

RECEIVED

By Alameda County Environmental Health 8:40 am, Jun 29, 2017

Keith Nowell, P.G., C.HG
Alameda County Environmental Health (ACEH)
1131 Harbor Bay Parkway
Alameda, California 94502

Subject: **TRANSMITTAL LETTER & ACKNOWLEDGEMENT STATEMENT**

Location: **Former Exxon Station, 3055 35th Avenue, Oakland**

ACEH LOP#: **RO-0000271; GeoTracker #: T0600100538;**

Dear Mr. Nowell:

I have read and acknowledge the content, recommendations, and/or conclusions contained in the attached document or report submitted on my behalf to ACDEH's FTP server and SWRCB's GeoTracker website.

Sincerely,



Lynn Worthington

Golden Empire Properties, Inc.



Weber, Hayes & Associates
Hydrogeology and Environmental Engineering
120 Westgate Drive, Watsonville, CA 95076
(831) 722-3580 // www.weber-hayes.com

June 27, 2017

Keith Nowell, PG, CHG
Alameda County Department of Environmental Health
Local Oversight Program (LOP) for Hazardous Materials Releases
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

**Subject: Work Plan Addendum
Install and Sample Piezometers to Evaluate Shallow Groundwater**

**Site: Former Exxon, 3055 35th Avenue, Oakland, CA, Fuel Leak Case RO0000271
GeoTracker Global ID T0600100538**

Dear Mr. Nowell:

This *Work Plan Addendum* describes our plan for installing and sampling piezometers to evaluate shallow groundwater at the Former Exxon, 3055 35th Avenue, Oakland, California (the Site, Figure 1). This plan was developed in response to the directive issued during the *Underground Storage Tank Expedited Claim Account Pilot Project Joint Execution Team (JET) Meeting*, on June 1, 2017.¹ This addendum is subsequent to our approved *Work Plan for Additional Site Investigation*.²

Results of the proposed activities will aid in assessing the presence and status of shallow groundwater, and whether the existing monitoring and remediation wells (screened approximately 5 to 30 feet below ground surface) at the site are properly screened or allow deeper groundwater to contact hydrocarbon-impacted shallow soils.

Background information regarding the release, previous investigations, and clean-up can be found in the *Work Plan for Additional Site Investigation*.

¹ *Underground Storage Tank Expedited Claim Account Pilot Project (ECAP) Joint Execution Team (JET) Meeting Agenda with Notes, UST Claim #1275, Exxon, 3055 35th Ave, Alameda County, June 1, 2017*

² Weber, Hayes, and Associates, *Work Plan for Additional Site Investigation*, December 16, 2016

Our proposed Scope of Work entails:

- Obtaining drilling permits from Alameda County Department of Public Works
- Installing two ¾-inch diameter piezometers to a depth of approximately 12.5 feet below ground surface (bgs) using a Geoprobe® hydraulic driven direct-push drill rig. Each piezometer will have a pre-packed 5-foot long screened section at its' base (from approximately 7.5 to 12.5 feet bgs and 7 feet of blank casing to the ground surface). The piezometers will be completed with flush-mounted vaults at the ground surface. Additional information on piezometer construction is presented in our Field Methodologies, Appendix A. The proposed locations of the piezometers are shown on Figure 2 – one is upgradient of well MW-3 and one is downgradient on the adjacent property.

As discussed in the June 1, 2017 JET phone meeting, the design of the piezometers is based on the lithology observed in direct-push soil boring DP-13, which was drilled upgradient of well MW-3 in April 2017. The Geologic Log of Boring DP-13 is presented on Figure 3. Charts showing the groundwater elevation over time in monitoring wells MW-1 through 4 are shown on Figures 4 through 7, respectively. These charts illustrate how groundwater levels generally rise in the winter and decline in the summer.

Groundwater elevation measurements are summarized in Table 1. Measurements at the site indicate groundwater levels in monitoring and remediation wells fell to approximately 11-12 feet bgs in early June. **We anticipate that the piezometers will be dry when installed.**

- Returning to the site after at least forty-eight hours has elapsed following piezometer construction (to allow the seal to set) to develop the piezometers and collect groundwater samples (if water is present in the piezometers). If the piezometers are dry, field work will cease and the piezometers will be left in place. If there is sufficient water in the piezometers, the depth-to-groundwater will be measured in the piezometers and all the monitoring and remediation wells at the site in addition to collecting samples from the piezometers.

- If samples are collected from the piezometers they will be analyzed at a State Certified Laboratory for Total Petroleum Hydrocarbons as gasoline (TPH-g), benzene, toluene ethylbenzene and xylenes (BTEX), Methyl tert Butyl Ether (MTBE), and Tertiary Butyl Alcohol (TBA) by EPA method 8260.

Field work will be conducted in accordance with our Standard Field Methodologies, which are presented in Appendix A. Our proposed Scope of Work is expected to take approximately one week of field time.

Permitting and scheduling will begin immediately upon receipt of approval to implement this *Work Plan* from Alameda County Department of Environmental Health (ACDEH).

Information on the presence or absence of water in the piezometers will be transmitted to the JET by e-mail after the initial field mobilization is complete. Analytical results from piezometer samples (if water is present) will be reported to the JET by e-mail when they are received.

A discussion of this work will be incorporated into the *Technical Report of Additional Site Investigation / Feasibility Study / Corrective Action Plan* required by ACDEH. To complete the proposed Scope of Work, the soil gas sampling portion of the approved December 16, 2016 *Work Plan* (which has been delayed, with JET approval, due to shallow saturated conditions), laboratory analyses, and to compile and evaluate all the collected data and prepare the Technical Investigation Report, **we request a time extension to September 29, 2017.**

Our service consists of professional opinions and recommendations made in accordance with generally accepted engineering and geologic principles and practices. This warranty is in lieu of all others, either expressed or implied. The analysis and conclusions in this report are based on sampling and testing which are necessarily limited. Additional data from future work may lead to modifications of the opinions expressed herein. All work was conducted under the direct supervision of a Professional Engineer and/or Geologist, registered in the state of California, and experienced in environmental assessment and remediation.

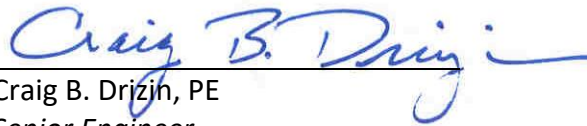
If you have any questions or comments regarding this *Work Plan Addendum* please contact us at our offices at 831-722-3580, or by electronic mail at craig@weber-hayes.com.

Sincerely yours,

WEBER, HAYES AND ASSOCIATES

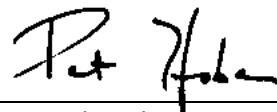
A California Corporation

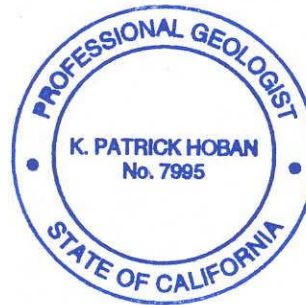
By:


Craig B. Drizin, PE
Senior Engineer



And:

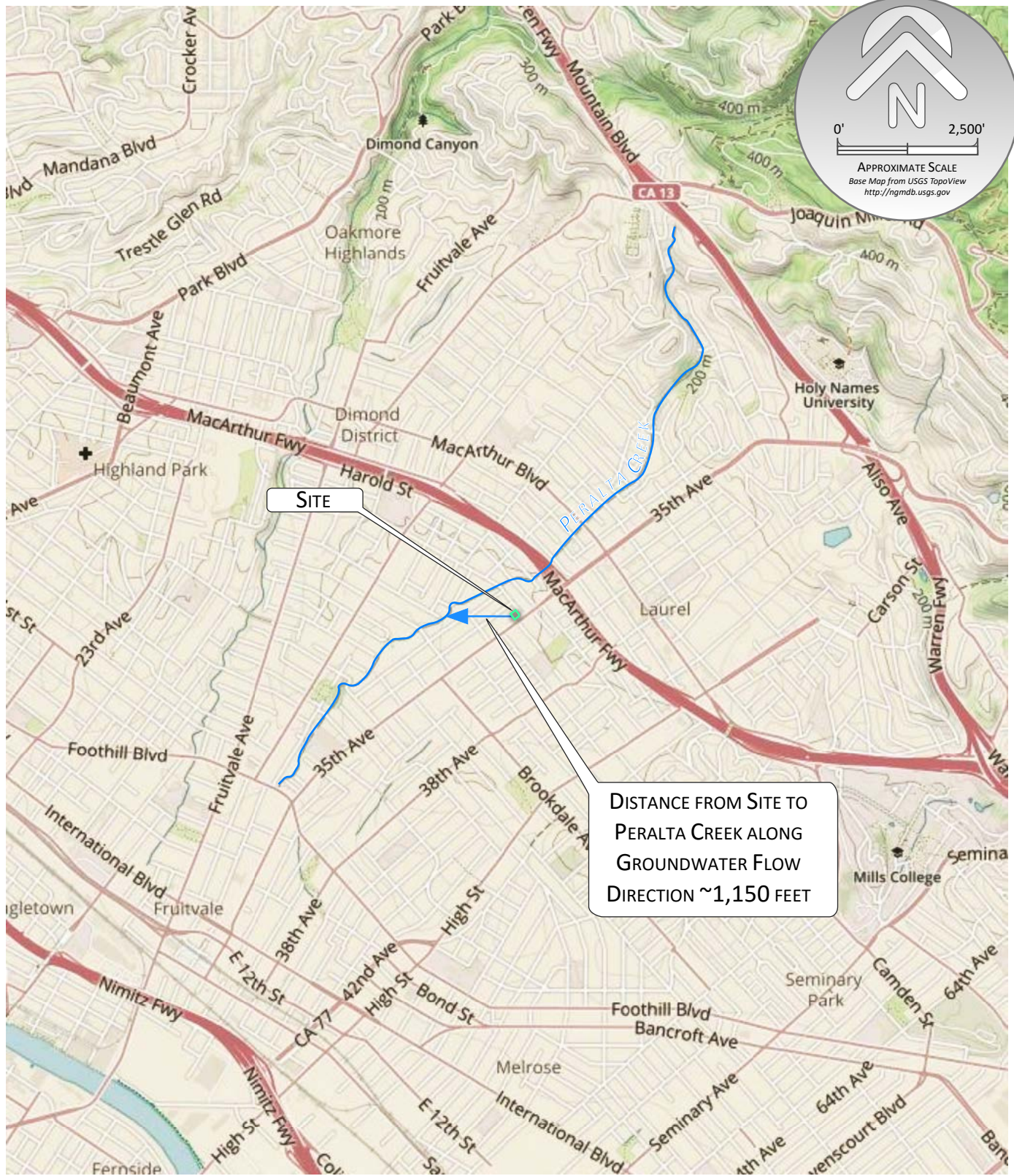

Patrick Hoban
Senior Geologist



Attachments:

- Figure 1: Location Map
- Figure 2: Proposed Piezometer Locations
- Figure 3: Geologic Log, Boring DP-13
- Figure 4: TPHg and Benzene Concentration Trends Well MW-1
- Figure 5: TPHg and Benzene Concentration Trends Well MW-2
- Figure 6: TPHg and Benzene Concentration Trends Well MW-3
- Figure 7: TPHg and Benzene Concentration Trends Well MW-4
- Table 1: Current & Historic Groundwater Elevation and Analytical Data
- Appendix A: Field Methodologies

FIGURES



WEBER, HAYES & ASSOCIATES
Hydrogeology and Environmental Engineering
120 Westgate Drive, Watsonville, CA
831.722.3580 / www.weber-hayes.com

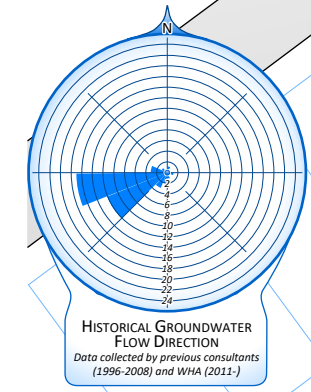
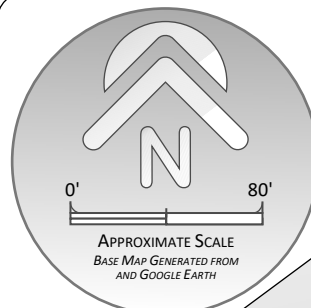
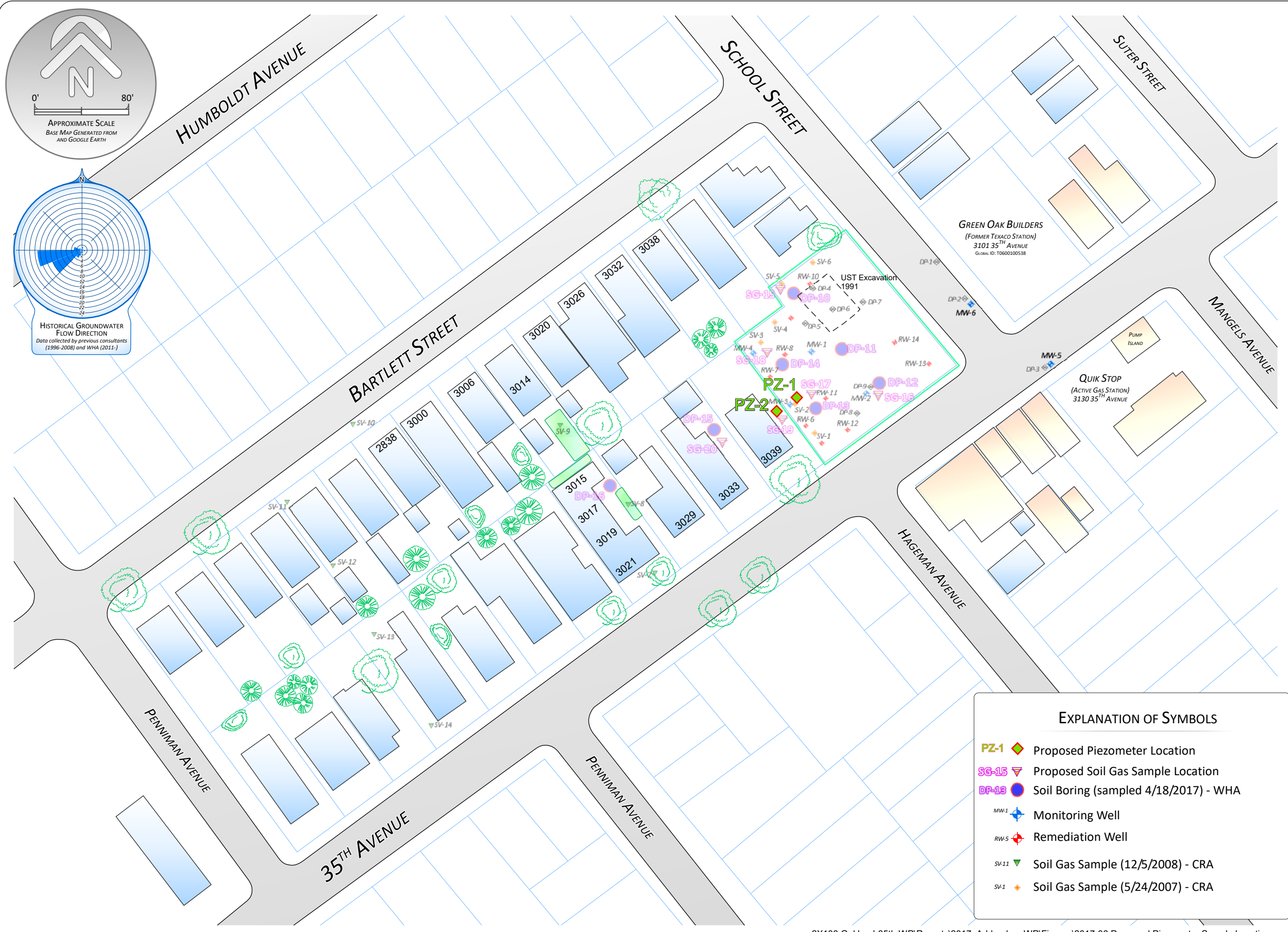
LOCATION MAP

SITE: FORMER EXXON STATION
ADDRESS: 3055 35TH AVENUE, OAKLAND, CA

DATE: SEPTEMBER 2015

REVISIONS/NOTES:

FIGURE
1
Project
2X103.C



EXPLANATION OF SYMBOLS

| | |
|----------------|---------------------------------------|
| PZ-1 ◆ | Proposed Piezometer Location |
| SG-15 ▼ | Proposed Soil Gas Sample Location |
| BP-13 ● | Soil Boring (sampled 4/18/2017) - WHA |
| MW-1 ⊕ | Monitoring Well |
| RW-5 ⊕ | Remediation Well |
| SV-11 ▼ | Soil Gas Sample (12/5/2008) - CRA |
| SV-1 ◆ | Soil Gas Sample (5/24/2007) - CRA |

FIGURE 2
Project 2X103.F

PROPOSED PIEZOMETER LOCATIONS

SITE: FORMER EXXON STATION
ADDRESS: 3055 35TH AVENUE, OAKLAND, CA

DATE: JUNE 2017

REVISIONS/NOTES:



WEBER, HAYES & ASSOCIATES
Hydrogeology and Environmental Engineering
120 Westgate Drive, Watsonville, CA
831.722.3580 / www.weber-hayes.com



GEOLOGIC LOG

Hydraulic Driven Geo-Probe Boring

JOB NO.: 2X103.G DATE: April 18, 2017

CLIENT: Golden Empire Properties

LOCATION: 3055 35th Avenue, Oakland, CA

LOGGED BY: J. Chaney, PG #8452

DRILLER: Cascade (Juan & Carlos)

DRILL METHOD: Hydraulic Driven Dual Wall Probes

BORING #

DP-13

Sheet
1 of 2

| Depth (feet) | Sample Interval | Sample Analyzed | Sample Identification & Field PID Data Calibrated for TVOC (ppm) | Groundwater Depth | Lithologic Pattern | USCS symbol | SOIL DESCRIPTION & CLASSIFICATION (Lithologic name, color, moisture, density/consistency, grain size%, other descriptors, chemical odor.) |
|--------------|-----------------|-----------------|-----------------------------------------------------------------------------------------|-------------------|--------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0 | | | | | | SM | Silty SAND w/ Gravel , dark brown (10YR 3/3), wet to saturated, appears medium dense, 60-70% fine to medium sand, 20-30% silt fines, ~10% fine to medium gravels, no odor, no discoloration. - Gradational contact. |
| 1 | | | | | | SC | Clayey SAND , very dark brown (10YR 2/2), damp, appears medium dense, slightly plastic, 60-70% fine to medium sand, trace coarse sand, trace localized fine gravel, 30-40% fine clay fines, no odor, no discoloration. Gradational contact. |
| 2 | | | DP-13-d2 @ 0 ppm | | | SW | Well Graded SAND w/ Silt/Clay & Gravel , dominantly olive brown (2.5Y 4/4), dry to damp, appears medium dense, 40-50% fine to medium sand, up to 10% coarse sand, 20-25% fine to medium subangular gravels, 15-20% clay/silt fines, no odor, no discoloration. |
| 3 | | | | | | | |
| 4 | | | DP-13-d4 @ 0 ppm | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | DP-13-d7 @ 0 ppm | | | | - Generally same as above. |
| 8 | | | DP-13-d8 @ 0 ppm | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |
| 11 | | | DP-13-d10 @ 22.8 ppm | | | | - Low hydrocarbon odor. |
| 12 | | | Depth to groundwater ~1.5 hours following boring completion measured at ~11.5 feet bgs. | | | | - Gradational contact |
| 13 | | | | | | SW | Sandy CLAY w/ Gravel , dark yellowish brown (10YR 4/4), dry to slightly damp, very stiff to hard, dominantly clay fines, 25-30% fine to medium sand, some coarse sand, 10-15% fine subangular to subrounded gravels, low to moderate odor, no discoloration. |
| 14 | | | | | | | |
| 15 | | | DP-13-d15 @ 340 ppm | | | | - Moderate to strong hydrocarbon odor. |
| 16 | | | | | | | - Gradational contact. |
| 17 | | | | | | | |
| 18 | | | | | | SC | Well Graded SAND w/ Silt/Clay & Gravel , dominantly olive brown (2.5Y 4/4), dry to damp, appears medium dense, 40-50% fine to medium sand, up to 10% coarse sand, 20-25% fine to medium subangular gravels, 15-20% clay/silt fines, moderate odor, no apparent discoloration. |
| 19 | | | | | | | |
| 20 | | | | | | | |

Figure 3



GEOLOGIC LOG

Hydraulic Driven Geo-Probe Boring

JOB NO.: 2X103.G DATE: April 18, 2017

CLIENT: Golden Empire Properties

LOCATION: 3055 35th Avenue, Oakland, CA

LOGGED BY: J. Chaney, PG #8452

DRILLER: Cascade (Jose & Carlos)

DRILL METHOD: Hydraulic Driven Dual Wall Probes

BORING #

DP-13

Sheet
2 of 2

| Depth (feet) | Sample Interval | Sample Analyzed | Sample Identification & Field PID Data Calibrated for TVOC (ppm) | Groundwater Depth | Lithologic Pattern | USCS symbol | SOIL DESCRIPTION & CLASSIFICATION (Lithologic name, color, moisture, density/consistency, grain size%, other descriptors, chemical odor.) |
|--------------|-----------------|-----------------|------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 20 | | | DP-13-d20 @ 3.1 ppm | | | sw | Well Graded SAND w/ Silt/Clay & Gravel , dominantly olive brown (2.5Y 4/4), dry to damp, appears medium dense, 40-50% fine to medium sand, up to 10% coarse sand, 20-25% fine to medium subangular gravels, 15-20% clay/silt fines, trace odor, no discoloration. Gradational contact. |
| 21 | | | | | | sc | Sandy CLAY , dark yellowish brown (10YR 4/4), dry to slightly damp, very stiff to hard, dominantly clay fines, 30-40% fine to medium sand, trace coarse sand, trace fine subrounded gravels, low to moderate odor, no discoloration. |
| 22 | | | | | | | |
| 23 | | | | | | | |
| 24 | | | | | | | |
| 25 | | | DP-13-d25 @ 0.9 ppm | | | | |
| 26 | | | | | | | - Coarse sand content increasing with depth; 10-15% |
| 27 | | | | | | | - Gradational contact. |
| 28 | | | | First groundwater encountered under confined conditions at ~27.5 feet bgs. | | sw | Clayey SAND , dominantly olive brown (2.5Y 4/4), very moist to slightly wet, appears medium dense, 50-60% fine to medium sand, up to 10-15% coarse sand, 20-25% clay/silt fines, trace fine gravels, no odor, no apparent discoloration. |
| 29 | | | | | | | |
| 30 | | | 0 ppm | | | | |
| 31 | | | | | | | - Terminate boring at 30 feet bgs. |
| 32 | | | | | | | - Insert 5 feet of 3/4-inch PVC 0.010-slot screen (screened interval from 25-30 feet bgs). Collect grab groundwater sample via peristaltic pump and new poly tubing. |
| 33 | | | | | | | - Seal borehole with neat cement grout following sample collection. |
| 34 | | | | | | | |
| 35 | | | | | | | |
| 36 | | | | | | | |
| 37 | | | | | | | |
| 38 | | | | | | | |
| 39 | | | | | | | |
| 40 | | | | | | | |

Figure 4
TPHg and Benzene Concentration Trends
Well MW-1 (March 1997 to July 2015)

