

**SEMI-ANNUAL GROUNDWATER AND SURFACE WATER
MONITORING REPORT
JANUARY 1 THROUGH JUNE 30, 2018
CAMPUS BAY, RICHMOND, CALIFORNIA**

Prepared for

Zeneca Inc.

Prepared by

Terraphase Engineering Inc.
1404 Franklin Street, Suite 600
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July 31, 2018

Project Number 0009.002.038



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ACRONYMS AND ABBREVIATIONS

1,2-DCA	1,2-dichloroethane
AMR	Annual Groundwater and Surface Water Monitoring Report
AMSL	above mean sea level
Arcadis	Arcadis U.S. Inc.
AWQC	ambient water quality criteria
BAPB	Biologically Active Permeable Barrier
bgs	below ground surface
CCV	continuing calibration verification
cis-1,2-DCE	cis-1,2-dichloroethene
CSV	Cherokee Simeon Venture I, LLC
DTSC	Department of Toxic Substances Control
EPA	United States Environmental Protection Agency
ERD	enhanced reductive dechlorination
ESM	East Stege Marsh
FS/RAP	Feasibility Study/Remedial Action Plan
ft/ft	foot per foot
FWL	Freshwater Lagoon
GMW	groundskeeper maintenance worker
HHRA	Human Health Risk Assessment
ICV	initial calibration verification
IMW	temporary monitoring well prefix
LH	lower horizon
mg/L	milligrams per liter
MW	monitoring well prefix
Order	DTSC Site Investigation and Remediation Order, Docket No. IS/E-RAO 06/07-005
ORP	oxidation reduction potential
PCE	tetrachloroethene
PZ	piezometer prefix
QAPP	Quality Assurance Project Plan

QA/QC	quality assurance/quality control
Site	Former Zeneca property, now known as Campus Bay
SMR	Semi-Annual Groundwater and Surface Water Monitoring Report
SSG	Site-Specific Goal
SU	standard units
TCE	trichloroethene
Terraphase	Terraphase Engineering, Inc.
trans-1,2-DCE	trans-1,2-dichloroethene
µg/L	micrograms per liter
UC BGC	University of California Berkeley Global Campus at Richmond Bay
UH	upper horizon
VC	vinyl chloride
VOC	volatile organic compound

CERTIFICATION

All geologic information, conclusions, and recommendations in this document have been prepared by a California Professional Geologist.



July 31, 2018

Andrew Romolo. P.G. (8110)
Vice President and Principal Geologist

Date

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1.0 INTRODUCTION

Terraphase Engineering Inc. (Terraphase) has prepared this semi-annual groundwater and surface water monitoring report (SMR) on behalf of Zeneca Inc. for the former Zeneca property, now known as Campus Bay, located in Richmond, California (“the Site;” Figures 1 and 2). Groundwater and surface water monitoring is performed in accordance with the requirements of the California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) Site Investigation and Remediation Order, Docket No. IS/E-RAO 06/07-005 (“the Order”), which was issued by the DTSC on September 15, 2006 (DTSC 2006). Terraphase has prepared this SMR to fulfill the reporting obligations of the respondents under the Order; namely, Zeneca Inc., The Regents of the University of California, Bayer Crop Science Inc., and Cherokee Simeon Venture I, LLC (CSV). The groundwater sampling, monitoring and laboratory analysis were completed in accordance with the methods, procedures, and sample matrix provided in Appendix A, except for five wells which were decommissioned by Arcadis US. Inc. (Arcadis) as discussed in Section 3.0.

This SMR presents the data from groundwater and surface water samples collected from January 1 to June 30, 2018 (“the Reporting Period”) and provides the historical chemical concentration data and data trends (Appendix B and Appendix C, respectively) from January 2003 through June 2018. Groundwater and surface water monitoring were conducted in accordance with the “Comprehensive Monitoring Plan, Subunit 1 of Meade Street Operable Unit, Former Zeneca Inc., Richmond Facility, Richmond, California,” dated November 7, 2002 (LFR 2002) as modified by the California Regional Water Quality Control Board’s review comments. The laboratory data reports for the samples collected during this Reporting Period are included in Appendix D. Data validation reports are included in Appendix E.

This SMR presents the results for monitoring data collected during the Reporting Period from groundwater monitoring wells and surface water sampling locations that are part of the regular monitoring program at the Site. The data are assessed to identify any significant changes in site conditions relative to what was previously reported in the 2017 Annual Groundwater and Surface Water Monitoring Report (AMR; Terraphase 2018a).

1.1 Site Information

The following summarizes the Site information as it pertains to the Respondents requirements stipulated by the Order.

Site Location	Campus Bay 1360 South 49 th Street Richmond, California 94804
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Site Contact	Charles Elmendorf Zeneca Inc. 1800 Concord Pike P.O. Box 15437 Wilmington, Delaware 19850-5437
Primary Consultant/Contact Person for Upland Groundwater Monitoring	Andrew Romolo, P.G. (8110) Vice President and Principal Geologist Terraphase Engineering Inc. 1404 Franklin Street, Suite 600 Oakland California 94612 (510) 326-1473
Lead Regulatory Agency	DTSC
Lead Regulatory Agency Contact	Lynn Nakashima Department of Toxic Substances Control 700 Heinz Avenue, Suite 200 Berkeley, California 94710-2721 (510) 540-3839

2.0 WORK PERFORMED THIS MONITORING PERIOD

The following presents the groundwater and surface water monitoring activities completed at the Site during the Reporting Period. For reference, this section also discusses additional field activities conducted at the Site during the Reporting Period that are not directly related to groundwater and surface water monitoring.

