxonMobil), ETIC Engineering, Inc. (ETIC) has prepared this Preferential Pathway Survey Report for Former Exxon Service Station 70234, located at 3450 35th Avenue in Oakland, California (Figures 1 and 2).

In email correspondence dated 22 March 2013, the Alameda County Health Care Services Agency (ACHCSA) requested that a preferential pathway survey be performed. This Preferential Pathway Survey Report also includes a survey of wells within 2,000 feet of the site. Regulatory correspondence is included in Appendix A.

This report documents the results of the preferential pathway survey, evaluating subsurface utility lines, utility vaults, and trenches within the site vicinity. The report also presents a summary of potential sensitive receptors such as water supply wells and surface water within a search radius of 2,000 feet from the perimeter of the site.

2.0 SITE BACKGROUND

2.1 SITE LOCATION AND LAND USE

Former Exxon Service Station 70234 is located at 3450 35th Avenue in Oakland, California. The site is situated on the eastern corner of the intersection of 35th Avenue and Quigley Street (Figures 1 and 2). Residential properties are northwest of the site across 35th Avenue and adjacent to the site on the northeastern and southeastern sides. An active Chevron service station is located southwest of the site across Quigley Street.

An Exxon-branded service station was operated at the site and then sold to Valero Energy Corporation (Valero) in 2000. The underground fueling systems were removed in 2002; however, the station building and canopy remained at the site. The site is currently unoccupied and the perimeter is surrounded by a fence. The former underground storage tank (UST) excavation was reportedly filled with gravel and resurfaced (Cardno ERI 2012a).

The site topography slopes generally to the southwest toward San Francisco Bay. The site is located approximately 2 miles northeast of the Oakland Estuary, which connects to San Francisco Bay. The nearest surface water is Peralta Creek, which flows to the southwest (toward San Francisco Bay) and passes within approximately 600 feet northwest and cross-gradient of the site (Figure 1).

2.2 UNDERGROUND STORAGE TANKS AND HYDRAULIC LIFTS

In August 1991, three 8,000-gallon gasoline USTs were excavated and removed from the site and were replaced with three 12,000-gallon gasoline USTs (Alton Geoscience 1992). In June 1997, one 500-gallon used-oil UST and two hydraulic hoists were removed from the site (ACHCSA 2000). In 2002, the three 12,000-gallon gasoline USTs and associated product piping were excavated and removed from the site (TRC 2002). The former UST excavation and product piping trenches were reportedly filled with gravel (Cardno ERI 2012a).

2.3 SUMMARY OF PREVIOUS INVESTIGATIONS

Various investigations were performed from 1986 to 2000 as part of the initial environmental case for the site. The sampling locations are shown on Figure 2. Data for soil samples are presented in Tables 1 and 2. Groundwater monitoring data are presented in Tables 3 and 4. Soil vapor sampling analytical results are presented in Table 5. Soil borings B1 through B10, EB1, EB2, SB1, and SB2 were drilled and groundwater monitoring wells MW1 through MW3 were installed (Alton Geoscience 1991) (IT 1992) (Cardno ERI 2012a). Total Petroleum Hydrocarbons quantified as gasoline (TPH-g) and benzene were detected in soil samples from the borings at concentrations up to 440 milligrams per kilogram (mg/kg) and 0.7 mg/kg, respectively (boring B3 at 15.5 feet below ground surface [bgs]). TPH-g, benzene, and methyl tertiary butyl ether (MTBE) were detected in groundwater samples at concentrations up to 75.0

micrograms per liter ($\mu\text{g/L}$), 6.6 $\mu\text{g/L}$, and 1.87 $\mu\text{g/L}$, respectively (Cardno ERI 2012a). The ACHCSA closed the environmental case for the site, and the groundwater monitoring wells were subsequently destroyed in 2000 (ERI 2000).

In March 2007, the ACHCSA opened an environmental case for the site based upon the discovery of MTBE in groundwater samples collected from the UST excavation during removal of the tanks in 2002 (Cardno ERI 2012a).

In September and November 2007, Environmental Resolutions, Inc. (ERI) observed the drilling of borings B11 through B18 (ERI 2007). In March 2009, ERI observed the drilling of borings B19 through B21 and the installation of groundwater monitoring wells MW4 through MW9 (ERI 2009). TPH-g, benzene, toluene, ethylbenzene, xylenes, MTBE, tertiary butyl alcohol (TBA), and 1,2-dichloroethane (1,2-DCA) were detected in soil samples collected from the borings at concentrations up to 300 mg/kg (B15 at 20 feet bgs), 6.1 mg/kg (B15 at 20 feet bgs), 36 mg/kg (B15 at 20 feet bgs), 14 mg/kg (B15 at 20 feet bgs), 72 mg/kg (B15 at 20 feet bgs), 1.7 mg/kg (B17 at 35.5 feet bgs), 0.70 mg/kg (B18 at 35 feet bgs), and 0.011 mg/kg (B15 at 15.5 feet bgs), respectively. TPH-g, benzene, toluene, ethylbenzene, xylenes, MTBE, and TBA were detected at concentrations up to 18,000 $\mu\text{g/L}$, 3,400 $\mu\text{g/L}$, 2,500 $\mu\text{g/L}$, 330 $\mu\text{g/L}$, 2,000 $\mu\text{g/L}$, 12,000 $\mu\text{g/L}$, and 1,900 $\mu\text{g/L}$, respectively, in the grab groundwater sample collected at 38 feet bgs from boring B15, situated near the southeastern edge of the former UST excavation (Cardno ERI 2012a).

In December 2011, Cardno ERI observed the installation of recovery well RW1 at the site. The purpose of installing well RW1 was to conduct feasibility testing, including a step-drawdown and a constant-rate groundwater pumping test to evaluate whether groundwater extraction and treatment would be a viable remediation strategy. TPH-g was detected at 440 mg/kg in the soil sample collected at 40 feet bgs from the boring for well RW1 (Cardno ERI 2012a).

In February 2012, Cardno ERI performed a step-drawdown pumping test and attempted subsequent constant-rate pumping tests in well RW1. The tests indicated a sustainable pumping rate of no more than 0.2 gallons per minute. The data also yielded a corresponding transmissivity of 197.1 gallons per day per foot (gpd/ft), a storativity (specific yield) of 0.016, and a hydraulic conductivity of 5.8×10^{-4} centimeters per second (cm/sec). Based upon the data, the anticipated downgradient extent of the capture zone was approximately 14.5 feet and the anticipated cross-gradient extent of the capture zone was approximately 45 feet. Based upon the findings of the feasibility test, Cardno ERI indicated that groundwater extraction and treatment would not be an effective remedial alternative for the site (Cardno ERI 2012b).

In April 2014, ETIC observed the installation of five soil vapor monitoring wells (V1 through V5), the advancement of three cone penetrometer testing (CPT) borings (H1-CPT, H2-CPT, and H3-CPT), and the collection of soil and groundwater samples from 8 Hydropunch and direct push borings (H1-70, H1-95, H1-S, H2-62, H2-80, H3-65, H3-90, and H3-S) at the site. The purpose of the investigation was to assess the risk to potential receptors via vapor intrusion and

inhalation and to further assess the vertical extent of petroleum hydrocarbons and MTBE in the area of the former UST system excavations. TBA was detected in the grab groundwater samples collected from Hydropunch borings H1-70 and H1-95 at concentrations of 18 and 11 µg/L, respectively (ETIC 2014).

Quarterly groundwater monitoring was performed at the site from 1992 to 1995. Groundwater monitoring was also performed once in 1999. Non-aqueous-phase liquid (NAPL) was not detected. TPH-g, benzene, toluene, ethylbenzene, and xylenes (BTEX), and MTBE were detected in groundwater samples collected from monitoring wells MW1 (located west of the UST area) and MW3 (located upgradient of the fueling system). Groundwater monitoring wells MW1 through MW3 were destroyed in 2000 when the ACHCSA closed the initial environmental case for the site (Cardno ERI 2012a).

Groundwater monitoring wells MW4 through MW9 have been monitored since March 2009. The highest concentrations of TPH-g, BTEX, and MTBE have been detected in samples collected from wells MW5 (located southeast of the former UST excavation), MW6 (located southwest of the former UST excavation), and RW1 (located inside the former UST excavation).

2.4 SUMMARY OF PREVIOUS REMEDIAL MEASURES

In 1991, approximately 1,200 cubic yards of fill material and soil were excavated when the gasoline USTs, dispensers, and product piping were removed and the excavation was enlarged to accommodate the larger replacement USTs. TPH-g and benzene were detected at concentrations up to 5 mg/kg and 0.36 mg/kg, respectively, in soil samples collected from the limits of the enlarged excavation (Cardno ERI 2012a).

In June 1997, one 500-gallon used-oil UST and two hydraulic hoists were removed from the site (ACHCSA 2000). Hydraulic oil was detected in the soil samples collected from the hydraulic lift excavations at concentrations up to 2,100 mg/kg. Total Petroleum Hydrocarbons quantified as motor oil (TPH-mo), diesel (TPH-d), TPH-g, toluene, ethylbenzene, and xylenes were detected in the soil sample collected from the used-oil UST excavation at 680 mg/kg, 200 mg/kg, 8.6 mg/kg, 0.038 mg/kg, 0.016 mg/kg, and 0.046 mg/kg, respectively.

In 2002, approximately 170 cubic yards of pea gravel and soil were excavated during removal of the 12,000-gallon USTs (Cardno ERI 2012a). Four soil samples were collected from the sidewalls of the UST excavation. TPH-g, BTEX, and MTBE were not detected in the samples. Four soil samples were collected beneath the product piping. TPH-g, BTEX, and MTBE were not detected in three of the four samples. TPH-g (24 mg/kg), benzene (0.057 mg/kg), toluene (0.11 mg/kg), ethylbenzene (0.12 mg/kg), total xylenes (1.2 mg/kg), and MTBE (0.020 mg/kg) were detected in soil sample B collected at approximately 4.9 feet bgs beneath the northeastern dispenser island (Cardno ERI 2012a).

3.0 GEOLOGY AND HYDROGEOLOGY

3.1 REGIONAL GEOLOGY AND HYDROGEOLOGY

The site is located in the East Bay Plain Subbasin of the Santa Clara Valley Groundwater Basin. The East Bay Plain Subbasin is a northwest trending alluvial plain bounded on the north by San Pablo Bay, on the east by the contact with Franciscan Basement rock, and on the south by the Niles Cone Groundwater Basin. The East Bay Plain Subbasin extends beneath San Francisco Bay to the west. Numerous creeks including San Pablo Creek, Wildcat Creek, San Leandro Creek, and San Lorenzo Creek flow from the western slope of the Coast Ranges westward across the plain and into San Francisco Bay. The East Bay Plain Subbasin aquifer system consists of unconsolidated deposits of Quaternary age. Deposits include the early Pleistocene Santa Clara Formation, the late Pleistocene Alameda Formation, the early Holocene Temescal Formation, and Artificial Fill. The cumulative thickness of the unconsolidated deposits is about 1,000 feet (DWR 2003).

Early Pleistocene Santa Clara Formation

The Santa Clara Formation consists of alluvial fan deposits inter-fingered with lake, swamp, river channel, and flood plain deposits. The formation ranges from 300 to 600 feet thick (DWR 2003).

Late Pleistocene Alameda Formation

The Alameda Formation includes a sequence of alluvial fan deposits. The formation was deposited primarily in an estuarine environment and ranges from 26 to 245 feet thick (DWR 2003).

Early Holocene Temescal Formation

The Temescal Formation is an alluvial deposit consisting primarily of silt and clay with some gravel layers. The formation ranges from 1 to 50 feet thick (DWR 2003).

Artificial Fill

Artificial fill is found mostly along the bay front and wetlands areas and is derived primarily from dredging as well as quarrying, construction, demolition debris, and municipal waste. The fill ranges in thickness from 1 to 50 feet with the thickest deposits found closer to San Francisco Bay (DWR 2003).

3.2 LOCAL GEOLOGY AND HYDROGEOLOGY

The geologic and hydrogeologic characteristics of the site have been evaluated using data from boring logs from previous site investigations. Soil beneath the site generally consists of clayey sand and sandy clay with varying amounts of silt and gravel to approximately 45 feet bgs (Cardno ERI 2012a). Silty clay and silty sand were encountered at approximately 54 feet bgs in borings H1-S and H3-S. The CPT logs indicate several intervals of very dense/stiff soil to the total depth investigated (approximately 100 feet bgs) and several intervals were noted as sandy silt and clayey silt (ETIC 2014a).

Groundwater has been first encountered in the soil borings at depths ranging from approximately 29 to 38 feet bgs. The depth to groundwater measured in wells at the site during the November 2014 monitoring event was approximately 32.5 to 37 feet bgs. However, historical data indicate that depth to groundwater levels have been measured as shallow as approximately 25.4 feet bgs in site wells. Historical data also indicate that the predominant direction of groundwater flow beneath the site is to the southwest at a horizontal hydraulic gradient of approximately 0.0092 to 0.02 foot/foot (ETIC 2014b).

4.0 PREFERENTIAL PATHWAY SURVEY

4.1 CONDUIT EVALUATION

Subsurface utilities and trenches in the vicinity of the site were evaluated using maps provided by Pacific Gas and Electric Company (PG&E), the City of Oakland, and the East Bay Municipal Utility District (EBMUD), field utility mark-outs by Underground Service Alert (USA) member companies, and a geophysical survey conducted in November 2014.

During the geophysical survey conducted in November 2014, the entire site and the sidewalk on the perimeter of the site were surveyed using metal detector, ground-penetrating radar (GPR), and electromagnetic line locating methods. The field crew could not gain access to the onsite building; therefore, the interior of the building could not be surveyed. Copies of the provided utility maps are included in Appendix B, and the approximate locations of identified subsurface utilities are shown on Figure 3.

4.1.1 Natural Gas Lines

A utility map provided by PG&E shows gas main lines beneath the northwestern side of 35th Avenue and northeastern side of Quigley Street (PG&E 2014). A lateral gas line extends northeast from the main line beneath Quigley Street approximately 95 feet into the site. The presence of the lateral gas line was confirmed by the USA mark-out. Based upon a telephone conversation with PG&E personnel on 18 February 2015, the range of standard depths of the main gas lines is generally 12 to 60 inches bgs (PG&E 2015). The PG&E utility map is confidential and is not included in this report.

4.1.2 Electric Lines

A utility map provided by PG&E shows underground electric main lines beneath the northeast bound lanes of and both sidewalks along 35th Avenue, and a lateral underground electric line extending from the line under the sidewalk adjacent to the site to the onsite building (PG&E 2014). USA mark-outs and the November 2014 geophysical survey did not identify a lateral electrical line beneath the site; however, two other electrical lines approximately 1 foot bgs were identified crossing from the former station building to the canopy and to onsite street lighting. Based upon a telephone conversation with PG&E personnel on 18 February 2015, the range of standard depths of the main electric lines is generally 12 to 60 inches bgs (PG&E 2015). The PG&E utility map is confidential and is not included in this report.

4.1.3 Sanitary Sewer Lines and Storm Water Sewer Lines

A utility map provided by the City of Oakland (City of Oakland 2015) shows sanitary sewer and storm water pipelines in the site vicinity.

A 15-inch diameter vitrified sanitary sewer pipeline is situated at a depth of approximately 5 to 7 feet bgs beneath and parallel to 35th Avenue. The 15-inch pipeline intersects with an 8-inch diameter vitrified sanitary sewer line beneath the approximate centerline of Quigley Street. An 8-inch diameter vitrified sanitary sewer lateral extends northeast from the main line beneath Quigley Street along the entire southeastern boundary of the property and is situated at a depth of approximately 3 to 7 feet bgs. A sanitary cleanout (UV13) was identified at the site during the geophysical survey conducted in November 2014. A sanitary sewer lateral, however, was not identified during the survey nor marked by USA.

A 15-inch diameter, vitrified or concrete storm water sewer line is situated at a depth of approximately 7 to 9 feet bgs beneath and parallel to 35th Avenue on the northwestern side of the street. No storm water catch basins are indicated adjacent to the site on the utility map, nor were any identified during the November 2014 utility vault survey.

The depths of the sanitary sewer and storm water sewer lines are estimated based on the City of Oakland utility map and top of the casing elevation of the nearby monitoring wells at the site with a correction from one datum to the other provided by the City of Oakland (Appendix B).

4.1.4 Municipal Water Lines

A utility map provided by EBMUD shows a 30-inch diameter steel municipal water main line beneath and parallel to Quigley Street at a depth of approximately 52 to 82 inches bgs. A 12-inch cast iron main water line is located beneath 35th Avenue at a depth of approximately 47 to 78 inches bgs and intersects with a 6-inch diameter cast iron lateral that connects to a fire hydrant at the western corner of the site. A utility map also shows a 4-inch cast iron line beneath and parallel to Quigley Street; however, in subsequent correspondence EBMUD indicated that the pipe had been removed from service. The water lateral for the property intersects with the 12-inch main line and enters the site along the northwestern property boundary. The location of the water lateral line was confirmed during the November 2014 geophysical survey at a depth of approximately 1.5 feet bgs. The depths of the municipal water mains are based on information provided by EBMUD in construction drawings provided in January 2015 since the depths were not available on the utility map provided by the agency (EBMUD 2014). The utility map and construction drawings are confidential and are not included in this report.