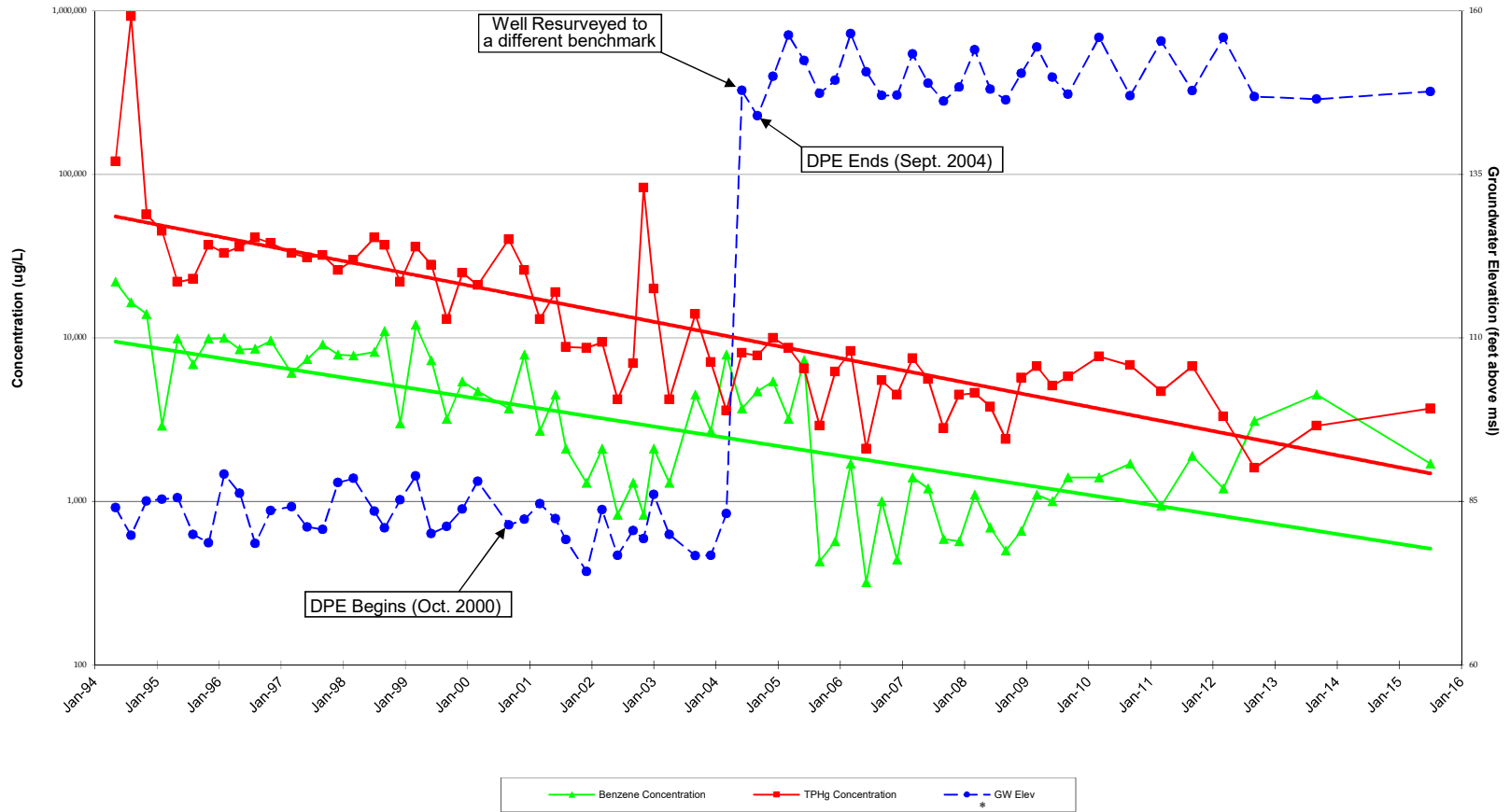


Figure 5
TPHg and Benzene Concentration Trends
Well MW-2 (March 1997 to July 2015)

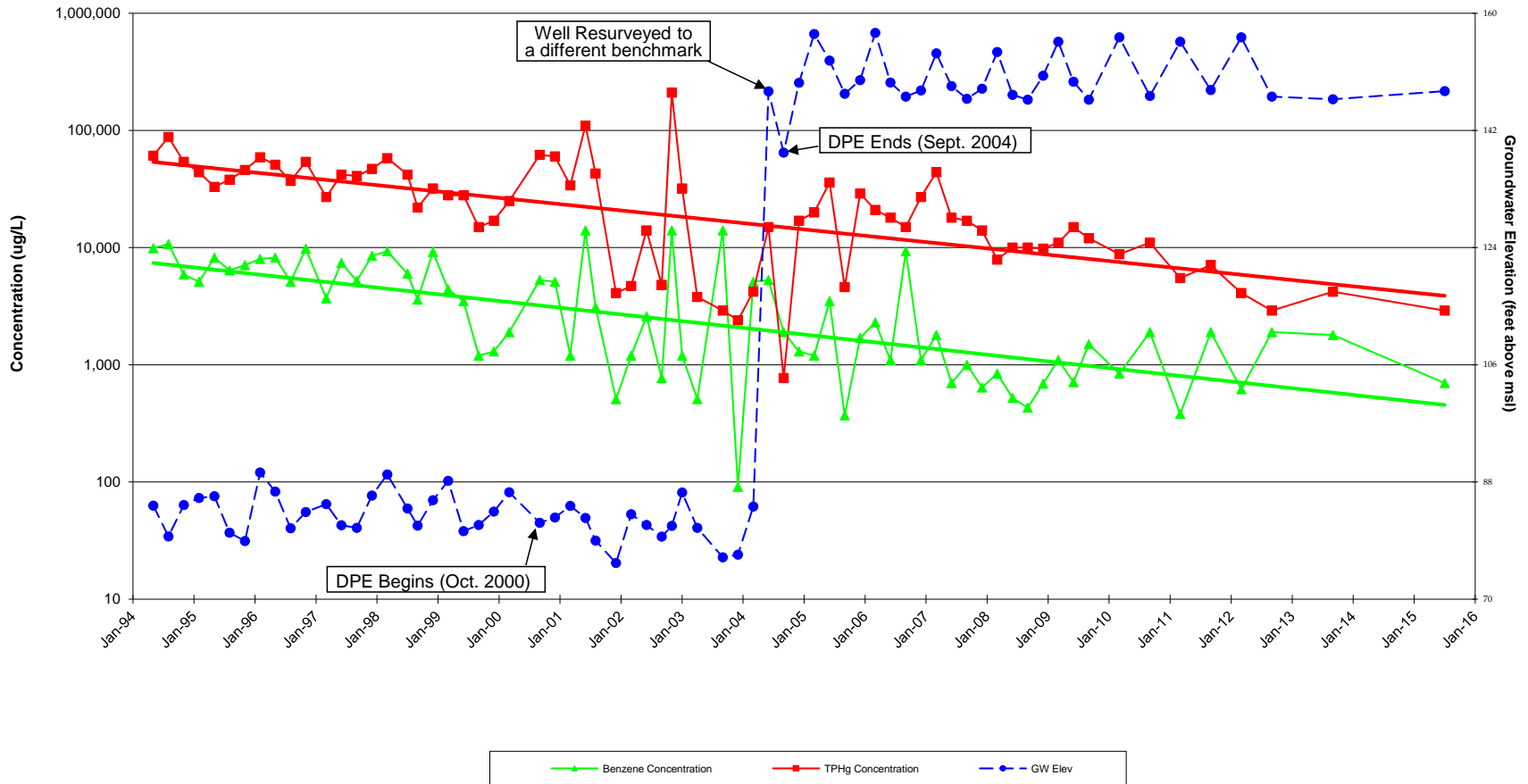


Figure 6
TPHg and Benzene Concentration Trends
Well MW-3 (March 1997 to July 2015)

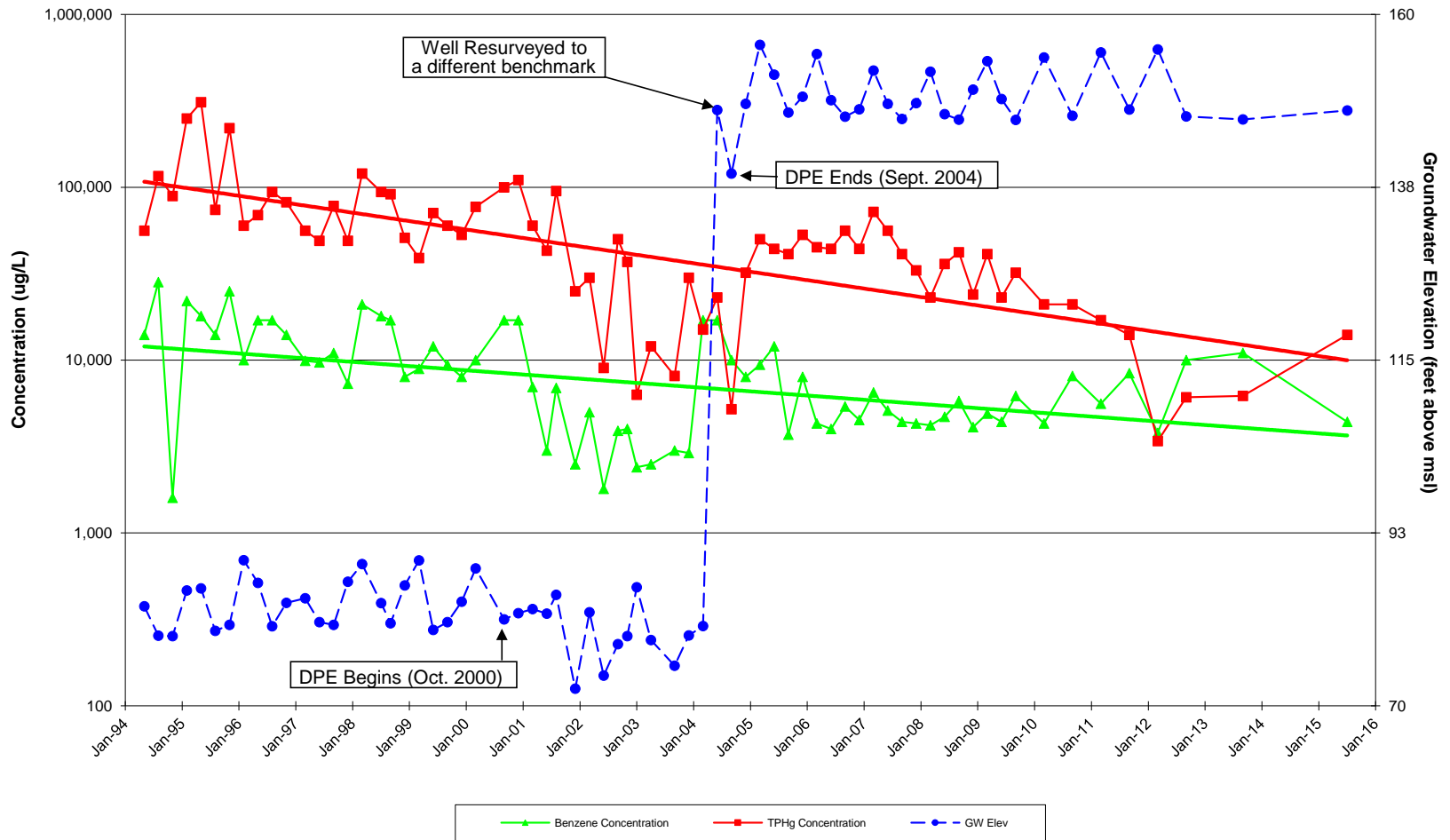
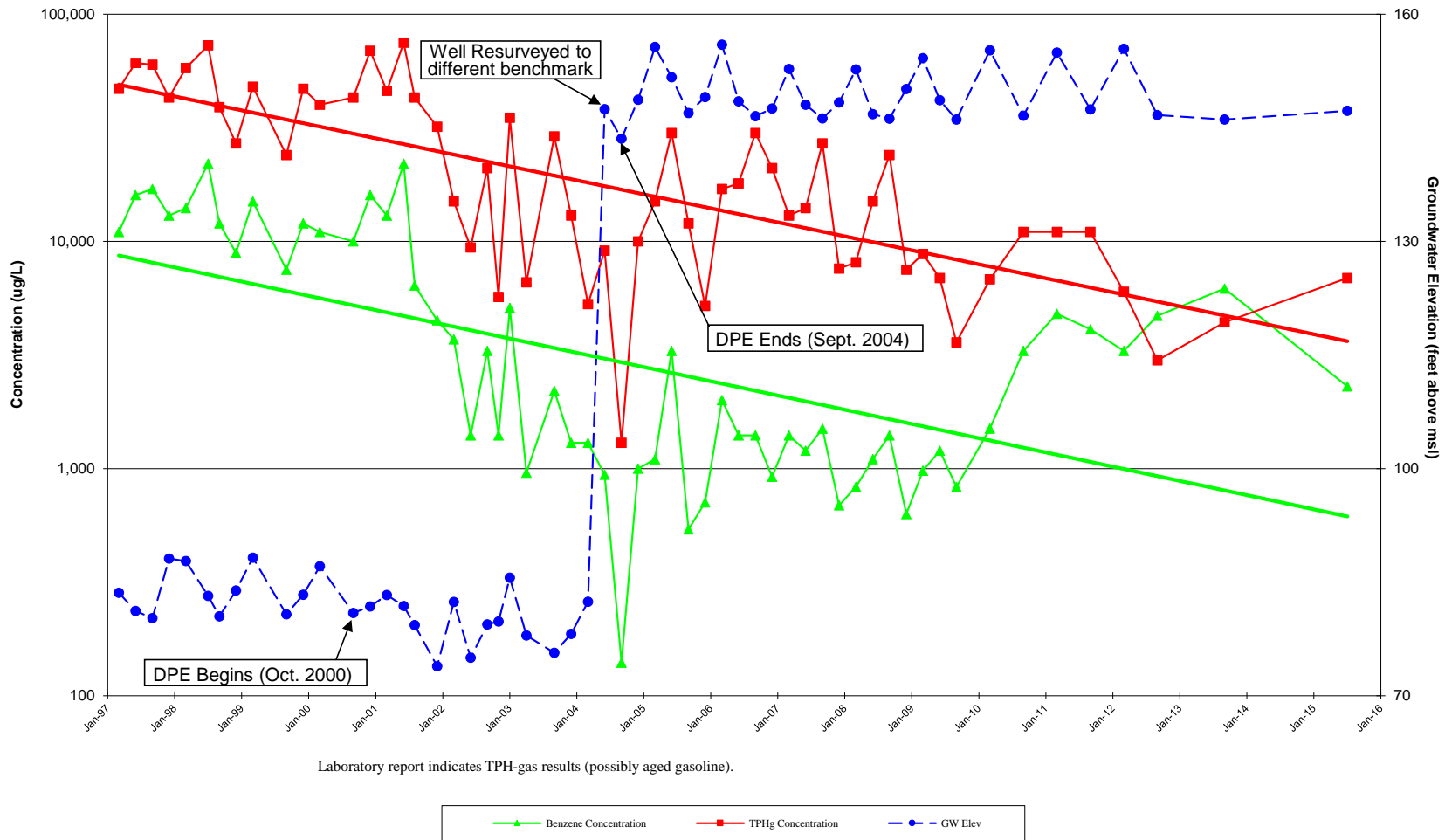


Figure 7
TPHg and Benzene Concentration Trends
Well MW-4 (March 1997 to July 2015)



TABLES

Table 1: Current & Historic Groundwater Elevation and Analytical Data - Monitoring Wells

FORMER EXXON SERVICE STATION

3055 35th AVENUE, OAKLAND, CALIFORNIA

All groundwater results are micrograms per liter (ug/L, parts per billion, ppb)

| Monitoring Point Information | | | Date | SPH (feet) | Note | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet, MSL) | Petroleum Hydrocarbon Concentration Data | | | | | | | | | | | Field Measurements Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | | |
|-----------------------------------------------|------------------------|----------------------|------------------------|------------------------|------------------------|----------------------------------|-------------------------------------------|----------------------------------------------|-----------------------|--------------------|----------------------------|---------|--------------|---------|--------|-------|--------|-----------|-----------------------------------------------|---------------------------------------|-------------------------|---------------|
| Well Identification # Casing Diameter | Screen Interval (feet) | TOC Elevation (feet) | | | | | | Total Petroleum Hydrocarbons | | | Volatile Organic Compounds | | | | | | | | | | | |
| | | | | | | | | Diesel | Fuel Oil | Gasoline | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | TBA | EDB | 1,2-DCE | | | DIPE, ETBE, TAME (ug/L) | |
| MW-1 4-inch | 10 - 25 | 167.02 | 3/29/2017 | -- | | 10.68 | 156.34 | 1,240* | -- | 2,940 | 1,100 | < 1.2 | < 1.6 | < 4.6 | 29 | 210 | -- | -- | < 1.0 - 0.60 | 8.83 | -262.9 | |
| | | | 7/15/2015 | -- | | 19.35 | 147.67 | 1,400*** | -- | 3,700* | 1,700 | 2.0l | 16 | 1.8l | 17 | 110 | < 4.2 | < 4.2 | < 4.2 | 0.37 | -126 | |
| | | | 1/9/2014 | -- | | 20.49 | 146.53 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.89 | -110 |
| | | | 9/20/2013 | -- | | 20.51 | 146.51 | 1,500*** | -- | 2,900A | 4,500 | 9.6 | 150 | 6.8l | < 1.4 | 98 | < 0.57 | < 0.95 | < 0.80 - 1.3 | 0.77 | -88 | |
| | | | 6/25/2013 | -- | | 19.58 | 147.44 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.74 | -100 |
| | | | 3/13/2013 | -- | | 16.84 | 150.18 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.28 | -79 |
| | | | 11/9/2012 | -- | | 18.58 | 148.44 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | 9/28/2012 | -- | | 20.14 | 146.88 | 1,800*** | -- | 1,600* | 3,100 | 9 | 110 | 9.4l | < 1.5 | 210 | < 0.59 | < 0.99 | < 0.84 - 1.4 | 0.85 | -109 | |
| | | | 3/30/2012 | -- | | 11.10 | 155.92 | 1,400*** | -- | 3,300A | 1,200 | 3.6l | 82 | 8.7l | < 1.5 | < 14 | < 0.59 | < 0.99 | < 0.84 - 1.4 | 2.39 | -100 | |
| | | | 9/22/2011 | -- | | 19.22 | 147.80 | 690** | -- | 6,700* | 1,900 | < 8.4 | 690** | 140 | < 14.4 | 23 | -- | -- | -- | -- | 0.72 | -91 |
| | | | 3/17/2011 | -- | | 11.65 | 155.37 | 1,100 ^e | -- | 4,700 ^d | 940 | 17 | 5.7 | 55 | (34) | -- | -- | -- | -- | -- | 0.69 | Not operating |
| | | | 9/10/2010 | -- | (Z) ^{TPHD} | 19.99 | 147.03 | 1,700 ^{e,f} (790) ^{e,f} | -- | 6,800 ^d | 1,700 | 17 | 150 | 150 | (28) | -- | -- | -- | -- | -- | 0.65 | Not operating |
| | | | 3/14/2010 | -- | (Z) ^{TPHD} | 11.08 | 155.94 | 2,100 ^{e,f} (2,000) ^{e,f} | -- | 7,700 ^d | 1,400 | 22 | 10 | 210 | (42) | -- | -- | -- | -- | -- | 1.64 | Not operating |
| | | | 9/5/2009 | -- | (Z) ^{TPHD} | 19.78 | 147.24 | 1500 ^{e,f,k} (1,200) ^{e,k} | -- | 5,800 ^d | 1,400 | 21 | 60 | 150 | (37) | -- | -- | -- | -- | -- | 1.22 | Not operating |
| | | | 6/7/2009 | Sheen ^{Field} | (Z) ^{TPHD} | 17.17 | 149.85 | 1,400 ^{e,f,m} (690) ^e | -- | 5,100 ^d | 1,000 | 9.2 | 35 | 71 | (42) | -- | -- | -- | -- | -- | 0.95 | Not operating |
| | | 3/14/2009 | Sheen ^{Field} | (Z) ^{TPHD} | 12.57 | 154.45 | 2,000 ^{e,f,k} (860) ^e | -- | 6,700 ^d | 1,100 | 23 | 100 | 180 | (35) | -- | -- | -- | -- | -- | 1.19 | Not operating | |
| | | 12/28/2008 | Sheen ^{Field} | (Z) ^{TPHD} | 16.57 | 150.45 | (2,800 ^e) | < 250 | 5,700 ^d | 660 | 17 | 110 | 320 | (41) | -- | -- | -- | -- | -- | 1.06 | Not operating | |
| | | 9/6/2008 | -- | (Z) ^{TPHD} | 20.66 | 146.36 | (420 ^e) | -- | 2,400 ^d | 500 | 11 | 30 | 67 | < 75 | -- | -- | -- | -- | -- | 1.20 | Not operating | |
| | | 6/14/2008 | -- | (Z) | 18.98 | 148.04 | (410 ^e) | < 250 | (3,800 ^e) | (690) | (12) | (64) | (240) | < 80 | -- | -- | -- | -- | -- | 1.95 | Not operating | |
| | | 3/9/2008 | Sheen ^{Field} | (Z) | 12.98 | 154.04 | (470 ^e) | < 250 | (4,600 ^d) | (1,100) | (23) | (82) | (140) | < 50 | -- | -- | -- | -- | -- | 1.17 | Not operating | |
| | | 12/8/2007 | Sheen ^{Field} | | 18.66 | 148.36 | 520 ^{e,f} | -- | 4,500 ^d | 570 | 13 | 57 | 200 | < 120 | -- | -- | -- | -- | -- | 1.24 | Not operating | |
| | | 9/6/2007 | -- | | 20.84 | 146.18 | 690 ^{e,f} | -- | 2,800 ^d | 590 | 17 | 35 | 100 | < 80 | -- | -- | -- | -- | -- | 0.90 | Not operating | |
| | | 6/15/2007 | Sheen ^{Field} | | 18.07 | 148.95 | 1,500 ^{e,k,f} | -- | 5,600 ^d | 1,200 | 29 | 84 | 190 | 56 | -- | -- | -- | -- | -- | 0.74 | Not operating | |
| | | 3/16/2007 | -- | | 13.62 | 153.40 | 1,800 ^{e,f} | -- | 7,500 ^d | 1,400 | 30 | 100 | 270 | < 150 | -- | -- | -- | -- | -- | 0.58 | Not operating | |
| | | 12/6/2006 | Sheen ^{Lab} | | 19.92 | 147.10 | 760 ^{e,g} | -- | 4,500 ^{d,g} | 440 | 13 | 42 | 190 | < 60 | -- | -- | -- | -- | -- | 0.55 | Not operating | |
| | | 9/5/2006 | Sheen ^{Lab} | | 19.96 | 147.06 | 1,500 ^{e,f,k,g} | -- | 5,500 ^{d,g} | 1,000 | 45 | 81 | 310 | < 120 | -- | -- | -- | -- | -- | 0.38 | Not operating | |
| | | 6/30/2006 | Sheen ^{Field} | | 16.33 | 150.69 | 1,500 ^{m,k,l} | -- | 2,100 ^{d,l} | 320 | 6.1 | < 1.0 | 77 | < 90 | -- | -- | -- | -- | -- | 0.66 | Not operating | |
| | | 3/22/2006 | Sheen ^{Field} | | 10.52 | 156.50 | 1,100 ^{e,f,k} | -- | 8,300 ^d | 1,700 | 100 | 190 | 660 | < 150 | -- | -- | -- | -- | -- | 0.84 | Not operating | |
| | | 12/14/2005 | Sheen ^{Field} | | 17.63 | 149.39 | 4,000 ^{e,f,k} | -- | 6,200 ^d | 570 | 32 | 72 | 420 | < 110 | -- | -- | -- | -- | -- | 1.08 | Not operating | |
| | | 9/21/2005 | -- | | 19.64 | 147.38 | 860 ^{e,k,f} | -- | 2,900 ^d | 430 | 19 | 46 | 150 | < 50 | < 66 | < 8.6 | < 12 | < 14 - 17 | 1.14 | Not operating | | |
| 6/21/2005 | -- | | 14.60 | 152.42 | 930 ^{e,k} | -- | 6,500 ^d | 820 | 26 | 57 | 110 | < 250 | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 3/7/2005 | -- | | 10.73 | 156.29 | 1,300 ^{e,f,k} | -- | 8,700 ^d | 1,200 | 99 | 140 | 770 | < 500 | -- | -- | -- | -- | -- | 0.91 | Not operating | | | |
| 12/27/2004 | -- | | 17.04 | 83.81 | 1,400 ^e | -- | 10,000 ^d | 2,400 | 170 | 170 | 1,500 | < 120 | -- | -- | -- | -- | -- | 0.41 | Not operating | | | |
| 9/27/2004 | -- | | 23.07 | 77.78 | 1,700 ^e | -- | 7,800 ^d | 1,800 | 110 | 120 | 670 | < 180 | -- | -- | -- | -- | -- | 0.28 | Not operating | | | |
| 6/16/2004 | -- | | 19.20 | 81.65 | 2,300 ^{e,f} | -- | 8,100 ^d | 1,500 | 69 | 22 | 1,000 | < 100 | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 3/18/2004 | -- | | 17.70 | 83.15 | 1,100 ^{e,f} | -- | 3,600 ^d | 650 | 59 | 38 | 370 | < 90 | -- | -- | -- | -- | -- | -- | Operating | | | |
| 12/2/2003 | Sheen ^{Lab} | | 24.12 | 76.73 | 9,300 ^{e,f,g} | -- | 7,100 ^{d,g} | 1,400 | 230 | 160 | 820 | < 100 | -- | -- | -- | -- | -- | -- | Operating | | | |
| 9/3/2003 | -- | | 24.16 | 76.69 | 36,000 ^{e,f} | -- | 14,000 ^d | 300 | 50 | 33 | 480 | < 50 | -- | -- | -- | -- | -- | -- | Operating | | | |
| Laboratory Detection Limit: | | | | | | | | 10 | 20 | 50 | 0.5 | 0.5 | 0.5 | 1.5 | 5 | 5 | 0.5 | 0.5 | 0.5 | Field Instrument | | |
| Water Quality Objectives (WQOs): ¹ | | | | | | | | 1,000 | | | 1 | 150 | 300 | 1,750 | 5 | 12 | 0.05 | 0.5 | -- | -- | -- | |