- Semi-annual groundwater level measurements and sampling took place April 2, 2018 through April 16, 2018. The groundwater sampling, monitoring and laboratory analysis were completed in accordance with the methods, procedures, and sample matrix provided in Appendix A.
- Storm water samples were collected in January through April 2018 from two of the three outfall locations: Outfall 002 and Outfall 003. During the Reporting Period, maintenance was completed on the autosamplers located at Outfall 002 and Outfall 003. In February 2018, the two pumps located in Outfall 002 vault were replaced.
- Inspection and maintenance of the temporary cap was completed by Arcadis during the first half of 2018 (January through June 2018). The results of the cap inspections during the first half of 2018 will be presented in a separate report expected to be submitted to the DTSC by August 1, 2018. This report will discuss observations and associated maintenance activities such as weeding and cap repairs.
- East Stege Marsh (ESM) monitoring activities were conducted in accordance with the ESM Operations and Maintenance Program (Arcadis 2013).
- Monitoring well maintenance activities were performed concurrently with the sampling activities to address monitoring well conditions noted during the sampling activities in April 2018. Maintenance activities included removing surface water from well boxes, and cleaning the well boxes, gaskets, and bolts with a wire brush. Further details are included in Appendix A.

3.0 GROUNDWATER MONITORING SUMMARY

Project Phase	<ul style="list-style-type: none"> • Semi-Annual Groundwater Monitoring and Sampling. • Feasibility Study/Remedial Action Plan (FS/RAP).
Number of wells Monitored/Sampled	<p>In April 2018, depth-to-water measurements were collected from 93 monitoring wells and piezometers. Groundwater samples were collected from 84 monitoring wells and piezometers.</p> <p>In December 2017, following the annual groundwater monitoring event, five of the monitoring wells included in Appendix A were abandoned by Arcadis in preparation for Habitat Area 2 (HA-2) remediation as approved by DTSC (DTSC 2017). The five groundwater monitoring wells abandoned were MW-16A, MW-16B, MW-17, PZ-13, and PZ-14. These wells will be removed from the groundwater monitoring program until the wells are reinstalled following the HA-2 remediation.</p> <p>A map of sample locations within the monitoring network is presented on Figure 2. The groundwater monitoring well construction details are summarized in Table 1. A map of the sample locations for the University of California Berkeley Global Campus at Richmond Bay (UC BGC) wells is provided in Appendix F.</p>
Frequency of Monitoring/Sampling	Semi-annual
Groundwater Elevation Range	<p>Groundwater elevation at the Site ranged from 3.87 to 14.98 feet above sea level (AMSL) (National Geodetic Vertical Datum) during the April 2018 sampling event.</p> <p>Table 2 provides current and historical depth to groundwater and groundwater elevation data for the Site.</p>
Groundwater Horizons	Two water bearing units have been identified at the Site (Woodward 1993): the upper horizon (defined as groundwater shallower than 25 feet below ground surface [bgs]) and the lower horizon (defined as groundwater deeper than 25 feet bgs).
Groundwater Gradient and Flow Direction	<p>Upper Horizon Groundwater</p> <p>In April 2018, the hydraulic gradient between wells MW-26 and MW-29 was calculated as 0.0028 foot per foot (ft/ft) and the groundwater flow direction was generally to the south.</p>

	<p>Lower Horizon Groundwater</p> <p>In April 2018, the hydraulic gradient between wells IMW-29 and MW-10B was calculated as 0.0040 ft/ft and the groundwater flow direction was generally to the south.</p> <p>The flow directions and gradients observed during the Reporting Period are generally consistent with the measurements collected during previous reporting periods.</p> <p>Groundwater elevation contour maps from April 2018 for upper horizon and lower horizon groundwater are provided on Figures 3 and 4, respectively.</p> <p>Groundwater flow is variable due to tidal influences. Tide data is included in Appendix A, Attachment A-2 for April 2, 2018, the date on which depth to groundwater measurements were collected.</p>
<p>Upper Horizon/Lower Horizon Vertical Gradient</p>	<p>In April 2018, the vertical gradient between the upper and lower horizons in monitoring well pairs was measured to be downward at two locations (well pairs MW-10A/10B, MW-11A/11B) and upward at one location (well pair MW-32A/32B).</p> <p>Upper and lower monitoring well pair MW-16A/16B was decommissioned by Arcadis in December 2017 and vertical gradients were not measured in this well pair.</p> <p>Vertical gradients in the vicinity of ESM are influenced by the tidal cycle and can vary depending on the time the measurement was collected relative to the tidal cycle.</p>
<p>Field Measurements</p>	<p>The field measurements recorded during the collection of groundwater samples during the Reporting Period are included in Table 6. Water quality parameters were documented during sampling. Groundwater field data forms are provided in Appendix A. Groundwater pH as measured at the time of sample collection is presented in Figures 5 and 6 for the upper horizon wells and lower horizon wells, respectively.</p>
<p>Analytical Results</p>	<p>Tables 3 through 6 and 8 present groundwater analytical data for groundwater samples collected during the Reporting Period. Details regarding screening criteria are presented in Table 7 and are based on site-specific goals (SSGs) presented in the Revised Human Health</p>