4.1.5 Communication Lines

American Telephone & Telegraph (AT&T) and Comcast did not provide the requested information about locations of their utilities during interviews on 22 December 2014 and 14 January 2015. USA mark-outs indicate a telecommunications line located beneath the site near the northern corner extending to the building, two additional telecommunications lines located beneath and parallel to the southeastern sidewalk of 35th Avenue adjacent to the site, and another line located adjacent to the site, beneath and parallel to Quigley Street. The lines were confirmed during the November 2014 geophysical survey at a depth of approximately 2 feet bgs.

4.1.6 Trenches

During the geophysical survey conducted in November 2014, two trenches were visually identified in and parallel to Quigley Street. One trench was identified onsite southwest of the former station building between a traffic box labeled “anode” and vertical vent lines extending up the wall near the southeastern property line.

In November 2014, groundwater was encountered at the site at depths between approximately 32.5 and 37 feet bgs. The depth to groundwater was greater than the approximate depths of the identified subsurface utilities in the site vicinity (ETIC 2014a).

At most locations, petroleum hydrocarbons have historically been detected in soil beneath and in the immediate vicinity of the former gasoline UST systems, former used-oil tank, and the hydraulic lift excavations at depths ranging from approximately 11 to 40 feet bgs. Relatively low concentrations of TPH-g and BTEX (e.g., TPH-g up to 24 mg/kg and benzene up to 0.057 mg/kg at approximately 4.9 feet bgs) were also detected in shallow soil in some areas. However, results of the most recent investigation indicate that petroleum hydrocarbon constituents were not detected in soil samples collected from depths ranging from approximately 3 to 7 feet bgs near the former dispenser islands, gasoline USTs, and used-oil UST (ETIC 2014a).

4.2 UTILITY VAULTS

A reconnaissance of the site was conducted in November 2014 to identify subgrade utility vaults onsite and adjacent to the site. Thirteen subgrade utility vaults (UV) were identified. A telecommunications vault (UV1) is located in the sidewalk on 35th Avenue near the northern corner of the site. One telecommunications manhole and one unmarked manhole (UV2 and UV3) are located in the northeastbound lanes of 35th Avenue. One electric vault (UV4) and one EBMUD vault (UV5) are located in the sidewalk along 35th Avenue. Two electrical vaults (UV6 and UV7), a water vault (UV8), a PG&E gas vault (UV9), and an EBMUD vault (UV10) are located offsite near the western corner of the site. Two sanitary sewer manholes (UV11 and UV12) are located offsite in the intersection of 35th Avenue and Quigley Street and in Quigley Street near the southern corner of the site, respectively. A sanitary sewer cleanout (UV13) was identified onsite near the southern corner of the building. The approximate locations of utility vaults UV1 through UV13 are shown on Figure 3 and are listed in Table 1.

The identified utility vaults were evaluated for potential human entry during the November 2014 site reconnaissance. Only utility vaults UV2, UV3, UV11, and UV12 were potentially large enough for human entry. These vaults were in high-traffic areas and were therefore not opened during the geophysical survey to determine their depth.

4.3 WELL SURVEY

A survey of the wells within a 2,000-foot radius of the site was conducted in December 2014. Municipal and private wells, including domestic wells, irrigation wells, industrial wells, and

cathodic protection wells of all active, inactive, abandoned, and decommissioned status, were included in the survey. A total of 65 monitoring wells, geophysical exploration wells/borings, vapor extraction wells, recovery wells, and test wells were identified within the search radius; however, these wells were not included in the survey.

Well information was obtained from the EDR Radius Map Report, the California Department of Water Resources (DWR), and the Alameda County Public Works Agency (ACPWA). The EDR records did not indicate any water supply wells located within 2,000 feet of the site.

Two wells were identified within 2,000 feet of the site: one irrigation well of unknown status and one cathodic protection well of unknown status. The irrigation well is located approximately 675 feet west-southwest of the site (downgradient), one cathodic protection well is located approximately 150 feet northeast of the site (upgradient). In addition to the agency research, another cathodic protection well was visually identified near the western corner of the site. Information for the identified wells is summarized in Table 7. The approximate well locations are shown on Figure 4.

The EDR reports a Community Water System at Riverbank Mobile Home, approximately 0.5 mile north and upgradient to cross-gradient of the site. Relevant sections of the EDR report are included in Appendix C.

5.0 SUMMARY AND CONCLUSIONS

ETIC performed a preferential pathway survey, which included a well search within a 2,000-foot radius of the site. Well records provided by the ACPWA, DWR, and EDR, and utility maps and USA mark-outs were reviewed as part of the survey. The results of a geophysical survey conducted at the site and field reconnaissance of the site vicinity were also used to locate utilities. The following summarizes the results of the survey:

- In November 2014, groundwater was encountered in groundwater monitoring wells at the site at depths between approximately 32.5 feet bgs and 37 feet bgs.
- Four round utility vaults (UV2, UV3, UV11, and UV12) in 35th Avenue and Quigley Street are potentially large enough to be entered by a human.
- Based upon site-specific data and information obtained for the preferential pathway survey, the depth to groundwater and depth to the main residual petroleum hydrocarbons in soil appear to be greater than the depth of the identified utilities surrounding the site.
- The well survey identified three wells located within 2,000 feet of the site. One cathodic protection well is located onsite. The closest offsite well (a cathodic protection well) is located approximately 150 feet northeast and upgradient of the site. The second offsite well (an irrigation well) is located approximately 675 feet downgradient of the site.
- The closest surface water body, Peralta Creek, is located approximately 600 feet northwest and cross-gradient of the site.

6.0 REFERENCES

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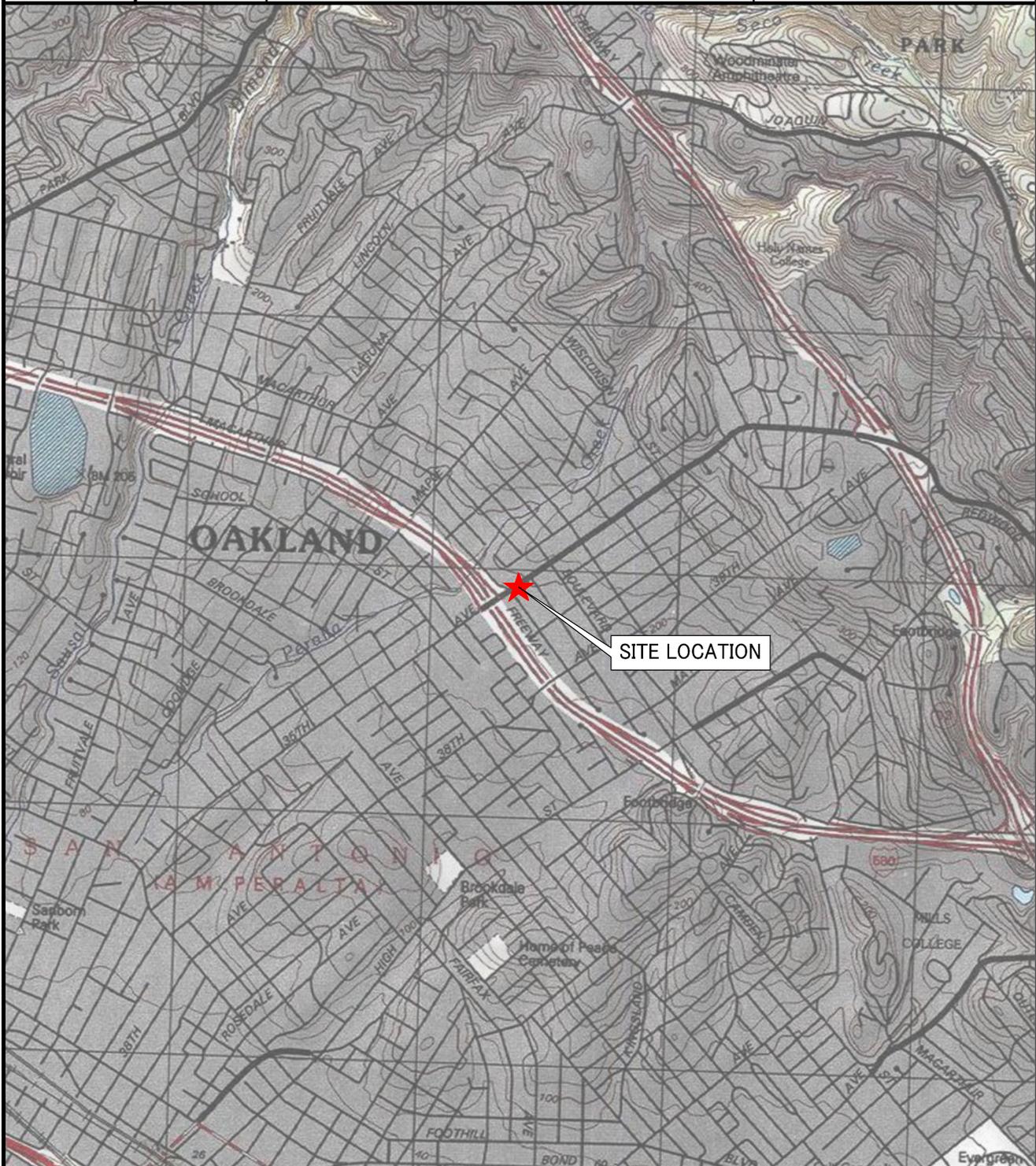
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Figures

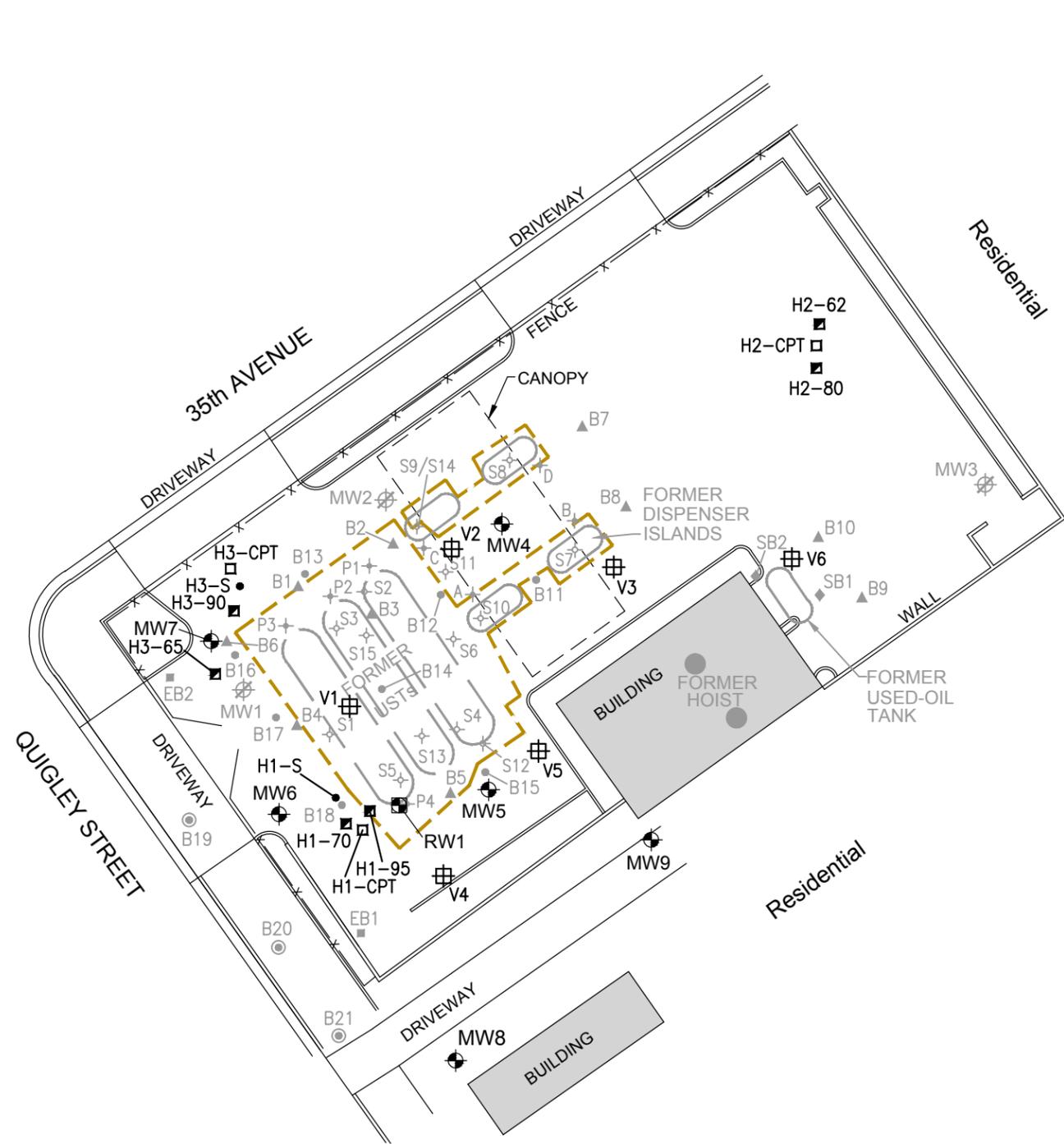
		<p>COORDINATE SYSTEM: NAD 1983 HARN CALIFORNIA TEALE ALBERS PROJECTION: ALBERS DATUM: NORTH AMERICAN 1983 HARN FALSE EASTING: 0.0000 FALSE NORTHING: -4,000,000.0000 CENTRAL MERIDIAN: -120.0000 STANDARD PARALLEL 1: 34.0000 STANDARD PARALLEL 2: 40.5000 LATITUDE OF ORIGIN: 0.0000 UNITS: METER</p>	<p>0 1000 2000 Feet 1 inch = 2,000 feet</p>
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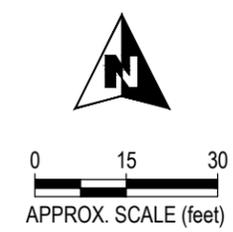
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<p>898 NORTH FAIR OAKS AVE. SUITE A PASADENA, CA 91103 (626) 432-5999</p>	15-070234-UP	EXXONMOBIL OIL CORPORATION		
	OR: KG	SITE LOCATION AND TOPOGRAPHIC MAP		
	DR: AJW	FORMER EXXON SERVICE STATION 70234		
	CK: FR:	3450 35th AVENUE OAKLAND, CALIFORNIA		FIGURE: 1

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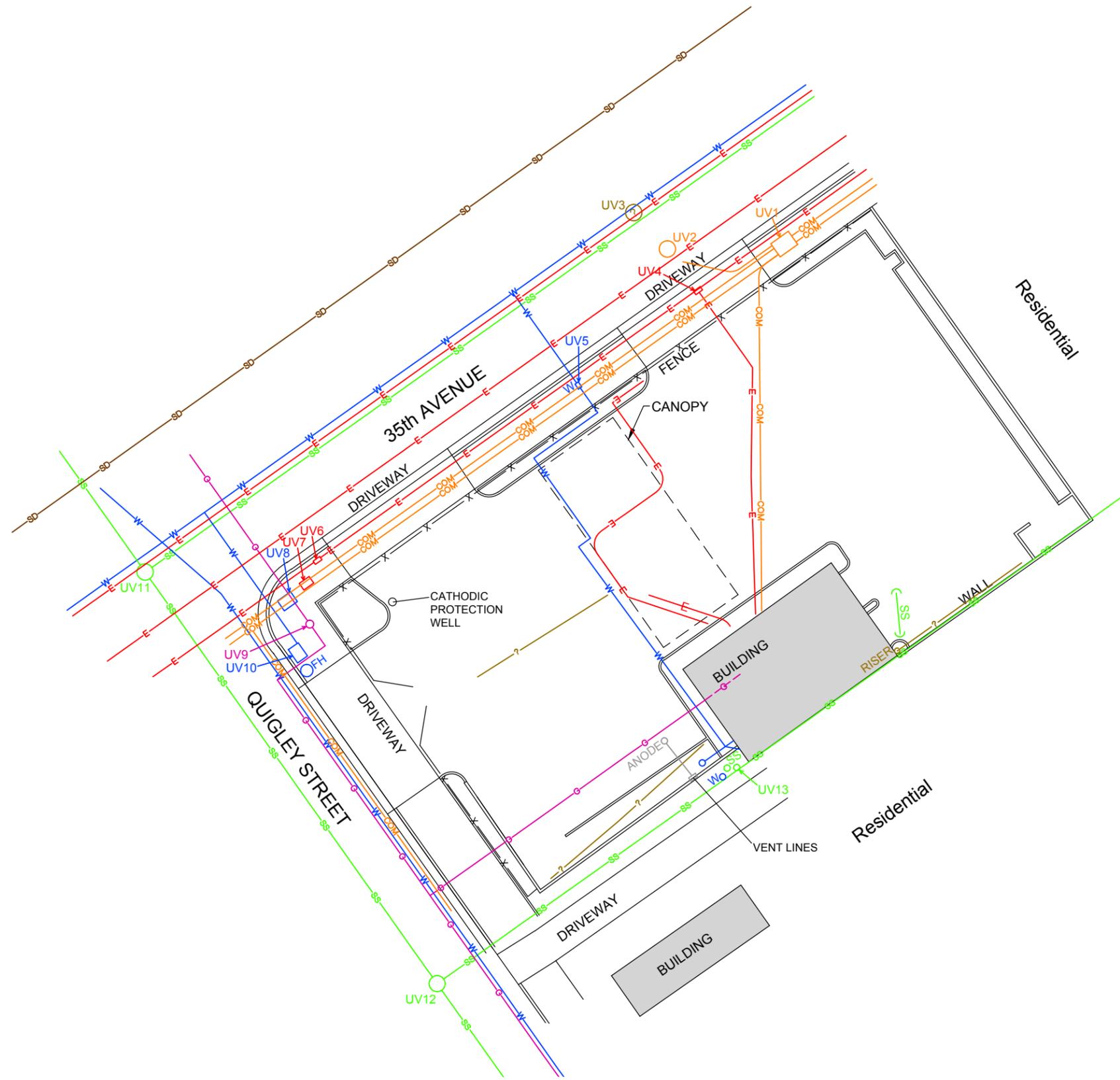
- LEGEND:**
- EXCAVATED AREA
 - GROUNDWATER MONITORING WELL
 - GROUNDWATER MONITORING WELL (by others)
 - DESTROYED GROUNDWATER MONITORING WELL
 - GROUNDWATER RECOVERY WELL
 - V1 SOIL VAPOR MONITORING WELL
 - H3-CPT CONE PENETROMETER TESTING BORING
 - H3-65 HYDROPUNCH GROUNDWATER SAMPLING LOCATION (WITH DEPTH BELOW GROUND SURFACE NOTED)
 - H3-S SOIL BORING
 - SOIL BORING (GTI, 1986)
 - SOIL BORING (HLA, 1988)
 - SOIL BORING (Alton, 1991)
 - SOIL SAMPLE (Alton, 1991)
 - SOIL SAMPLE (TRC, 2002)
 - SOIL BORING (ERI, 2007)
 - SOIL BORING (ERI, 2009)