Table 1: Current & Historic Groundwater Elevation and Analytical Data - Monitoring Wells

FORMER EXXON SERVICE STATION

3055 35th AVENUE, OAKLAND, CALIFORNIA

All groundwater results are micrograms per liter (ug/L, parts per billion, ppb)

| Monitoring Point Information | | | Date | SPH (feet) | Note | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet, MSL) | Petroleum Hydrocarbon Concentration Data | | | | | | | | | | | Field Measurements Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | | | |
|-----------------------------------------------|------------------------|----------------------|------------|------------|------------------------|----------------------------------|-----------------------------------|---------------------------------------------|----------------------------------------------------|---------------------|----------------------------|---------|--------------|---------|-------|---------|--------|---------|-----------------------------------------------|---------------------------------------|-------------------------|------|---------------|
| Well Identification # Casing Diameter | Screen Interval (feet) | TOC Elevation (feet) | | | | | | Total Petroleum Hydrocarbons | | | Volatile Organic Compounds | | | | | | | | | | | | |
| | | | | | | | | Diesel | Fuel Oil | Gasoline | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | TBA | EDB | 1,2-DCE | | | DIPE, ETBE, TAME (ug/L) | | |
| MW-2 4-inch | 10 - 25 | 166.14 | 3/28/2017 | -- | | 9.32 | 156.82 | 1,180* | -- | 4,130* | 440 | < 1.2 | 13 | < 4.6 | 11 | < 25 | < 0.66 | -- | < 1.0 - 0.60 | 7.90 | 13.6 | | |
| | | | 7/15/2015 | -- | | 18.10 | 148.04 | 1,700*** | -- | 2,900* | 700 | 2.6j | 33 | 2.7j | 16 | 46 | < 4.2 | < 4.2 | -- | < 4.2 | 0.33 | -113 | |
| | | | 1/9/2014 | -- | | 19.37 | 146.77 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.17 | -78 |
| | | | 9/20/2013 | -- | | 19.35 | 146.79 | 2,300*** | -- | 4,200A | 1,800 | 11 | 300 | 8.7 | < 1.4 | 120 | < 0.57 | < 0.95 | -- | < 0.80 - 1.3 | 0.44 | -100 | |
| | | | 6/25/2013 | -- | | 18.47 | 147.67 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.56 | -94 |
| | | | 3/13/2013 | -- | | 15.58 | 150.56 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.41 | -82 |
| | | | 11/9/2012 | -- | | 17.41 | 148.73 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | 9/28/2012 | Sheen | Field | 18.95 | 147.19 | 1,500*** | -- | 2,900* | 1,900 | 12 | 270 | 12j | 42 | 300 | < 0.59 | < 0.99 | -- | < 1.1 - 1.5 | 4.27 | -101 | |
| | | | 3/30/2012 | -- | | 9.84 | 156.30 | 1,800*** | -- | 4,100A | 620 | 5.0 | 140 | 8.6j | 21 | < 9.7 | < 0.43 | < 0.71 | -- | < 6.0 - 0.97 | 2.66 | -104 | |
| | | | 9/22/2011 | -- | | 17.94 | 148.20 | 690** | -- | 7,100* | 1,900 | < 8.4 | 350 | < 14.4 | 39 | < 66 | < 8.6 | < 12 | -- | < 14 - 17 | 0.76 | -106 | |
| | | | 3/17/2011 | -- | | 10.51 | 155.63 | 2,200 ^{e,f} | -- | 5,500 ^d | 380 | 12 | 1.8 | 15 | (35) | -- | -- | -- | -- | -- | -- | 0.68 | Not operating |
| | | | 9/10/2010 | -- | (Z ^{TPHD}) | 18.84 | 147.30 | 2,400 ^{e,f} (2,200) ^{e,f} | -- | 11,000 ^d | 1,900 | 40 | 380 | 110 | (81) | -- | -- | -- | -- | -- | -- | 0.40 | Not operating |
| | | | 3/14/2010 | Sheen | Lab | (Z ^{TPHD}) | 9.82 | 156.32 | 20,000 ^{e,f,k,g} (2,900) ^{e,f} | -- | 8,800 ^{d,g} | 840 | 18 | 67 | 92 | (65) | -- | -- | -- | -- | -- | 0.81 | Not operating |
| | | | 9/5/2009 | Sheen | Lab | (Z ^{TPHD}) | 19.41 | 146.73 | 11,000 ^{e,f,k,g} (4,800) ^{e,f,k} | -- | 12,000 ^{d,g} | 1,500 | 30 | 170 | 220 | (77) | -- | -- | -- | -- | -- | 0.95 | Not operating |
| | | | 6/7/2009 | Sheen | Field & Lab | (Z ^{TPHD}) | 16.64 | 149.50 | 13,000 ^{m,f} (2,500) ^e | -- | 15,000 ^d | 710 | 37 | 210 | 180 | (88) | -- | -- | -- | -- | -- | 0.71 | Not operating |
| | | | 3/14/2009 | Sheen | Field | (Z ^{TPHD}) | 10.52 | 155.62 | 3,300 ^{e,f,k} (2,700) ^e | -- | 11,000 ^d | 1,100 | 23 | 23 | 250 | (120) | -- | -- | -- | -- | -- | 0.67 | Not operating |
| | | | 12/28/2008 | Sheen | Field | (Z ^{TPHD}) | 15.73 | 150.41 | (2,400 ^e) | < 250 | 9,800 ^d | 690 | 19 | 250 | 180 | (120) | -- | -- | -- | -- | -- | 0.63 | Not operating |
| | | | 9/6/2008 | Sheen | Field & Lab | (Z ^{TPHD}) | 19.41 | 146.73 | (2,500 ^{e,g}) | -- | 10,000 ^{d,g} | 430 | 17 | 270 | 370 | < 180 | -- | -- | -- | -- | -- | 0.81 | Not operating |
| | | | 6/14/2008 | Sheen | Field | (Z) | 18.66 | 147.48 | (2,500 ^e) | < 250 | (10,000 ^d) | (520) | (18) | (200) | (370) | (< 350) | -- | -- | -- | -- | -- | 0.97 | Not operating |
| | | | 3/9/2008 | Sheen | Field | (Z) | 12.09 | 154.05 | (3,100 ^e) | < 250 | (7,900 ^d) | (840) | (24) | (280) | (380) | (< 380) | -- | -- | -- | -- | -- | 0.68 | Not operating |
| | | | 12/8/2007 | Sheen | Field & Lab | | 17.72 | 148.42 | 3,600 ^{e,f,g} | -- | 14,000 ^{d,g} | 640 | 13 | 220 | 520 | < 300 | -- | -- | -- | -- | -- | 0.80 | Not operating |
| | | | 9/6/2007 | Sheen | Field & Lab | | 19.28 | 146.86 | 8,400 ^{e,f,g} | -- | 17,000 ^{a,h} | 1,000 | 53 | 450 | 1,100 | < 700 | -- | -- | -- | -- | -- | 0.72 | Not operating |
| | | | 6/15/2007 | Sheen | Field & Lab | | 17.31 | 148.83 | 21,000 ^{e,f,g} | -- | 18,000 ^{d,g} | 700 | 22 | 290 | 740 | < 650 | -- | -- | -- | -- | -- | 0.68 | Not operating |
| | | | 3/16/2007 | Sheen | Field & Lab | | 12.31 | 153.83 | 49,000 ^{e,f,k,g} | -- | 44,000 ^{d,g} | 1,800 | 71 | 670 | 2,200 | < 900 | -- | -- | -- | -- | -- | 0.52 | Not operating |
| | | | 12/6/2006 | Sheen | Field & Lab | | 18.01 | 148.13 | 31,000 ^{e,f,k,g} | -- | 27,000 ^{d,g} | 1,100 | 51 | 420 | 1,600 | < 900 | -- | -- | -- | -- | -- | 0.48 | Not operating |
| | | | 9/5/2006 | Sheen | Lab | | 18.96 | 147.18 | 19,000 ^{e,f,k,g} | -- | 15,000 ^{d,g} | 680 | 70 | 260 | 1,400 | < 1,000 | -- | -- | -- | -- | -- | 0.79 | Not operating |
| | | | 6/30/2006 | Sheen | Field & Lab | | 16.78 | 149.36 | 55,000 ^{e,f,k,g} | -- | 18,000 ^{d,g} | 1,100 | 71 | 270 | 1,400 | 1,200 | -- | -- | -- | -- | -- | 0.84 | Not operating |
| | | | 3/22/2006 | Sheen | Lab | | 9.15 | 156.99 | 23,000 ^{e,f,k,g} | -- | 21,000 ^{d,g} | 2,300 | 200 | 550 | 2,800 | 1,200 | -- | -- | -- | -- | -- | 0.91 | Not operating |
| 12/14/2005 | Sheen | Field & Lab | | 16.40 | 149.74 | 49,000 ^{e,f,k,g} | -- | 29,000 ^{d,g} | 1,700 | 260 | 600 | 3,700 | 1,000 | -- | -- | -- | -- | -- | 0.99 | Not operating | | | |
| 9/21/2005 | Sheen | Field | | 18.50 | 147.64 | 1,100 ^{e,f} | -- | 4,600 ^d | 370 | 62 | 110 | 740 | 1,100 | -- | -- | -- | -- | -- | 0.86 | Not operating | | | |
| 6/21/2005 | Sheen | Lab | | 13.42 | 152.72 | 15,000 ^{e,f,g} | -- | 36,000 ^{d,g} | 1,700 | 310 | 460 | 3,100 | 1,200 | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 3/7/2005 | Sheen | Field & Lab | | 9.31 | 156.83 | 8,300 ^{e,f,k,g} | -- | 20,000 ^{d,g} | 1,400 | 330 | 430 | 2,600 | 1,100 | -- | -- | -- | -- | -- | 0.88 | Not operating | | | |
| 12/27/2004 | -- | | 16.81 | 149.33 | 3,800 ^{e,f} | -- | 17,000 ^d | 1,300 | 370 | 540 | 3,800 | 620 | -- | -- | -- | -- | -- | -- | 0.94 | Not operating | | | |
| 9/27/2004 | -- | ** | 27.55 | 138.59 | 1,000 ^{e,f,k} | -- | 770 ^d | 20 | 7.9 | 10 | 140 | 1,600 | -- | -- | -- | -- | -- | -- | 0.79 | Operating | | | |
| 6/16/2004 | -- | | 18.15 | 147.99 | 9,800 ^{e,f} | -- | 15,000 ^d | 800 | 210 | 290 | 1,800 | 2,000 | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 3/18/2004 | -- | | 15.78 | 84.22 | 870 ^{e,f} | -- | 4,200 ^d | 730 | 89 | < 5.0 | 480 | 2,300 | -- | -- | -- | -- | -- | -- | -- | Operating | | | |
| 12/2/2003 | Sheen | Lab | | 23.17 | 76.83 | 3,300 ^{e,f,g} | -- | 2,400 ^{d,g} | 91 | 20 | 14 | 250 | 890 | -- | -- | -- | -- | -- | -- | Operating | | | |
| 9/3/2003 | -- | | 23.57 | 76.43 | 2,300 ^e | -- | 2,900 ^d | 240 | 57 | 68 | 380 | 770 | -- | -- | -- | -- | -- | -- | -- | Operating | | | |
| 5/30/2003 | -- | | 15.23 | 84.77 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| Laboratory Detection Limit: | | | | | | | | 10 | 20 | 50 | 0.5 | 0.5 | 0.5 | 1.5 | 5 | 5 | 0.5 | 0.5 | 0.5 | Field Instrument | | | |
| Water Quality Objectives (WQOs): ¹ | | | | | | | | 1,000 | | | 1 | 150 | 300 | 1,750 | 5 | 12 | 0.05 | 0.5 | -- | -- | -- | | |

Table 1: Current & Historic Groundwater Elevation and Analytical Data - Monitoring Wells

FORMER EXXON SERVICE STATION

3055 35th AVENUE, OAKLAND, CALIFORNIA

All groundwater results are micrograms per liter (ug/L, parts per billion, ppb)

| Monitoring Point Information | | | Date | SPH (feet) | Note | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet, MSL) | Petroleum Hydrocarbon Concentration Data | | | | | | | | | | Field Measurements | | Oxidation Reduction Potential (mV) | | | |
|-------------------------------------------------|----------------------------------|----------------------|----------------------------------|----------------------------------|---------------------------|----------------------------------|-------------------------------------------------|-------------------------------------------------------|-----------------------|-----------------------|----------------------------|---------|--------------|---------|-------|-------|-------|-------------------------|---------------|------------------------------------|-------------------------|---------------|----|
| Well Identification # <i>Casing Diameter</i> | Screen Interval (feet) | TOC Elevation (feet) | | | | | | Total Petroleum Hydrocarbons | | | Volatile Organic Compounds | | | | | | | Dissolved Oxygen (mg/L) | | | | | |
| | | | | | | | | Diesel | Fuel Oil | Gasoline | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | TBA | EDB | | 1,2-DCE | | DIPE, ETBE, TAME (µg/L) | | |
| MW-3 2-inch | 10 - 25 | 162.94 | 3/29/2017 | -- | | 6.82 | 156.12 | 2,030 | -- | 15,600* | 4,500 | < 6.0 | 320 | 79 | 46 | 230 | < 3.3 | < 4.6 | < 5.1 - 2.7 | 7.87 | -484.0 | | |
| | | | 7/15/2015 | -- | | 15.44 | 147.50 | 1,900*** | -- | 14,000* | 4,400 | 11J | 230 | 87J | 58 | 320 | < 21 | < 21 | < 21 | 0.83 | -100 | | |
| | | | 1/9/2014 | -- | | 16.50 | 146.44 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.69 | -85 | |
| | | | 9/20/2013 | -- | | 16.61 | 146.33 | 3,000*** | -- | 6,200A | 11,000 | 37 | 990 | 118.1J | < 7.2 | 350 | < 2.8 | < 4.7 | < 4.0 - 6.4 | 0.39 | -79 | | |
| | | | 6/25/2013 | -- | | 15.65 | 147.29 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.59 | -92 | |
| | | | 3/13/2013 | -- | | 12.89 | 150.05 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 2.11 | -95 | |
| | | | 11/9/2012 | -- | | 14.69 | 148.25 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | 9/28/2012 | -- | | 16.22 | 146.72 | 2,700*** | -- | 6,100* | 10,000 | 36 | 860 | 104J | 87 | 650 | < 3.0 | < 5.0 | < 4.2 - 6.8 | 0.75 | -98 | | |
| | | | 3/30/2012 | -- | | 7.51 | 155.43 | 2,200*** | -- | 3,400T | 3,800 | 14J | 360 | 57.3 | 63J | < 68 | < 3.0 | < 5.0 | < 4.2 - 6.8 | 7.23 | -113 | | |
| | | | 9/22/2011 | -- | | 15.34 | 147.60 | 1,500** | -- | 14,000* | 8,400 | < 17 | 790 | 130 | 89 | < 130 | < 17 | < 24 | < 28 - 35 | 1.04 | -82 | | |
| | | | 3/17/2011 | -- | | 7.90 | 155.04 | 2,400 ^c | -- | 17,000 ^d | 5,600 | 43 | 660 | 210 | (83) | -- | -- | -- | -- | -- | 0.83 | Not operating | |
| | | | 9/10/2010 | -- | (Z ^{TPHD}) | 16.14 | 146.80 | 2,500 ^{e,f} (2,200) ^{e,f} | -- | 21,000 ^d | 8,100 | 59 | 800 | 300 | (100) | -- | -- | -- | -- | -- | 0.91 | Not operating | |
| | | | 3/14/2010 | Sheen ^{Lab} | (Z ^{TPHD}) | 8.56 | 154.38 | 19,000 ^{e,f,g,k} (4,300) ^e | -- | 21,000 ^{d,g} | 4,300 | 76 | 530 | 710 | (97) | -- | -- | -- | -- | -- | 1.07 | Not operating | |
| | | | 9/5/2009 | Sheen ^{Lab} | (Z ^{TPHD}) | 16.67 | 146.27 | 31,000 ^{e,f,k,m,g} (11,000) ^{e,f,k} | -- | 32,000 ^{d,g} | 6,200 | 120 | 590 | 1,000 | (80) | -- | -- | -- | -- | -- | 0.98 | Not operating | |
| | | | 6/7/2009 | Sheen ^{Field & Lab} | (Z ^{TPHD}) | 13.94 | 149.00 | 6,900 ^{e,f,m} (3,700) ^e | -- | 23,000 ^d | 4,400 | 81 | 710 | 670 | (97) | -- | -- | -- | -- | -- | 1.02 | Not operating | |
| | | 3/14/2009 | Sheen ^{Field & Lab} | (Z ^{TPHD}) | 9.02 | 153.92 | 8,700 ^{e,f,k,g} (8,100) ^{e,g} | -- | 41,000 ^{d,g} | 4,900 | 140 | 940 | 1,600 | (97) | -- | -- | -- | -- | -- | 1.14 | Not operating | | |
| | | 12/28/2008 | Sheen ^{Field & Lab} | (Z ^{TPHD}) | 12.72 | 150.22 | (4,100) ^{e,g} | < 250 | 24,000 ^{d,g} | 4,100 | 91 | 380 | 960 | (91) | -- | -- | -- | -- | -- | 0.91 | Not operating | | |
| | | 9/6/2008 | Sheen ^{Field & Lab} | (Z ^{TPHD}) | 16.65 | 146.29 | (7,900) ^{e,f,g} | -- | 42,000 ^{d,g} | 5,800 | 190 | 1,100 | 2,400 | < 800 | -- | -- | -- | -- | -- | 1.03 | Not operating | | |
| | | 6/14/2008 | Sheen ^{Field} | (Z) | 15.92 | 147.02 | (4,900) ^e | (600) | (36,000) ^d | (4,700) | (140) | (830) | (1,600) | (< 500) | -- | -- | -- | -- | -- | 1.05 | Not operating | | |
| | | 3/9/2008 | Sheen ^{Field} | (Z) | 10.40 | 152.54 | (3,400) ^e | (310) | (23,000) ^d | (4,200) | (120) | (650) | (1,600) | (< 250) | -- | -- | -- | -- | -- | 0.71 | Not operating | | |
| | | 12/8/2007 | Sheen ^{Field & Lab} | | 14.49 | 148.45 | 4,000 ^{e,f,g} | -- | 33,000 ^{d,g} | 4,300 | 120 | 370 | 2,200 | < 250 | -- | -- | -- | -- | -- | 0.77 | Not operating | | |
| | | 9/6/2007 | Sheen ^{Field & Lab} | | 16.55 | 146.39 | 14,000 ^{e,f,g} | -- | 41,000 ^{d,g} | 4,400 | 180 | 1,000 | 3,800 | < 700 | -- | -- | -- | -- | -- | 0.70 | Not operating | | |
| | | 6/15/2007 | Sheen ^{Field & Lab} | | 14.57 | 148.37 | 25,000 ^{e,k,f,g} | -- | 56,000 ^{d,g} | 5,100 | 200 | 1,100 | 3,200 | < 1000 | -- | -- | -- | -- | -- | 0.48 | Not operating | | |
| | | 3/16/2007 | Sheen ^{Field & Lab} | | 10.25 | 152.69 | 5,300 ^{e,f,k,g} | -- | 72,000 ^{d,g} | 6,500 | 420 | 1,200 | 3,900 | < 1,000 | -- | -- | -- | -- | -- | 0.61 | Not operating | | |
| | | 12/6/2006 | Sheen ^{Field & Lab} | | 15.25 | 147.69 | 19,000 ^{e,f,k,g} | -- | 44,000 ^{d,g} | 4,500 | 110 | 930 | 3,600 | < 500 | -- | -- | -- | -- | -- | 0.70 | Not operating | | |
| | | 9/5/2006 | Sheen ^{Field & Lab} | | 16.25 | 146.69 | 16,000 ^{e,f,k,g} | -- | 56,000 ^{d,g} | 5,400 | 300 | 1,200 | 6,200 | < 500 | -- | -- | -- | -- | -- | 0.55 | Not operating | | |
| | | 6/30/2006 | Sheen ^{Field & Lab} | | 14.10 | 148.84 | 15,000 ^{e,f,k,g} | -- | 44,000 ^{d,g} | 4,000 | 160 | 550 | 4,000 | < 450 | -- | -- | -- | -- | -- | 0.81 | Not operating | | |
| | | 3/22/2006 | Sheen ^{Field & Lab} | | 8.10 | 154.84 | 15,000 ^{e,f,k,g} | -- | 45,000 ^{d,g} | 4,300 | 390 | 1,100 | 5,300 | < 1,000 | -- | -- | -- | -- | -- | 0.88 | Not operating | | |
| | | 12/14/2005 | Sheen ^{Field & Lab} | | 13.65 | 149.29 | 19,000 ^{e,f,k,g} | -- | 53,000 ^{d,g} | 4,700 | 350 | 1,100 | 7,400 | < 1,000 | -- | -- | -- | -- | -- | 0.95 | Not operating | | |
| | | 9/21/2005 | Sheen ^{Field & Lab} | | 15.73 | 147.21 | 16,000 ^{e,f,k,g} | -- | 41,000 ^{d,g} | 3,700 | 480 | 930 | 5,700 | < 500 | -- | -- | -- | -- | -- | 0.90 | Not operating | | |
| 6/21/2005 | Sheen ^{Field & Lab} | | 10.79 | 152.15 | 12,000 ^{e,g} | -- | 44,000 ^{d,g} | 4,900 | 870 | 1,100 | 6,500 | < 1,200 | -- | -- | -- | -- | -- | -- | 0.90 | Not operating | | | |
| 3/7/2005 | Sheen ^{Field & Lab} | | 6.91 | 156.03 | 14,000 ^{e,f,g} | -- | 50,000 ^{d,g} | 6,100 | 2,100 | 1,300 | 7,400 | < 500 | -- | -- | -- | -- | -- | 0.62 | Not operating | | | | |
| 12/27/2004 | Sheen ^{Lab} | | 14.58 | 148.36 | 24,000 ^{e,f,g,k} | -- | 32,000 ^{d,g} | 4,400 | 2,800 | 650 | 4,800 | < 250 | -- | -- | -- | -- | -- | 0.71 | Not operating | | | | |
| 9/27/2004 | -- | | 23.65 | 139.29 | 1,700 ^{e,f} | -- | 5,200 ^d | 430 | 220 | 100 | 680 | 250 | -- | -- | -- | -- | -- | 0.55 | Operating | | | | |
| 6/16/2004 | -- | | 15.40 | 81.47 | 8,800 ^{e,f} | -- | 23,000 ^d | 2,100 | 1,300 | 360 | 2,800 | < 1,000 | -- | -- | -- | -- | -- | -- | 0.55 | Operating | | | |
| 3/18/2004 | -- | | 16.49 | 80.38 | 2,300 ^{e,f} | -- | 15,000 ^d | 2,600 | 990 | 260 | 1,700 | < 300 | -- | -- | -- | -- | -- | -- | 0.55 | Operating | | | |
| 12/2/2003 | Sheen ^{Lab} | | 17.70 | 79.17 | 8,400 ^{e,f,g} | -- | 30,000 ^{d,g} | 2,900 | 2,100 | 530 | 3,600 | < 500 | -- | -- | -- | -- | -- | -- | 0.55 | Operating | | | |
| 9/3/2003 | -- | | 21.65 | 75.22 | 3,300 ^e | -- | 8,100 ^d | 220 | 170 | 66 | 560 | < 50 | -- | -- | -- | -- | -- | -- | 0.55 | Operating | | | |
| 5/30/2003 | -- | | 13.30 | 83.57 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 4/25/2003 | -- | | 18.30 | 78.57 | 1,200 ^e | -- | 12,000 ^d | 1,800 | 850 | 150 | 1,200 | < 500 | -- | -- | -- | -- | -- | -- | -- | Operating | | | |
| 1/13/2003 | Sheen ^{Lab} | | 11.43 | 85.44 | 6,300 ^{e,f,g,k} | -- | 21,000 ^{d,g} | 2,400 | 2,300 | 390 | 3,000 | < 500 | -- | -- | -- | -- | -- | 0.31 | Not operating | | | | |
| Laboratory Detection Limit: | | | | | | | | 10 | 20 | 50 | 0.5 | 0.5 | 0.5 | 1.5 | 5 | 5 | 0.5 | 0.5 | 0.5 | Field Instrument | | | |
| Water Quality Objectives (WQOs): ¹ | | | | | | | | 1,000 | | | 1 | 150 | 300 | 1,750 | 5 | 12 | 0.05 | 0.5 | -- | -- | -- | | |