	<p>Risk Assessment (HHRA) prepared by Erler & Kalinowski, Inc. (EKI 2008) and the revised SSGs for trichloroethene (TCE) prepared by Terraphase (Terraphase 2012) and presented in the FS/RAP for Lot 1, Lot 2, and the Uplands Portion of Lot 3, Campus Bay, Richmond, California (Terraphase 2018b). For reference, the applicable screening criteria presented in Table 7 are also included on Tables 3, 4, 5, and 8.</p> <p>Isoconcentration maps for the reporting period are presented in Figures 7, 9, 11, 13, 15, 17, 19, and 21, which include results pertaining to upper horizon groundwater concentrations of tetrachloroethene (PCE), TCE, vinyl chloride (VC), 1,2-dichloroethane (1,2-DCA), arsenic, copper, nickel, and zinc. Corresponding lower horizon groundwater results are presented in Figures 8, 10, 12, 14, 16, 18, 20, and 22, respectively.</p> <p>Groundwater analytical results for samples collected from each monitoring well since 2003 have been tabulated and are included electronically in Appendix B. Additionally, concentration-versus-time graphs for constituents that exceeded screening criteria during the Reporting Period are presented in Appendix C. The analytical laboratory reports are included in Appendix D. The concentration-versus-time graphs and analytical laboratory reports for the UC BGC monitoring wells are provided in Appendix F.</p>
<p>Changes in Site Conditions</p>	<p>No significant changes in Site conditions were noted relative to the conditions reported in the 2017 Annual Monitoring Report (Terraphase 2018a). A few wells showed concentration increases relative to the previous monitoring event (October 2017) as noted in Sections 3.1 and 3.2. These trends will continue to be monitored.</p>

3.1 Volatile Organic Compounds

The following table presents a summary of the wells that exceeded the screening criteria for volatile organic compounds (VOCs; data summarized in Table 3) and a brief summary of the observed concentration trends in each well since groundwater monitoring began in the well. The trend analysis is based on a review of a best fit trend line for the data presented in the concentration-versus-time graphs provided in Appendix C. Concentration-versus time graphs for the UC BGC wells are provided in Appendix F. An 'X' in the table indicates an exceedance of the respective criterion; if blank no exceedance is observed. During the Reporting Period, the following VOCs were detected above the site specific screening criteria: benzene, carbon

tetrachloride (CT), 1,2-DCA, cis-1,2-dichloroethene (cis-1,2-DCE), PCE, trans-1,2dichloroethene (trans-1,2-DCE), TCE, and VC. In general, a review of the data indicates that where enhanced reductive dechlorination (ERD) has been pilot tested, concentrations of cis-1,2-DCE and VC have increased, coupled with decreases in PCE and TCE concentrations. These cis-1,2-DCE and VC increases are expected with the degradation process being monitored in these areas and can be addressed upon implementation of the recommended remedy proposed in the FSRAP.

Well ID	Ground-water Horizon	Analyte	Residential SSG	Commercial/ Industrial SSG	Groundskeeper/ Maintenance Worker SSG	5x, 40x, or 160x Aquatic Criteria	Drinking Water Standard	Trend
Lot 1								
<i>Lot 1-2 ERD Pilot Study Area (pilot study implemented in Oct – Nov 2006)</i>								
IMW-1	UH	VC	X			NA	X	Generally decreasing since October 2012
IMW-2	UH	VC	X	X		NA	X	General decrease August 2009 until April 2013; General increase since April 2013; Concentration decrease April 2018 relative to October 2017
IMW-3	UH	VC	X	X		NA	X	General decrease November 2011 until October 2015; General increase since October 2015
IMW-4	UH	VC	X			NA	X	Fluctuates seasonally; decreasing trend since August 2008
<i>Lot 1-5 & MW-25 ERD Pilot Study Area (implemented November – December 2009)</i>								
IMW-15	LH	cis-1,2-DCE				NA	X	Fluctuates, but generally increasing from October 2012 to April 2014; general decreasing trend since October 2015
		VC				NA	X	Generally increasing since October 2013; Decrease in 2018 relative to October 2017
IMW-16	LH	cis-1,2-DCE				NA	X	Generally increasing since May 2010
		TCE				NA	X	Generally decreasing since October 2009

Well ID	Ground-water Horizon	Analyte	Residential SSG	Commercial/ Industrial SSG	Groundskeeper/ Maintenance Worker SSG	5x, 40x, or 160x Aquatic Criteria	Drinking Water Standard	Trend
		VC				NA	X	Generally increasing since August 2010; Decrease in 2018 relative to October 2017
IMW-17	LH	cis-1,2-DCE				NA	X	Increase from February 2010 to October 2015. Generally decreasing trend since October 2015
		TCE				NA	X	Generally decreasing since September 2006
IMW-23	UH	TCE				NA	X	Fluctuates; overall decreasing since October 2009
IMW-26	UH	VC	X	X		NA	X	Fluctuates; overall decreasing since October 2015
IMW-27	UH	cis-1,2-DCE				NA	X	Fluctuates seasonally, but general increase August 2010 until October 2015; General decrease since October 2015
		PCE				NA	X	Fluctuates seasonally, but generally decreasing since October 2014
		TCE				NA	X	Fluctuates, but overall decreasing since May 2010
		VC	X	X		NA	X	Fluctuates seasonally; General increase April 2014 until October 2016; General decrease since October 2016
IMW-28	UH	cis-1,2-DCE				NA	X	Fluctuates seasonally; General decrease since November 2010
		PCE				NA	X	Generally stable from January 2013 to April 2015; Seasonal fluctuations beginning in October 2015; Overall decreasing since October 2016