ETIC ENGINEERING
 898 NORTH FAIR OAKS AVE.
 SUITE A
 PASADENA, CA 91103
 (626) 432-5999

15-070234-UP	EXXONMOBIL OIL CORPORATION	
OR: KG	SITE MAP SHOWING SAMPLING LOCATIONS	
DR: AJW	FORMER EXXON SERVICE STATION 70234	FIGURE:
CK:	3450 35th AVENUE	2
FR:	OAKLAND, CALIFORNIA	

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LEGEND:

- E — ELECTRIC
- G — GAS
- COM — TELEPHONE/TELECOM
- SS — SANITARY SEWER
- SD — STORM DRAIN
- W — WATER
- ? — UNKNOWN

DASHED WHERE INFERRED

UV UTILITY VAULT

FH FIRE HYDRANT

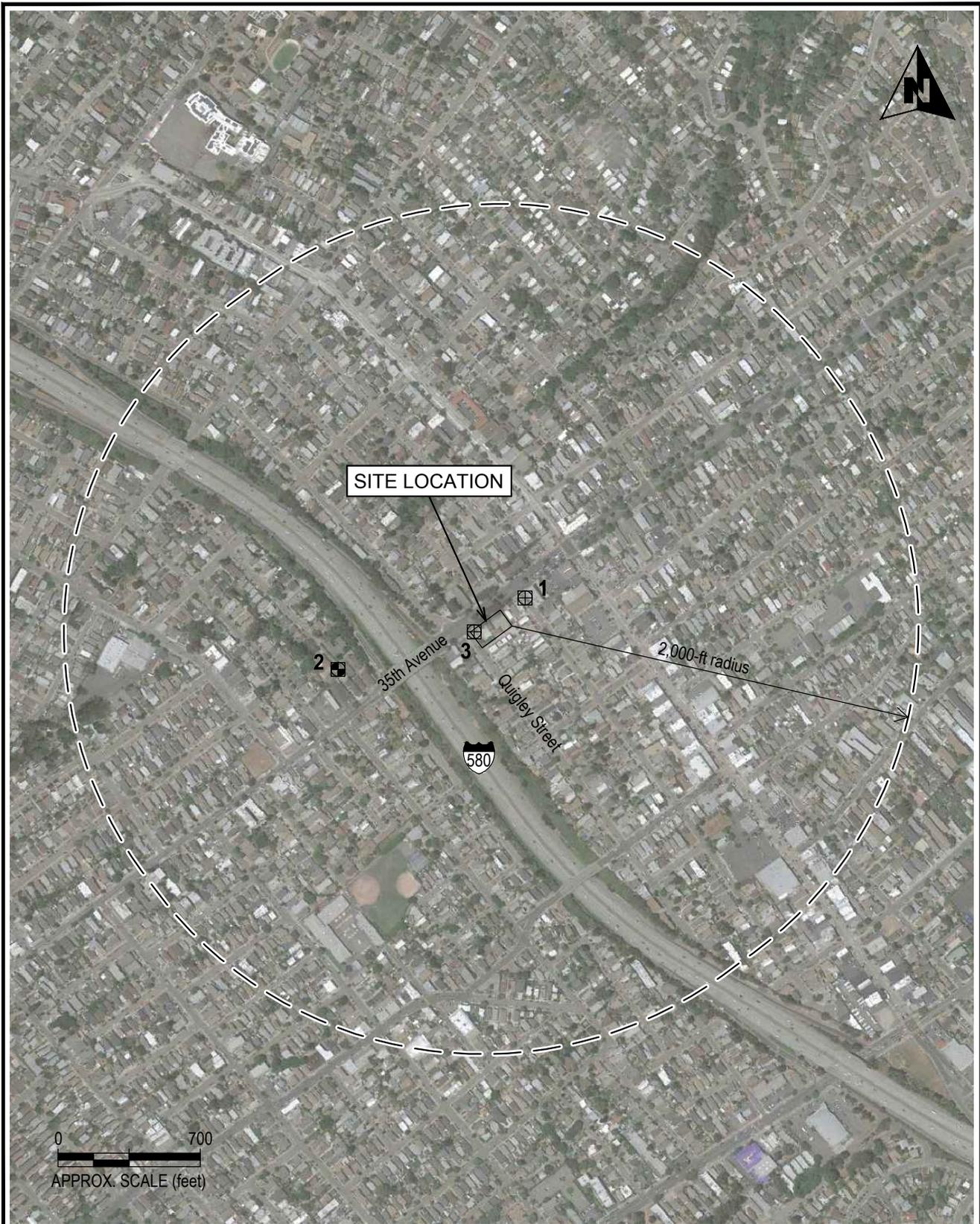
NOTE:

UTILITY LOCATIONS SHOWN ARE SKETCHED APPROXIMATIONS FROM RECORD SCHEMATICS AND DO NOT REPRESENT VERIFIED ALIGNMENTS. OTHER UTILITIES MAY EXIST IN THE AREA.



898 NORTH FAIR OAKS AVE.
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(626) 432-5999

15-070234-UP	EXXONMOBIL OIL CORPORATION	
	SITE MAP SHOWING SUBSURFACE UTILITIES AND VAULTS	
OR: KG	FORMER EXXON SERVICE STATION 70234	FIGURE:
DR: AJW	3450 35TH AVENUE	3
CK:	OAKLAND, CALIFORNIA	
FR:		



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0 700
 APPROX. SCALE (feet)

Legend:

-  Irrigation Well
-  Cathodic Protection Well



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 (626) 432-5999

15-070234-UP

OR: KG

DR: AJW

CK:

FR:

EXXONMOBIL OIL CORPORATION

**WELL SURVEY MAP
 FORMER EXXON SERVICE STATION 70234
 3450 35th AVENUE**

OAKLAND, CALIFORNIA

FIGURE:

4

Tables

TABLE 1 CUMULATIVE SOIL ANALYTICAL RESULTS, FORMER EXXON SERVICE STATION 70234, 3450 35TH AVENUE, OAKLAND, CALIFORNIA

Sample ID	Sampling Date	Depth (feet bgs)	TPH-g (mg/kg)	Kerosene (mg/kg)	TPH-d (mg/kg)	TPH-mo (mg/kg)	EHC-HO (mg/kg)	TOG (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	Lead (mg/kg)	
Used-Oil UST Confirmation Soil Sample															
T1-12	06/18/97	---	8.6a	---	200b	680c	---	---	ND	0.038	0.016	0.046	---	8.8	
Hydraulic Hoist Confirmation Samples															
H1-8	06/18/97	---	---	---	---	---	99d	---	---	---	---	---	---	---	
H2-8	06/18/97	---	---	---	---	---	2,100d	---	---	---	---	---	---	---	
Samples from the UST Cavity Sidewall															
Pit1@12'	06/14/02	12	<1.0	---	---	---	---	---	<0.005	<0.005	<0.005	<0.005	<0.005	---	
Pit2@11.5'	06/14/02	11.5	<1.0	---	---	---	---	---	<0.005	<0.005	<0.005	<0.005	<0.005	---	
Pit3@11'	06/14/02	11	<1.0	---	---	---	---	---	<0.005	<0.005	<0.005	<0.005	<0.005	---	
Pit4@10'	06/14/02	10	<1.0	---	---	---	---	---	<0.005	<0.005	<0.005	<0.005	<0.005	---	
Samples from Beneath Product Piping															
A-6.4	06/25/02	6.4	<1.0	---	---	---	---	---	<0.005	<0.005	<0.005	<0.005	<0.005	---	
B-4.9	06/25/02	4.9	24	---	---	---	---	---	0.057	0.11	0.12	1.2	0.020	---	
C-6.5	06/25/02	6.5	<1.0	---	---	---	---	---	<0.005	<0.005	<0.005	<0.005	<0.005	---	
D-5.2	06/25/02	5.2	<1.0	---	---	---	---	---	<0.005	<0.005	<0.005	<0.005	<0.005	---	
Soil Samples from 1991 UST Excavation															
S-1	08/28/91	10	<1.0	---	---	---	---	---	<0.005	<0.005	<0.005	<0.005	---	<5	
S-2	08/28/91	10	<1.0	---	---	---	---	---	<0.005	<0.005	<0.005	<0.005	---	<5	
S-3	08/28/91	10	<1.0	---	---	---	---	---	<0.005	<0.005	<0.005	<0.005	---	<5	
S-4	08/28/91	10	290	---	---	---	---	---	2.8	6.5	5.2	27	---	<5	
S-5	08/28/91	10	3.5	---	---	---	---	---	0.27	0.096	0.064	0.32	---	<5	
S-6	08/28/91	11	4.1	---	---	---	---	---	0.19	0.13	0.056	0.23	---	<5	
S-7	08/28/91	3	4.0	---	---	---	---	---	0.66	0.040	0.11	0.13	---	<5	
S-8	08/28/91	3	<1.0	---	---	---	---	---	<0.005	<0.005	<0.005	<0.005	---	<5	
S-9	08/28/91	3	210	---	---	---	---	---	1.4	7.2	3.0	18	---	<5	
S-10	08/28/91	3	<1.0	---	---	---	---	---	<0.005	0.031	0.029	0.067	---	<5	
S-11	08/28/91	1.5	<1.0	---	---	---	---	---	<0.005	<0.005	<0.005	<0.005	---	<5	
S-12	08/28/91	15	3.1	---	---	---	---	---	0.36	0.048	0.052	0.16	---	---	
S-13	08/28/91	15	1.8	---	---	---	---	---	0.26	0.008	0.009	0.041	---	---	
S-14	08/28/91	4	5.0	---	---	---	---	---	0.047	0.063	0.009	0.041	---	---	
S-15	08/28/91	15	<1.0	---	---	---	---	---	<0.005	<0.005	<0.005	<0.005	---	---	
Soil Borings															
B-1	3/20/91	15.5	<1.0	---	---	---	---	---	0.011	0.007	0.011	0.04	---	---	
B-1	3/20/91	20.5	<1.0	---	---	---	---	---	0.012	0.007	0.01	0.04	---	---	
B-2	3/20/91	15.5	<1.0	---	---	---	---	---	0.036	0.026	0.012	0.055	---	---	
B-2	3/20/91	20.5	<1.0	---	---	---	---	---	0.0073	0.0063	0.0098	0.038	---	---	

TABLE 1 CUMULATIVE SOIL ANALYTICAL RESULTS, FORMER EXXON SERVICE STATION 70234, 3450 35TH AVENUE, OAKLAND, CALIFORNIA

Sample ID	Sampling Date	Depth (feet bgs)	TPH-g (mg/kg)	Kerosene (mg/kg)	TPH-d (mg/kg)	TPH-mo (mg/kg)	EHC-HO (mg/kg)	TOG (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	Lead (mg/kg)
B-3	3/20/91	10.5	1	---	---	---	---	---	0.006	0.006	0.008	0.036	---	---
B-3	3/20/91	15.5	440	---	---	---	---	---	0.7	5.4	4.7	24	---	---
B-4	3/20/91	10.5	5	---	---	---	---	---	0.013	0.019	0.014	0.082	---	<5
B-4	3/20/91	15.5	6.6	---	---	---	---	---	0.039	0.043	0.027	0.12	---	---
B-4	3/20/91	20.5	<1.0	---	---	---	---	---	0.0076	0.0073	0.011	0.054	---	---
B-5	3/20/91	10.5	26	---	---	---	---	---	0.055	0.061	0.17	0.67	---	---
B-6	3/20/91	10.5	240	---	---	---	---	---	0.28	2.2	2.8	13	---	---
B-6	3/20/91	15.5	1.4	---	---	---	---	---	0.0055	0.0054	0.009	0.034	---	---
B-7	3/20/91	10.5	<1.0	---	---	---	---	---	0.006	0.006	0.008	0.033	---	---
B-8	3/20/91	10.5	<1.0	---	---	---	---	---	0.006	0.005	0.008	0.035	---	---
B-9	3/20/91	10.5	---	---	---	---	---	<50	---	---	---	---	---	---
B-10	3/20/91	10.5	---	---	---	---	---	<50	---	---	---	---	---	---
S-5-B11	09/05/07	5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-10-B11	09/10/07	10	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-13.5-B11	09/10/07	13.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-18-B11	09/11/07	18	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-20-B11	09/11/07	20	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-25.5-B11	11/14/07	25.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-29.5-B11	11/14/07	29.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-34.5-B11	11/14/07	34.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-5-B12	09/04/07	5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-15.5-B12	11/13/07	15.5	43	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-20.5-B12	11/13/07	20.5	3.2	---	---	---	---	---	0.076	<0.0050	0.0053	<0.0050	0.15	---
S-5-B13	09/05/07	5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-10-B13	09/10/07	10	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-14.5-B13	09/10/07	14.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-20-B13	09/10/07	20	4.3	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-25-B13	11/12/07	25	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-30-B13	11/12/07	30	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-35-B13	11/12/07	35	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-5.0-B14	09/06/07	5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---

TABLE 1 CUMULATIVE SOIL ANALYTICAL RESULTS, FORMER EXXON SERVICE STATION 70234, 3450 35TH AVENUE, OAKLAND, CALIFORNIA

Sample ID	Sampling Date	Depth (feet bgs)	TPH-g (mg/kg)	Kerosene (mg/kg)	TPH-d (mg/kg)	TPH-mo (mg/kg)	EHC-HO (mg/kg)	TOG (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	Lead (mg/kg)
S-16-B14	11/13/07	16	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-20.5-B14	11/13/07	20.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	0.031	---
S-5-B15	09/04/07	5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-10.5-B15	11/15/07	10.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-15.5-B15	11/15/07	15.5	1.1	---	---	---	---	---	0.32	0.019	0.017	0.074	0.12	---
S-20-B15	11/15/07	20	300	---	---	---	---	---	6.1	36	14	72	<0.25	---
S-25.5-B15	11/15/07	25.5	220	---	---	---	---	---	3.1	18	6.8	36	<0.12	---
S-30.5-B15	11/15/07	30.5	59	---	---	---	---	---	2.9	5.6	1.5	20	<0.25	---
S-35.5-B15	11/15/07	35.5	3.3	---	---	---	---	---	0.28	0.21	0.26	0.79	0.26	---
S-5-B16	09/04/07	5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-11-B16	11/14/07	11	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-15.5-B16	11/14/07	15.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-21-B16	11/14/07	21	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-26-B16	11/14/07	26	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-30.5-B16	11/14/07	30.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-34.5-B16	11/14/07	34.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	0.021	---
S-38.5-B16	11/14/07	38.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-5-B17	09/05/07	5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-11-B17	11/13/07	11	90	---	---	---	---	---	0.052	<0.0050	0.086	0.020	0.036	---
S-16-B17	11/13/07	16	<0.50	---	---	---	---	---	0.0052	<0.0050	<0.0050	<0.0050	0.099	---
S-21-B17	11/13/07	21	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	0.011	---
S-24.5-B17	11/13/07	24.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	0.59	---
S-31-B17	11/13/07	31	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-35.5-B17	11/13/07	35.5	0.85	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	1.7	---
S-5-B18	09/04/07	5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-10-B18	11/12/07	10	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-15-B18	11/12/07	15	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	0.0051	---
S-20-B18	11/12/07	20	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	0.019	---
S-25-B18	11/12/07	25	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	0.18	---
S-30-B18	11/12/07	30	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	0.54	---
S-35-B18	11/12/07	35	24	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	0.53	---
S-5-B19	02/25/09	5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-10-B19	03/02/09	10	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-15.5-B19	03/03/09	15.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-20.5-B19	03/03/09	20.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-25.5-B19	03/03/09	25.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---