Table 1: Current & Historic Groundwater Elevation and Analytical Data - Monitoring Wells

FORMER EXXON SERVICE STATION

3055 35th AVENUE, OAKLAND, CALIFORNIA

All groundwater results are micrograms per liter (ug/L, parts per billion, ppb)

| Monitoring Point Information | | | Date | SPH (feet) | Note | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet, MSL) | Petroleum Hydrocarbon Concentration Data | | | | | | | | | | | Field Measurements Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | | | |
|-----------------------------------------------|------------------------|----------------------|------------|------------|------|----------------------------------|-----------------------------------|------------------------------------------|----------|------------------------|----------------------------|---------|--------------|---------|---------|-----|------|---------|-----------------------------------------------|------------------------------------|-------------------------|---------------|----|
| Well Identification # Casing Diameter | Screen Interval (feet) | TOC Elevation (feet) | | | | | | Total Petroleum Hydrocarbons | | | Volatile Organic Compounds | | | | | | | | | | | | |
| | | | | | | | | Diesel | Fuel Oil | Gasoline | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | TBA | EDB | 1,2-DCE | | | DIPE, ETBE, TAME (µg/L) | | |
| Continued MW-3 | | | 11/21/2002 | 0.05 | | 17.85 | 79.02 | 120,000 ^{a,g} | -- | 37,000 ^{d,g} | 4,000 | 660 | 1,200 | 5,100 | < 1,700 | -- | -- | -- | -- | 0.28 | Operating | | |
| | | | 9/26/2002 | -- | | 18.85 | 78.02 | 130,000 ^{a,g} | -- | 50,000 ^{d,g} | 3,900 | 5,400 | 820 | 6,600 | < 500 | -- | -- | -- | -- | 0.19 | Operating | | |
| | | | 6/10/2002 | -- | | 22.94 | 73.93 | 990 ^{e,k} | -- | 9,000 ^d | 1,800 | 1,300 | 96 | 1,000 | < 300 | -- | -- | -- | -- | -- | -- | Operating | |
| | | | 3/11/2002 | -- | | 14.69 | 82.18 | 2,800 ^{f,e,k} | -- | 30,000 ^d | 5,000 | 2,400 | 190 | 1,800 | < 1,300 | -- | -- | -- | -- | -- | 0.30 | Operating | |
| | | | 12/7/2001 | -- | | 24.65 | 72.22 | 3,900 ^{e,f} | -- | 25,000 ^d | 2,500 | 1,700 | 64 | 2,200 | < 200 | -- | -- | -- | -- | -- | 0.19 | Operating | |
| | | | 8/30/2001 | -- | | 12.43 | 84.44 | 190,000 ^{d,h} | -- | 95,000 ^{a,h} | 6,900 | 10,000 | 2,700 | 15,000 | < 250 | -- | -- | -- | -- | -- | 0.24 | Operating | |
| | | | 6/6/2001 | -- | | 14.88 | 81.99 | 12,000 | -- | 43,000 | 3,000 | 1,000 | 770 | 5,200 | < 400 | -- | -- | -- | -- | -- | 1.71 | Not operating | |
| | | | 3/7/2001 | -- | | 14.27 | 82.60 | 13,000 | -- | 60,000 | 7,000 | 4,600 | 900 | 7,100 | < 350 | -- | -- | -- | -- | -- | 0.49 | Not operating | |
| | | | 12/5/2000 | -- | | 14.80 | 82.07 | 17,000 ^{a,g} | -- | 110,000 ^{d,g} | 17,000 | 11,000 | 1,900 | 12,000 | < 750 | -- | -- | -- | -- | -- | 0.37 | Not operating | |
| | | | 9/7/2000 | -- | | 15.61 | 81.26 | 19,000 ^{e,f,g} | -- | 100,000 ^{d,g} | 17,000 | 12,000 | 1,600 | 11,000 | < 500 | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | 3/23/2000 | -- | | 8.98 | 87.89 | 11,000 ^{e,i} | -- | 77,000 ^{d,g} | 10,000 | 9,400 | 1,600 | 11,000 | < 430 | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | 12/10/1999 | -- | | 13.31 | 83.56 | 5,300 ^{e,f} | -- | 53,000 ^d | 8,000 | 6,400 | 1,100 | 8,100 | < 200 | -- | -- | -- | -- | -- | 0.48 | -- | |
| | | | 9/28/1999 | -- | | 15.99 | 80.88 | 7,800 ^e | -- | 60,000 ^d | 9,400 | 9,200 | 1,000 | 9,900 | 200 | -- | -- | -- | -- | -- | 0.53 | -- | |
| | | | 6/29/1999 | -- | | 16.98 | 79.89 | 6,900 ^e | -- | 71,000 ^d | 12,000 | 7,300 | 1,400 | 8,400 | < 1,700 | -- | -- | -- | -- | -- | 0.19 | -- | |
| | | | 3/29/1999 | -- | | 7.95 | 88.92 | 4,600 ^e | -- | 39,000 ^d | 8,900 | 4,400 | 940 | 4,500 | 810 | -- | -- | -- | -- | -- | 0.56 | -- | |
| | | | 12/8/1998 | -- | | 11.20 | 85.67 | 4,200 | -- | 51,000 | 8,000 | 6,800 | 1,400 | 7,500 | < 1,100 | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | 9/30/1998 | -- | | 16.14 | 80.73 | 9,800 | -- | 91,000 | 17,000 | 13,000 | 2,100 | 12,000 | < 1300 | -- | -- | -- | -- | -- | 2.0 | -- | |
| | | | 7/14/1998 | -- | | 13.51 | 83.36 | 65,000 ^{e,f,g} | -- | 94,000 ^{a,g} | 18,000 | 14,000 | 1,900 | 11,000 | < 1,400 | -- | -- | -- | -- | -- | 1.8 | -- | |
| | | | 3/18/1998 | Sheen | | 8.41 | 88.46 | 20,000 ^{e,f} | -- | 120,000 ^d | 21,000 | 19,000 | 2,600 | 15,000 | < 1,600 | -- | -- | -- | -- | -- | 1.6 | -- | |
| | | | 12/22/1997 | Sheen | | 10.71 | 86.16 | 14,000 ^e | -- | 49,000 ^d | 7,300 | 5,300 | 1,400 | 7,500 | < 1,100 | -- | -- | -- | -- | -- | 3.1 | -- | |
| | | | 9/17/1997 | Sheen | | 16.34 | 80.53 | 15,000 ^e | -- | 78,000 ^d | 11,000 | 9,900 | 1,800 | 10,000 | < 1,200 | -- | -- | -- | -- | -- | 0.7 | -- | |
| | | | 6/25/1997 | -- | | 15.98 | 80.89 | 7,700 ^b | -- | 49,000 | 9,700 | 7,100 | 1,300 | 7,000 | 220 | -- | -- | -- | -- | -- | 5.8 | -- | |
| | | | 3/20/1997 | -- | | 12.86 | 84.01 | 11,000 | -- | 56,000 | 9,900 | 6,900 | 1,300 | 8,000 | 3,500 | -- | -- | -- | -- | -- | 9.0 | -- | |
| | | | 11/27/1996 | Sheen | | 13.47 | 83.40 | 24,000 | -- | 82,000 | 14,000 | 13,000 | 2,400 | 13,000 | < 1,000 | -- | -- | -- | -- | -- | 2.4 | -- | |
| | | | 8/22/1996 | -- | | 16.50 | 80.37 | 16,000 | -- | 94,000 | 17,000 | 15,000 | 2,100 | 12,000 | 330 | -- | -- | -- | -- | -- | 2.0 | -- | |
| | | | 5/21/1996 | Sheen | | 10.86 | 86.01 | 13,000 | -- | 69,000 | 17,000 | 9,400 | 1,700 | 9,400 | 2,600 | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | 2/21/1996 | -- | | 7.92 | 88.95 | -- | -- | 60,000 | 10,000 | 7,800 | 1,500 | 8,800 | 3,400 | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | 11/29/1995 | -- | | 16.34 | 80.53 | -- | -- | 220,000 | 25,000 | 25,000 | 3,500 | 19,000 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 8/22/1995 | -- | | 17.10 | 79.77 | -- | -- | 74,000 | 14,000 | 13,000 | 1,900 | 11,000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 5/23/1995 | Sheen | | 11.60 | 85.27 | -- | -- | 310,000 | 18,000 | 17,000 | 4,500 | 2,800 | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 2/27/1995 | Sheen | | 11.86 | 85.01 | -- | -- | 250,000 | 22,000 | 26,000 | 7,800 | 21,000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 11/11/94 | -- | | 17.80 | 79.07 | -- | -- | 89,000 | 1,600 | 1,900 | 1,900 | 14,000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 8/18/1994 | -- | | 17.75 | 79.12 | -- | -- | 116,000 | 28,300 | 26,000 | 2,400 | 15,000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 7/19/1994 | -- | | 17.04 | 79.83 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 5/25/1994 | Sheen | | 13.93 | 82.94 | -- | -- | 14,000 | < 50,000 | 56,000 | 14,000 | 14,000 | 1,300 | 11,000 | -- | -- | -- | -- | -- | -- | -- | | | |
| Laboratory Detection Limit: | | | | | | | | 10 | 20 | 50 | 0.5 | 0.5 | 0.5 | 1.5 | 5 | 5 | 0.5 | 0.5 | 0.5 | Field Instrument | | | |
| Water Quality Objectives (WQOs): ¹ | | | | | | | | 1,000 | | | 1 | 150 | 300 | 1,750 | 5 | 12 | 0.05 | 0.5 | -- | -- | -- | -- | |

Table 1: Current & Historic Groundwater Elevation and Analytical Data - Monitoring Wells

FORMER EXXON SERVICE STATION

3055 35th AVENUE, OAKLAND, CALIFORNIA

All groundwater results are micrograms per liter (ug/L, parts per billion, ppb)

| Monitoring Point Information | | | Date | SPH (feet) | Note | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet, MSL) | Petroleum Hydrocarbon Concentration Data | | | | | | | | | | | Field Measurements Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | | | |
|-----------------------------------------------|------------------------|----------------------|------------|-------------------|--------------------------|----------------------------------|-----------------------------------|------------------------------------------|-------------------------|------------------------|----------------------------|---------|--------------|---------|---------|-------|--------|---------|-----------------------------------------------|---------------------------------------|-------------------------|---------------|----|
| Well Identification # Casing Diameter | Screen Interval (feet) | TOC Elevation (feet) | | | | | | Total Petroleum Hydrocarbons | | | Volatile Organic Compounds | | | | | | | | | | | | |
| | | | | | | | | Diesel | Fuel Oil | Gasoline | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | TBA | EDB | 1,2-DCE | | | DIPE, ETBE, TAME (µg/L) | | |
| MW-4 2-inch | 10 - 30 | 163.49 | 3/29/2017 | -- | | 7.76 | 155.73 | 1,860* | -- | 6,310* | 1,500 | 6.7 | 78 | < 4.6 | 11 | 110 | < 0.66 | < 9.2 | < 1.0 - 0.54 | 8.24 | -277.7 | | |
| | | | 7/15/2015 | -- | | 16.23 | 147.26 | 1,800*** | -- | 6,900* | 2,300 | 4.7 | 47 | 5.4J | 18 | 100 | < 4.2 | < 4.2 | < 4.2 | 0.83 | -104 | | |
| | | | 1/9/2014 | -- | | 17.39 | 146.10 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.12 | -31 | |
| | | | 9/20/2013 | -- | | 17.39 | 146.10 | 2,200*** | -- | 4,400A | 6,200 | 24 | 420 | 62 | < 1.4 | 160 | < 0.57 | < 0.95 | < 0.57 - 13 | 0.32 | -89 | | |
| | | | 6/25/2013 | -- | | 16.48 | 147.01 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.73 | -99 | |
| | | | 3/13/2013 | -- | | 13.85 | 149.64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.98 | -72 | |
| | | | 11/9/2012 | -- | | 15.37 | 148.12 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | 9/28/2012 | -- | | 17.01 | 146.48 | 2,100*** | -- | 3,000* | 4,700 | 13 | 200 | 67 | 34 | 220 | < 0.59 | < 0.99 | < 0.84 - 1.4 | 0.66 | -108 | | |
| | | | 3/30/2012 | -- | | 8.05 | 155.44 | 1,900*** | -- | 6,000A | 3,300 | 5.0J | 95 | 28J | 40 | < 68 | < 3.0 | < 5.0 | < 4.2 - 6.8 | 6.41 | -101 | | |
| | | | 9/22/2011 | -- | | 16.05 | 147.44 | 2,000*** | -- | 11,000* | 4,100 | < 17 | 160 | 100 | < 33 | < 130 | < 17 | < 24 | < 28 - 35 | 0.69 | -98 | | |
| | | | 3/17/2011 | -- | | 8.55 | 154.94 | 1,900 ^e | -- | 11,000 ^d | 4,800 | 17 | 190 | 110 | (59) | -- | -- | -- | -- | -- | 0.75 | Not operating | |
| | | | 9/10/2010 | -- | (Z ^{TPHD}) | 16.89 | 146.60 | 2,200 ^{e,f} | (2,000 ^{e,f}) | 11,000 ^d | 3,300 | 24 | 160 | 330 | (46) | -- | -- | -- | -- | -- | 0.88 | Not operating | |
| | | | 3/14/2010 | -- | (Z ^{TPHD}) | 8.25 | 155.24 | 2,400 ^{e,f} | (1,800 ^e) | 6,800 ^d | 1,500 | 21 | 53 | 120 | (33) | -- | -- | -- | -- | -- | 1.13 | Not operating | |
| | | | 9/5/2009 | Sheen Lab | (Z ^{TPHD}) | 17.39 | 146.10 | 1,200 ^{e,f,m} | (1,600 ^{e,f}) | 3,600 ^d | 830 | 17 | 13 | 53 | (30) | -- | -- | -- | -- | -- | 1.01 | Not operating | |
| | | | 6/7/2009 | Sheen Field & Lab | (Z ^{TPHD}) | 14.83 | 148.66 | 4,200 ^{e,f,m} | (2,000 ^e) | 6,900 ^d | 1,200 | 23 | 41 | 190 | (25) | -- | -- | -- | -- | -- | 1.05 | Not operating | |
| | | | 3/14/2009 | Sheen Field | (Z ^{TPHD}) | 9.30 | 154.19 | 2,800 ^{e,f,k} | (3,200 ^e) | 8,800 ^d | 980 | 23 | 61 | 220 | (22) | -- | -- | -- | -- | -- | 1.27 | Not operating | |
| | | | 12/28/2008 | Sheen Field & Lab | (Z ^{TPHD}) | 13.35 | 150.14 | (1,800 ^{e,g}) | < 250 | 7,500 ^{d,g} | 630 | 21 | 40 | 210 | (22) | -- | -- | -- | -- | -- | 1.20 | Not operating | |
| | | | 9/6/2008 | Sheen Field & Lab | (Z ^{TPHD}) | 17.27 | 146.22 | (2,800 ^{e,g}) | -- | 24,000 ^{d,g} | 1,400 | 65 | 130 | 2,300 | < 250 | -- | -- | -- | -- | -- | 1.28 | Not operating | |
| | | | 6/14/2008 | Sheen Field | (Z) | 16.68 | 146.81 | (4,200 ^e) | (< 250) | (15,000 ^d) | (1,100) | (50) | (86) | (1,300) | (< 150) | -- | -- | -- | -- | -- | 1.2 | Not operating | |
| | | | 3/9/2008 | Sheen Field | (Z) | 10.77 | 152.72 | (3,000 ^e) | (< 250) | (8,100 ^d) | (830) | (7.7) | (55) | (310) | (< 50) | -- | -- | -- | -- | -- | 0.79 | Not operating | |
| | | | 12/8/2007 | Sheen Field & Lab | | 15.15 | 148.34 | 790 ^{e,f,g} | -- | 7,600 ^{d,g} | 690 | 27 | 39 | 570 | < 80 | -- | -- | -- | -- | -- | 0.72 | Not operating | |
| | | | 9/6/2007 | Sheen Field & Lab | | 17.25 | 146.24 | 8,400 ^{e,f,k,g} | -- | 27,000 ^{d,g} | 1,500 | 150 | 120 | 4,500 | < 250 | -- | -- | -- | -- | -- | 0.55 | Not operating | |
| | | | 6/15/2007 | Sheen Field & Lab | | 15.43 | 148.06 | 7,200 ^{e,g} | -- | 14,000 ^{d,g} | 1,200 | 46 | 63 | 850 | < 110 | -- | -- | -- | -- | -- | 0.61 | Not operating | |
| | | | 3/16/2007 | Sheen Field & Lab | | 10.71 | 152.78 | 2,700 ^{e,f,k,g} | -- | 13,000 ^{d,g} | 1,400 | 32 | 93 | 740 | < 100 | -- | -- | -- | -- | -- | 0.65 | Not operating | |
| | | | 12/6/2006 | Sheen Field & Lab | | 15.95 | 147.54 | 22,000 ^{e,f,g} | -- | 21,000 ^{d,g} | 920 | 56 | 73 | 1,500 | < 100 | -- | -- | -- | -- | -- | 0.71 | Not operating | |
| | | | 9/5/2006 | Sheen Field & Lab | | 16.96 | 146.53 | 9,400 ^{e,f,k,g} | -- | 30,000 ^{d,g} | 1,400 | 180 | 110 | 4,300 | < 500 | -- | -- | -- | -- | -- | 0.75 | Not operating | |
| | | | 6/30/2006 | Sheen Field & Lab | | 15.00 | 148.49 | 19,000 ^{e,f,g} | -- | 18,000 ^{d,g} | 1,400 | 50 | 60 | 1,300 | < 100 | -- | -- | -- | -- | -- | 0.85 | Not operating | |
| | | | 3/22/2006 | Sheen Field & Lab | | 7.52 | 155.97 | 9,300 ^{e,f,k,g} | -- | 17,000 ^{d,g} | 2,000 | 230 | 150 | 1,900 | < 50 | -- | -- | -- | -- | -- | 0.80 | Not operating | |
| | | | 12/14/2005 | Sheen Field & Lab | | 14.43 | 149.06 | 9,800 ^{e,f,k,g} | -- | 5,200 ^{d,g} | 710 | 41 | 91 | 540 | < 50 | -- | -- | -- | -- | -- | 0.91 | Not operating | |
| | | | 9/21/2005 | Sheen Field & Lab | | 16.55 | 146.94 | 15,000 ^{e,f,k,g} | -- | 12,000 ^{d,g} | 540 | 100 | 54 | 1,800 | < 50 | -- | -- | -- | -- | -- | 0.89 | Not operating | |
| | | | 6/21/2005 | Sheen Field & Lab | | 11.82 | 151.67 | 12,000 ^{e,g} | -- | 30,000 ^{d,g} | 3,300 | 270 | 250 | 2,800 | < 500 | -- | -- | -- | -- | -- | -- | Not operating | |
| | | | 3/7/2005 | Sheen Field & Lab | | 7.81 | 155.68 | 9,300 ^{e,f,g} | -- | 15,000 ^{d,g} | 1,100 | 140 | 88 | 1,900 | < 100 | -- | -- | -- | -- | -- | 0.65 | Not operating | |
| 12/27/2004 | Sheen Lab | | 14.79 | 148.70 | 5,300 ^{e,f,g,k} | -- | 10,000 ^{d,g} | 1,000 | 99 | 34 | 1,600 | < 50 | -- | -- | -- | -- | -- | 0.74 | Not operating | | | | |
| 9/27/2004 | -- | | 19.93 | 143.56 | 980 ^{e,f,k} | -- | 1,300 ^d | 140 | 10 | 11 | 81 | < 50 | -- | -- | -- | -- | -- | 0.68 | Not operating | | | | |
| 6/16/2004 | -- | | 16.02 | 147.47 | 3,400 ^{e,f} | -- | 9,100 ^d | 940 | 96 | 120 | 800 | < 50 | -- | -- | -- | -- | -- | -- | Not operating | | | | |
| 3/18/2004 | -- | | 14.92 | 82.42 | 1,500 ^e | -- | 5,300 ^d | 1,300 | 55 | 37 | 440 | < 180 | -- | -- | -- | -- | -- | -- | Operating | | | | |
| 12/2/2003 | -- | | 19.17 | 78.17 | 5,800 ^{e,f} | -- | 13,000 ^d | 1,300 | 180 | 120 | 1,900 | < 250 | -- | -- | -- | -- | -- | -- | Operating | | | | |
| 9/3/2003 | -- | | 21.65 | 75.69 | 27,000 ^{e,f} | -- | 29,000 ^d | 2,200 | 380 | 280 | 2,300 | -- | -- | -- | -- | -- | -- | -- | Operating | | | | |
| 5/30/2003 | -- | | 13.56 | 83.78 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 4/25/2003 | -- | | 19.37 | 77.97 | 2,200 ^{e,f} | -- | 6,600 ^d | 960 | 130 | 100 | 560 | < 170 | -- | -- | -- | -- | -- | -- | -- | Operating | | | |
| Laboratory Detection Limit: | | | | | | | | 10 | 20 | 50 | 0.5 | 0.5 | 0.5 | 1.5 | 5 | 5 | 0.5 | 0.5 | 0.5 | Field Instrument | | | |
| Water Quality Objectives (WQOs): ¹ | | | | | | | | 1,000 | | | 1 | 150 | 300 | 1,750 | 5 | 12 | 0.05 | 0.5 | -- | -- | -- | | |