Well ID	Ground-water Horizon	Analyte	Residential SSG	Commercial/ Industrial SSG	Groundskeeper/ Maintenance Worker SSG	5x, 40x, or 160x Aquatic Criteria	Drinking Water Standard	Trend
		TCE	X			NA	X	Fluctuates; generally decreasing since April 2014
		VC	X	X		NA	X	Fluctuates; generally decreasing since October 2014
IMW-29	LH	cis-1,2-DCE				NA	X	Slight increasing trend since April 2015
		trans-1,2-DCE				NA	X	Increase beginning October 2014; stable concentrations since October 2015
		TCE				NA	X	Decreasing since October 2009
		VC				NA	X	Increasing from August 2010 to April 2014; decreasing April 2014 to October 2015; increasing October 2015 to October 2016; increase from October 2017
IMW-30	UH	cis-1,2-DCE				NA	X	Generally decreasing October 2012 to April 2017; increase from April 2017
		TCE	X	X		NA	X	No detections above the laboratory reporting limit from April 2011 to October 2017. Increase from October 2017 to April 2018.
		VC				NA	X	No detections above the laboratory reporting limit from December 2011 to October 2017. Decrease in April 2018 relative to from October 2017
IMW-31	UH	cis-1,2-DCE				NA	X	Fluctuates, but overall increasing from October 2012 to October 2015; Decreasing trend relative to previous concentrations since October 2015
		VC	X	X		NA	X	Increasing trend from April 2013 to October 2016.

Well ID	Ground-water Horizon	Analyte	Residential SSG	Commercial/ Industrial SSG	Groundskeeper/ Maintenance Worker SSG	5x, 40x, or 160x Aquatic Criteria	Drinking Water Standard	Trend
								Decreasing trend relative to previous concentrations since October 2016.
IMW-33	LH	cis-1,2-DCE				NA	X	Fluctuates, but overall increasing since October 2012
		VC				NA	X	Fluctuates, overall increasing trend since October 2013
MW-25R	UH	cis-1,2-DCE				NA	X	Fluctuates; overall increasing since April 2013
		PCE	X		X	NA	X	Fluctuates; General decrease since April 2015
		TCE				NA	X	Fluctuates, but overall decreasing since October 2009
		VC	X	X		NA	X	Fluctuates, but overall decreasing since October 2016.
MW-30	UH	TCE				NA	X	Increasing since April 2015; slight decrease in April 2017 relative to October 2016
		VC				NA	X	Results were less than the reporting limit from installation in 2006 until April 2015; minor increases since April 2015
PZ-11	UH	cis-1,2-DCE				NA	X	Fluctuates; Generally decreasing since October 2015
		TCE				NA	X	Decreasing since October 2009
		VC	X	X		NA	X	Fluctuates; generally increasing from April 2016; Concentration decrease in April 2018 relative to October 2017
PZ-12	UH	VC	X	X		NA	X	Generally increasing December 2011 to April 2016: Decreasing since April 2016

Well ID	Ground-water Horizon	Analyte	Residential SSG	Commercial/ Industrial SSG	Groundskeeper/ Maintenance Worker SSG	5x, 40x, or 160x Aquatic Criteria	Drinking Water Standard	Trend
Lot 2								
<i>Lot 2-27 ERD Pilot Study Area (pilot study implemented November 2006)</i>								
IMW-22	UH	1,2-DCA				NA	X	Decreasing from April 2006 to April 2013; increase from April 2014 to April 2015 relative to previous years; General decrease since October 2015
		cis-1,2-DCE				NA	X	Generally increasing from 2006 to 2013; Fluctuates but general decrease since October 2013.
		VC	X	X		NA	X	Fluctuates, but overall increasing from April 2011 to October 2014; decreasing trend since October 2014.
IMW-5	UH	cis-1,2-DCE				NA	X	Slight increasing trend since October 2015.
		VC	X	X		NA	X	Increasing trend since October 2015.
IMW-6	UH	1,2-DCA				NA	X	Generally decreasing trend August 2008 to April 2014; General increasing trend since October 2014 but levels remain below the August 2008 levels
		cis-1,2-DCE				NA	X	Overall decrease from 2007; Increase from April 2013 to April 2014, followed by a decreasing trend; stable since April 2015
		TCE				NA	X	Overall decrease from 2007; Stable since April 2010
		VC	X			NA	X	Generally decreasing since April 2014

Well ID	Ground-water Horizon	Analyte	Residential SSG	Commercial/ Industrial SSG	Groundskeeper/ Maintenance Worker SSG	5x, 40x, or 160x Aquatic Criteria	Drinking Water Standard	Trend
IMW-7	UH	1,2-DCA	X	X		NA	X	Overall decreasing since September 2006; increasing since October 2016
		VC				NA	X*	Fluctuates, but overall decreasing since 2007
IMW-8	UH	cis-1,2-DCE				NA	X	Concentrations stable from August 2008 to October 2013; decrease since April 2014
		VC	X	X		NA	X	Stable from August 2008 to October 2013; April 2014 result shows increase relative to previous monitoring event followed by a decrease. Concentrations appear stable since October 2015.
MW-31	UH	1,2-DCA				NA	X	Overall decreasing trend since November 2008
		TCE				NA	X	Decreasing trend from April 2006 to October 2010; generally stable since October 2010
Lot 3								
MW-2	UH	VC	X				NA	Increasing since April 2015
MW-3	UH	VC	X				NA	Fluctuates; general decreasing since October 2016
MW-5	UH	VC	X				NA	Generally stable since 2004; slight increase since October 2017
MW-6	UH	VC	X				NA	Generally stable since 2004; fluctuates but increasing since October 2013
MW-18	UH	PCE	X		X		NA	Fluctuates but generally increasing since July 2003