TABLE 1 CUMULATIVE SOIL ANALYTICAL RESULTS, FORMER EXXON SERVICE STATION 70234, 3450 35TH AVENUE, OAKLAND, CALIFORNIA

Sample ID	Sampling Date	Depth (feet bgs)	TPH-g (mg/kg)	Kerosene (mg/kg)	TPH-d (mg/kg)	TPH-mo (mg/kg)	EHC-HO (mg/kg)	TOG (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	Lead (mg/kg)
S-30.5-B19	03/03/09	30.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-35.5-B19	03/03/09	35.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	0.51	---
S-39.5-B19	03/03/09	39.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	0.048	---
S-5-B20	02/25/09	5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-10.5-B20	03/03/09	10.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-15.0-B20	03/03/09	15.0	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-20.5-B20	03/03/09	20.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-25.5-B20	03/03/09	25.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-30.5-B20	03/03/09	30.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-35.5-B20	03/03/09	35.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-39.5-B20	03/03/09	39.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-5-B21	02/25/09	5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-10.5-B21	03/04/09	10.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-15-B21	03/04/09	15	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-20.5-B21	03/04/09	20.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-25.5-B21	03/04/09	25.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-30.5-B21	03/04/09	30.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-35.5-B21	03/04/09	35.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-39.5-B21	03/04/09	39.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
Monitoring and Recovery Wells														
MW1	07/14/92	8	<1.0	---	---	---	---	---	<0.0050	<0.0050	<0.0050	0.0064	---	<10
MW1	07/14/92	29.5	<1.0	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<10
MW2	07/14/92	28	<1.0	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<10
MW3	07/14/92	29.5	<1.0	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<10
S-5-MW4	02/25/09	5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-10.5-MW4	03/02/09	10.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-15.5-MW4	03/02/09	15.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-20.5-MW4	03/02/09	20.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-25.5-MW4	03/02/09	25.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-30.5-MW4	03/02/09	30.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-35.5-MW4	03/02/09	35.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-40-MW4	03/02/09	40	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-44.5-MW4	03/02/09	44.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-5-MW5	02/27/09	5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-10-MW5	03/05/09	10	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-15-MW5	03/05/09	15	0.70	---	---	---	---	---	0.22	0.022	0.071	0.31	0.036	---

TABLE 1 CUMULATIVE SOIL ANALYTICAL RESULTS, FORMER EXXON SERVICE STATION 70234, 3450 35TH AVENUE, OAKLAND, CALIFORNIA

Sample ID	Sampling Date	Depth (feet bgs)	TPH-g (mg/kg)	Kerosene (mg/kg)	TPH-d (mg/kg)	TPH-mo (mg/kg)	EHC-HO (mg/kg)	TOG (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	Lead (mg/kg)
S-20-MW5	03/05/09	20	260	---	---	---	---	---	5.4	19	11	63	<5.0	---
S-25-MW5	03/06/09	25	41	---	---	---	---	---	<0.0050	0.069	0.15	0.75	<0.50	---
S-30-MW5	03/06/09	30	0.91	---	---	---	---	---	0.14	0.0061	0.011	0.036	<0.50	---
S-35-MW5	03/06/09	35	5.4	---	---	---	---	---	<0.050	3.9	1.5	15	<0.50	---
S-39.5-MW5	03/06/09	39.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-5-MW6	02/27/09	5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-10-MW6	03/09/09	10	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-15.5-MW6	03/09/09	15.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	0.011	---
S-20.5-MW6	03/09/09	20.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	0.015	---
S-25.5-MW6	03/09/09	25.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-30.5-MW6	03/09/09	30.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	0.063	---
S-35.5-MW6	03/09/09	35.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-39.5-MW6	03/09/09	39.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-5-MW7	02/27/09	5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-10.5-MW7	03/09/09	10.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-15.5-MW7	03/09/09	15.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-20.5-MW7	03/09/09	20.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-25.5-MW7	03/09/09	25.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-30.5-MW7	03/09/09	30	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-35.5-MW7	03/09/09	35.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-39.5-MW7	03/09/09	39.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-5-MW8	02/25/09	5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-10.5-MW8	03/04/09	10.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-15.5-MW8	03/04/09	15.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-20.5-MW8	03/04/09	20.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-25.5-MW8	03/04/09	25.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-30.5-MW8	03/04/09	30.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-35.5-MW8	03/04/09	35.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-39.5-MW8	03/04/09	39.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-5-MW9	02/25/09	5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-10-MW9	03/05/09	10	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-15-MW9	03/05/09	15	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-20-MW9	03/05/09	20	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-25-MW9	03/05/09	25	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-30-MW9	03/05/09	30	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-35-MW9	03/05/09	35	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---
S-40-MW9	03/05/09	40	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---

TABLE 1 CUMULATIVE SOIL ANALYTICAL RESULTS, FORMER EXXON SERVICE STATION 70234, 3450 35TH AVENUE, OAKLAND, CALIFORNIA

Sample ID	Sampling Date	Depth (feet bgs)	TPH-g (mg/kg)	Kerosene (mg/kg)	TPH-d (mg/kg)	TPH-mo (mg/kg)	EHC-HO (mg/kg)	TOG (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	Lead (mg/kg)
S-5.0-RW1	12/22/11	5.0	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-15.0-RW1	12/22/11	15.0	1.3e	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	0.0053	---
S-25.0-RW1	12/22/11	25.0	6.5e	---	---	---	---	---	<0.0050	<0.0050	<0.0050	0.029	0.0066g	---
S-28.0-RW1	12/22/11	28.0	27e	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-31.0-RW1	12/22/11	31.0	1.7	---	---	---	---	---	<0.0050	0.0072	<0.0050	0.096	0.50	---
S-32.5-RW1	12/22/11	32.5	0.95	---	---	---	---	---	<0.0050	<0.0050	<0.0050	0.0087	0.72	---
S-34.0-RW1	12/22/11	34.0	2.3e	---	---	---	---	---	<0.0050	<0.0050	<0.0050	0.0053	0.94	---
S-37.0-RW1	12/22/11	37.0	420	---	---	---	---	---	<0.50	<0.50	0.88	10	<0.50	---
S-38.5-RW1	12/22/11	38.5	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	0.0071	---
S-40.0-RW1	12/22/11	40.0	440	---	---	---	---	---	<1.0	<1.0	2.1	29	<1.0	---
Soil Stockpile Samples														
SP-1(S-SP1-S-SP4)	09/12/07	---	<0.10	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	7.2
SP(1-4)	06/18/97	---	ND	---	47b	150c	---	---	ND	ND	ND	ND	---	8.7
SP-2	03/09/09	---	<0.50	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	5.83
S-SP1 (1,2,3,4)	12/22/11	---	40	8.0	<5.0	<25	---	---	0.0068	0.012	0.048	0.46	<0.50	4.50
Soil Vapor Monitoring Wells														
V1-7	04/14/14	7	<0.51	---	---	---	---	---	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	---
V2-3	04/15/14	3	<0.52	---	---	---	---	---	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	---
V2-6.5	04/15/14	6.5	<0.49	---	---	---	---	---	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	---
V3-3	04/15/14	3	<0.49	---	---	---	---	---	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	---
V3-6.5	04/15/14	6.5	<0.48	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
V4-6.5	04/15/14	6.5	<0.48	---	---	---	---	---	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	---
V5-6.5	04/15/14	6.5	<0.49	---	---	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
V6,3	11/07/14	3	<0.49	---	---	---	---	---	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	---
V6,6.5	11/07/14	6.5	<0.50	---	---	---	---	---	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	---
Soil Borings 2014														
H1-54	04/15/14	54	<0.50	---	---	---	---	---	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	---
H3-54	04/14/14	54	<0.52	---	---	---	---	---	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	---
Table A-1 ESL		--	100	NE	100	100	NE	100*	0.044	2.9	3.3	2.3	0.023	80
Table C-1 ESL		--	500	NE	110	500	NE	500*	0.044	2.9	3.3	2.3	0.023	80

Notes: Analytical data prior to 2013 provided by Cardno ERI.
 TPH-g = Total Petroleum Hydrocarbons as gasoline analyzed using EPA Method 8015M.
 Kerosene = Kerosene analyzed using EPA Method 8015B.

TABLE 1 CUMULATIVE SOIL ANALYTICAL RESULTS, FORMER EXXON SERVICE STATION 70234, 3450 35TH AVENUE, OAKLAND, CALIFORNIA

Sample ID	Sampling Date	Depth (feet bgs)	TPH-g (mg/kg)	Kerosene (mg/kg)	TPH-d (mg/kg)	TPH-mo (mg/kg)	EHC-HO (mg/kg)	TOG (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	Lead (mg/kg)
TPH-d	=	Total Petroleum Hydrocarbons as diesel.												
TPH-mo	=	Total Petroleum Hydrocarbons as motor oil.												
EHC-HO	=	Extractable hydrocarbons as hydraulic oil.												
TOG	=	Total oil and grease.												
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B/8260B.												
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B/8260B												
Lead	=	Lead analyzed using EPA Method 6010B.												
feet bgs	=	Feet below ground surface.												
mg/kg	=	Milligrams per kilogram.												
ND	=	Not detected at or above the laboratory reporting limit.												
NE	=	Not established.												
<	=	Less than the stated laboratory reporting limit.												
---	=	Not analyzed/not applicable.												
a	=	Unidentified C8-C12.												
b	=	Unidentified C9-C24.												
c	=	Unidentified C16-C36.												
d	=	Unidentified C16-C40.												
e	=	Hydrocarbon pattern does not match that of the specified standard.												
Table A-1 ESL	=	Residential Environmental Screening Level, Shallow Soil (\leq 3m bgs), Groundwater is a Current or Potential Source of Drinking Water, San Francisco Bay Regional Water Quality Control Board, December 2013.												
Table C-1 ESL	=	Residential Environmental Screening Level, Deep Soil ($>$ 3m bgs), Groundwater is a Current or Potential Source of Drinking Water, San Francisco Bay Regional Water Quality Control Board, December 2013.												
*	=	The ESL is for total petroleum hydrocarbons quantified as motor oil (TPH-motor oil).												

TABLE 2 ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS
FORMER EXXON SERVICE STATION 70234, 3450 35TH AVENUE, OAKLAND, CALIFORNIA

Sample ID	Sampling Date	Depth (feet bgs)	1,2-DCA (mg/kg)	EDB (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	Ethanol (mg/kg)	VOCs (mg/kg)	SVOCs (mg/kg)	HVOCs (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)	Naphthalene (mg/kg)	PAHs (mg/kg)	
Used-Oil UST Confirmation Soil Sample																			
T1-12	06/18/97	---	---	---	---	---	---	---	---	---	ND	ND	ND	47	56	84	---	---	
Hydraulic Hoist Confirmation Samples																			
Not analyzed for these analytes.																			
Samples from the UST Cavity Sidewall																			
Not analyzed for these analytes.																			
Samples from Beneath Product Piping																			
Not analyzed for these analytes.																			
Soil Samples from 1991 UST Excavation																			
Not analyzed for these analytes.																			
Soil Borings																			
Soil borings sampled prior to 2007 not analyzed for these analytes.																			
S-5-B11	09/05/07	5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-10-B11	09/10/07	10	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-13.5-B11	09/10/07	13.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-18-B11	09/11/07	18	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-20-B11	09/11/07	20	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-25.5-B11	11/14/07	25.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-29.5-B11	11/14/07	29.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-34.5-B11	11/14/07	34.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-5-B12	09/04/07	5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-15.5-B12	11/13/07	15.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-20.5-B12	11/13/07	20.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-5-B13	09/05/07	5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-10-B13	09/10/07	10	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-14.5-B13	09/10/07	14.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-20-B13	09/10/07	20	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-25-B13	11/12/07	25	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-30-B13	11/12/07	30	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-35-B13	11/12/07	35	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-5.0-B14	09/06/07	5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-16-B14	11/13/07	16	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-20.5-B14	11/13/07	20.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-5-B15	09/04/07	5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-10.5-B15	11/15/07	10.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-15.5-B15	11/15/07	15.5	0.011	<0.0050	<0.010	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---

TABLE 2 ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS
FORMER EXXON SERVICE STATION 70234, 3450 35TH AVENUE, OAKLAND, CALIFORNIA

Sample ID	Sampling Date	Depth (feet bgs)	1,2-DCA (mg/kg)	EDB (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	Ethanol (mg/kg)	VOCs (mg/kg)	SVOCs (mg/kg)	HVOCs (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)	Naphthalene (mg/kg)	PAHs (mg/kg)
S-20-B15	11/15/07	20	<0.25	<0.25	<0.50	<0.50	<0.50	<2.5	<12	---	---	---	---	---	---	---	---	---
S-25.5-B15	11/15/07	25.5	<0.12	<0.12	<0.25	<0.25	<0.25	<1.2	<6.2	---	---	---	---	---	---	---	---	---
S-30.5-B15	11/15/07	30.5	<0.25	<0.25	<0.50	<0.50	<0.50	<2.5	<12	---	---	---	---	---	---	---	---	---
S-35.5-B15	11/15/07	35.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	0.25	<0.25	---	---	---	---	---	---	---	---	---
S-5-B16	09/04/07	5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-11-B16	11/14/07	11	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-15.5-B16	11/14/07	15.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-21-B16	11/14/07	21	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-26-B16	11/14/07	26	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-30.5-B16	11/14/07	30.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-34.5-B16	11/14/07	34.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-38.5-B16	11/14/07	38.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-5-B17	09/05/07	5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-11-B17	11/13/07	11	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-16-B17	11/13/07	16	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-21-B17	11/13/07	21	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-24.5-B17	11/13/07	24.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	0.20	---	---	---	---	---	---	---	---	---	---
S-31-B17	11/13/07	31	<0.0050	<0.0050	<0.010	<0.010	<0.010	0.15	---	---	---	---	---	---	---	---	---	---
S-35.5-B17	11/13/07	35.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-5-B18	09/04/07	5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-10-B18	11/12/07	10	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-15-B18	11/12/07	15	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-20-B18	11/12/07	20	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-25-B18	11/12/07	25	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-30-B18	11/12/07	30	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-35-B18	11/12/07	35	<0.0050	<0.0050	<0.010	<0.010	<0.010	0.70	---	---	---	---	---	---	---	---	---	---
S-5-B19	02/25/09	5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-10-B19	03/02/09	10	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-15.5-B19	03/03/09	15.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-20.5-B19	03/03/09	20.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-25.5-B19	03/03/09	25.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-30.5-B19	03/03/09	30.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-35.5-B19	03/03/09	35.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-39.5-B19	03/03/09	39.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-5-B20	02/25/09	5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-10.5-B20	03/03/09	10.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-15.0-B20	03/03/09	15.0	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-20.5-B20	03/03/09	20.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-25.5-B20	03/03/09	25.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-30.5-B20	03/03/09	30.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---

TABLE 2 ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS
FORMER EXXON SERVICE STATION 70234, 3450 35TH AVENUE, OAKLAND, CALIFORNIA

Sample ID	Sampling Date	Depth (feet bgs)	1,2-DCA (mg/kg)	EDB (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	Ethanol (mg/kg)	VOCs (mg/kg)	SVOCs (mg/kg)	HVOCs (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)	Naphthalene (mg/kg)	PAHs (mg/kg)
S-35.5-B20	03/03/09	35.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-39.5-B20	03/03/09	39.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-5-B21	02/25/09	5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-10.5-B21	03/04/09	10.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-15-B21	03/04/09	15	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-20.5-B21	03/04/09	20.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-25.5-B21	03/04/09	25.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-30.5-B21	03/04/09	30.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-35.5-B21	03/04/09	35.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-39.5-B21	03/04/09	39.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
Monitoring and Recovery Wells																		
MW1	07/14/92	8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW2	07/14/92	29.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3	07/14/92	28	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW4	07/14/92	29.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-5-MW4	02/25/09	5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-10.5-MW4	03/02/09	10.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-15.5-MW4	03/02/09	15.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-20.5-MW4	03/02/09	20.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-25.5-MW4	03/02/09	25.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-30.5-MW4	03/02/09	30.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-35.5-MW4	03/02/09	35.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-40-MW4	03/02/09	40	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-44.5-MW4	03/02/09	44.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-5-MW5	02/27/09	5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-10-MW5	03/05/09	10	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-15-MW5	03/05/09	15	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-20-MW5	03/05/09	20	<5.0	<5.0	<1.0	<1.0	<1.0	<5.0	<250	---	---	---	---	---	---	---	---	---
S-25-MW5	03/06/09	25	<0.50	<0.50	<1.0	<1.0	<1.0	<5.0	<25	---	---	---	---	---	---	---	---	---
S-30-MW5	03/06/09	30	<0.50	<0.50	<1.0	<1.0	<1.0	<5.0	<25	---	---	---	---	---	---	---	---	---
S-35-MW5	03/06/09	35	<0.50	<0.50	<1.0	<1.0	<1.0	<5.0	<25	---	---	---	---	---	---	---	---	---
S-39.5-MW5	03/06/09	39.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-5-MW6	02/27/09	5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-10-MW6	03/09/09	10	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-15.5-MW6	03/09/09	15.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-20.5-MW6	03/09/09	20.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-25.5-MW6	03/09/09	25.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-30.5-MW6	03/09/09	30.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-35.5-MW6	03/09/09	35.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	0.054	<0.25	---	---	---	---	---	---	---	---	---
S-39.5-MW6	03/09/09	39.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---