Table 1: Current & Historic Groundwater Elevation and Analytical Data - Monitoring Wells

FORMER EXXON SERVICE STATION

3055 35th AVENUE, OAKLAND, CALIFORNIA

All groundwater results are micrograms per liter (ug/L, parts per billion, ppb)

| Monitoring Point Information | | | Date | SPH (feet) | Note | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet, MSL) | Petroleum Hydrocarbon Concentration Data | | | | | | | | | | | Field Measurements | | Oxidation Reduction Potential (mV) | | |
|-------------------------------------------------|------------------------|----------------------|------------|----------------------|--------------------|----------------------------------|-----------------------------------|------------------------------------------|----------|-----------------------|----------------------------|------------------|--------------|---------|---------|--------|--------|---------|-------------------------|-------------------------|------------------------------------|---------------|--|
| Well Identification # <i>Casing Diameter</i> | Screen Interval (feet) | TOC Elevation (feet) | | | | | | Total Petroleum Hydrocarbons | | | Volatile Organic Compounds | | | | | | | | Dissolved Oxygen (mg/L) | | | | |
| | | | | | | | | Diesel | Fuel Oil | Gasoline | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | TBA | EDB | 1,2-DCE | | DIPE, ETBE, TAME (µg/L) | | | |
| Continued MW-4 | | | 1/13/2003 | Sheen ^{lab} | | 11.75 | 85.59 | 15,000 ^{e,f,g,k} | -- | 35,000 ^{d,g} | 5,100 | 1,500 | 510 | 4,500 | < 800 | -- | -- | -- | -- | 0.28 | Not operating | | |
| | | | 11/21/2002 | -- | | 17.55 | 79.79 | 2,400 ^{e,k} | -- | 5,700 ^d | 1,400 | 290 | 63 | 640 | 550 | -- | -- | -- | -- | -- | -- | Operating | |
| | | | 9/26/2002 | -- | | 17.93 | 79.41 | 800 ^e | -- | 21,000 ^d | 3,300 | 1,300 | 450 | 2,900 | < 500 | -- | -- | -- | -- | -- | 0.24 | Operating | |
| | | | 6/10/2002 | -- | | 22.30 | 75.04 | 3,400 ^e | -- | 9,400 ^d | 1,400 | 50 | < 5.0 | 690 | < 200 | -- | -- | -- | -- | -- | -- | Operating | |
| | | | 3/11/2002 | -- | | 14.95 | 82.39 | 1,600 ^{e,k} | -- | 15,000 ^d | 3,700 | 500 | 92 | 790 | < 500 | -- | -- | -- | -- | -- | 0.30 | Operating | |
| | | | 12/7/2001 | -- | | 23.45 | 73.89 | 11,000 ^{e,f,g} | -- | 32,000 ^{d,g} | 4,500 | 740 | 310 | 2,300 | < 200 | -- | -- | -- | -- | -- | 0.21 | Operating | |
| | | | 8/30/2001 | -- | | 18.00 | 79.34 | 3,200 ^d | -- | 43,000 ^b | 6,400 | 630 | 510 | 2,600 | < 200 | -- | -- | -- | -- | -- | 0.32 | Operating | |
| | | | 6/6/2001 | -- | | 15.49 | 81.85 | 5,400 | -- | 75,000 | 22,000 | 1,800 | 1,900 | 6,400 | < 1,200 | -- | -- | -- | -- | -- | 2.22 | Not operating | |
| | | | 3/20/2001 | -- | | 14.03 | 83.31 | -- | -- | 46,000 | 13,000 | 1,000 | 900 | 2,800 | < 350 | -- | -- | -- | -- | -- | 0.39 | Not operating | |
| | | | 12/5/2000 | -- | | 15.55 | 81.79 | 2,600 ^{e,g} | -- | 69,000 ^{d,g} | 16,000 | 1,300 | 1,300 | 3,400 | < 200 | -- | -- | -- | -- | -- | 0.35 | Not operating | |
| | | | 9/7/2000 | -- | | 16.40 | 80.94 | 5,900 ^e | -- | 43,000 ^d | 10,000 | 1,100 | 1,100 | 3,400 | < 450 | -- | -- | -- | -- | -- | 1.04 | | |
| | | | 3/23/2000 | -- | | 10.22 | 87.12 | 3,100 ^{e,f} | -- | 40,000 ^d | 11,000 | 1,600 | 910 | 3,100 | 690 | -- | -- | -- | -- | -- | -- | | |
| | | | 12/10/1999 | -- | | 13.99 | 83.35 | 3,100 ^{e,f} | -- | 47,000 ^d | 12,000 | 1,800 | 1,000 | 4,400 | < 100 | -- | -- | -- | -- | -- | 0.62 | | |
| | | | 9/28/1999 | -- | | 16.58 | 80.76 | 3,200 ^{e,f} | -- | 24,000 ^d | 7,500 | 1,200 | 190 | 2,200 | 210 | -- | -- | -- | -- | -- | 14.29 ^g | | |
| | | | 6/29/1999 | -- | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| | | | 3/29/1999 | -- | | 9.10 | 88.24 | 2,400 ^{e,h} | -- | 48,000 ^d | 15,000 | 3,000 | 1,300 | 5,000 | 1,300 | -- | -- | -- | -- | -- | 1.32 | | |
| | | | 12/8/1998 | -- | | 13.45 | 83.89 | 1,600 | -- | 27,000 | 8,900 | 1,600 | 730 | 2,300 | < 1,500 | -- | -- | -- | -- | -- | -- | -- | |
| | | | 9/30/1998 | -- | | 16.84 | 80.50 | 2,100 | -- | 39,000 | 12,000 | 2,700 | 1,000 | 3,400 | 510 | -- | -- | -- | -- | -- | 1.1 | | |
| | | | 7/14/1998 | -- | | 14.15 | 83.19 | 2,900 ^{e,f} | -- | 73,000 ^d | 22,000 | 7,000 | 1,800 | 7,300 | < 200 | -- | -- | -- | -- | -- | 1.0 | | |
| | | | 3/18/1998 | -- | | 9.54 | 87.80 | 5,500 ^{e,f} | -- | 58,000 ^d | 14,000 | 4,700 | 1,400 | 5,700 | < 1,200 | -- | -- | -- | -- | -- | 0.8 | | |
| 12/22/1997 | -- | | 9.21 | 88.13 | 3,100 ^e | -- | 43,000 ^d | 13,000 | 3,900 | 1,100 | 4,200 | < 960 | -- | -- | -- | -- | -- | 3.7 | | | | | |
| 9/17/1997 | -- | | 17.10 | 80.24 | 4,400 ^e | -- | 60,000 ^d | 17,000 | 4,900 | 1,500 | 5,700 | < 1,500 | -- | -- | -- | -- | -- | 1.5 | | | | | |
| 6/25/1997 | -- | | 16.15 | 81.19 | 5,800 ^b | -- | 61,000 | 16,000 | 6,100 | 1,500 | 5,900 | 780 ^c | -- | -- | -- | -- | -- | 1.4 | | | | | |
| 3/20/1997 | -- | | 13.75 | 83.59 | 3,100 | -- | 47,000 | 11,000 | 4,500 | 1,100 | 5,200 | 3,400 | -- | -- | -- | -- | -- | 8.4 | | | | | |
| MW-5 2-inch | 20 - 30 | 165.74 | 3/28/2017 | -- | | 6.95 | 158.79 | 974* | -- | 11,100* | 2,300 | 34 | 410 | 48 | 100 | < 62 | < 1.7 | < 2.3 | < 2.5 - 1.3 | 6.81 | 182.1 | | |
| | | | 7/15/2015 | -- | | 15.95 | 149.79 | 450*** | -- | 8,800* | 2,200 | 33 | 450 | 34.2J | 850 | 6,700 | < 11 | < 11 | < 11 | 0.37 | -57 | | |
| | | | 1/9/2014 | -- | | 17.12 | 148.62 | 1,100* | -- | 13,000** | 1,700 | 33 | 740 | 32 J | 640 | 1,300 | < 1.4 | < 2.4 | < 2.0 - 3.2 | 1.21 | -42 | | |
| | | | 9/20/2013 | -- | | 17.31 | 148.43 | 540*** | -- | 4,400A | 2,200 | 47 | 1,200 | 50.1J | 790 | 890 | < 1.4 | < 2.4 | < 2.0 - 3.2 | 0.50 | -60 | | |
| | | | 6/25/2013 | -- | | 16.21 | 149.53 | 760^ | -- | 5,200^A | 2,700 | 41 | 860 | 50.2 J | 980 | 7,800 | < 1.5 | < 2.5 | < 8.3 | 3.82 | -26 | | |
| | | | 3/13/2013 | -- | | 13.89 | 151.85 | 1,000*** | -- | 18,000^A | 2,200 | 54 | 1,200 | 116.1 J | 410 | < 34 | < 1.5 | < 2.5 | < 8.3 | 2.09 | 11 | | |
| | | | 11/9/2012 | -- | | 15.11 | 150.63 | 340*** | -- | 3000* | 1,300 | 16 | 340 | 35.2 | 390 | 2,300 | < 0.30 | < 0.50 | < 0.68 | 1.7 | 90 | | |
| MW-6 2-inch | 20 - 30 | 164.3 | 3/28/2017 | -- | | 6.03 | 159.71 | 332* | -- | 170* | 26 | 0.59 | 5.0 | 3.6 | < 0.077 | 6.0 | < .079 | < .11 | < 0.12 - 0.072 | 4.7 | 190.3 | | |
| | | | 7/15/2015 | -- | | 12.53 | 151.77 | 310*** | -- | 3,300* | 89 | 2.1 | 2.1 | 2.85 | < 0.5 | 19 | < 0.50 | 2.2 | < 0.50 | 0.85 | -60 | | |
| | | | 1/9/2014 | -- | | 16.18 | 148.12 | 190* | -- | 3,700^ | 67 | < 0.25 | 3.8 | 1.1 J | < 0.72 | < 6.5 | < 0.28 | < 0.47 | < 0.40 - 0.64 | 1.24 | -75 | | |
| | | | 9/20/2013 | -- | | 16.46 | 147.84 | 470*** | -- | 1,700A | 130 | 0.66J | 4.6 | < 1.74 | < 1.4 | < 13 | < 0.57 | < 0.95 | < 0.80 - 1.3 | 0.61 | -68 | | |
| | | | 6/25/2013 | -- | | 14.78 | 149.52 | 520^ | -- | 3,400^A | 250 | 2.1 J | 6 | 1.9 J | < 1.5 | 88 | < 0.59 | < 0.99 | < 3.34 | 3.39 | -63 | | |
| | | | 3/13/2013 | -- | | 13.05 | 151.25 | 710*** | -- | 1,800^A | 230 | 2.5 J | 15 | 1.6 J | < 1.5 | < 14 | < 0.59 | < 0.99 | < 1.66 | 6.39 | 20 | | |
| | | | 11/9/2012 | -- | | 14.61 | 149.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | |
| 11/2/2012 | -- | | 14.23 | 150.07 | 120 ^g | -- | 540^A | 44 | 0.74 | 7.5 | 2.3 | < 0.50 | < 5.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 6.63 | 62 | | | | |
| Laboratory Detection Limit: | | | | | | | | 10 | 20 | 50 | 0.5 | 0.5 | 0.5 | 1.5 | 5 | 5 | 0.5 | 0.5 | 0.5 | Field Instrument | | | |
| Water Quality Objectives (WQOs): ¹ | | | | | | | | 1,000 | | | 1 | 150 | 300 | 1,750 | 5 | 12 | 0.05 | 0.5 | -- | -- | -- | | |

Table 1: Current & Historic Groundwater Elevation and Analytical Data - Monitoring Wells

FORMER EXXON SERVICE STATION

3055 35th AVENUE, OAKLAND, CALIFORNIA

All groundwater results are micrograms per liter (ug/L, parts per billion, ppb)

| Monitoring Point Information | | | Date | SPH (feet) | Note | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet, MSL) | Petroleum Hydrocarbon Concentration Data | | | | | | | | | | | Field Measurements Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | | | |
|-----------------------------------------------|----------------------------------|----------------------|------------|----------------------------------|--------------------------|----------------------------------|-----------------------------------|---------------------------------------------|----------|-----------------------|----------------------------|---------|--------------|---------|--------|-------|--------|---------|-----------------------------------------------|---------------------------------------|-------------------------|------|---------------|
| Well Identification # Casing Diameter | Screen Interval (feet) | TOC Elevation (feet) | | | | | | Total Petroleum Hydrocarbons | | | Volatile Organic Compounds | | | | | | | | | | | | |
| | | | | | | | | Diesel | Fuel Oil | Gasoline | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | TBA | EDB | 1,2-DCE | | | DIPE, ETBE, TAME (µg/L) | | |
| RW-5 4-inch | 5 - 25.7 | 162.34 | 3/29/2017 | -- | | -- | -- | 102* | -- | < 29 | < 0.16 | < 0.14 | < 0.20 | < 0.54 | < .077 | < 2.9 | < .079 | < 0.11 | < 0.12 - 0.064 | 7.7 | -58.7 | | |
| | | | 7/15/2015 | -- | | 14.63 | 147.71 | 150*** | -- | < 50 | 1.2 | < 0.50 | < 0.50 | < 1.50 | < 0.50 | < 5.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 0.41 | -44 | |
| | | | 1/9/2014 | -- | | 15.69 | 146.65 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.07 | -52 |
| | | | 9/20/2013 | -- | | 15.87 | 146.47 | 160*** | -- | 390A | 510 | 3.9 | 11 | 7.28J | < 0.72 | < 6.5 | < 0.28 | < 0.47 | < 0.40 - 0.64 | | 0.68 | -49 | |
| | | | 6/25/2013 | -- | | 14.81 | 147.53 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | 0.76 | -67 |
| | | | 3/13/2013 | -- | | 11.93 | 150.41 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | 1.24 | 22 |
| | | | 11/9/2012 | -- | | 14.46 | 147.88 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | -- | -- |
| | | | 9/28/2012 | -- | | 15.49 | 146.85 | 120^ | -- | 120^N | 320 | 1.3 | 0.98 | 1.4 | 0.80 | 5.7 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | | 0.73 | -78 |
| | | | 3/30/2012 | -- | | 0.40 | 161.94 | < 100 | -- | < 50 | < 0.50 | < 0.50 | < 0.50 | < 1.50 | < 0.50 | < 5.0 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | | 7.31 | -3 |
| | | | 9/22/2011 | -- | | 14.44 | 147.90 | 120** | -- | 680* | 480 | < 2.1 | < 1.7 | 16 | < 4.1 | < 17 | < 2.1 | < 3.0 | < 3.5 - 4.4 | | 0.66 | -65 | |
| | | | 3/17/2011 | -- | | 7.20 | 155.14 | < 50 | -- | 84 ^d | 21 | < 0.5 | 3.9 | 1.2 | < 0.5 | -- | -- | -- | -- | -- | | 0.79 | Not operating |
| | | | 9/10/2010 | -- | (Z ^{TPHD}) | 15.40 | 146.94 | 270 ^e (200) ^e | -- | 1,600 ^d | 470 | 5.1 | 19 | 21 | (3.6) | -- | -- | -- | -- | -- | | 0.54 | Not operating |
| | | | 3/14/2010 | -- | (Z ^{TPHD}) | 4.40 | 157.94 | 480 ^{e,f,k} (340) ^e | -- | 970 ^d | 210 | 5.2 | 12.0 | 13.0 | (41) | -- | -- | -- | -- | -- | | 1.03 | Not operating |
| | | | 9/5/2009 | -- | (Z ^{TPHD}) | 16.00 | 146.34 | 1,700 ^{f,k,m} (600) ^{f,m} | -- | 2,200 ^{n,p} | 350 | 8.5 | 4.6 | 13.0 | (50) | -- | -- | -- | -- | -- | | 1.05 | Not operating |
| | | | 6/7/2009 | Sheen ^{Field} | (Z ^{TPHD}) | 13.19 | 149.15 | 720 ^{m,f} (210) ^e | -- | 870 ^d | 100 | 4.4 | 1.3 | 2.8 | (110) | -- | -- | -- | -- | -- | | 1.13 | Not operating |
| | | | 3/14/2009 | Sheen ^{Field} | (Z ^{TPHD}) | 6.82 | 155.52 | 2,000 ^{f,k,m} (750 ^e) | -- | 2,000 ^d | 260 | 9.8 | 9.5 | 18.0 | (38) | -- | -- | -- | -- | -- | | 1.15 | Not operating |
| | | | 12/28/2008 | Sheen ^{Field} | (Z ^{TPHD}) | 10.55 | 151.79 | (250 ^m) | < 250 | 1,200 ^{d,n} | 110 | 5.6 | 2.5 | 9.8 | (81) | -- | -- | -- | -- | -- | | 1.13 | Not operating |
| | | | 9/6/2008 | Sheen ^{Field} | (Z ^{TPHD}) | 16.01 | 146.33 | (220 ^e) | -- | 1,100 ^d | 120 | 2.6 | 2.2 | 13 | 120 | -- | -- | -- | -- | -- | | 1.42 | Not operating |
| | | | 6/14/2008 | Sheen ^{Field} | (Z) | 15.21 | 147.13 | (190 ^e) | < 250 | (1,200 ^d) | (310) | (5.8) | (3.5) | (25) | < 250 | -- | -- | -- | -- | -- | | 1.73 | Not operating |
| | | | 3/9/2008 | Sheen ^{Field} | (Z) | 8.77 | 153.57 | (90 ^e) | < 250 | (1,100 ^d) | (220) | (5.3) | (4.9) | (10) | < 90 | -- | -- | -- | -- | -- | | 0.92 | Not operating |
| | | | 12/8/2007 | Sheen ^{Field} | | 13.99 | 148.35 | 370 ^{e,f} | -- | 1,900 ^d | 220 | 4.0 | 10 | 38 | 500 | -- | -- | -- | -- | -- | | 0.74 | Not operating |
| | | | 9/6/2007 | Sheen ^{Field} | | 15.85 | 146.49 | 1,000 ^{e,f} | -- | 2,500 ^d | 600 | 12 | 24 | 92 | 180 | -- | -- | -- | -- | -- | | 0.68 | Not operating |
| | | | 6/15/2007 | Sheen ^{Field & Lab} | | 13.84 | 148.50 | 2,000 ^{e,k,f,g} | -- | 3,700 ^{d,g} | 730 | 14 | 36 | 80 | < 150 | -- | -- | -- | -- | -- | | 0.65 | Not operating |
| | | | 3/16/2007 | Sheen ^{Field & Lab} | | 8.81 | 153.53 | 2,500 ^{e,f,k,g} | -- | 2,400 ^{d,g} | 180 | 3.3 | 7.3 | 10 | < 17 | -- | -- | -- | -- | -- | | 0.62 | Not operating |
| | | | 12/6/2006 | Sheen ^{Field & Lab} | | 14.53 | 147.81 | 5,500 ^{e,f,g} | -- | 8,500 ^{d,g} | 1,200 | 24 | 91 | 250 | < 900 | -- | -- | -- | -- | -- | | 0.79 | Not operating |
| | | | 9/5/2006 | Sheen ^{Field & Lab} | | 15.55 | 146.79 | 3,200 ^{e,f,k,g} | -- | 5,300 ^{d,g} | 1,000 | 31 | 61 | 230 | 370 | -- | -- | -- | -- | -- | | 0.81 | Not operating |
| | | | 6/30/2006 | Sheen ^{Field} | | 13.32 | 149.02 | 3,100 ^{e,f,k} | -- | 3,100 ^d | 590 | 15 | 27 | 88 | 410 | -- | -- | -- | -- | -- | | 0.89 | Not operating |
| 3/22/2006 | Sheen ^{Field} | | 2.55 | 159.79 | 2,700 ^{e,f,k} | -- | 7,400 ^d | 59 | 76 | 20 | 120 | < 50 | -- | -- | -- | -- | -- | | 1.10 | Not operating | | | |
| 12/14/2005 | Sheen ^{Field & Lab} | | 12.95 | 149.39 | 6,200 ^{e,f,k,g} | -- | 8,900 ^{d,g} | 1,500 | 92 | 180 | 750 | 2,300 | -- | -- | -- | -- | -- | | 1.03 | Not operating | | | |
| 9/21/2005 | Sheen ^{Field & Lab} | | 15.07 | 147.27 | 2,500 ^{e,f,k,g} | -- | 2,000 ^{d,g} | 390 | 16 | 24 | 170 | 1,300 | -- | -- | -- | -- | -- | | 0.99 | Not operating | | | |
| 6/21/2005 | Sheen ^{Field} | | 10.02 | 152.32 | 490 ^e | -- | 11,000 ^d | 1,200 | 67 | 68 | 690 | < 500 | -- | -- | -- | -- | -- | | -- | Not operating | | | |
| 3/7/2005 | Sheen ^{Field} | | 4.42 | 157.92 | 6,100 ^{e,f,k} | -- | 7,000 ^d | 720 | 63 | 97 | 670 | < 400 | -- | -- | -- | -- | -- | | 0.93 | Not operating | | | |
| 12/27/2004 | -- | | 10.45 | 151.89 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | -- | Not operating | | | |
| 9/27/2004 | -- | | 25.55 | 136.79 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | -- | Operating | | | |
| 6/16/2004 | -- | | 14.73 | 147.61 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | -- | Not operating | | | |
| 3/18/2003 | -- | | 14.48 | -- | -- | -- | 12,000 | 2,000 | 380 | 190 | 1,500 | 830 | -- | -- | -- | -- | -- | | -- | | | | |
| 1/13/2003 | -- | | 10.20 | -- | -- | -- | 3,000 | -- | 14,000 | 2,100 | 750 | 300 | 1,800 | 950 | -- | -- | -- | | 0.17 | | | | |
| Laboratory Detection Limit: | | | | | | | | 10 | 20 | 50 | 0.5 | 0.5 | 0.5 | 1.5 | 5 | 5 | 0.5 | 0.5 | 0.5 | Field Instrument | | | |
| Water Quality Objectives (WQOs): ¹ | | | | | | | | 1,000 | | | 1 | 150 | 300 | 1,750 | 5 | 12 | 0.05 | 0.5 | -- | -- | -- | | |

Table 1: Current & Historic Groundwater Elevation and Analytical Data - Monitoring Wells