Well ID	Ground-water Horizon	Analyte	Residential SSG	Commercial/ Industrial SSG	Groundskeeper/ Maintenance Worker SSG	5x, 40x, or 160x Aquatic Criteria	Drinking Water Standard	Trend
MW-22	UH	TCE	X	X			NA	Fluctuates but generally decreasing since August 2009
<i>MW-19 ERD Pilot Study Area (Implemented January – February 2011)</i>								
MW-19	UH	PCE	X		X		NA	Overall decreasing since July 2003; fluctuates but slight increasing trend since October 2015
		VC	X	X	X		NA	Increase from October 2011 to April 2013, generally decreasing since October 2013
MW-20	UH	PCE			X		NA	Fluctuates; generally decreasing since October 2004
MW-32A	UH	PCE	X	X	X		NA	Fluctuates, increasing since April 2013
		TCE	X				NA	Fluctuates, increasing since April 2016
IMW-42	UH	PCE	X	X	X		NA	Fluctuates; General decrease since April 2014
		VC	X				NA	Fluctuates; General decrease since April 2014
<i>MW-21 ERD Pilot Study Area (implemented November – December 2010)</i>								
MW-21	UH	PCE	X	X	X		NA	Overall decreasing since 2003
IMW-45	UH	VC	X	X			NA	Increase from October 2012 to October 2014; decreasing since October 2014; Slight increase since October 2017
IMW-48	UH	PCE	X		X		NA	Decreasing from October 2011 to April 2013, followed by an increasing trend since 2013
<i>Lot 3 Subarea ERD Pilot Study Area (implemented January 2011)</i>								
IMW-50	UH	VC	X	X			NA	Decreasing since December 2011
IMW-57	UH	Benzene	X	X			NA	Generally decreasing since June 2011

Well ID	Ground-water Horizon	Analyte	Residential SSG	Commercial/ Industrial SSG	Groundskeeper/ Maintenance Worker SSG	5x, 40x, or 160x Aquatic Criteria	Drinking Water Standard	Trend
		VC	X	X			NA	Generally increasing October 2013 to April 2015; Stable since April 2015
<i>Lot 3 Groundwater Investigation (Implemented April-May 2014)</i>								
IMW-58	UH	CT	X	X	X*		NA	Fluctuates**
IMW-62	UH	PCE	X		X		NA	Increasing since April 2014; decrease in April 2018 relative to October 2017
		TCE	X				NA	Fluctuates seasonally, but overall increasing
		VC	X	X			NA	Fluctuates seasonally, but overall decrease since October 2013
DTSC Wells								
DTSC-MW-1	UH	TCE					X	Slight fluctuations; overall decreasing since 2010
		1,2-DCA					X	Slight fluctuations; overall decreasing since 2010
DTSC-MW-2	UH	TCE					X	Fluctuates; slight increasing trend since 2014
		1,2-DCA					X	Fluctuates; Stable since 2009
DTSC-MW-4	UH	TCE					X	Fluctuates but generally decreasing since August 2010
		1,2-DCA					X	Generally decreasing trend since February 2009
UC BGC BAPB Wells								
MW-41	UH	PCE			X		NA	Fluctuates seasonally
MW-42	UH	PCE			X	X	NA	Stable since installation in 2013
MW-43	UH	PCE			X		NA	Fluctuates, but generally stable since October 2014

Table Notes:

X = exceedance during April 2018 sampling events

UH = upper horizon

LH = lower horizon

BAPB = biologically active permeable barrier

NA = screening criteria not applicable to the well

* = the analytical result exceeded the indicated screening criteria for either the primary or duplicate sample, but not both.

3.2 Metals

The following table presents a summary of the wells that exceeded the screening criteria for metals (data summarized in Table 4), and a brief summary of the observed concentration trends in each well since groundwater monitoring began in the well. The trend analysis is based on a review of a best fit trend line for the data presented in the concentration-versus-time graphs provided in Appendix C. Concentration-versus time graphs for the UC BGC wells are provided in Appendix F. An 'X' in the table indicates an exceedance of the respective criterion.

Well ID	Groundwater Horizon	Analyte	Residential SSG	Commercial/ Industrial SSG	Groundskeeper/ Maintenance Worker SSG	5x, 40x, or 160x Aquatic Criteria	Drinking Water Standard	Trend
Lot 1								
<i>Lot 1-2 Pilot Study Area</i>								
IMW-1	UH	Arsenic				NA	X	Decreasing since January 2007
IMW-2	UH	Arsenic				NA	X	Fluctuates, but overall decreasing since February 2009
IMW-3	UH	Arsenic				NA	X	Fluctuates, but overall decreasing since August 2008; increase in April 2018 relative to October 2017
IMW-4	UH	Arsenic				NA	X	Generally stable; Decreasing since May 2008
<i>Lot 1-5 & MW-25 Pilot Study Area</i>								

Well ID	Groundwater Horizon	Analyte	Residential SSG	Commercial/ Industrial SSG	Groundskeeper/ Maintenance Worker SSG	5x, 40x, or 160x Aquatic Criteria	Drinking Water Standard	Trend
IMW-29	LH	Arsenic				NA	X	Fluctuates; decreasing trend since April 2015
MW-30	UH	Arsenic				NA	X	Decreasing since November 2006
PZ-11	UH	Cadmium				NA	X	April 2017 only detection since 2011**
		Nickel				NA	X	Fluctuates; generally decreasing since May 2011. Slight increase in April 2018 relative to October 2017.
PZ-12	UH	Arsenic				NA	X	Fluctuates; generally decreasing since April 2016
Lot 2								
<i>Lot 2-27 Pilot Study Area</i>								
IMW-5	UH	Arsenic				NA	X	Fluctuates, but overall decreasing since April 2011
IMW-6	UH	Arsenic				NA	X	Fluctuates; increasing since October 2012; decreasing since April 2017
IMW-8	UH	Arsenic				NA	X	Fluctuates, but increasing since May 2007
Lot 3								
<i>Upgradient of BAPB</i>								
MW-18	UH	Copper				X	NA	Fluctuates, but overall increasing since July 2003
		Nickel				X	NA	Fluctuates, increasing trend from April 2011 to