TABLE 2 ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS
FORMER EXXON SERVICE STATION 70234, 3450 35TH AVENUE, OAKLAND, CALIFORNIA

Sample ID	Sampling Date	Depth (feet bgs)	1,2-DCA (mg/kg)	EDB (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	Ethanol (mg/kg)	VOCs (mg/kg)	SVOCs (mg/kg)	HVOCs (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)	Naphthalene (mg/kg)	PAHs (mg/kg)
S-5-MW7	02/27/09	5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-10.5-MW7	03/09/09	10.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-15.5-MW7	03/09/09	15.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-20.5-MW7	03/09/09	20.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-25.5-MW7	03/09/09	25.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-30.5-MW7	03/09/09	30	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-35.5-MW7	03/09/09	35.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-39.5-MW7	03/09/09	39.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-5-MW8	02/25/09	5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-10.5-MW8	03/04/09	10.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-15.5-MW8	03/04/09	15.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-20.5-MW8	03/04/09	20.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-25.5-MW8	03/04/09	25.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-30.5-MW8	03/04/09	30.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-35.5-MW8	03/04/09	35.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-39.5-MW8	03/04/09	39.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-5-MW9	02/25/09	5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-10-MW9	03/05/09	10	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-15-MW9	03/05/09	15	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-20-MW9	03/05/09	20	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-25-MW9	03/05/09	25	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-30-MW9	03/05/09	30	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-35-MW9	03/05/09	35	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-40-MW9	03/05/09	40	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	---	---	---	---	---	---	---
S-5.0-RW1	12/22/11	5.0	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-15.0-RW1	12/22/11	15.0	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-25.0-RW1	12/22/11	25.0	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-28.0-RW1	12/22/11	28.0	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-31.0-RW1	12/22/11	31.0	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-32.5-RW1	12/22/11	32.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	0.17	---	---	---	---	---	---	---	---	---	---
S-34.0-RW1	12/22/11	34.0	<0.0050	<0.0050	<0.010	<0.010	<0.010	0.42	---	---	---	---	---	---	---	---	---	---
S-37.0-RW1	12/22/11	37.0	<0.50	<0.50	<1.0	<1.0	<1.0	<5.0	---	---	---	---	---	---	---	---	---	---
S-38.5-RW1	12/22/11	38.5	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	---	---
S-40.0-RW1	12/22/11	40.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	---	---	---	---	---	---	---	---	---	---
Soil Stockpile Samples																		
SP-1(S-SP1-S-SP4)	09/12/07	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.020	---	---	---	---	---	---	---	---	---	---
SP(1-4)	06/18/97	---	---	---	---	---	---	---	---	ND	ND	---	ND	55	53	43	---	---
SP-2	03/09/09	---	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.25	---	---	ND	---	---	---	---	---	---
S-SP1 (1,2,3,4)	12/22/11	---	<0.0050	<0.0050	<0.010	<0.010	<0.010	0.076	---	a	---	---	---	---	---	---	---	---

TABLE 2 ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS
FORMER EXXON SERVICE STATION 70234, 3450 35TH AVENUE, OAKLAND, CALIFORNIA

Sample ID	Sampling Date	Depth (feet bgs)	1,2-DCA (mg/kg)	EDB (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	Ethanol (mg/kg)	VOCs (mg/kg)	SVOCs (mg/kg)	HVOCs (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)	Naphthalene (mg/kg)	PAHs (mg/kg)	
Soil Vapor Monitoring Wells																			
V1-7	04/14/14	7	---	---	<0.010	<0.010	<0.010	<0.051	---	---	---	---	---	---	---	---	<0.051	---	
V2-3	04/15/14	3	---	---	<0.0096	<0.0096	<0.0096	<0.048	---	---	---	---	---	---	---	---	<0.048	---	
V2-6.5	04/15/14	6.5	---	---	<0.010	<0.010	<0.010	<0.052	---	---	---	---	---	---	---	---	<0.052	---	
V3-3	04/15/14	3	---	---	<0.011	<0.011	<0.011	<0.053	---	---	---	---	---	---	---	---	<0.053	---	
V3-6.5	04/15/14	6.5	---	---	<0.0099	<0.0099	<0.0099	<0.050	---	---	---	---	---	---	---	---	<0.050	---	
V4-6.5	04/15/14	6.5	---	---	<0.010	<0.010	<0.010	<0.051	---	---	---	---	---	---	---	---	<0.051	---	
V5-6.5	04/15/14	6.5	---	---	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---	---	---	---	<0.050	---	
V6,3	11/07/14	3	---	---	<0.010	<0.010	<0.010	<0.051	---	---	---	---	---	---	---	---	<0.051	<0.020	
V6,6.5	11/07/14	6.5	---	---	<0.010	<0.010	<0.010	<0.051	---	---	---	---	---	---	---	---	<0.051	<0.020	
Soil Borings 2014																			
H1-54	04/15/14	54	---	---	<0.010	<0.010	<0.010	<0.051	---	---	---	---	---	---	---	---	<0.051	---	
H3-54	04/14/14	54	---	---	<0.010	<0.010	<0.010	<0.052	---	---	---	---	---	---	---	---	<0.052	---	
Table A ESL			0.0045	0.00033	NE	NE	NE	0.075	NE	#	#	#	12	1,000	150	600	1.2	#	
Table C ESL			0.0045	0.00033	NE	NE	NE	0.075	NE	#	#	#	78	2,500	1,500	2,500	1.2	#	

Notes:	Analytical data prior to 2013 provided by Cardno ERI.
1,2-DCA	= 1,2-dichloroethane analyzed using EPA Method 8260B.
EDB	= Ethylene dibromide (1,2-dibromoethane) analyzed using EPA Method 8260B.
DIPE	= Di-isopropyl ether analyzed using EPA Method 8260B.
ETBE	= Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	= Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	= Tertiary butyl alcohol analyzed using EPA Method 8260B.
Ethanol	= Ethanol analyzed using EPA Method 8260B.
VOCs	= Volatile organic compounds.
SVOCs	= Semi-volatile organic compounds.
HVOCs	= Halogenated volatile organic compounds analyzed using EPA Method 8260B.
PAHs	= Polycyclic aromatic hydrocarbons.
feet bgs	= Feet below ground surface.
mg/kg	= Milligrams per kilogram.
ND	= Not detected at or above the laboratory reporting limit.
NE	= Not established.
<	= Less than the stated laboratory reporting limit.
---	= Not analyzed/not applicable.
a	= 1.1 mg/kg 1,2,4-trimethylbenzene; 0.16 mg/kg 1,3,5-trimethylbenzene; 0.022 mg/kg isopropyltoluene; 0.078 mg/kg naphthalene; 0.059 mg/kg n-butylbenzene; 0.091 mg/kg n-propylbenzene; 0.0070 p-isopropyltoluene; 0.012 sec-butylbenzene.
Table A ESL	= Residential Environmental Screening Level, Shallow Soil (<= 3m bgs), Groundwater is a Current or Potential Source of Drinking Water, San Francisco Bay Regional Water Quality Control Board, December 2013.

TABLE 2 ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS
FORMER EXXON SERVICE STATION 70234, 3450 35TH AVENUE, OAKLAND, CALIFORNIA

Sample ID	Sampling Date	Depth (feet bgs)	1,2-DCA (mg/kg)	EDB (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	Ethanol (mg/kg)	VOCs (mg/kg)	SVOCs (mg/kg)	HVOCs (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)	Naphthalene (mg/kg)	PAHs (mg/kg)
Table C ESL	=	Residential Environmental Screening Level, Deep Soil (> 3m bgs), Groundwater is a Current or Potential Source of Drinking Water, San Francisco Bay Regional Water Quality Control Board, December 2013.																
#	=	The ESLs vary from compound to compound.																

TABLE 3 HISTORICAL GROUNDWATER MONITORING DATA,
FORMER EXXON SERVICE STATION 70234,
3450 35TH AVENUE, OAKLAND, CALIFORNIA

Well Number	Date	Elevation TOC (feet)	Depth to Water (feet below TOC)	Groundwater Elevation (feet)	LPH Thickness (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8260B (µg/l)	Total Pb (µg/L)	Organic Pb (mg/L)
MW1	SCREEN INTERVAL (feet bgs) 25-45												
MW1	07/15/92	---	Well installed.										
MW1	07/17/92	192.00	33.02	158.98	0.00	67	6.6	6.9	2.0	4.5	---	17	---
MW1	10/22/92	192.00	34.07	157.93	0.00	<50	2.9	<0.5	<0.5	<0.5	---	16	---
MW1	02/04/93	192.00	29.43	162.57	0.00	<50	0.8	<0.5	<0.5	<0.5	---	4	---
MW1	05/03/93	192.00	29.72	162.28	0.00	71	2.8	7.2	2.2	22	---	40	---
MW1	07/30/93	192.00	32.95	159.05	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	5	---
MW1	10/19/93	192.00	34.34	157.66	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	12	---
MW1	02/23/94	192.00	31.72	160.28	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	4	---
MW1	06/06/94	192.00	31.77	160.23	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	<3	---
MW1	08/18/94	192.00	33.76	158.24	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	130	---
MW1	11/15/94	192.00	34.08	157.92	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	<3.0	<100
MW1	02/06/95	192.00	28.50	163.50	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
MW1	05/10/95	192.00	29.30	162.70	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
MW1	09/20/99	192.00	33.30	158.70	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<75	<50
MW1	Well destroyed in June 2000.												
MW2	SCREEN INTERVAL (feet bgs) 25-45												
MW2	07/15/92	---	Well installed.										
MW2	07/17/92	194.85	34.65	160.20	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	<3	---
MW2	10/22/92	194.85	35.64	159.21	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	--	---
MW2	02/04/93	194.85	31.13	163.72	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	<3	---
MW2	05/03/93	194.85	31.08	163.77	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	3	---
MW2	07/30/93	194.85	34.34	160.51	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	14	---
MW2	10/19/93	194.85	36.00	158.85	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	<3	---
MW2	02/23/94	194.85	33.92	160.93	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	<3	---
MW2	06/06/94	194.85	33.50	161.35	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	<3	---
MW2	08/18/94	194.85	35.38	159.47	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	<3.0	---
MW2	11/15/94	194.85	35.93	158.92	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	<3.0	<100
MW2	02/06/95	194.85	30.38	164.47	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
MW2	05/10/95	194.85	30.77	164.08	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
MW2	09/20/99	194.85	35.15	159.70	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<75	<0.5
MW2	Well destroyed in June 2000.												
MW3	SCREEN INTERVAL (feet bgs) 25-45												
MW3	07/15/92	---	Well installed.										
MW3	07/17/92	196.90	37.24	159.66	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	50	---
MW3	10/22/92	196.90	35.95	160.95	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	9	---
MW3	02/04/93	196.90	29.85	167.05	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	<3	---
MW3	05/03/93	196.90	29.87	167.03	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	3	---
MW3	07/30/93	196.90	33.85	163.05	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	22	---
MW3	10/19/93	196.90	35.89	161.01	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	12	---
MW3	02/23/94	196.90	32.88	164.02	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	25	---

TABLE 3 HISTORICAL GROUNDWATER MONITORING DATA,
FORMER EXXON SERVICE STATION 70234,
3450 35TH AVENUE, OAKLAND, CALIFORNIA

Well Number	Date	Elevation TOC (feet)	Depth to Water (feet below TOC)	Groundwater Elevation (feet)	LPH Thickness (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8260B (µg/l)	Total Pb (µg/L)	Organic Pb (mg/L)
MW3	06/06/94	196.90	32.40	164.50	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	<3	---
MW3	08/18/94	196.90	35.07	161.83	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	<3.0	---
MW3	11/15/94	196.90	35.97	160.93	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	<3.0	<100
MW3	02/06/95	196.90	28.39	168.51	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
MW3	05/10/95	196.90	28.90	168.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
MW3	09/20/99	196.90	34.68	162.22	0.00	75.0	<0.5	11.5	1.8	18.0	1.87	<75	<0.5
MW3	Well destroyed in June 2000.												
MW4	SCREEN INTERVAL (feet bgs) 35-45												
MW4	03/02/09	---	Well installed.										
MW4	03/30/09	197.62	30.94	166.68	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW4	04/02/09	197.62	Well surveyed.										
MW4	05/28/09	197.62	32.00	165.62	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW4	08/31/09	197.62	35.43	162.19	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW4	12/11/09	197.62	35.01	162.61	0.00	<50	<0.50	0.83	<0.50	1.1	<0.50	---	---
MW4	05/07/10	197.62	29.11	168.51	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---
MW4	11/01/10	197.62	34.95	162.67	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---
MW4	05/27/11 a	197.62	30.65	166.97	0.00	---	---	---	---	---	---	---	---
MW4	11/23/11	197.62	33.49	164.13	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---
MW4	05/24/12	197.62	30.02	167.60	0.00	58	0.84	4.4	0.64c	3.5	<0.50	---	---
MW4	10/31/12	197.62	35.14	162.48	0.00	110	5.3	45	4.2	21	<0.50	---	---
MW4	05/02/13 e	197.62	32.03	165.59	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW4	11/09/13	197.62	36.53	161.09	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW4	05/12/14 a	197.62	33.51	164.11	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW4	11/19/14 a	197.62	36.96	160.66	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW5	SCREEN INTERVAL (feet bgs) 30-40												
MW5	03/06/09	---	Well installed.										
MW5	03/30/09	196.35	30.05	166.30	0.00	4,200	540	140	<12	310	1,900	---	---
MW5	04/02/09	196.35	Well surveyed.										
MW5	05/28/09	196.35	31.45	164.90	0.00	5,300	890	150	<25	140	3,600	---	---
MW5	08/31/09	196.35	34.70	161.65	0.00	5,800	550	<100	<100	<100	3,500	---	---
MW5	12/11/09	196.35	34.52	161.83	0.00	4,000b	230	<100	<100	<100	3,800	---	---
MW5	05/07/10	196.35	30.84	165.51	0.00	2,700b	73	5.3	3.6	6.5	1,700	---	---
MW5	11/01/10	196.35	33.93	162.42	0.00	2,400b	320	71	21	40	3,400	---	---
MW5	05/27/11 a	196.35	31.65	164.70	0.00	---	---	---	---	---	---	---	---
MW5	11/23/11	196.35	32.58	163.77	0.00	1,900b	72	2.7	3.1	8.1	3,200	---	---
MW5	05/24/12	196.35	30.26	166.09	0.00	2,900b	54	31	5.2	17	1,700	---	---
MW5	10/31/12	196.35	33.94	162.41	0.00	2,200b	220	72	8.7	47	2,700	---	---
MW5	05/02/13 c	196.35	31.33	165.02	0.00	2,200b	61	<0.50	3.8	7.9	1,300	---	---
MW5	11/09/13	196.35	35.69	160.66	0.00	1,300b	120	<5.0	<5.0	8.8	370	---	---
MW5	05/12/14 a	196.35	32.64	163.71	0.00	1,200	120	<5.0	<5.0	<5.0	490	---	---
MW5	11/19/14 a	196.35	36.05	160.30	0.00	1,400 HD	140	2.0 J	<2.5	4.7	120	---	---

TABLE 3 HISTORICAL GROUNDWATER MONITORING DATA,
FORMER EXXON SERVICE STATION 70234,
3450 35TH AVENUE, OAKLAND, CALIFORNIA