FORMER EXXON SERVICE STATION

3055 35th AVENUE, OAKLAND, CALIFORNIA

All groundwater results are micrograms per liter (ug/L, parts per billion, ppb)

| Monitoring Point Information | | | Date | SPH (feet) | Note | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet, MSL) | Petroleum Hydrocarbon Concentration Data | | | | | | | | | | | Field Measurements Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | | | | |
|-------------------------------------------------|------------------------|----------------------|------------|------------|------|----------------------------------|-----------------------------------|------------------------------------------|----------|----------|----------------------------|---------|--------------|---------|--------|-------|--------|---------|-----------------------------------------------|---------------------------------------|-------------------------|------|------|---------------|
| Well Identification # <i>Casing Diameter</i> | Screen Interval (feet) | TOC Elevation (feet) | | | | | | Total Petroleum Hydrocarbons | | | Volatile Organic Compounds | | | | | | | | | | | | | |
| | | | | | | | | Diesel | Fuel Oil | Gasoline | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | TBA | EDB | 1,2-DCE | | | DIPE, ETBE, TAME (µg/L) | | | |
| RW-6 4-inch | 5 - 25.5 | 162.36 | 3/29/2017 | | | 6.22 | 156.14 | 112 | -- | 84.2* | 1.3 | < 0.14 | < 0.20 | 2.1 | < .077 | < 2.9 | < .079 | < 0.11 | < 0.12 - 0.064 | 8.74 | -453 | | | |
| | | | 7/15/2015 | -- | -- | 14.72 | 147.64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.42 | -43 | |
| | | | 1/9/2014 | -- | -- | 15.84 | 146.52 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.55 | -85 | |
| | | | 9/20/2013 | -- | -- | 15.96 | 146.40 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.78 | -79 | |
| | | | 6/25/2013 | -- | -- | 14.92 | 147.44 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.57 | -87 | |
| | | | 3/13/2013 | -- | -- | 12.15 | 150.21 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.18 | 61 | |
| | | | 11/9/2012 | -- | -- | 14.31 | 148.05 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | 9/28/2012 | -- | -- | 15.57 | 146.79 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | 3/30/2012 | -- | -- | 6.50 | 155.86 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3.54 | 70 |
| | | | 9/22/2011 | -- | -- | 14.52 | 147.84 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.83 | -86 |
| | | | 3/17/2011 | -- | -- | 7.18 | 155.18 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/10/2010 | -- | -- | 15.47 | 146.89 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/14/2010 | -- | -- | 6.45 | 155.91 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/5/2009 | -- | -- | 16.04 | 146.32 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/7/2009 | -- | -- | 13.21 | 149.15 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/14/2009 | -- | -- | 7.16 | 155.20 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 12/28/2008 | -- | -- | 12.02 | 150.34 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/6/2008 | -- | -- | 16.08 | 146.28 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/14/2008 | -- | -- | 15.28 | 147.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/9/2008 | -- | -- | 8.93 | 153.43 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 12/8/2007 | -- | -- | 14.21 | 148.15 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/6/2007 | -- | -- | 15.92 | 146.44 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/15/2007 | -- | -- | 13.90 | 148.46 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/16/2007 | -- | -- | 8.89 | 153.47 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 12/6/2006 | -- | -- | 14.63 | 147.73 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/5/2006 | -- | -- | 15.63 | 146.73 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/30/2006 | -- | -- | 13.44 | 148.92 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| 3/22/2006 | -- | -- | 5.85 | 156.51 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 12/14/2005 | -- | -- | 13.02 | 149.34 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 9/21/2005 | -- | -- | 15.13 | 147.23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 6/21/2005 | -- | -- | 10.13 | 152.23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 3/7/2005 | -- | -- | 6.05 | 156.31 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 12/27/2004 | -- | -- | 9.82 | 152.54 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 9/27/2004 | -- | -- | 18.46 | 143.90 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 6/16/2004 | -- | -- | 14.80 | 147.56 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 3/18/2004 | -- | -- | 11.47 | -- | -- | -- | -- | -- | -- | 8,500 | 1,300 | 260 | 71 | 990 | 1,300 | -- | -- | -- | -- | -- | -- | | | |
| 1/13/2003 | -- | -- | 10.35 | -- | -- | -- | -- | 2,900 | -- | 15,000 | 2,200 | 1,200 | 130 | 2,200 | 440 | -- | -- | -- | -- | 0.24 | -- | | | |
| 3/11/2002 | -- | -- | -- | -- | -- | -- | -- | 3,100 | -- | 14,000 | 970 | 520 | 170 | 2,200 | < 130 | -- | -- | -- | -- | -- | -- | | | |
| Laboratory Detection Limit: | | | | | | | | 10 | 20 | 50 | 0.5 | 0.5 | 0.5 | 1.5 | 5 | 5 | 0.5 | 0.5 | 0.5 | Field Instrument | | | | |
| Water Quality Objectives (WQOs): ¹ | | | | | | | | 1,000 | | | 1 | 150 | 300 | 1,750 | 5 | 12 | 0.05 | 0.5 | -- | -- | -- | -- | | |

Table 1: Current & Historic Groundwater Elevation and Analytical Data - Monitoring Wells

FORMER EXXON SERVICE STATION

3055 35th AVENUE, OAKLAND, CALIFORNIA

All groundwater results are micrograms per liter (ug/L, parts per billion, ppb)

| Monitoring Point Information | | | Date | SPH (feet) | Note | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet, MSL) | Petroleum Hydrocarbon Concentration Data | | | | | | | | | | | Field Measurements Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | | | | |
|-------------------------------------------------|------------------------|----------------------|------------|------------|------|----------------------------------|-----------------------------------|------------------------------------------|----------|----------|----------------------------|---------|--------------|---------|--------|-------|--------|---------|-----------------------------------------------|------------------------------------|-------------------------|------|------|---------------|
| Well Identification # <i>Casing Diameter</i> | Screen Interval (feet) | TOC Elevation (feet) | | | | | | Total Petroleum Hydrocarbons | | | Volatile Organic Compounds | | | | | | | | | | | | | |
| | | | | | | | | Diesel | Fuel Oil | Gasoline | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | TBA | EDB | 1,2-DCE | | | DIPE, ETBE, TAME (µg/L) | | | |
| RW-7 4-inch | 5 - 29.5 | 162.72 | 3/29/2017 | -- | | 3.29 | 159.43 | < 37 | -- | < 29 | < 0.16 | < 0.14 | < 0.20 | < 0.54 | < .077 | < 2.9 | < .079 | < 0.11 | < 0.12 - 0.064 | 9.36 | -146.1 | | | |
| | | | 7/15/2015 | -- | | 15.35 | 147.37 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.79 | -173 | |
| | | | 1/9/2014 | -- | | 16.43 | 146.29 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.02 | -112 | |
| | | | 9/20/2013 | -- | | 16.61 | 146.11 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.52 | -83 | |
| | | | 6/25/2013 | -- | | 15.54 | 147.18 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.64 | -95 | |
| | | | 3/13/2013 | -- | | 12.84 | 149.88 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.72 | 77 | |
| | | | 11/9/2012 | -- | | 14.77 | 147.95 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | 9/28/2012 | -- | | 18.23 | 144.49 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | 3/30/2012 | -- | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | 9/22/2011 | -- | | 15.15 | 147.57 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.16 | -69 |
| | | | 3/17/2011 | -- | | 7.75 | 154.97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/10/2010 | -- | | 16.04 | 146.68 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/14/2010 | -- | | 8.70 | 154.02 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/5/2009 | -- | | 16.55 | 146.17 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/7/2009 | -- | | 13.91 | 148.81 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/14/2009 | -- | | 7.94 | 154.78 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 12/28/2008 | -- | | 12.62 | 150.10 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/6/2008 | -- | | 16.51 | 146.21 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/14/2008 | -- | | 15.80 | 146.92 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/9/2008 | -- | | 9.69 | 153.03 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 12/8/2007 | -- | | 14.46 | 148.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/6/2007 | -- | | 16.42 | 146.30 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/15/2007 | -- | | 14.54 | 148.18 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/16/2007 | -- | | 9.69 | 153.03 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 12/6/2006 | -- | | 15.13 | 147.59 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/5/2006 | -- | | 16.12 | 146.60 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/30/2006 | -- | | 14.05 | 148.67 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| 3/22/2006 | -- | | 5.75 | 156.97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 12/14/2005 | -- | | 13.58 | 149.14 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 9/21/2005 | -- | | 15.70 | 147.02 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 6/21/2005 | -- | | 10.85 | 151.87 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 3/7/2005 | -- | | 5.82 | 156.90 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 12/27/2004 | -- | | 9.85 | 152.87 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 9/27/2004 | -- | | 18.98 | 143.74 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 6/16/2004 | -- | | 15.22 | 147.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 3/18/2004 | -- | | 15.33 | -- | -- | -- | -- | -- | -- | 250 | 66 | 4.8 | 3.2 | 10 | < 15 | -- | -- | -- | -- | -- | Not operating | | | |
| 1/13/2003 | -- | | 10.95 | -- | -- | -- | -- | 67 | -- | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 5.0 | -- | -- | -- | -- | 0.22 | | | | |
| 3/11/2002 | -- | | -- | -- | -- | -- | -- | < 50 | -- | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 5.0 | -- | -- | -- | -- | -- | | | | |
| Laboratory Detection Limit: | | | | | | | | 10 | 20 | 50 | 0.5 | 0.5 | 0.5 | 1.5 | 5 | 5 | 0.5 | 0.5 | 0.5 | Field Instrument | | | | |
| Water Quality Objectives (WQOs): ¹ | | | | | | | | 1,000 | | | 1 | 150 | 300 | 1,750 | 5 | 12 | 0.05 | 0.5 | -- | -- | -- | -- | | |

Table 1: Current & Historic Groundwater Elevation and Analytical Data - Monitoring Wells

FORMER EXXON SERVICE STATION

3055 35th AVENUE, OAKLAND, CALIFORNIA

All groundwater results are micrograms per liter (ug/L, parts per billion, ppb)

| Monitoring Point Information | | | Date | SPH (feet) | Note | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet, MSL) | Petroleum Hydrocarbon Concentration Data | | | | | | | | | | | Field Measurements Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | | | |
|-----------------------------------------------|------------------------|----------------------|------------|------------|------|----------------------------------|-----------------------------------|------------------------------------------|----------|----------|----------------------------|---------|--------------|---------|------|-------|--------|---------|-----------------------------------------------|------------------------------------|-------------------------|------|---------------|
| Well Identification # Casing Diameter | Screen Interval (feet) | TOC Elevation (feet) | | | | | | Total Petroleum Hydrocarbons | | | Volatile Organic Compounds | | | | | | | | | | | | |
| | | | | | | | | Diesel | Fuel Oil | Gasoline | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | TBA | EDB | 1,2-DCE | | | DIPE, ETBE, TAME (µg/L) | | |
| RW-8 4-inch | 5 - 29.5 | 164.13 | 3/29/2017 | -- | | 8.05 | 156.08 | 121* | -- | < 29 | < 0.16 | < 0.14 | < 0.20 | < 0.54 | 0.59 | < 2.9 | < .079 | < 0.11 | < 0.12 - 0.064 | 9.72 | -200 | | |
| | | | 7/15/2015 | -- | | 16.59 | 147.54 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.18 | -33 | |
| | | | 1/9/2014 | -- | | 17.69 | 146.44 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.33 | -68 | |
| | | | 9/20/2013 | -- | | 17.95 | 146.18 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.52 | -41 | |
| | | | 6/25/2013 | -- | | 16.88 | 147.25 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.91 | -59 | |
| | | | 3/13/2013 | -- | | 14.29 | 149.84 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.33 | 10 | |
| | | | 11/9/2012 | -- | | 15.81 | 148.32 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | 9/28/2012 | -- | | 17.38 | 146.75 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | 3/30/2012 | -- | | 8.49 | 155.64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.74 | -45 |
| | | | 9/22/2011 | -- | | 16.40 | 147.73 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.22 | -58 |
| | | | 3/17/2011 | -- | | 8.92 | 155.21 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/10/2010 | -- | | 17.25 | 146.88 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/10/2010 | -- | | 17.25 | 146.88 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/14/2010 | -- | | 8.43 | 155.70 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/5/2009 | -- | | 17.80 | 146.33 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/7/2009 | -- | | 15.20 | 148.93 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/14/2009 | -- | | 9.25 | 154.88 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 12/28/2008 | -- | | 13.80 | 150.33 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/6/2008 | -- | | 17.70 | 146.43 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/14/2008 | -- | | 17.07 | 147.06 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/9/2008 | -- | | 11.05 | 153.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 12/8/2007 | -- | | 15.60 | 148.53 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/6/2007 | -- | | 17.63 | 146.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/15/2007 | -- | | 15.81 | 148.32 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/16/2007 | -- | | 11.04 | 153.09 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 12/6/2006 | -- | | 16.37 | 147.76 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/5/2006 | -- | | 17.38 | 146.75 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/30/2006 | -- | | 15.31 | 148.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/22/2006 | -- | | 7.88 | 156.25 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 12/14/2005 | -- | | 14.80 | 149.33 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| 9/21/2005 | -- | | 16.90 | 147.23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 6/21/2005 | -- | | 12.15 | 151.98 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 3/7/2005 | -- | | 8.10 | 156.03 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 12/27/2004 | -- | | 12.32 | 151.81 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 9/27/2004 | -- | | 19.74 | 144.39 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 6/16/2004 | -- | | 16.41 | 147.72 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 3/18/2004 | -- | | 15.34 | -- | -- | -- | -- | -- | -- | 760 | 310 | 9.9 | 11 | 16 | < 25 | -- | -- | -- | -- | -- | | | |
| 1/13/2003 | -- | | 12.80 | -- | -- | -- | -- | 56 | -- | 390 | 150 | 11 | 4.1 | 4.1 | 13 | -- | -- | -- | 0.31 | -- | | | |
| 3/11/2002 | -- | | -- | -- | -- | -- | -- | 80 | -- | 1,300 | 620 | 11 | 15 | 14 | < 60 | -- | -- | -- | -- | -- | | | |
| Laboratory Detection Limit: | | | | | | | | 10 | 20 | 50 | 0.5 | 0.5 | 0.5 | 1.5 | 5 | 5 | 0.5 | 0.5 | 0.5 | Field Instrument | | | |
| Water Quality Objectives (WQOs): ¹ | | | | | | | | 1,000 | | | 1 | 150 | 300 | 1,750 | 5 | 12 | 0.05 | 0.5 | -- | -- | -- | | |

Table 1: Current & Historic Groundwater Elevation and Analytical Data - Monitoring Wells

FORMER EXXON SERVICE STATION

3055 35th AVENUE, OAKLAND, CALIFORNIA

All groundwater results are micrograms per liter (ug/L, parts per billion, ppb)

| Monitoring Point Information | | | Date | SPH (feet) | Note | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet, MSL) | Petroleum Hydrocarbon Concentration Data | | | | | | | | | | | Field Measurements Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | | |
|-----------------------------------------------|------------------------|----------------------|------------|----------------------|----------------------|----------------------------------|-----------------------------------|-----------------------------------------------|----------|------------------------|----------------------------|---------|--------------|---------|--------|-------|--------|---------|-----------------------------------------------|---------------------------------------|-------------------------|---------------|
| Well Identification # Casing Diameter | Screen Interval (feet) | TOC Elevation (feet) | | | | | | Total Petroleum Hydrocarbons | | | Volatile Organic Compounds | | | | | | | | | | | |
| | | | | | | | | Diesel | Fuel Oil | Gasoline | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | TBA | EDB | 1,2-DCE | | | DIPE, ETBE, TAME (µg/L) | |
| RW-9 4-inch | 5 - 25 | 163.86 | 3/29/2017 | -- | | 7.80 | 156.06 | 160* | -- | < 29 | < 0.16 | < 0.14 | < 0.20 | < 0.54 | 0.58 | 5.6 | < .079 | < 0.11 | < 0.12 - 0.064 | 9.40 | -90.2 | |
| | | | 7/15/2015 | -- | | 16.29 | 147.57 | 450*** | -- | 550* | 120 | 3.2 | < 0.50 | 2.2 | 9.3 | 230 | < 0.50 | < 0.50 | < 0.50 | 0.62 | -95 | |
| | | | 1/9/2014 | -- | | 17.38 | 146.48 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.87 | -64 |
| | | | 9/20/2013 | -- | | 17.39 | 146.47 | 370*** | -- | 5,900A | 4,600 | 40 | 8.4J | 8.7J | < 7.2 | < 65 | < 2.8 | < 4.7 | < 4.0 - 6.4 | 0.49 | -72 | |
| | | | 6/25/2013 | -- | | 16.49 | 147.37 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.80 | -89 |
| | | | 3/13/2013 | -- | | 13.90 | 149.96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 2.12 | 37 |
| | | | 11/9/2012 | -- | | 15.47 | 148.39 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | 9/28/2012 | -- | | 17.05 | 146.81 | 230^ | -- | 230^N | 980 | 5.6 | 2.2 | 2.5 | 7.4 | 110 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 0.37 | -133 |
| | | | 3/30/2012 | -- | | 8.12 | 155.74 | < 100 | -- | < 50 | 5.1 | < 0.50 | < 0.50 | < 1.50 | < 0.50 | < 5.0 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 6.13 | 20 |
| | | | 9/22/2011 | -- | | 16.12 | 147.74 | 230** | -- | 1,900* | 1,600 | 8.4 | 12 | ND | 8.3 | < 17 | < 2.1 | < 3.0 | < 3.5 - 4.4 | 1.03 | -123 | |
| | | | 3/17/2011 | -- | | 8.60 | 155.26 | < 50 | -- | 300^d | 83 | 1.6 | < 0.5 | < 0.5 | (1.9) | -- | -- | -- | -- | -- | 0.88 | Not operating |
| | | | 9/10/2010 | -- | | 16.91 | 146.95 | 310 ^{e,f} (210) ^{e,f} | -- | 5,700^d | 2,800 | 16 | < 2.5 | 37 | (20) | -- | -- | -- | -- | -- | 0.70 | Not operating |
| | | | 3/14/2010 | -- | | 8.15 | 155.71 | 770 ^e (700) ^e | -- | 11,000^d | 3,900 | 80 | 120.0 | 450 | (31) | -- | -- | -- | -- | -- | 1.10 | Not operating |
| | | | 9/5/2009 | -- | | 17.40 | 146.46 | 3,000 ^{f,m} (1,100) ^{e,f,m} | -- | 8,300^d | 3,100 | 32 | 5.5 | 69 | (25) | -- | -- | -- | -- | -- | 1.02 | Not operating |
| | | | 6/7/2009 | Sheen Field & Lab | | 14.90 | 148.96 | 4,800 ^{m,f} (910) ^e | -- | 12,000^d | 3,500 | 87 | 150 | 330 | (30) | -- | -- | -- | -- | -- | 1.19 | Not operating |
| | | | 3/14/2009 | Sheen Field | | 8.97 | 154.89 | 450 ^e (440) ^e | -- | 14,000^d | 3,600 | 71 | 190 | 380 | (31) | -- | -- | -- | -- | -- | 1.21 | Not operating |
| | | | 12/28/2008 | Sheen Field | | 13.41 | 150.45 | (950 ^e) | < 250 | 7,300^d | 3,500 | 24 | 150 | 200 | (30) | -- | -- | -- | -- | -- | 1.28 | Not operating |
| | | | 9/6/2008 | Sheen Lab | | 17.31 | 146.55 | (1,600 ^{e,g}) | -- | 13,000 ^{d,g} | 3,600 | 52 | 170 | 220 | < 350 | -- | -- | -- | -- | -- | 1.22 | Not operating |
| | | | 6/14/2008 | -- | | 16.71 | 147.15 | (610) | < 250 | (8,100 ^e) | (2,800) | (33) | (610) | (100) | (220) | < 210 | -- | -- | -- | -- | 1.29 | Not operating |
| | | | 3/9/2008 | -- | | 10.86 | 153.00 | (570 ^e) | < 250 | (10,000 ^d) | (4,200) | (71) | (180) | (380) | < 35 | -- | -- | -- | -- | -- | 0.86 | Not operating |
| | | | 12/8/2007 | Sheen Field | | 15.22 | 148.64 | 1,000 ^{e,f} | -- | 9,300^d | 2,900 | 24 | 150 | 170 | < 250 | -- | -- | -- | -- | -- | 0.89 | Not operating |
| | | | 9/6/2007 | Sheen Field & Lab | | 17.29 | 146.57 | 2,200 ^{e,f,g} | -- | 13,000 ^{d,g} | 2,700 | 61 | 240 | 350 | < 400 | -- | -- | -- | -- | -- | 0.66 | Not operating |
| | | | 6/15/2007 | -- | | 15.48 | 148.38 | 670 ^e | -- | 12,000^d | 3,000 | 44 | 170 | 220 | < 250 | -- | -- | -- | -- | -- | 0.68 | Not operating |
| | | | 3/16/2007 | Sheen Lab | | 10.83 | 153.03 | 1,200 ^e | -- | 16,000 ^{d,g} | 3,700 | 76 | 230 | 340 | < 350 | -- | -- | -- | -- | -- | 0.71 | Not operating |
| | | | 12/6/2006 | Sheen Lab | | 16.04 | 147.82 | 660 ^{e,g} | -- | 13,000 ^{d,g} | 3,000 | 29 | 180 | 260 | < 250 | -- | -- | -- | -- | -- | 0.74 | Not operating |
| | | | 9/5/2006 | -- | | 17.02 | 146.84 | 1,100 ^e | -- | 14,000^d | 3,900 | 39 | 200 | 230 | < 330 | -- | -- | -- | -- | -- | 0.69 | Not operating |
| | | | 6/30/2006 | -- | | 15.04 | 148.82 | 1,400 ^e | -- | 14,000^d | 3,100 | 53 | 130 | 260 | < 300 | -- | -- | -- | -- | -- | 0.73 | Not operating |
| | | | 3/22/2006 | -- | | 7.63 | 156.23 | 680 ^e | -- | 7,600^d | 2,900 | 59 | 190 | 310 | < 200 | -- | -- | -- | -- | -- | 0.95 | Not operating |
| 12/14/2005 | -- | | 14.52 | 149.34 | 1,100 ^{e,f} | -- | 6,300^d | 1,900 | 29 | 150 | 260 | < 50 | -- | -- | -- | -- | -- | 0.98 | Not operating | | | |
| 9/21/2005 | Sheen Lab | | 16.62 | 147.24 | 820 ^{e,f,g} | -- | 8,300 ^{d,g} | 2,500 | 36 | 190 | 310 | < 170 | -- | -- | -- | -- | -- | 1.04 | Not operating | | | |
| 6/21/2005 | -- | | 11.90 | 151.96 | 630 ^e | -- | 9,400^d | 2,400 | 69 | 210 | 470 | < 350 | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 3/7/2005 | -- | | 7.87 | 155.99 | 510 ^e | -- | 9,000^d | 2,600 | 69 | 200 | 550 | < 500 | -- | -- | -- | -- | -- | 0.91 | Not operating | | | |
| 12/27/2004 | -- | | 24.88 | 138.98 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | |
| 9/27/2004 | -- | | 19.83 | 144.03 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | |
| 6/16/2004 | -- | | 16.03 | 147.83 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | |
| 3/18/2004 | -- | | 13.69 | -- | -- | -- | -- | 2,300 | 770 | 32 | 15 | 200 | < 50 | -- | -- | -- | -- | -- | -- | | | |
| 1/13/2003 | -- | | 11.85 | -- | -- | -- | -- | 2,000 | -- | 23,000 | 7,700 | 610 | 310 | < 500 | -- | -- | -- | 0.39 | -- | | | |
| 3/11/2002 | -- | | -- | -- | -- | -- | -- | 880 | -- | 12,000 | 3,400 | 230 | 78 | 1,300 | < 240 | -- | -- | -- | -- | | | |
| Laboratory Detection Limit: | | | | | | | | 10 | 20 | 50 | 0.5 | 0.5 | 0.5 | 1.5 | 5 | 5 | 0.5 | 0.5 | 0.5 | Field Instrument | | |
| Water Quality Objectives (WQOs): ¹ | | | | | | | | 1,000 | | | 1 | 150 | 300 | 1,750 | 5 | 12 | 0.05 | 0.5 | -- | -- | -- | |