Well ID	Groundwater Horizon	Analyte	Residential SSG	Commercial/ Industrial SSG	Groundskeeper/ Maintenance Worker SSG	5x, 40x, or 160x Aquatic Criteria	Drinking Water Standard	Trend
								April 2014; generally stable trend since April 2014; decrease in April 2017 relative to October 2016; increasing since April 2017
		Zinc				X	NA	Fluctuates, but slightly decreasing since April 2014; Increasing since October 2016
MW-20	UH	Arsenic			X		NA	Generally stable from 2005 to 2015. Increasing since April 2016; April 2018 decreased relative to October 2017.
PZ-10	UH	Copper				X	NA	Fluctuates; April 2016, 2017, and 2018 were only detections since installation of well in 2011
<i>Immediately Upgradient of BAPB</i>								
MW-2	UH	Arsenic			X	X	NA	Fluctuates; General decrease since April 2014
MW-6	UH	Arsenic			X	X	NA	Fluctuates; General decrease since October 2015
		Selenium				X	NA	Increase in April 2018 relative to October 2017**
MW-7	UH	Silver				X	NA	Increasing since October 2016
MW-15	UH	Copper				X	NA	Fluctuates; General decrease from April 2014

Well ID	Groundwater Horizon	Analyte	Residential SSG	Commercial/ Industrial SSG	Groundskeeper/ Maintenance Worker SSG	5x, 40x, or 160x Aquatic Criteria	Drinking Water Standard	Trend
MW-29	UH	Selenium				X	NA	Increase in April 2018 relative to October 2017**
<i>Within BAPB</i>								
MW-9	UH	Arsenic			X	X	NA	Increase from January 2003 to November 2006, but stable from August 2006 to October 2015; decreasing trend since April 2015
MW-3	UH	Selenium				X	NA	Increase in April 2018 relative to October 2017**
		Silver				X	NA	Samples collected from MW-3 have been analyzed for silver since 2010. First detection in April 2016; Stable since April 2017
<i>Downgradient of BAPB</i>								
MW-10B	LH	Copper				X	NA	Fluctuates
		Zinc				X	NA	Fluctuates; increasing since 2013
MW-11A	UH	Copper				X	NA	Fluctuates; Overall decreasing trend since October 2006
MW-4	UH	Arsenic			X		NA	Fluctuates; Generally decreasing since October 2014
MW-5	UH	Arsenic			X	X	NA	Increasing since November 2007

Well ID	Groundwater Horizon	Analyte	Residential SSG	Commercial/ Industrial SSG	Groundskeeper/ Maintenance Worker SSG	5x, 40x, or 160x Aquatic Criteria	Drinking Water Standard	Trend
MW-28	UH	Silver				X	NA	Generally increasing since October 2017
<i>MW-19 Pilot Study Area</i>								
MW-32A	UH	Nickel				X	NA	Generally increasing since August 2008
		Zinc				X	NA	Generally increasing since August 2008
MW-32B	LH	Copper				X	NA	Increasing since August 2008; decreasing since October 2016
		Zinc				X	NA	Overall decreasing since 2008
IMW-42	UH	Nickel				X	NA	Decreasing since 2011
		Zinc				X	NA	Increase in April 2018 relative to October 2017
<i>MW-21 Pilot Study Area</i>								
MW-21	UH	Selenium				X	NA	Increase in April 2018 relative to October 2017**
		Zinc				X	NA	Fluctuates; increase in April 2018 relative to October 2017
UC BGC BAPB Wells								
MW-34	UH	Nickel				X	NA	Stable since installation in 2013
		Silver				X	NA	Increase in October 2017; Decrease in April 2018 relative to October 2017
MW-36	UH	Nickel				X	NA	Generally decreasing since installation in 2013
MW-40	UH	Selenium				X	NA	Increase in April 2018 relative to October 2017

Well ID	Groundwater Horizon	Analyte	Residential SSG	Commercial/ Industrial SSG	Groundskeeper/ Maintenance Worker SSG	5x, 40x, or 160x Aquatic Criteria	Drinking Water Standard	Trend
		Silver				X	NA	Increase in October 2017; Decrease in April 2018 relative to October 2017
MW-41	UH	Silver				X	NA	Increase in October 2017; Decrease in April 2018 relative to October 2017
MW-42	UH	Nickel				X	NA	Fluctuates; increasing trend from October 2013 to October 2015; decreasing since October 2015
		Silver				X	NA	Increase in October 2017; Decrease in April 2018 relative to October 2017
MW-43	UH	Silver				X	NA	Increase in October 2017; Slight decrease in April 2018 relative to October 2017
MW-44	UH	Silver				X	NA	Increase in October 2017; Decrease in April 2018 relative to October 2017
MW-45	UH	Zinc				X	NA	Stable since April 2014; slight decreasing trend since 2015
MW-46	UH	Silver				X	NA	Increase in October 2017; Decrease in April 2018 relative to October 2017

Table Notes:

X = exceedance during April 2018 sampling events

NA = screening criteria not applicable to the well

* = the analytical result exceeded the indicated screening criteria for either the primary or duplicate sample, but not both.