Well Number	Date	Elevation TOC (feet)	Depth to Water (feet below TOC)	Groundwater Elevation (feet)	LPH Thickness (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8260B (µg/l)	Total Pb (µg/L)	Organic Pb (mg/L)
MW6	SCREEN INTERVAL (feet bgs) 29-39												
MW6	03/09/09	---	Well installed.										
MW6	03/30/09	192.41	26.94	165.47	0.00	2,800	0.91	<0.50	<0.50	<0.50	4,800	---	---
MW6	04/02/09	192.41	Well surveyed.										
MW6	05/28/09	192.41	28.04	164.37	0.00	2,800	<100	<100	<100	<100	6,000	---	---
MW6	08/31/09	192.41	30.57	161.84	0.00	4,900	<100	<100	<100	<100	6,600	---	---
MW6	12/11/09	192.41	30.78	161.63	0.00	4,900b	<100	<100	<100	<100	6,200	---	---
MW6	05/07/10	192.41	25.42	166.99	0.00	2,900b	2.7	<0.50	0.74c	<1.0	3,700	---	---
MW6	11/01/10	192.41	30.68	161.73	0.00	850b	2.1	<0.50	<0.50	<1.0	6,100	---	---
MW6	05/27/11 a	192.41	27.07	165.34	0.00	---	---	---	---	---	---	---	---
MW6	11/23/11	192.41	29.25	163.16	0.00	1,600b	<0.50	<0.50	<0.50	<1.0	6,400	---	---
MW6	05/24/12	192.41	26.36	166.05	0.00	2,000b	1.3c	9.7	0.97c	5.5	3,400	---	---
MW6	10/31/12	192.41	30.74	161.67	0.00	1,400b	3.8	28	2.2	11	5,400	---	---
MW6	05/02/13	192.41	27.91	164.50	0.00	1,900b	<0.50	<0.50	<0.50	<0.50	2,600	---	---
MW6	11/09/13	192.41	32.15	160.26	0.00	3,600b	<40	<40	<40	<40	4,800	---	---
MW6	05/12/14 a	192.41	29.28	163.13	0.00	190 HD	<5.0	<5.0	<5.0	<5.0	280	---	---
MW6	11/19/14 a	192.41	32.49	159.92	0.00	420 HD	<10	<10	<10	<10	530	---	---
MW7	SCREEN INTERVAL (feet bgs) 30-40												
MW7	03/09/09	---	Well installed.										
MW7	03/30/09	194.34	29.15	165.19	0.00	55	<0.50	<0.50	<0.50	<0.50	66	---	---
MW7	04/02/09	194.34	Well surveyed.										
MW7	05/28/09	194.34	30.16	164.18	0.00	50	<1.0	<1.0	<1.0	<1.0	67	---	---
MW7	08/31/09	194.34	33.31	161.03	0.00	<50	<0.50	0.60	<0.50	<0.50	12	---	---
MW7	12/11/09	194.34	32.71	161.63	0.00	<50	0.78	1.7	0.62	2.4	31	---	---
MW7	05/07/10	194.34	27.54	166.80	0.00	510b	<0.50	<0.50	<0.50	<1.0	700	---	---
MW7	11/01/10	194.34	32.82	161.52	0.00	68b	<0.50	<0.50	<0.50	<1.0	140	---	---
MW7	05/27/11 a	194.34	28.85	165.49	0.00	---	---	---	---	---	---	---	---
MW7	11/23/11	194.34	31.39	162.95	0.00	190b	<0.50	<0.50	<0.50	<1.0	300	---	---
MW7	05/24/12 a	194.34	28.31	166.03	0.00	---	---	---	---	---	---	---	---
MW7	10/31/12	194.34	32.86	161.48	0.00	230b	2.9	21	1.8	9.2	290	---	---
MW7	05/02/13	194.34	29.93	164.41	0.00	570b	<0.50	<0.50	<0.50	<0.50	790	---	---
MW7	11/09/13	194.34	34.23	160.11	0.00	370b	<10	<10	<10	<10	460	---	---
MW7	05/12/14 a	194.34	31.33	163.01	0.00	310 HD	<10	<10	<10	<10	980	---	---
MW7	11/19/14 a	194.34	34.31	160.03	0.00	400 HD	<12	<12	<12	<12	660	---	---
MW8	SCREEN INTERVAL (feet bgs) 30-40												
MW8	03/04/09	---	Well installed.										
MW8	03/30/09	192.96	27.35	165.61	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW8	04/02/09	192.96	Well surveyed.										
MW8	05/28/09	192.96	28.72	164.24	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW8	08/31/09	192.96	31.93	161.03	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---

TABLE 3 HISTORICAL GROUNDWATER MONITORING DATA,
FORMER EXXON SERVICE STATION 70234,
3450 35TH AVENUE, OAKLAND, CALIFORNIA

Well Number	Date	Elevation TOC (feet)	Depth to Water (feet below TOC)	Groundwater Elevation (feet)	LPH Thickness (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8260B (µg/l)	Total Pb (µg/L)	Organic Pb (mg/L)
MW8	12/11/09	192.96	31.24	161.72	0.00	<50	0.74	1.6	0.59	2.3	<0.50	---	---
MW8	05/07/10	192.96	25.68	167.28	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---
MW8	11/01/10	192.96	31.18	161.78	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---
MW8	05/27/11	192.96	27.55	165.41	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---
MW8	11/23/11	192.96	29.74	163.22	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---
MW8	05/24/12	192.96	26.93	166.03	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---
MW8	10/31/12	192.96	31.35	161.61	0.00	75	2.5	19	1.7	8.7	<0.50	---	---
MW8	05/02/13	192.96	28.44	164.52	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW8	11/09/13	192.96	32.89	160.07	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW8	05/12/14	a 192.96	30.27	162.69	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW8	11/19/14	a 192.96	33.16	159.80	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW9	SCREEN INTERVAL (feet bgs) 30-40												
MW9	03/05/09	---	Well installed.										
MW9	03/30/09	195.16	28.31	166.85	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW9	04/02/09	195.16	Well surveyed.										
MW9	05/28/09	195.16	29.69	165.47	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW9	08/31/09	195.16	33.20	161.96	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW9	12/11/09	195.16	32.62	162.54	0.00	<50	0.73	1.7	0.54	2.2	<0.50	---	---
MW9	05/07/10	195.16	26.59	168.57	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---
MW9	11/01/10	195.16	32.45	162.71	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---
MW9	05/27/11	195.16	29.62	165.54	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---
MW9	11/23/11	195.16	30.56	164.60	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---
MW9	05/24/12	195.16	27.94	167.22	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---
MW9	10/31/12	195.16	32.66	162.50	0.00	140	6.9	38	2.7	13	<0.50	---	---
MW9	05/02/13	195.16	29.58	165.58	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW9	11/09/13	195.16	Well inaccessible.										
MW9	05/12/14	b 195.16	Well inaccessible.										
MW9	11/19/14	a 195.16	34.60	160.56	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
RW1	SCREEN INTERVAL (feet bgs) 29-39.5												
RW1	12/22/11	---	Well installed.										
RW1	12/30/11	195.15	Well surveyed.										
RW1	05/24/12	195.15	28.55	166.60	0.00	5,500b	920	5.9c	51	14	2,500	---	---
RW1	10/31/12	a 195.15	---	---	---	---	---	---	---	---	---	---	---
RW1	05/02/13	c 195.15	30.27	164.88	0.00	4,300b	1,200	<2.5	41	14	2,300	---	---
RW1	11/09/13	195.15	34.64	160.51	0.00	810b	210	<10	<10	<10	520	---	---
RW1	05/12/14	a 195.15	31.54	163.61	0.00	830 HD	450	<10	13	<10	490	---	---
RW1	11/19/14	a 195.15	34.94	160.21	0.00	910 HD	450	<10	<10	<10	590	---	---
Grab Groundwater Samples													
Pit Water	06/14/02	---	---	---	---	5,600	140	840	100	530	12,000	---	---

TABLE 3 HISTORICAL GROUNDWATER MONITORING DATA,
FORMER EXXON SERVICE STATION 70234,
3450 35TH AVENUE, OAKLAND, CALIFORNIA

Well Number	Date	Elevation TOC (feet)	Depth to Water (feet below TOC)	Groundwater Elevation (feet)	LPH Thickness (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8260B (µg/l)	Total Pb (µg/L)	Organic Pb (mg/L)
UST Pit	06/19/02	---	---	---	---	680	2.7	36	18	130	640	---	---
W-38-B11	11/14/07	---	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
W-15-B12	11/13/07	---	---	---	---	8,400	67	<5.0	140	150	78	---	---
W-40-B13	11/12/07	---	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	0.53	---	---
W-15-B14	11/13/07	---	---	---	---	2,500	1.7	3.0	26	13	16	---	---
W-38-B15	11/15/07	---	---	---	---	18,000	3,400	2,500	330	2,000	12,000	---	---
W-40-B16	11/15/07	---	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	7.7	---	---
W-37-B17	11/13/07	---	---	---	---	630	1.8	<0.50	4.1	1.4	2,200	---	---
W-38-B18	11/12/07	---	---	---	---	4,300	52	<12	56	96	1,400	---	---
W-35-B19	03/03/09	---	---	---	---	4,400	<0.50	<0.50	<0.50	<1.0	7,100	---	---
W-35-B20	03/03/09	---	---	---	---	640	<0.50	<0.50	<0.50	<1.0	440	---	---
W-35-B21	03/03/09	---	---	---	---	<50	<0.50	<0.50	<0.50	<1.0	1.4	---	---

TOC Top of casing.
LPH Liquid-phase hydrocarbons.
TPH-g Total Petroleum Hydrocarbons as gasoline.
MTBE Methyl tertiary butyl ether.
NM Not measured.

bgs Below ground surface.
µg/L Micrograms per liter.
-- Not sampled or not analyzed.
NA Not available.
NC Not calculated.

Total Pb Total lead analyzed using EPA Method 6010.
Organic Pb Organic lead analyzed using CA DHS LUFT method.
a Well purged prior to sampling.
b Well inaccessible.
c Well sampled the following day.
HD Chromat. profile inconsistent with the ref. fuel stnds.
J Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

Notes: Data prior to 1999 provided by EA Engineering, Science, and Technology. Data prior to 2013 provided by Cardno ERI.

TABLE 4 ADDITIONAL GROUNDWATER ANALYTICAL DATA,
FORMER EXXON SERVICE STATION 70234,
3450 35TH AVENUE, OAKLAND, CALIFORNIA

Well Number	Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)	Naphthalene (µg/L)	
MW1	7/17/1992 - 09/20/1999		Not analyzed for these analytes.								
MW1	Well destroyed in June 2000.										
MW2	7/17/1992 - 09/20/1999		Not analyzed for these analytes.								
MW2	Well destroyed in June 2000.										
MW3	7/17/1992 - 09/20/1999		Not analyzed for these analytes.								
MW3	Well destroyed in June 2000.										
MW4	03/30/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	
MW4	05/28/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	
MW4	08/31/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	
MW4	12/11/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	
MW4	05/07/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	
MW4	11/01/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	
MW4	05/27/11	d	---	---	---	---	---	---	---	---	
MW4	11/23/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	
MW4	05/24/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	
MW4	10/31/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	
MW4	05/03/13	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	
MW4	11/09/13	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---	---	
MW4	05/12/14	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---	<1.0	
MW4	11/19/14	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---	---	
MW5	03/30/09	---	<12	17	<12	450	<12	<12	---	---	
MW5	05/28/09	---	<25	<25	<25	530	<25	<25	---	---	
MW5	08/31/09	---	<100	<100	<100	<1,000	<100	<100	---	---	
MW5	12/11/09	---	<100	<100	<100	2,000	<100	<100	---	---	
MW5	05/07/10	---	<25	<25	<25	400	<25	<25	---	---	
MW5	11/01/10	---	<50	<50	<50	1,500	<50	<50	---	---	
MW5	05/27/11	d	---	---	---	---	---	---	---	---	
MW5	11/23/11	---	<50	<50	<50	<500	<50	<50	---	---	
MW5	05/24/12	---	<50	<50	<50	1,400	<50	<50	---	---	
MW5	10/31/12	---	<50	<50	<50	730	<50	<50	---	---	
MW5	05/03/13	---	<20	<20	<20	590	<20	<20	---	---	
MW5	11/09/13	---	<5.0	<5.0	<5.0	1,100	<5.0	<5.0	---	---	
MW5	05/12/14	---	<5.0	<5.0	<5.0	1,000	<5.0	<5.0	---	<10	
MW5	11/19/14	---	<2.5	<2.5	<2.5	600	<2.5	<2.5	---	---	
MW6	03/30/09	---	<0.50	<0.50	1.3	410	<0.50	0.82	---	---	
MW6	05/28/09	---	<100	<100	<100	<1,000	<100	<100	---	---	
MW6	08/31/09	---	<100	<100	<100	1,100	<100	<100	---	---	
MW6	12/11/09	---	<100	<100	<100	2,600	<100	<100	---	---	
MW6	05/07/10	---	<100	<100	<100	<1,000	<100	<100	---	---	
MW6	11/01/10	---	<50	<50	<50	2,400	<50	<50	---	---	
MW6	05/27/11	d	---	---	---	---	---	---	---	---	
MW6	11/23/11	---	<100	<100	<100	<1,000	<100	<100	---	---	
MW6	05/24/12	---	<100	<100	<100	2,700	<100	<100	---	---	
MW6	10/31/12	---	<100	<100	<100	<1,000	<100	<100	---	---	
MW6	05/02/13	---	<40	<40	<40	570	<40	<40	---	---	
MW6	11/09/13	---	<40	<40	<40	2,100	<40	<40	---	---	
MW6	05/12/14	---	<5.0	<5.0	<5.0	1,700	<5.0	<5.0	---	<10	
MW6	11/19/14	---	<10	<10	<10	2,100	<10	<10	---	---	
MW7	03/30/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	
MW7	05/28/09	---	<1.0	<1.0	<1.0	<10	<1.0	<1.0	---	---	

TABLE 4 ADDITIONAL GROUNDWATER ANALYTICAL DATA,
FORMER EXXON SERVICE STATION 70234,
3450 35TH AVENUE, OAKLAND, CALIFORNIA

Well Number	Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)	Naphthalene (µg/L)
MW7	08/31/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---
MW7	12/11/09	---	<0.50	<0.50	<0.50	12	<0.50	<0.50	---	---
MW7	05/07/10	---	<0.50	<0.50	<0.50	130	<0.50	<0.50	---	---
MW7	11/01/10	---	<2.5	<2.5	<2.5	27	<2.5	<2.5	---	---
MW7	05/27/11	d	---	---	---	---	---	---	---	---
MW7	11/23/11	---	<5.0	<5.0	<5.0	<50	<5.0	<5.0	---	---
MW7	05/24/12	d	---	---	---	---	---	---	---	---
MW7	10/31/12	---	<5.0	<5.0	<5.0	<50	<5.0	<5.0	---	---
MW7	05/02/13	---	<5.0	<5.0	<5.0	57	<5.0	<5.0	---	---
MW7	11/09/13	---	<10	<10	<10	<200	<10	<10	---	---
MW7	05/12/14	---	<10	<10	<10	<200	<10	<10	---	<20
MW7	11/19/14	---	<12	<12	<12	<250	<12	<12	---	---
MW8	03/30/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---
MW8	05/28/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---
MW8	08/31/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---
MW8	12/11/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---
MW8	05/07/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---
MW8	11/01/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---
MW8	05/27/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---
MW8	11/23/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---
MW8	05/24/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---
MW8	10/31/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---
MW8	05/02/13	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---
MW8	11/09/13	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---	---
MW8	05/12/14	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---	<1.0
MW8	11/19/14	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---	---
MW9	03/30/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---
MW9	05/28/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---
MW9	08/31/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---
MW9	12/11/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---
MW9	05/07/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---
MW9	11/01/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---
MW9	05/27/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---
MW9	11/23/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---
MW9	05/24/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---
MW9	10/31/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---
MW9	05/02/13	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---
MW9	11/09/13	d	Well inaccessible.			---	---	---	---	---
MW9	11/19/14	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---	---
RW1	05/24/12	---	<50	<50	<50	1,900	<50	<50	---	---
RW1	10/31/12	d	---	---	---	---	---	---	---	---
RW1	05/03/13	---	<40	<40	<40	880	<40	<40	---	---
RW1	11/09/13	---	<10	<10	<10	1,100	<10	<10	---	---
RW1	05/12/14	---	<10	<10	<10	840	<10	<10	---	<20
RW1	11/19/14	---	<10	<10	<10	1,300	<10	<10	---	<20
Grab Groundwater Samples										
Pit Water	06/14/02	11.5a	---	---	---	---	---	---	---	---
UST Pit	06/19/02	13.5a	---	---	---	---	---	---	---	---
W-38-B11	11/14/07	38	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<50	---
W-15-B12	11/13/07	15	<5.0	<5.0	<5.0	<100	<5.0	<5.0	<500	---

TABLE 4 ADDITIONAL GROUNDWATER ANALYTICAL DATA,
FORMER EXXON SERVICE STATION 70234,
3450 35TH AVENUE, OAKLAND, CALIFORNIA

Well Number	Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)	Naphthalene (µg/L)
W-40-B13	11/12/07	40	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<50	---
W-15-B14	11/13/07	15	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<100	---
W-38-B15	11/15/07	38	<25	<25	<25	1,900	<25	<25	<2,500	---
W-40-B16	11/15/07	40	<0.50	<0.50	<0.50	<10	<0.50	<0.50	85	---
W-37-B17	11/13/07	37	<0.50	<0.50	<0.50	58	<0.50	<0.50	<50	---
W-38-B18	11/12/07	38	<12	<12	<12	<250	<12	<12	<1,200	---
W-35-B19	03/03/09	35	<50	<50	<50	<500	<50	<50	<5,000	---
W-35-B20	03/03/09	35	<0.50	<0.50	<0.50	12	<0.50	<0.50	<50	---
W-35-B21	03/03/09	35	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---

EDB 1,2-Dibromoethane analyzed using EPA Method 8260B.
1,2-DCA 1,2-Dichloroethane analyzed using EPA Method 8260B.
TBA Tertiary butyl alcohol analyzed using EPA Method 8260B.
TAME Tertiary amyl methyl ether analyzed using EPA Method 8260B.
ETBE Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
DIPE Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol Ethanol analyzed using EPA Method 8260B.
µg/L Micrograms per liter.
--- Not sampled/Not analyzed/Not measured/Not applicable.
a Approximate depth to groundwater surface at time of sampling.
d Well inaccessible.