Table 1: Current & Historic Groundwater Elevation and Analytical Data - Monitoring Wells

FORMER EXXON SERVICE STATION

3055 35th AVENUE, OAKLAND, CALIFORNIA

All groundwater results are micrograms per liter (ug/L, parts per billion, ppb)

| Monitoring Point Information | | | Date | SPH (feet) | Note | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet, MSL) | Petroleum Hydrocarbon Concentration Data | | | | | | | | | | | Field Measurements | | | | |
|-------------------------------------------------|------------------------|----------------------|------------|------------|------|----------------------------------|-----------------------------------|------------------------------------------|----------|----------|----------------------------|---------|--------------|---------|--------|-------|--------|---------|-------------------------|------------------------------------|-------------------------|------|---------------|
| Well Identification # <i>Casing Diameter</i> | Screen Interval (feet) | TOC Elevation (feet) | | | | | | Total Petroleum Hydrocarbons | | | Volatile Organic Compounds | | | | | | | | Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | | | |
| | | | | | | | | Diesel | Fuel Oil | Gasoline | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | TBA | EDB | 1,2-DCE | | | DIPE, ETBE, TAME (µg/L) | | |
| RW-10 4-inch | 5 - 25 | 163.02 | 3/29/2017 | -- | | 6.60 | 156.42 | 107* | -- | < 29 | < 0.16 | < 0.14 | < 0.20 | < 0.54 | < .077 | < 2.9 | < .079 | < 0.11 | < 0.12 - 0.064 | 7.86 | 14.0 | | |
| | | | 7/15/2015 | -- | | 15.22 | 147.80 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.29 | -123 | |
| | | | 1/9/2014 | -- | | 16.33 | 146.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.01 | -115 | |
| | | | 9/20/2013 | -- | | 16.53 | 146.49 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.71 | -102 | |
| | | | 6/25/2013 | -- | | 15.41 | 147.61 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.75 | -126 | |
| | | | 3/13/2013 | -- | | 12.81 | 150.21 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.91 | -12 | |
| | | | 11/9/2012 | -- | | 14.52 | 148.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | 9/28/2012 | -- | | 16.01 | 147.01 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | 3/30/2012 | -- | | 7.02 | 156.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.79 | -43 |
| | | | 9/22/2011 | -- | | 15.11 | 147.91 | -- | -- | 1,900* | 1,600 | 8.4 | 12 | < 3.6 | < 4.1 | -- | -- | -- | -- | < 3.5 - 4.4 | 0.77 | -104 | |
| | | | 3/17/2011 | -- | | 7.64 | 155.38 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/10/2010 | -- | | 15.87 | 147.15 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/14/2010 | -- | | 6.32 | 156.70 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/5/2009 | -- | | 16.36 | 146.66 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/7/2009 | -- | | 13.96 | 149.06 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/14/2009 | -- | | 8.02 | 155.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 12/28/2008 | -- | | 12.42 | 150.60 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/6/2008 | -- | | 16.23 | 146.79 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/14/2008 | -- | | 15.64 | 147.38 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/9/2008 | -- | | 9.96 | 153.06 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 12/8/2007 | -- | | 14.23 | 148.79 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/6/2007 | -- | | 16.23 | 146.79 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/15/2007 | -- | | 14.52 | 148.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/16/2007 | -- | | 9.91 | 153.11 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 12/6/2006 | -- | | 15.02 | 148.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/5/2006 | -- | | 15.98 | 147.04 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/30/2006 | -- | | 14.13 | 148.89 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/22/2006 | -- | | 6.53 | 156.49 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 12/14/2005 | -- | | 13.37 | 149.65 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/21/2005 | -- | | 15.51 | 147.51 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| 6/21/2005 | -- | | 10.95 | 152.07 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 3/7/2005 | -- | | 6.40 | 156.62 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 12/27/2004 | -- | | 19.39 | 143.63 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 9/27/2004 | -- | | 18.35 | 144.67 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 6/16/2004 | -- | | 15.03 | 147.99 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 3/18/2004 | -- | | 13.13 | -- | -- | -- | -- | -- | -- | 5,800 | 2,400 | 11 | < 10 | 110 | < 300 | -- | -- | -- | -- | | | | |
| 1/13/2003 | -- | | 10.75 | -- | -- | -- | -- | 330 | -- | 4,300 | 1,500 | 43 | 98 | 98 | < 100 | -- | -- | -- | 0.41 | | | | |
| 3/11/2002 | -- | | -- | -- | -- | -- | -- | 740 | -- | 12,000 | 3,900 | 150 | 110 | 1,100 | < 270 | -- | -- | -- | -- | | | | |
| Laboratory Detection Limit: | | | | | | | | 10 | 20 | 50 | 0.5 | 0.5 | 0.5 | 1.5 | 5 | 5 | 0.5 | 0.5 | 0.5 | Field Instrument | | | |
| Water Quality Objectives (WQOs): ¹ | | | | | | | | 1,000 | | | 1 | 150 | 300 | 1,750 | 5 | 12 | 0.05 | 0.5 | -- | -- | -- | | |

Table 1: Current & Historic Groundwater Elevation and Analytical Data - Monitoring Wells

FORMER EXXON SERVICE STATION

3055 35th AVENUE, OAKLAND, CALIFORNIA

All groundwater results are micrograms per liter (ug/L, parts per billion, ppb)

| Monitoring Point Information | | | Date | SPH (feet) | Note | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet, MSL) | Petroleum Hydrocarbon Concentration Data | | | | | | | | | | | Field Measurements | Oxidation Reduction Potential (mV) | | | |
|-------------------------------------------------|------------------------|----------------------|------------|------------|------|----------------------------------|-----------------------------------|------------------------------------------|----------|----------|----------------------------|---------|--------------|---------|--------|-------|--------|---------|-------------------------|------------------------------------|-------------------------|------|---------------|
| Well Identification # <i>Casing Diameter</i> | Screen Interval (feet) | TOC Elevation (feet) | | | | | | Total Petroleum Hydrocarbons | | | Volatile Organic Compounds | | | | | | | | | | Dissolved Oxygen (mg/L) | | |
| | | | | | | | | Diesel | Fuel Oil | Gasoline | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | TBA | EDB | 1,2-DCE | DIPE, ETBE, TAME (µg/L) | | | | |
| RW-11 4-inch | 5 - 25 | 162.67 | 3/29/2017 | -- | | 6.45 | 156.22 | < 37 | -- | < 29 | < 0.16 | < 0.14 | < 0.20 | < 0.54 | < .077 | < 2.9 | < .079 | < 0.11 | < 0.12 - 0.064 | 8.72 | -188.7 | | |
| | | | 7/15/2015 | -- | | 14.68 | 147.99 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.39 | -126 | |
| | | | 1/9/2014 | -- | | 15.85 | 146.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.85 | -72 | |
| | | | 9/20/2013 | -- | | 15.89 | 146.78 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.90 | -77 | |
| | | | 6/25/2013 | -- | | 14.98 | 147.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.68 | -85 | |
| | | | 3/13/2013 | -- | | 12.31 | 150.36 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 2.13 | -31 | |
| | | | 11/9/2012 | -- | | 13.91 | 148.76 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | 9/28/2012 | -- | | 15.61 | 147.06 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | 3/30/2012 | -- | | 6.51 | 156.16 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.32 | -106 |
| | | | 9/22/2011 | -- | | 14.50 | 148.17 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.94 | -96 |
| | | | 3/17/2011 | -- | | 7.10 | 155.57 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/10/2010 | -- | | 15.42 | 147.25 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/14/2010 | -- | | 6.50 | 156.17 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/5/2009 | -- | | 16.02 | 146.65 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/7/2009 | -- | | 13.21 | 149.46 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/14/2009 | -- | | 7.14 | 155.53 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 12/28/2008 | -- | | 12.01 | 150.66 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/6/2008 | -- | | 15.99 | 146.68 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/14/2008 | -- | | 15.26 | 147.41 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/9/2008 | -- | | 8.81 | 153.86 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 12/8/2007 | -- | | 13.83 | 148.84 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/6/2007 | -- | | 15.84 | 146.83 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/15/2007 | -- | | 13.90 | 148.77 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/16/2007 | -- | | 8.85 | 153.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 12/6/2006 | -- | | 14.55 | 148.12 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/5/2006 | -- | | 15.56 | 147.11 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/30/2006 | -- | | 13.36 | 149.31 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/22/2006 | -- | | 5.70 | 156.97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| 12/14/2005 | -- | | 12.96 | 149.71 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 9/21/2005 | -- | | 15.09 | 147.58 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 6/21/2005 | -- | | 9.96 | 152.71 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 3/7/2005 | -- | | 5.95 | 156.72 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 12/27/2004 | -- | | 10.07 | 152.60 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 9/27/2004 | -- | | 18.44 | 144.23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 6/16/2004 | -- | | 14.75 | 147.92 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 3/18/2004 | -- | | 12.45 | -- | -- | -- | -- | -- | -- | 9,300 | 980 | 120 | 180 | 770 | 2,000 | -- | -- | -- | -- | -- | | | |
| 1/13/2003 | -- | | 9.80 | -- | -- | -- | -- | 2,700 | -- | 5,300 | 490 | 110 | 120 | 120 | 180 | -- | -- | -- | 0.24 | -- | | | |
| 3/11/2002 | -- | | -- | -- | -- | -- | -- | < 50 | -- | 260 | 34 | 5.3 | 8.1 | 48 | < 5.0 | -- | -- | -- | -- | -- | | | |
| Laboratory Detection Limit: | | | | | | | | 10 | 20 | 50 | 0.5 | 0.5 | 0.5 | 1.5 | 5 | 5 | 0.5 | 0.5 | 0.5 | Field Instrument | | | |
| Water Quality Objectives (WQOs): ¹ | | | | | | | | 1,000 | | | 1 | 150 | 300 | 1,750 | 5 | 12 | 0.05 | 0.5 | -- | -- | -- | | |

Table 1: Current & Historic Groundwater Elevation and Analytical Data - Monitoring Wells

FORMER EXXON SERVICE STATION

3055 35th AVENUE, OAKLAND, CALIFORNIA

All groundwater results are micrograms per liter (ug/L, parts per billion, ppb)

| Monitoring Point Information | | | Date | SPH (feet) | Note | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet, MSL) | Petroleum Hydrocarbon Concentration Data | | | | | | | | | | | Field Measurements | Oxidation Reduction Potential (mV) | | | |
|-------------------------------------------------|------------------------|----------------------|------------|------------|------|----------------------------------|-----------------------------------|------------------------------------------|----------|----------|----------------------------|---------|--------------|---------|--------|-------|--------|---------|-------------------------|------------------------------------|-------------------------|------|---------------|
| Well Identification # <i>Casing Diameter</i> | Screen Interval (feet) | TOC Elevation (feet) | | | | | | Total Petroleum Hydrocarbons | | | Volatile Organic Compounds | | | | | | | | | | Dissolved Oxygen (mg/L) | | |
| | | | | | | | | Diesel | Fuel Oil | Gasoline | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | TBA | EDB | 1,2-DCE | DIPE, ETBE, TAME (µg/L) | | | | |
| RW-12 4-inch | 5 - 27 | 163.06 | 3/29/2017 | -- | | 5.89 | 157.17 | 104* | -- | < 29 | < 0.16 | < 0.14 | < 0.20 | < 0.54 | < .077 | < 2.9 | < .079 | < 0.11 | < 0.12 - 0.064 | 7.76 | 105.2 | | |
| | | | 7/15/2015 | -- | | 15.27 | 147.79 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.15 | -87 | |
| | | | 1/9/2014 | -- | | 16.35 | 146.71 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.37 | -81 | |
| | | | 9/20/2013 | -- | | 16.36 | 146.70 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.85 | -90 | |
| | | | 6/25/2013 | -- | | 15.46 | 147.60 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.17 | -48 | |
| | | | 3/13/2013 | -- | | 12.83 | 150.23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.96 | 38 | |
| | | | 11/9/2012 | -- | | 14.98 | 148.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | 9/28/2012 | -- | | 15.94 | 147.12 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | 3/30/2012 | -- | | 7.06 | 156.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.09 | -8 |
| | | | 9/22/2011 | -- | | 15.01 | 148.05 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.75 | -77 |
| | | | 3/17/2011 | -- | | 7.68 | 155.38 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/10/2010 | -- | | 15.93 | 147.13 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/14/2010 | -- | | 6.29 | 156.77 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/5/2009 | -- | | 16.59 | 146.47 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/7/2009 | -- | | 13.70 | 149.36 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/14/2009 | -- | | 7.77 | 155.29 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 12/28/2008 | -- | | 12.80 | 150.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/6/2008 | -- | | 16.58 | 146.48 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/14/2008 | -- | | 15.74 | 147.32 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/9/2008 | -- | | 9.43 | 153.63 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 12/8/2007 | -- | | 14.87 | 148.19 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/6/2007 | -- | | 16.42 | 146.64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/15/2007 | -- | | 14.44 | 148.62 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/16/2007 | -- | | 9.52 | 153.54 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/16/2007 | -- | | 9.52 | 153.54 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 12/6/2006 | -- | | 15.11 | 147.95 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/5/2006 | -- | | 16.11 | 146.95 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| 6/30/2006 | -- | | 13.95 | 149.11 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 3/22/2006 | -- | | 6.35 | 156.71 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 12/14/2005 | -- | | 13.43 | 149.63 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 9/21/2005 | -- | | 15.63 | 147.43 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 6/21/2005 | -- | | 10.58 | 152.48 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 3/7/2005 | -- | | 6.59 | 156.47 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 12/27/2004 | -- | | 10.85 | 152.21 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 9/27/2004 | -- | | 19.09 | 143.97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 6/16/2004 | -- | | 15.30 | 147.76 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 3/18/2004 | -- | | 13.63 | -- | -- | -- | -- | -- | -- | 17,000 | 2,700 | 960 | 230 | 1,500 | 1,400 | -- | -- | -- | -- | -- | | | |
| 1/13/2003 | -- | | 10.90 | -- | -- | -- | -- | 1,800 | -- | 4,100 | 1,000 | 130 | 99 | 99 | < 100 | -- | -- | -- | 0.21 | -- | | | |
| 3/11/2002 | -- | | -- | -- | -- | -- | -- | 900 | -- | 13,000 | 4,500 | 130 | 130 | 270 | < 5.0 | -- | -- | -- | -- | -- | | | |
| Laboratory Detection Limit: | | | | | | | | 10 | 20 | 50 | 0.5 | 0.5 | 0.5 | 1.5 | 5 | 5 | 0.5 | 0.5 | 0.5 | Field Instrument | | | |
| Water Quality Objectives (WQOs): ¹ | | | | | | | | 1,000 | | | 1 | 150 | 300 | 1,750 | 5 | 12 | 0.05 | 0.5 | -- | -- | -- | | |

Table 1: Current & Historic Groundwater Elevation and Analytical Data - Monitoring Wells

FORMER EXXON SERVICE STATION

3055 35th AVENUE, OAKLAND, CALIFORNIA

All groundwater results are micrograms per liter (ug/L, parts per billion, ppb)

| Monitoring Point Information | | | Date | SPH (feet) | Note | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet, MSL) | Petroleum Hydrocarbon Concentration Data | | | | | | | | | | | Field Measurements | | Oxidation Reduction Potential (mV) | | |
|-------------------------------------------------|------------------------|-----------------------|------------|------------|------|----------------------------------|-----------------------------------|------------------------------------------|----------|------------------|----------------------------|---------|--------------|---------|--------|-------|--------|---------|-------------------------|-------------------------|------------------------------------|------|---------------|
| Well Identification # <i>Casing Diameter</i> | Screen Interval (feet) | TOC Elevation (feet) | | | | | | Total Petroleum Hydrocarbons | | | Volatile Organic Compounds | | | | | | | | Dissolved Oxygen (mg/L) | | | | |
| | | | | | | | | Diesel | Fuel Oil | Gasoline | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | TBA | EDB | 1,2-DCE | | DIPE, ETBE, TAME (µg/L) | | | |
| RW-13 4-inch | 5 - 25 | 164.34 (Split) | 3/28/2017 | -- | | 6.76 | 157.58 | < 37 | -- | < 29 | < 0.16 | < 0.14 | < 0.20 | < 0.54 | < .077 | < 2.9 | < .079 | < 0.11 | < 0.12 - 0.064 | 8.05 | 172.7 | | |
| | | | 7/15/2015 | -- | | 15.71 | 148.63 | < 100 | -- | 79 ¹ | 1.2 | < 0.5 | < 0.5 | < 1.5 | < 0.50 | 38 | < 0.50 | < 0.50 | < 0.50 | 0.35 | -107 | | |
| | | | 1/9/2014 | -- | | 17.01 | 147.33 | 110* | -- | 440** | 43 | < 0.50 | 2.5 | < 1.5 | 5.2 | 200 | < 0.5 | < 0.5 | < 1.5 | 0.74 | -67 | | |
| | | | 1/9/2014 | -- | | 17.01 | 147.33 | < 100 | -- | 150** | 12 | < 0.50 | < 0.50 | < 1.5 | 5.2 | 60 | < 0.5 | < 0.5 | < 1.5 | 0.27 | -61 | | |
| | | | 9/20/2013 | -- | | 17.01 | 147.33 | < 100 | -- | 390A | 84 | 1.1 | 2.1 | 1.1 | < 0.5 | 10 | < 0.5 | < 0.5 | < 1.5 | 0.18 | -55 | | |
| | | | 6/25/2013 | -- | | 16.01 | 148.33 | < 100 | -- | 210 ^A | 86 | 1.7 | 5.3 | 3.1 | 5.9 | 110 | < 0.5 | < 0.5 | < 1.5 | 0.12 | -86 | | |
| | | | 3/26/2013 | -- | | 13.92 | 150.42 | < 100 | -- | < 50 | < 0.5 | < 0.5 | < 0.5 | < 1.5 | < 0.5 | < 5 | < 0.5 | < 0.5 | < 1.5 | 1.95 | 70 | | |
| | | | 3/13/2013 | -- | | 13.22 | 151.12 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.13 | 97 | |
| | | | 11/9/2012 | -- | | 15.11 | 149.23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | 9/28/2012 | -- | | 16.39 | 147.95 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | 3/30/2012 | -- | | 7.45 | 156.89 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3.65 | 43 |
| | | | 9/22/2011 | -- | | 15.55 | 148.79 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.78 | -78 |
| | | | 3/17/2011 | -- | | 8.19 | 156.15 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/10/2010 | -- | | 16.45 | 147.89 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/14/2010 | -- | | 7.49 | 156.85 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/5/2009 | -- | | 17.10 | 147.24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/7/2009 | -- | | 14.31 | 150.03 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/14/2009 | -- | | 8.16 | 156.18 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 12/28/2008 | -- | | 13.26 | 151.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/6/2008 | -- | | 17.10 | 147.24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/14/2008 | -- | | 16.32 | 148.02 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/9/2008 | -- | | 9.85 | 154.49 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 12/8/2007 | -- | | 14.97 | 149.37 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/6/2007 | -- | | 16.95 | 147.39 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/15/2007 | -- | | 14.98 | 149.36 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/16/2007 | -- | | 9.93 | 154.41 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 12/6/2006 | -- | | 15.70 | 148.64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/5/2006 | -- | | 16.62 | 147.72 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/30/2006 | -- | | 14.44 | 149.90 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/22/2006 | -- | | 6.65 | 157.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| 12/14/2005 | -- | | 14.11 | 150.23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 9/21/2005 | -- | | 16.20 | 148.14 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 6/21/2005 | -- | | 11.05 | 153.29 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 3/7/2005 | -- | | 6.90 | 157.44 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 12/27/2004 | -- | | 18.12 | 146.22 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 9/27/2004 | -- | | 19.55 | 144.79 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 6/16/2004 | -- | | 15.83 | 148.51 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 3/18/2004 | -- | | 13.45 | -- | -- | -- | -- | -- | -- | 150 | 47 | 1.0 | 2.1 | 1.5 | < 5.0 | -- | -- | -- | -- | | | | |
| 1/13/2003 | -- | | 11.20 | -- | -- | -- | -- | 92 | -- | 210 | 54 | 2.0 | 2.7 | 2.7 | < 5.0 | -- | -- | -- | 0.35 | | | | |
| 3/11/2002 | -- | | -- | -- | -- | -- | -- | 79 | -- | 830 | 190 | 13 | 13 | 34 | < 5.0 | -- | -- | -- | -- | | | | |
| Laboratory Detection Limit: | | | | | | | | 10 | 20 | 50 | 0.5 | 0.5 | 0.5 | 1.5 | 5 | 5 | 0.5 | 0.5 | 0.5 | Field Instrument | | | |
| Water Quality Objectives (WQOs): ¹ | | | | | | | | 1,000 | | | 1 | 150 | 300 | 1,750 | 5 | 12 | 0.05 | 0.5 | -- | -- | -- | | |

Table 1: Current & Historic Groundwater Elevation and Analytical Data - Monitoring Wells

FORMER EXXON SERVICE STATION

3055 35th AVENUE, OAKLAND, CALIFORNIA

All groundwater results are micrograms per liter (ug/L, parts per billion, ppb)

| Monitoring Point Information | | | Date | SPH (feet) | Note | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet, MSL) | Petroleum Hydrocarbon Concentration Data | | | | | | | | | | | Field Measurements Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | | | |
|-----------------------------------------------|------------------------|-----------------------|-----------|------------|------|----------------------------------|-----------------------------------|------------------------------------------|----------|----------|----------------------------|---------|--------------|---------|--------|-------|--------|---------|-----------------------------------------------|------------------------------------|-------------------------|------|---------------|
| Well Identification # Casing Diameter | Screen Interval (feet) | TOC Elevation (feet) | | | | | | Total Petroleum Hydrocarbons | | | Volatile Organic Compounds | | | | | | | | | | | | |
| | | | | | | | | Diesel | Fuel Oil | Gasoline | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | TBA | EDB | 1,2-DCE | | | DIPE, ETBE, TAME (µg/L) | | |
| RW-14 4-inch | 5 - 25 | 163.76 (Split) | 3/28/2017 | -- | | 6.53 | 157.23 | < 37 | -- | < 29 | 7.7 | < 0.14 | 2.9 | < 0.54 | < .077 | < 2.9 | < .079 | < 0.11 | < 0.12 - 0.064 | 7.84 | 171.6 | | |
| | | | 7/15/2015 | -- | | 15.39 | 148.37 | 140*** | -- | 78* | 1.2 | < 0.5 | < 0.5 | < 1.5 | < 0.5 | 31 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 0.61 | -122 | |
| | | | 1/9/2014 | -- | | 16.53 | 147.23 | 360* | -- | 1,200** | 470 | 6.1 | 3.4 | 1.2 | < 0.50 | 98 | < 0.50 | < 0.50 | DIPE = 0.71 | 0.63 | -102 | | |
| | | | 1/9/2014 | -- | | 16.53 | 147.23 | 1,200* | -- | 720** | 130 | < 0.50 | 1.2 | 2.2 | < 0.50 | 85 | < 0.50 | < 0.50 | DIPE = 0.83 | 0.24 | -87 | | |
| | | | 9/20/2013 | -- | | 16.64 | 147.12 | 150*** | -- | 170A | 83 | 1.6 | 2.4 | 1.1 | 5.5 | 34 | < 0.50 | < 0.50 | < 1.5 | 0.15 | -88 | | |
| | | | 6/25/2013 | -- | | 15.64 | 148.12 | 280^ | -- | 560^A | 65 | 0.93 | 2 | < 1.5 | < 0.50 | 34 | < 0.50 | < 0.50 | < 1.5 | 0.24 | -92 | | |
| | | | 3/26/2013 | -- | | 13.49 | 150.27 | < 100 | -- | < 50 | 1.5 | < 0.5 | < 0.5 | < 1.5 | < 0.5 | < 5 | < 0.50 | < 0.5 | < 1.5 | 1.34 | 23 | | |
| | | | 3/13/2013 | -- | | 12.90 | 150.86 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.32 | 62 | |
| | | | 11/9/2012 | -- | | 14.72 | 149.04 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | 9/28/2012 | -- | | 16.12 | 147.64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | 3/30/2012 | -- | | 7.11 | 156.65 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.43 | 10 |
| | | | 9/22/2011 | -- | | 15.22 | 148.54 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.80 | -108 |
| | | | 3/17/2011 | -- | | 7.82 | 155.94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/10/10 | -- | | 16.10 | 147.66 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/14/10 | -- | | 7.10 | 156.66 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/5/09 | -- | | 16.71 | 147.05 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/7/09 | -- | | 13.97 | 149.79 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/14/09 | -- | | 7.88 | 155.88 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 12/28/08 | -- | | 12.82 | 150.94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/6/08 | -- | | 16.68 | 147.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/14/08 | -- | | 15.90 | 147.86 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/9/2008 | -- | | 9.60 | 154.16 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 12/8/2007 | -- | | 14.57 | 149.19 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 9/6/2007 | -- | | 16.54 | 147.22 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/15/2007 | -- | | 14.61 | 149.15 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/16/2007 | -- | | 9.66 | 154.10 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| 12/6/2006 | -- | | 15.31 | 148.45 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 9/5/2006 | -- | | 16.21 | 147.55 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 6/30/2006 | -- | | 14.10 | 149.66 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 3/22/2006 | -- | | 6.43 | 157.33 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 12/14/2005 | -- | | 13.73 | 150.03 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 9/21/2005 | -- | | 15.82 | 147.94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 6/21/2005 | -- | | 10.80 | 152.96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| 3/7/2005 | -- | | 6.61 | 157.15 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | | | |
| Laboratory Detection Limit: | | | | | | | | 10 | 20 | 50 | 0.5 | 0.5 | 0.5 | 1.5 | 5 | 5 | 0.5 | 0.5 | 0.5 | Field Instrument | | | |
| Water Quality Objectives (WQOs): ¹ | | | | | | | | 1,000 | | | 1 | 150 | 300 | 1,750 | 5 | 12 | 0.05 | 0.5 | -- | -- | -- | | |