** = the analyte is rarely detected at concentrations exceeding screening criteria and therefore time-concentration charts are not included in Appendix C

3.3 Pesticides

Concentrations of pesticides did not exceed the screening criteria in samples collected from the monitoring wells during the Reporting Period (Table 5).

4.0 SURFACE WATER MONITORING SUMMARY

Project Phase	Surface Water Monitoring
Sampling Locations	Depending on weather conditions (i.e. magnitude and duration of rainfall), surface water monitoring may be conducted at the three storm-drain outfall locations shown on Figure 2 (Outfalls 001, 002, and 003). Outfall 001 is located at the lower freshwater lagoon (FWL) and Outfall 002 is located at the upper FWL. Outfalls 001 and 002 discharge to ESM. Outfall 003 discharges to San Francisco Bay in the tidal mud flats immediately south of ESM.
Frequency of Sampling	Monthly, as-needed based on weather conditions (i.e. magnitude and duration of rainfall). Surface water samples were collected from two outfalls in January 2018 and April 2018.
Analytical Results	Analytical results for surface water samples collected during the Reporting Period are presented in Tables 3, 4, 5, and 6. No VOCs were detected in surface water samples above the applicable screening criteria during the Reporting Period (Table 3). During the Reporting Period, surface water samples contained copper, nickel, selenium, silver, and zinc at concentrations exceeding the storm water screening criteria (Table 4). No pesticides were detected above the applicable screening criteria during the Reporting Period (Table 5). The pH of the surface water samples ranged from 5.4 to 7.2 standard units (SU) during the Reporting Period (Table 6). The pH samples from 002-040718 and 003-040718 (Outfalls 002 and 003 obtained on April 7, 2018) were analyzed outside of the United States Environmental Protection Agency (EPA) recommended hold-time.

5.0 INDICATOR PARAMETERS AND DISSOLVED METALS ANALYTICAL RESULTS FOR BAPB CLUSTER WELLS

The primary objective for the biologically active permeable barrier (BAPB) located at the Site (Figure 2) is to reduce the concentrations of divalent metals (cadmium, copper, nickel, lead, and zinc) in groundwater. Table 4 presents dissolved metals data, and Table 6 presents data for general minerals and pH for groundwater samples collected from monitoring wells at the Site. The combination of three wells positioned upgradient, within, and downgradient of the BAPB constitutes what is referred to in this SMR as a well cluster¹. Table 8 summarizes the data specifically for the BAPB monitoring well clusters.

Project Phase	BAPB Cluster Wells
Sampling Locations	Well Cluster MW-8/-9/-28 Well Cluster MW-2/-3/-4 Well Cluster MW-13/-14/-15
Analytical Results	Table 8 presents the dissolved metals concentrations in the BAPB cluster wells. The applicable screening criteria are also provided in Table 8. A discussion of the metal concentrations detected in the BAPB cluster wells is provided below.
Geochemical /Biochemical Parameters	Table 8 presents geochemical/biochemical indicator parameters in the BAPB cluster wells. When comparing the indicator parameter data in the upgradient wells to those within the BAPB and downgradient from the BAPB, the data generally indicate that the BAPB continues to function as intended. Indicator parameters will continue to be monitored and evaluated during future monitoring events. As reported in previous years, indicator parameters collected in 2018 will be discussed in greater detail within the 2018 AMR to be submitted to the DTSC by January 31, 2019.

¹ Terraphase recognizes that groundwater in the vicinity of the BAPB may not flow directly from an upgradient well, to the BAPB well, and then to the well downgradient from the BAPB. However, concentrations measured in a sample collected from a given well are assumed to be representative of the general conditions in the vicinity of that well. Therefore, conditions within the cluster wells are used to assess the general efficacy of the BAPB.

BAPB Function	<p>When comparing the metals concentrations in the upgradient wells to those within the BAPB and downgradient from the BAPB, the data indicate that the BAPB continues to function as intended. Although concentrations of divalent metals are detected in wells downgradient of the BAPB, an assessment of the concentration trends of the cluster wells indicate that the detected metal concentrations in the downgradient wells are likely due to residual divalent metals concentrations in groundwater downgradient of the BAPB present prior to the installation of the BAPB. As reported in previous years, indicator parameters and divalent metal concentrations in samples collected in 2018 will be discussed in the 2018 AMR to be submitted to the DTSC by January 31, 2019.</p>
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6.0 QUALITY ASSURANCE/QUALITY CONTROL RESULTS

Terraphase performed a quality assurance/quality control (QA/QC) evaluation of the data generated during the Reporting Period in general accordance with the Quality Assurance Project Plan (QAPP), dated July 18, 2005 (LFR 2005). The results of the QA/QC evaluation are presented in Appendix E and are summarized below. The analytical data obtained during this Reporting Period are considered to be usable for the intended monitoring purposes.

6.1 Sample Handling

The sample identification (ID) numbers listed on the chain-of-custody records were consistent with the sample IDs reported in the laboratory electronic data deliverables (EDDs) and hardcopy data packages. The chain-of-custody reports were complete and accurate, except as noted below:

- In laboratory report 298639, the chain-of-custody form indicated analysis for total suspended solids (TSS) for samples MW-3, MW-28, MW-4, MW-4B, and Equipment Blank (EB)-040418. However, clarification was sent via email that analysis of these samples for TSS was not required and the samples were not analyzed for TSS. This does not affect data quality or usability.