Notes: Data prior to 1999 provided by EA Engineering, Science, and Technology, data prior to 2013 provided by Cardno ERI.

B Analyte was present in the associated method blank.
J Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
QO Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.

TABLE 5 SOIL VAPOR SAMPLE ANALYTICAL RESULTS, FORMER EXXON SERVICE STATION 70234, 3450 35TH AVENUE, OAKLAND, CALIFORNIA

Soil Vapor Monitoring Well	Screened Interval Depth (feet bgs)	Sampling Date	Concentration (% by Volume)				(% by volume)		Concentration (µg/m ³)										
			Oxygen and Argon	Carbon Dioxide	Methane	Lab Helium	Field Helium in Purged Soil Vapor	Field Helium under Shroud	TPH-g	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	Naphthalene
V1	6.25-6.75	4/22/2014	12.9	4.81	<0.500	0.0348	0	21.7	30,000	<7.4	75	<10	<10	<34	<28	<39	<39	<39	<120
V2	6.25-6.75	4/22/2014	14.2	7.09	<0.500	0.0220	0	21.7	36,000	<6.5	110	<8.9	<8.9	<29	<25	<34	<34	<34	<110/<20*
V3	6.25-6.75	4/22/2014	15.4	5.76	<0.500	0.0969	0	38.8	24,000	<1.6	110	3.8	2.7	<7.2	<6.1	<8.4	<8.4	<8.4	<26
V4	6.25-6.75	4/23/2014	18.7	3.01	<0.500	0.0241	0	23.6	24,000	<1.6	<1.9	<2.2	<2.2	<7.2	<6.1	<8.4	<8.4	<8.4	<26
V5	6.25-6.75	4/23/2014	8.76	6.20	<0.500	0.0209	--	22.0	22,000	3.4	46	<2.2	<2.2	<7.2	<6.1	<8.4	<8.4	<8.4	<26
V5 (duplicate)	6.25-6.75	4/23/2014	9.12	6.03	<0.500	0.0298	--	22.0	19,000	3.2	38	2.5	2.3	<7.2	<6.1	<8.4	<8.4	<8.4	<26
Table E ESL	--	--	--	--	--	--	--	--	50,000	42	160,000	490	52,000	4,700	NE	NE	NE	NE	36

Notes:

- bgs Below ground surface.
- TPH-g Total Petroleum Hydrocarbons as gasoline.
- MTBE Methyl tertiary butyl ether.
- TBA Tertiary butyl alcohol.
- ETBE Ethyl tertiary butyl ether.
- DIPE Di-isopropyl ether.
- TAME Tertiary amyl methyl ether.
- % Percent.
- µg/m³ Micrograms per cubic meter.
- Not analyzed, not measured, or not applicable.
- Table E ESL Residential Environmental Screening Level, Soil Gas, San Francisco Bay Regional Water Quality Control Board, December 2013.
- <26 Not detected at or above the reporting limit indicated.
- NE Not established.
- * The first result is from EPA Method TO-15. The second result is from EPA Method TO-17.

TABLE 6 UTILITY VAULTS
FORMER EXXON SERVICE STATION 70234, 3450 35th AVENUE, OAKLAND, CALIFORNIA

Map Identification (Figure 3)	Type	Onsite or Offsite	Location
UV1	Telecommunications vault	Offsite	Sidewalk adjacent to the site along 35th Avenue, upgradient
UV2	Telecommunications vault	Offsite	Northeastbound lane of 35th Avenue, upgradient
UV3	Unknown vault	Offsite	Northeastbound lane of 35th Avenue, upgradient
UV4	Electric utility vault	Offsite	Sidewalk adjacent to the site along 35th Avenue, upgradient
UV5	EBMUD utility vault	Offsite	Sidewalk adjacent to the site along 35th Avenue, cross-gradient
UV6	City of Oakland Electrical utility vault	Offsite	Sidewalk on eastern corner of 35th Avenue & Quigley Street, downgradient/cross-gradient
UV7	PG&E electrical utility vault	Offsite	Sidewalk on eastern corner of 35th Avenue & Quigley Street, downgradient/cross-gradient
UV8	Water utility vault	Offsite	Sidewalk on eastern corner of 35th Avenue & Quigley Street, downgradient/cross-gradient
UV9	PG&E gas utility vault	Offsite	Sidewalk on eastern corner of 35th Avenue & Quigley Street, downgradient/cross-gradient
UV10	EBMUD utility vault	Offsite	Sidewalk on eastern corner of 35th Avenue & Quigley Street, downgradient/cross-gradient
UV11	Sanitary sewer vault	Offsite	Northeastbound lane of 35th Avenue, downgradient/cross-gradient
UV12	Sanitary sewer vault	Offsite	Center of Quigley Street, downgradient/cross-gradient
UV13	Sanitary sewer clean-out	Onsite	Southern corner of the onsite building, cross-gradient

Note:

PG&E = Pacific Gas and Electric Company.

EBMUD = East Bay Municipal Utility District.

The list includes vaults identified in the immediate vicinity of the site.

TABLE 7 WELL SURVEY
FORMER EXXON SERVICE STATION 70234, 3450 35th AVENUE, OAKLAND, CALIFORNIA

Well Number (Figure 4)	TRS	Well Location	Approximate Bearing from the Site	Owner's Well ID	Well Use	Status	Depth of Surface Sanitary Seal	Sources
1	2S3W 4C	Redding St. near 35th Ave., Oakland	150 ft NE, upgradient	#2 - Job 893	Cathodic Protection	Unknown	120 ft.*	ACPWA, DWR
2	2S3W 4D3	3397 Arkansas St., Oakland	675 ft. WSW, downgradient	None	Irrigation	Unknown	20 ft.*	ACPWA, DWR
3	2S3W 4C	3450 35th Avenue, Oakland	onsite, downgradient/cross-gradient	None	Cathodic Protection	Unknown	unknown	visual identification

Note:

TRS = Township, Range, Section.

* = Original construction at installation.

NE = Northeast.

WSW = West-southwest.

ft. = Feet.

Source: Alameda County Public Works Agency (ACPWA), December 2014.
Department of Water Resources (DWR), November 2014.

Appendix A
Regulatory Correspondence

Jakub, Barbara, Env. Health

From: Jakub, Barbara, Env. Health
Sent: Friday, March 22, 2013 10:21 AM
To: 'Thomas Neely'; jennifer.c.sedlachek@exxonmobil.com
Cc: Douglas Oram; Christa Marting; Hamidou Barry; Deborah Hensley
Subject: RE: RO2515, ExxonMobil 70234

Dear Ms. Sedlachek,

Your request for an extension is approved. However, please also submit a project plan for the site with the work plan. This baseline environmental project schedule should be prepared as described below.

1. **Baseline Environmental Project Schedule** – The State Water Resources Control Board passed Resolution No. 2012-0062 on November 6, 2012 which requires development of a Path to Closure Plan by December 31, 2013 that addresses the impediments to closure for the site. The Path to Closure must have milestone dates by calendar quarter which will achieve site cleanup and case closure in a timely and efficient manner that minimizes the cost of corrective action. The Project Schedule should include, but not be limited to, the following key environmental elements and milestones as appropriate:

- Preferential Pathway Study
- Soil, Groundwater, and Soil Vapor Investigations
- Initial, Updated, and Final/Validated SCMs
- Interim Remedial Actions
- Feasibility Study/Corrective Action Plan
- Pilot Tests
- Remedial Actions
- Soil Vapor and Groundwater Monitoring Well Installation and Monitoring
- Public Participation Program (Fact Sheet Preparation/Distribution/Public Comment Period, Community Meetings, etc.)
- Case Closure Tasks (Request for closure documents, ACEH Case Closure Summary Preparation and Review, Site Management Plan, Institutional Controls, Public Participation, Landowner Notification, Well Decommissioning, Waste Removal, and Reporting.)

Please include time for regulatory and RP in house review, permitting, off-site access agreements, and utility connections, etc.

Please use a critical path methodology/tool to construct a schedule with sufficient detail to support a realistic and achievable Path to Closure Schedule. The schedule is to include at a minimum:

- Defined work breakdown structure including summary tasks required to accomplish the project objectives and required deliverables
- Summary task decomposition into smaller more manageable components that can be scheduled, monitored, and controlled
- Sequencing of activities to identify and document relationships among the project activities using logical relationships
- Identification of critical paths, linkages, predecessor and successor activities, leads and lags, and key milestones

- Identification of entity responsible for executing work
- Estimated activity durations (60-day ACEH review times are based on calendar days)

Please submit an electronic copy of the Path to Closure Schedule with the work plan.. ACEH will review the schedule to ensure that all key elements are included.

Sincerely,
Barb Jakub

From: Thomas Neely [<mailto:tneely@eticeng.com>]
Sent: Tuesday, March 19, 2013 4:26 PM
To: Jakub, Barbara, Env. Health
Cc: Douglas Oram; Christa Marting; jennifer.c.sedlachek@exxonmobil.com; Hamidou Barry; Deborah Hensley
Subject: RO2515, ExxonMobil 70234

Hi Barbara:

Thank you for taking the time to discuss this site with me last Friday. During our conversation, you confirmed that the current required submittal is a conceptual site model (CSM) with a work plan, superseding your previous directive for submittal of the DGIT and project plan. As noted below, you requested that the CSM and work plan be submitted by April 15, 2013.

We respectfully request that the deadline for the CSM be extended to Friday, May 10, 2013, and the deadline for the work plan to assess data gaps be extended to Friday, May 24, 2013.

Thank you for your consideration of this request.

Tom
Thomas Neely, PG, CHG, QSD
Senior Project Manager
tneely@eticeng.com
www.eticeng.com
ETIC Engineering, Inc.
2285 Morello Ave.
Pleasant Hill, CA 94523
Tel: 925-602-4710 x2161
Fax: 925-602-4720
Mobile: 925-301-7125

From: Jakub, Barbara, Env. Health [<mailto:barbara.jakub@acgov.org>]
Sent: Tuesday, March 05, 2013 4:04 PM
To: jennifer.c.sedlachek@exxonmobil.com
Cc: Thomas Neely; Douglas Oram
Subject: RO2515, ExxonMobil 7-0234

Dear Ms. Sedlachek,

Please prepare a conceptual site model (CSM) for the site to comply with the Low-Threat Closure Policy. Prepare The CSM in accordance with the State Water Resources Control Board's Leaking Underground Fuel Tank Guidance Manual dated September 2012. Please identify any remaining data gaps and present a work plan to assess the data gaps that are identified.

Present your CSM with data gap work plan by April 15, 2013 (File to be named: SCM_WP_R_yyyy-mm-dd).

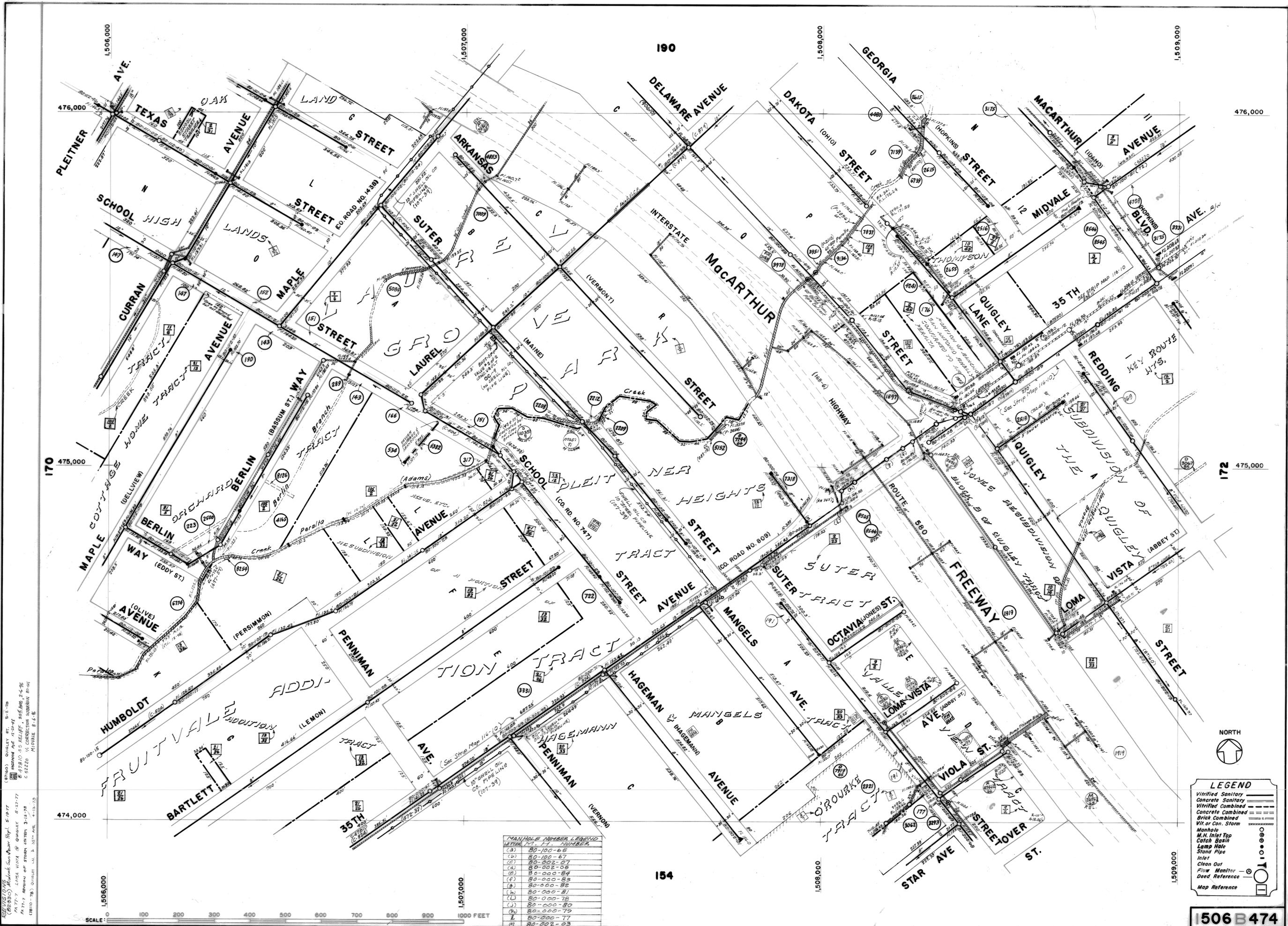
Regards,

Barbara Jakub, P.G.
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Pky.
Alameda, CA 94502
Direct: 510-639-1287
Fax: 510-337-9335

PDF copies of case files can be downloaded at:

<http://ehgis.acgov.org/dehpublic/dehpublic.jsp>

Appendix B
Utility Maps



(87163) QUIGLEY ST. 5-2-78
 (87230) LOMA VISTA 5-12-78
 (87231) LOMA VISTA 5-12-78
 (87232) LOMA VISTA 5-12-78
 (87233) LOMA VISTA 5-12-78
 (87234) LOMA VISTA 5-12-78
 (87235) LOMA VISTA 5-12-78
 (87236) LOMA VISTA 5-12-78
 (87237) LOMA VISTA 5-12-78
 (87238) LOMA VISTA 5-12-78
 (87239) LOMA VISTA 5-12-78
 (87240) LOMA VISTA 5-12-78
 (87241) LOMA VISTA 5-12-78
 (87242) LOMA VISTA 5-12-78
 (87243) LOMA VISTA 5-12-78
 (87244) LOMA VISTA 5-12-78
 (87245) LOMA VISTA 5-12-78
 (87246) LOMA VISTA 5-12-78
 (87247) LOMA VISTA 5-12-78
 (87248) LOMA VISTA 5-12-78
 (87249) LOMA VISTA 5-12-78
 (87250) LOMA VISTA 5-12-78

MANHOLE NUMBER	LETTER	FEET NUMBER
(A)	80-100-65	
(B)	80-100-67	
(C)	80-100-69	
(D)	80-100-71	
(E)	80-100-73	
(F)	80-100-75	
(G)	80-100-77	
(H)	80-100-79	
(I)	80-100-81	
(J)	80-100-83	
(K)	80-100-85	
(L)	80-100-87	
(M)	80-100-89	
(N)	80-100-91	
(O)	80-100-93	
(P)	80-100-95	
(Q)	80-100-97	
(R)	80-100-99	
(S)	80-100-101	
(T)	80-100-103	