Table 1: Current & Historic Groundwater Elevation and Analytical Data - Monitoring Wells

FORMER EXXON SERVICE STATION

3055 35th AVENUE, OAKLAND, CALIFORNIA

All groundwater results are micrograms per liter (ug/L, parts per billion, ppb)

| Monitoring Point Information | | | Date | SPH (feet) | Note | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet, MSL) | Petroleum Hydrocarbon Concentration Data | | | | | | | | | | | | Field Measurements | Oxidation Reduction Potential (mV) | |
|-----------------------------------------------------|------------------------|----------------------|------------|------------|------|----------------------------------|-----------------------------------|------------------------------------------|----------|----------|----------------------------|---------|--------------|---------|-------|-----|------|---------|-------------------------|-------------------------|------------------------------------|---------------|
| Well Identification # <i>Casing Diameter</i> | Screen Interval (feet) | TOC Elevation (feet) | | | | | | Total Petroleum Hydrocarbons | | | Volatile Organic Compounds | | | | | | | | | | | |
| | | | | | | | | Diesel | Fuel Oil | Gasoline | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | TBA | EDB | 1,2-DCE | DIPE, ETBE, TAME (µg/L) | Dissolved Oxygen (mg/L) | | |
| Continued RW-14 | | | 12/27/2004 | -- | | 12.62 | 151.14 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating | |
| | | | 9/27/2004 | -- | | 19.20 | 144.56 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 6/16/2004 | -- | | 15.41 | 148.35 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not operating |
| | | | 3/18/2004 | -- | | 12.81 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | 1/13/2003 | -- | | 11.00 | -- | 6800 | -- | 3700 | 230 | 77 | 91 | 91 | < 50 | -- | -- | -- | -- | -- | 0.38 | |
| | | | 3/11/2002 | -- | | -- | -- | 82 | -- | 270 | 44 | 0.99 | < 0.5 | 4.2 | < 5.0 | -- | -- | -- | -- | -- | -- | |
| Laboratory Detection Limit: | | | | | | | | 10 | 20 | 50 | 0.5 | 0.5 | 0.5 | 1.5 | 5 | 5 | 0.5 | 0.5 | 0.5 | Field Instrument | | |
| Water Quality Objectives (WQOs):¹ | | | | | | | | 1,000 | | | 1 | 150 | 300 | 1,750 | 5 | 12 | 0.05 | 0.5 | -- | -- | -- | |

Notes

Tabulated data prior to September 22, 2011 was provided by Conestoga-Rovers & Associates (CRA) TOC = Top of Casing

Notes for Previously Collected Data

All site wells were re-surveyed by Virgil Chavez Land Surveying on June 2, 2004 to the CA State

Coordinate System, Zone III (NAD83). Benchmark elevation = 177.397 feet (NGVD 29)

SPH = Separate-phase hydrocarbons depth measured from TOC

(Z) = Laboratory used Zemo Gravity Separation Protocol for Extractables & Purgeables

(Z^{TPHd}) = Laboratory used Zemo Gravity Separation Protocol for Extractables (TPHd)

() = Zero Gravity Separation Protocol Use Prior to Analysis

TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method SW8015C

TPHd = Total petroleum hydrocarbons as diesel by modified EPA Method SW8015C; with Dawn Zemo Separation in (parentheses)

TPHmo = Total petroleum hydrocarbons as motor oil by modified EPA Method SW8015C

Benzene, Toluene, Ethylbenzene, and Xylenes by EPA Method SW8021B

MTBE = Methyl tertiary butyl ether by EPA Method SW8021B, or by SW8260B (designated by parentheses)

Sheen = A sheen was observed on the water's surface.

Field = Observed in field

Lab = Observed in analytical laboratory

Notes:

a = Result has an atypical pattern for diesel analysis

b = Result appears to be a lighter hydrocarbon than diesel

-- = Flooded w/ storm water

Notes:

c = There is a >40% difference between primary and confirmation analysis

d = Unmodified or weakly modified gasoline is significant

e = Gasoline range compounds are significant

f = Diesel range compounds are significant; no recognizable pattern

g = Lighter than water immiscible sheen/product is present

h = One to a few isolated peaks present

i = Medium boiling point pattern does not match diesel (stoddard solvent)

j = Aged diesel is significant

k = Oil range compounds are significant

l = Liquid sample that contains greater than ~1 vol. % sediment

m = Stoddard solvent/mineral spirit

n = Strongly aged gasoline or diesel range compounds are significant in the TPHg chromatogram.

o = MTBE by EPA Method SW8260B

p = No recognizable pattern

* = Well inaccessible during site visit

** = No water in well due to system operating in well, value reflects total well depth.

= abnormally high reading due to added hydrogen peroxide

-- = Not sampled; not analyzed; not applicable; or no SPH measured or observed

Weber, Hayes and Associates Notes:

Newly installed wells MW-5 and MW-6 were professionally surveyed and tied into the existing well network by Mid-Coast Engineers on November 2, 2012.

1 = Water Quality Objectives: Based on Maximum Contaminant Levels (Department of Health Services) or taste & odor threshold limits.

2 = "Split" sample was collected by traditional purging and sampling technique (i.e., submersible pump purging at 1 gpm; sample upon sufficient well recovery) rather than low-flow sampling technique in order to compare/contrast analytical results as a function of sample technique.

TAME (Tert-amyl-methyl ether), TBA (tert-Butyl alcohol), EDB (1,2-Dibromoethane), 1,2-DCE (1,2-Dichloroethene), DIPE (Diisopropyl ether), ETBE (Ethyl Tert-Butyl Ether).

Bold Font = Detected concentration exceeds Water Quality Objectives

* = Laboratory report indicates that although TPH-gas results are present, sample chromatogram does not resemble pattern of reference Gasoline standard (possibly aged gasoline)

** = Laboratory reports that result not typical of Diesel #2 standard pattern (possibly aged diesel or other fuel within the diesel quantification range such as diesel #4 or fuel oil).

*** = Laboratory report indicates that the sample chromatographic pattern does not resemble typical diesel standard pattern; unknown fuel pattern lighter than diesel possibly a type of naphtha or weathered gasoline.

^ = Sample chromatographic pattern does not resemble typical diesel standard pattern; unknown organics within diesel range quantified as diesel.

Ñ = Not typical of Gasoline standard pattern. Result due to discrete peak (Benzene).

J = Laboratory indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative.

A = Laboratory report indicates although TPH Gasoline compounds are present, the sample pattern does not match pattern of reference Gasoline standard. Hydrocarbons within range of C5-C12 quantified as Gasoline.

T = Laboratory reports result does not match pattern of reference Gasoline standard. Reported TPH value includes amount due to discrete peaks and non-target hydrocarbons within range of C5-C12 quantified as Gasoline.

= Diesel result due to discrete unknown peaks within quantified range

+ = Does not match pattern of reference Gasoline standard. Reported value is the result of extractable hydrocarbons overlap.

O = Wells RW-5 and RW-7 exhibited anomalously high water levels on March 30, 2012; analytical results from well RW-5 are likely not representative.

APPENDIX A
Field Methodologies

APPENDIX A: Field Methodology for Hydraulic Driven Probes Using Macro-Core®, Large Bore® or Dual Tube® Hydraulic Driven Probes

Direct push exploratory borings are “drilled” with a Hydraulic Driven Probe drill rig, which hydraulically vibrates and drives a steel sample probe and rods into the soil. This sampling technology has the ability for either continuous or discrete sampling using a 4-foot long nickel-plated sampling probe fitted with clear acetate liners. For continuous cores, the sampler remains open as it is driven into undisturbed soil over its entire 4-foot sampling interval.

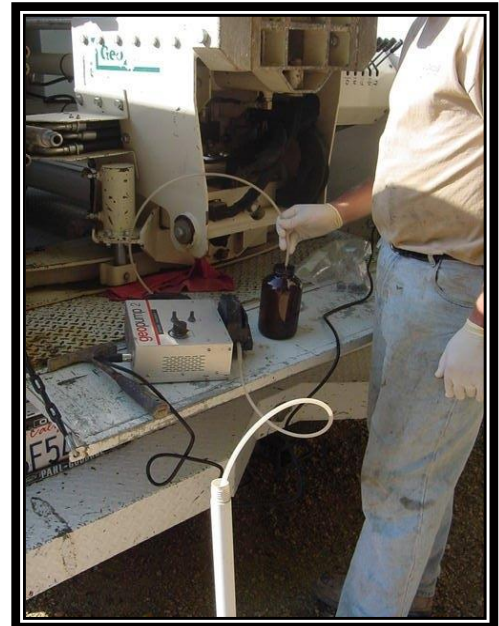
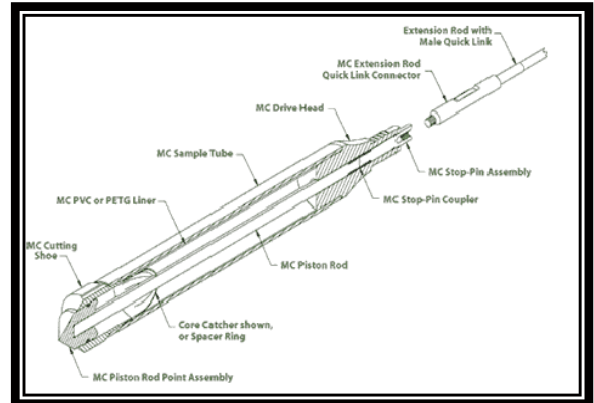
The soil cores are retrieved and logged by an experienced geologist using the Unified Soil Classification System (USCS), noting, the lithology of the soils, moisture content, and any unusual odor or discoloration. Relatively undisturbed soil samples are obtained for both lithologic logging and laboratory analysis. A portion of each individual soil core is stored in a sealed plastic bag for field screening of hydrocarbons and/or volatile organic compounds by a Photoionization Detector (PID). Vapor readings in parts per million (ppm) are recorded on the boring logs. The PID is also used during drilling for monitoring the work area for site safety.

All drilling equipment is decontaminated prior to arriving on-site to prevent possible transfer of contamination from another site. The sampling probe, rods, and all other soil sampling equipment are thoroughly cleaned between each borehole by washing in a Liqui-Nox or Alconox solution followed by double rinsing with distilled water to prevent the cross-contamination.

After drilling, the direct push boreholes are grouted with continuous pour neat cement grout from the bottom of the borehole to the ground surface, or completed as shallow screened piezometers.

Samples Targeted for Laboratory Analysis:

Soil samples targeted for laboratory analysis are immediately cut from the acetate sample liner and protected at both ends with Teflon tape, sealed with non-reactive caps, taped, labeled, placed in a



plastic Ziploc baggie, and immediately stored in an insulated container chilled to a temperature of 4 degree Celsius.

Groundwater samples are collected after temporary PVC casing is placed in the hole and at least one borehole volume is purged and groundwater is visually observed to be free of sediment. Groundwater samples are either: 1) collected with a peristaltic pump and dedicated polyethylene tubing and dispensed directly into containers specifically prepared for the analyses (groundwater encountered at depths of less than 27 feet bgs) or 2) collected by mechanically lifting groundwater through a clean stainless steel foot valve and dedicated polyethylene and dispensed directly into containers specifically prepared for the analyses (groundwater encountered at depths greater than 27 feet bgs where a peristaltic pump cannot be used). Samples being analyzed for dissolved metals will be preserved and acidified by the testing laboratory following their receipt of samples. Once collected, groundwater sample containers are placed in Ziploc bags and are stored in an insulated container chilled to a temperature of 4 degree Celsius.

All samples are transported in chilled coolers to a State-certified laboratory under appropriate chain-of-custody documents. Soil samples that may be put on "hold" for potential future analysis will be stored in a dedicated sample freezer, be frozen, and stored under chain-of-custody documentation. Hold times will be confirmed with the testing laboratory to ensure that potential analysis of any "hold" samples will be analyzed within the laboratory hold times.

FIELD METHODOLOGY FOR INSTALLING SHALLOW PIEZOMETERS

Soil borings for piezometer installation will be drilled by a California C-57 licensed well drilling contractor using hydraulic direct push technology (see above). The borings will initially be continuously-cored to the target depth using hydraulic driven probes in accordance with our standard field methodology. The target depth for the bottom of the piezometers at this site is 12 feet below ground surface (bgs).

Extracted soil cores will be logged by an experienced field geologist using the Unified Soil Classification System. A Photoionization Detector (PID), calibrated for benzene, will be used to field-screen the extracted soil cores for potential volatile organic vapors. Lithologic observations and PID readings will be recorded on the boring log.

Following soil coring to approximately 12.5 feet bgs, a pre-packed piezometer consisting of a ¾-inch diameter Schedule 40 Polyvinyl Chloride (Sch 40 PVC) inner casing with 5 feet of 0.010-inch width slots at the base surrounded by #3 sand in a nominal 2-inch diameter stainless steel mesh, with approximately 7 feet of blank Sch 40 PVC casing above, will be constructed in the boring either by:

- A. Removing the drill rods and installing the pre-pack piezometer in the open borehole (if the hole stays open), or

B. Installing the pre-pack piezometer through the GeoProbe® Rods using an expendable anchor point

In either case, the piezometer will be completed by placing #2/12 sand in the annulus around the pre-pack screen from the base of the borehole at 12 feet bgs to approximately 5 feet bgs (2-feet above the screen section), placing and hydrating a 1-foot thick bentonite seal above the sand, and placing a cement grout sanitary seal above the bentonite seal (from approximately 4-feet bgs to the base of the piezometer vault. A 4- or 8-inch diameter bolt-down, flush mounted vault will be set at the ground surface above the piezometer. The ¾-inch diameter inner casing will be sealed with a locking cap inside the vault. A piezometer construction diagram is shown in the attached Figure.

After a minimum of 48-hours has elapsed following piezometer installation, the piezometers will be developed to remove suspended materials and assist in establishing good hydraulic conductivity with the surrounding formation (if water is present). Piezometer development will consist of removing up to 10 saturated volumes with a peristaltic pump. During development, the physical parameters of temperature, conductivity, pH, dissolved oxygen concentration, and Oxidation-Reduction Potential of the development water will be monitored with a calibrated, QED MP20 Micropurge flow-through cell and meter to ensure that these parameters have stabilized (are within approximately 10 percent of the previous measurement). Development will be complete (stabilized groundwater conditions reached) after the removal of approximately ten piezometer volumes of water, when groundwater turbidity is observed to be low or absent, and/or when the physical parameters have stabilized.

When development is complete, groundwater samples will be collected according to our standard Field Methodology for Groundwater Monitoring at this site, which is described below.

Field Methodology for Groundwater Monitoring

Weber, Hayes and Associates' groundwater monitoring field methodology at this site is based on procedures specified in the LUFT Field Manual and US EPA Groundwater Sampling Procedure - Low Stress (Low Flow) Purging and Sampling. The first step in groundwater monitoring is for Weber, Hayes and Associates field personnel to measure the depth-to-groundwater to the nearest hundredth (0.01) of a foot with an electric sounder. If the well appears to be pressurized, or the groundwater level is fluctuating, measurements are made until the groundwater levels stabilize, and a final depth-to-groundwater measurement is taken and recorded. After the depth-to-groundwater is measured, the piezometer or well is then checked for the presence of free product with a clear, disposable polyethylene bailer. If free product is present, the thickness of the layer is recorded, and the product is bailed to a sheen. All field data (depth-to-groundwater, well purge volume, physical parameters, and sampling method) is recorded on field data sheets. Because removing free product may skew the data, wells that contain free product are not used in groundwater elevation and gradient calculations.

After measuring the depth-to-groundwater, each piezometer or well is purged with a low flow peristaltic pump and dedicated sample tubing at a rate of less than 500 mL/min. The sample tubing intake is positioned at the center of the water column within the screened portion of the well. During purging, the water level in the well is monitored to maintain a drawdown of 0.33 feet or less if possible. The flow rate is adjusted to maintain minimal drawdown. During purging the physical parameters of temperature, conductivity, pH, dissolved oxygen (D.O.) concentration, and Oxidation-Reduction Potential (ORP) of the purge water are monitored with a QED MP20 Micropurge Flow Through Cell equipped meter to insure these parameters have stabilized (i.e. +/- 0.1 for pH, +/- 3% for specific conductance, +/- 10 mV for redox potential, and +/- 10% for D.O.). The QED MP20 meter is capable of continuously monitoring the physical parameters of the purge water via the flow through cell and providing an alarm to indicate when the physical parameters have stabilized to the user's specifications. Purging is determined to be complete (stabilized aquifer conditions reached) after the removal of approximately three to five piezometer or well volumes of water, or when the physical parameters have stabilized. Samples will be collected immediately after development if physical parameters have stabilized. Dissolved oxygen and ORP measurements may be used as an indicator of intrinsic bioremediation within the contaminant plume. All field instruments are calibrated before use.

All purge water is stored on site in DOT-approved, 55-gallon drums for disposal by a state-licensed contractor pending laboratory analysis for fuel hydrocarbons.

After purging, and when groundwater parameters have stabilized, a groundwater sample is collected from each piezometer or well with dedicated sample tubing, and decanted into the appropriate laboratory-supplied sample container(s). The sample containers for the piezometers will be three (3) 40-milliliter VOA vials. Vials are filled until a convex meniscus formed above the vial rim, then sealed with a Teflon®-septum cap, and inverted to insure there are no air bubbles or headspace in the vial. All samples will be labeled in the field and transported in insulated containers cooled with blue ice to a State-certified laboratory under proper chain of custody procedures.

All field and sampling equipment will be decontaminated before, between, and after measurements or sampling by washing in a Liqui-Nox and tap water solution, rinsing with tap water, and rinsing with distilled water.

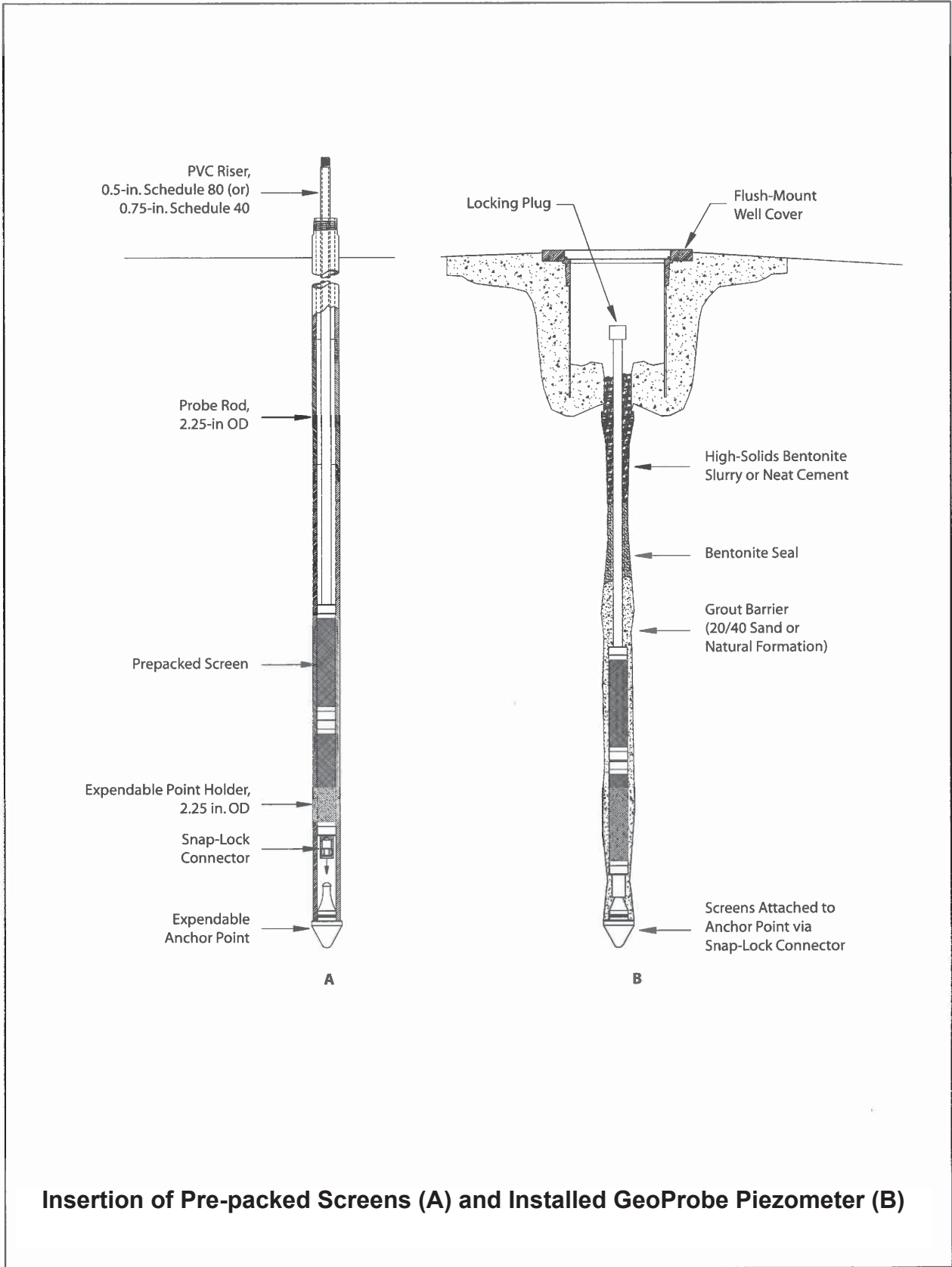


Figure A-1