LEGEND

- Vitrified Sanitary
- Concrete Sanitary
- Vitrified Combined
- Concrete Combined
- Brick Combined
- Vit or Con. Storm
- Manhole
- M.H. Inlet Top
- Catch Basin
- Lamp Hole
- Stand Pipe
- Inlet
- Clean Out
- Flow Monitor
- Dead Reference
- Map Reference

1506B474

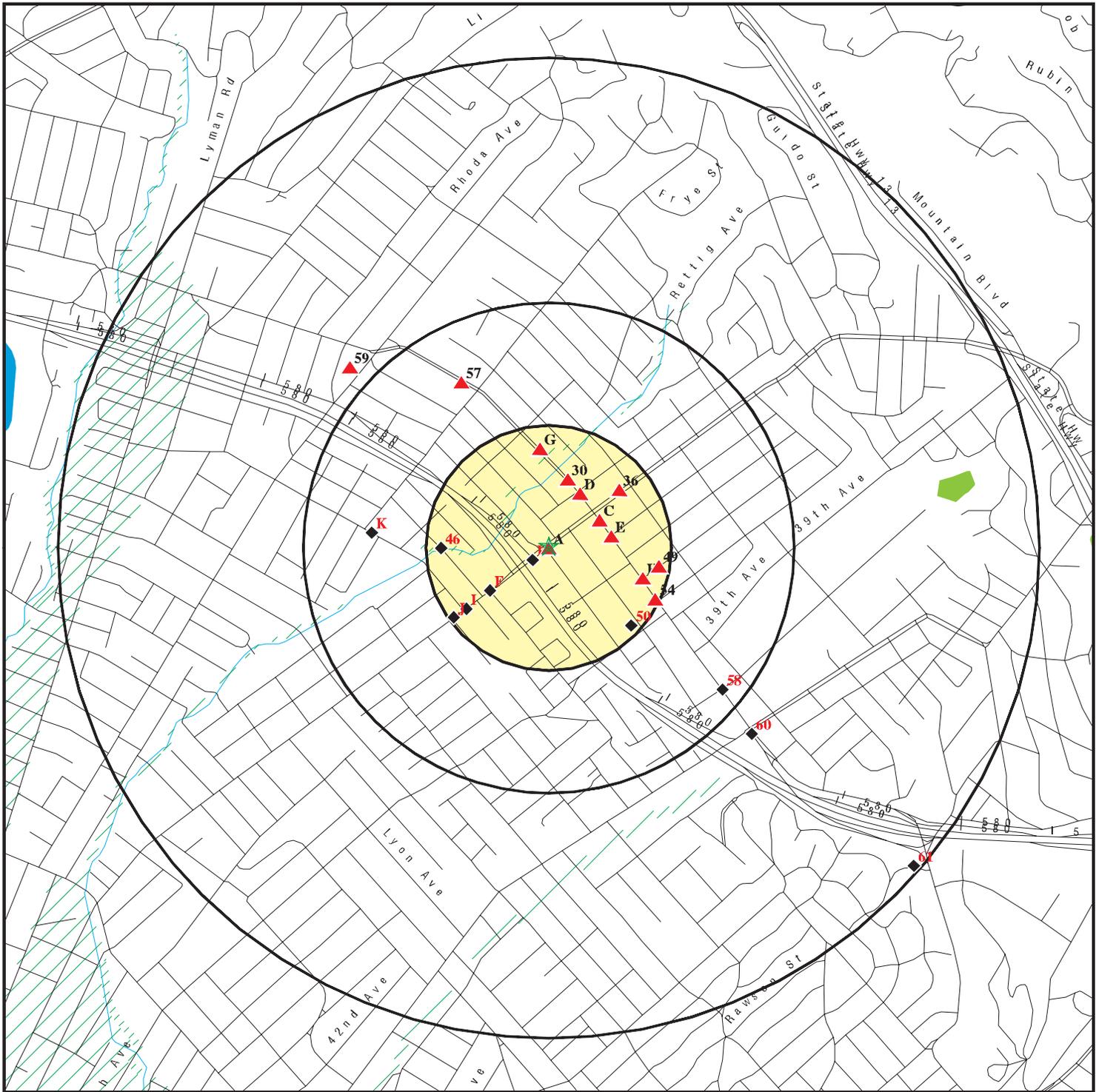
post D-9173-75
in Ray's print

Appendix C

EDR Radius Map Report (Select Sections)

**(The EDR Radius MapTM – Overview Map
GeoCheck[®] - Physical Setting Source Map and Findings)**

OVERVIEW MAP - 4210457.2S



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

▲ Manufactured Gas Plants

■ National Priority List Sites

■ Dept. Defense Sites

■ Indian Reservations BIA

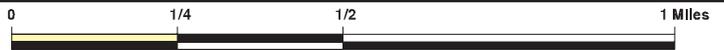
■ Oil & Gas pipelines from USGS

■ 100-year flood zone

■ 500-year flood zone

■ National Wetland Inventory

■ Areas of Concern



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Former Exxon Service Station 70234
 ADDRESS: 3450 35th Avenue
 Oakland CA 94619
 LAT/LONG: 37.7927 / 122.2023

CLIENT: ETIC
 CONTACT: Karina Gillette
 INQUIRY #: 4210457.2s
 DATE: February 18, 2015 8:13 am

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

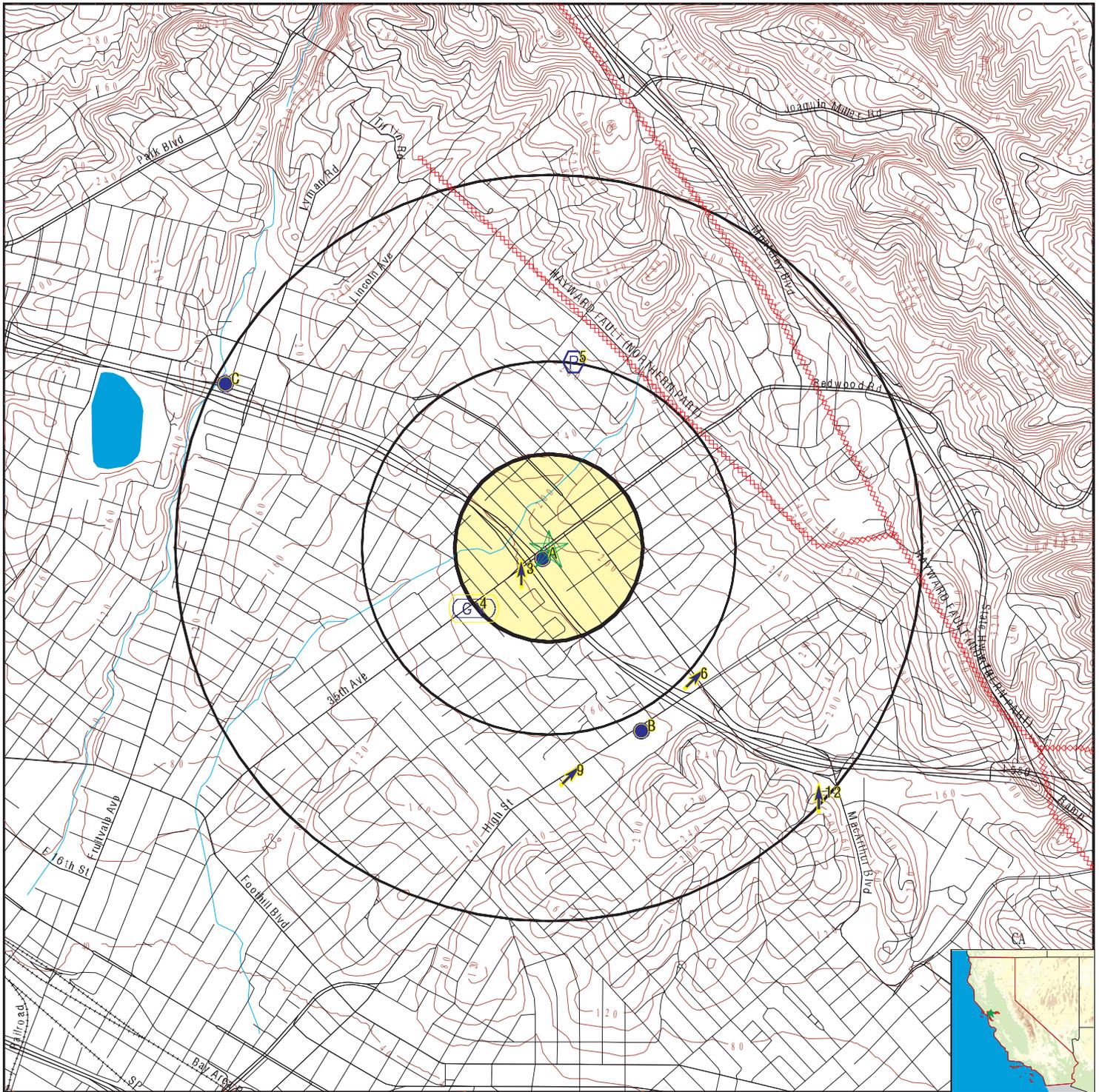
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
5	CA4800555	1/2 - 1 Mile North

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 4210457.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: Former Exxon Service Station 70234
 ADDRESS: 3450 35th Avenue
 Oakland CA 94619
 LAT/LONG: 37.7927 / 122.2023

CLIENT: ETIC
 CONTACT: Karina Gillette
 INQUIRY #: 4210457.2s
 DATE: February 18, 2015 8:14 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

A1 SSW 0 - 1/8 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0587 Varies Not Reported Not Reported 12 03/26/1992	AQUIFLOW	63678
--	---	---	-----------------	--------------

A2 SSW 0 - 1/8 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1590 N Not Reported Not Reported 20 05/19/1997	AQUIFLOW	63666
--	---	--	-----------------	--------------

3 SW 0 - 1/8 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0227 N 16.0 26.0 Not Reported 09/13/1991	AQUIFLOW	63825
--	---	--	-----------------	--------------

4 SW 1/4 - 1/2 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0585 Varies Not Reported Not Reported 10-12 08/10/1991	AQUIFLOW	63807
--	---	--	-----------------	--------------

5 North 1/2 - 1 Mile Higher			FRDS PWS	CA4800555
--	--	--	-----------------	------------------

Epa region:	09	State:	CA
Pwsid:	CA4800555		
Pwsname:	RIVERBANK MOBILE HOME		
City served:	Not Reported	State served:	CA
Zip served:	Not Reported	Fips county:	06095
Status:	Closed	Pop srvd:	0
Pwsvcconn:	52	Source:	Groundwater
Pws type:	CWS	Owner:	Private
Contact:	Not Reported		
Contact gname:	Not Reported		
Contact phone:	Not Reported	Contact address1:	PETER M. ORMOND
Contact address2:	518 SCENIC AVENUE	Contact city:	PIEDMONT
Contact state:	CA	Contact zip:	94611
Activity code:	N		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Location Information:

Name:	RIVERBANK MOBILE HOME	Prmsrccd:	GW
Pwstypcd:	CWS		
Popserved:	0		
Add1:	PETER M. ORMOND		
Add2:	518 SCENIC AVENUE		
City:	PIEDMONT	State:	CA
Zip:	94611	Phone:	Not Reported
Cityserv:	Not Reported	Cntyserv:	Not Reported
Stateserv:	CA	Zipserv:	Not Reported

Enforcement Information:

Violation id:	95V0001	Orig cd:	F
Enf fy:	2000	Enf act date:	04/04/2000
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	4006	Orig cd:	S
Enf fy:	2001	Enf act date:	03/14/2001
Enf act detail:	St Violation/Reminder Notice	Enf act cat:	Informal

Enforcement Information:

Violation id:	4005	Orig cd:	S
Enf fy:	2001	Enf act date:	03/14/2001
Enf act detail:	St Violation/Reminder Notice	Enf act cat:	Informal

Enforcement Information:

Violation id:	4004	Orig cd:	S
Enf fy:	2001	Enf act date:	03/14/2001
Enf act detail:	St Violation/Reminder Notice	Enf act cat:	Informal

Violations Information:

Violation id:	95V0001	Orig cd:	F
State:	CA	Viol fy:	1993
Contamcd:	5000		
Contamnm:	Lead and Copper Rule		
Viol code:	51		
Viol name:	Initial Tap Sampling for Pb and Cu		
Rule code:	350		
Rule name:	LCR		
Violmeasur:	0	Unitmeasur:	Not Reported
State mcl:	0	Cmpbdt:	07/01/1993
Cmpedt:	04/04/2000		

Violations Information:

Violation id:	4006	Orig cd:	S
State:	CA	Viol fy:	2000
Contamcd:	4030		
Contamnm:	Radium-228		
Viol code:	03		
Viol name:	Monitoring, Regular		
Rule code:	340		
Rule name:	Rads		
Violmeasur:	Not Reported	Unitmeasur:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State mcl: Not Reported Cmpbdt: 01/01/2000
Cmpedt: 12/31/2000

Violations Information:

Violocation id: 4005 Orig cd: S
State: CA Viol fy: 2000
Contamcd: 4020
Contamnm: Radium-226
Viol code: 03
Viol name: Monitoring, Regular
Rule code: 340
Rule name: Rads
Violmeasur: Not Reported Unitmeasur: Not Reported
State mcl: Not Reported Cmpbdt: 01/01/2000
Cmpedt: 12/31/2000

Violations Information:

Violocation id: 4004 Orig cd: S
State: CA Viol fy: 2000
Contamcd: 1040
Contamnm: Nitrate
Viol code: 03
Viol name: Monitoring, Regular
Rule code: 331
Rule name: Nitrates
Violmeasur: Not Reported Unitmeasur: Not Reported
State mcl: Not Reported Cmpbdt: 01/01/2000
Cmpedt: 12/31/2000

PWS ID: CA4800555
Date Initiated: Not Reported Date Deactivated: Not Reported
PWS Name: RIVERBANK MOBILE HOME
 RIO VISTA, CA 94571

Addressee / Facility: System Owner/Responsible Party
 TJOMAS SCHULTE
 P O BOX 603
 PALO ALTO, CA 94306

Facility Latitude: 37 48 00 Facility Longitude: 122 12 00
City Served: Not Reported
Treatment Class: Untreated Population: 52

Violations information not reported.

ENFORCEMENT INFORMATION:

System Name: RIVERBANK MOBILE HOME
Violation Type: MCL, Monthly (TCR)
Contaminant: COLIFORM (TCR)
Compliance Period: 1994-09-01 - 1994-09-30
Violation ID: 9404001
Enforcement Date: 1994-09-29 Enf. Action: State Violation/Reminder Notice

System Name: RIVERBANK MOBILE HOME
Violation Type: Initial Tap Sampling for Pb and Cu
Contaminant: LEAD & COPPER RULE
Compliance Period: 1993-07-01 - 2000-04-04
Violation ID: 95V0001
Enforcement Date: 2000-04-04 Enf. Action: State Compliance Achieved

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

ENFORCEMENT INFORMATION:

System Name:	RIVERBANK MOBILE HOME		
Violation Type:	Initial Tap Sampling for Pb and Cu		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	1993-07-01 - 2000-04-04		
Violation ID:	95V0001		
Enforcement Date:	2000-04-04	Enf. Action:	State Compliance Achieved
System Name:	RIVERBANK MOBILE HOME		
Violation Type:	Initial Tap Sampling for Pb and Cu		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	1993-07-01 - 2015-12-31		
Violation ID:	95V0001		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
System Name:	RIVERBANK MOBILE HOME		
Violation Type:	Initial Tap Sampling for Pb and Cu		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	7/1/1993 0:00:00 - 4/4/2000 0:00:00		
Violation ID:	95V0001		
Enforcement Date:	4/4/2000 0:00:00	Enf. Action:	State Compliance Achieved

6 SE 1/2 - 1 Mile Lower	Site ID:	01-1366		
	Groundwater Flow:	NE	AQUIFLOW	63795
	Shallow Water Depth:	8.00		
	Deep Water Depth:	20		
	Average Water Depth:	Not Reported		
	Date:	06/30/1992		

B7 SSE 1/2 - 1 Mile Lower	Site ID:	01-0996		
	Groundwater Flow:	Varies	AQUIFLOW	52378
	Shallow Water Depth:	2.0		
	Deep Water Depth:	5.0		
	Average Water Depth:	Not Reported		
	Date:	10/06/1986		

B8 SSE 1/2 - 1 Mile Lower	Site ID:	01-0996		
	Groundwater Flow:	NW	AQUIFLOW	52379
	Shallow Water Depth:	12.0		
	Deep Water Depth:	15.0		
	Average Water Depth:	Not Reported		
	Date:	01/21/1997		

9 South 1/2 - 1 Mile Lower	Site ID:	01-0100		
	Groundwater Flow:	NE	AQUIFLOW	64095
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	12		
	Date:	06/14/1996		

C10 WNW 1/2 - 1 Mile Lower	Site ID:	01-1952		
	Groundwater Flow:	SW	AQUIFLOW	55843
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	5		
	Date:	05/13/1998		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

C11 WNW 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1952 NE,W,Varies Not Reported Not Reported Not Reported 02/16/1998	AQUIFLOW	55845
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12 SE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1592 N Not Reported Not Reported 30 05/27/1997	AQUIFLOW	63698
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