Samples were received within the acceptable temperature range upon arrival at the laboratory. Samples were received properly preserved and in good condition and were analyzed within the proper holding times for the analyses requested, except as noted below:

- As indicated in laboratory report 298640, the laboratory added HNO₃ to sample MW-40 (lab sample number 298640-001) to lower the pH below 2. Due to the short time between sample collection and pH adjustment, laboratory representatives determined that it is unlikely any of the sample results were negatively impacted therefore, qualifiers were not applied by Terraphase nor the laboratory on the metals data as a result of pH adjustments. This does not affect data quality or usability.
- As indicated in laboratory report 298741, the surface water samples 002-040718 (lab sample number 298741-001) and 003-040718 (lab sample number 298741-002) were analyzed outside of the hold time for pH analysis. The pH data for these samples were qualified with a "b" indicating the samples were analyzed outside of the recommended hold time.

No other issues were encountered.

6.2 Accuracy

One trip blank was submitted to the analytical laboratory and analyzed for VOCs for each day that sampling was conducted. There were no detections in the trip blank samples and bubbles were not noted in the VOC sample containers on the laboratory cooler receipt checklists.

In general, analytes were not detected in method blank samples except as noted below:

- Bromomethane was detected above the reporting limit (RL) in the method blank for batches 258247 and 258244 associated with laboratory reports 298639 and 298683, respectively. This analyte was not detected in the project samples associated with these batches at or above the RL; therefore, the data were not qualified.

One equipment blank sample was collected and submitted to the analytical laboratory for analysis on each day that groundwater sampling was conducted during the Reporting Period. In addition, a source blank sample was collected on April 6, 2018 (sample ID SB-040618) of the source water used for each of the equipment blank samples. In general, there were no detections in the equipment blank or source blank samples, except as noted below:

- Alkalinity bicarbonate and alkalinity total as CaCO_3 were detected in the source blank sample. SB-040618 is associated with all equipment blanks collected during the Reporting Period.
- Alkalinity bicarbonate and alkalinity total as CaCO_3 were detected above the laboratory reporting limit in the equipment blank sample collected on April 3, 2018 (sample ID as EB-040318; laboratory report 298605). Since alkalinity bicarbonate and alkalinity total as CaCO_3 were detected in the source blank sample, the analytical data results associated with this equipment blank sample were not qualified.

Total dissolved solids TDS were detected above the laboratory reporting limit in EB-040318 (laboratory report 298605). TDS sample results were not qualified because the detections in groundwater samples were greater than five times the TDS detection in the equipment blank sample.

- Alkalinity bicarbonate and alkalinity total as CaCO_3 were detected above the laboratory reporting limit in the equipment blank sample collected on April 4, 2018 (sample ID as EB-040418; laboratory report 298639). Since alkalinity bicarbonate and alkalinity total as CaCO_3 were detected in the source blank sample, the analytical data results associated with this equipment blank sample were not qualified.

Total dissolved solids TDS were detected above the laboratory reporting limit in EB-040418 (laboratory report 298639). TDS sample results were not qualified because the detections in groundwater samples were greater than five times the TDS detection in the equipment blank sample.

- Alkalinity bicarbonate and alkalinity total as CaCO_3 were detected above the laboratory reporting limit in the equipment blank sample collected on April 5, 2018 (sample ID as EB-040518; laboratory report 298683). Since alkalinity bicarbonate and alkalinity total as

CaCO₃ were detected in the source blank sample, the analytical data results associated with this equipment blank sample were not qualified.

- Alkalinity bicarbonate and alkalinity total as CaCO₃ were detected above the laboratory reporting limit in the equipment blank sample collected on April 6, 2018 (sample ID as EB-040618; laboratory report 298729). Since alkalinity bicarbonate and alkalinity total as CaCO₃ were detected in the source blank sample, the analytical data results associated with this equipment blank sample were not qualified.

For VOCs, the surrogate recoveries were within specified ranges. The recoveries for laboratory control sample (LCS), blank spike (BS), blank spike duplicate (BSD), matrix spike (MS), and matrix spike duplicate (MSD) samples were within acceptable ranges. Project VOC data were not qualified during the Reporting Period.

For pesticides, the surrogate recoveries were within specified ranges. The recoveries for BS and BSD samples were within acceptable ranges. The laboratory applied the following flag to the indicated pesticide results for project samples:

“#” Continuing Calibration Verification (CCV) drift outside limits; average CCV drift within limits per method requirements

Batch	Associated Lab Report(s)	Analyte	Affected Samples
258280	298729	Heptachlor; endrin, 4,4'-DDT	SB-040618
258543	298919	Endrin	PZ-15, PZ-16, DTSC-MW-2, EB-041218

For metals analytical results, the recoveries for BS/BSD and MS/MSD samples were within acceptable ranges. For general mineral analytical results, the recoveries for LCS, BS/BSD and MS/MSD samples were within acceptable ranges.

6.3 Precision

The relative percent difference (RPD) of field duplicate samples was calculated to evaluate the precision of the data. An RPD can be evaluated only if the results of the analyses for both duplicates are above the RL. Where RPDs could be evaluated, the RPDs were generally within the QAPP compliance criterion of 30% for groundwater samples, except as noted below:

- Sample MW-19-D was collected as a field duplicate of sample MW-19 (reported in laboratory report 298818). Selenium was detected in the primary and duplicate samples at concentrations of 14 µg/L and 32 µg/L respectively; the calculated RPD was 78%. The RL for selenium is 10 µg/L. All other RPDs were within the QAPP compliance criterion of

30% for groundwater samples. Although the RPD for selenium exceeded the QAPP compliance criterion of 30%, the data were not qualified since the detected concentrations were less than 10 times the laboratory RL.

- Sample MW-42-D was collected as a field duplicate of sample MW-42 (reported in laboratory report 298605). Alkalinity bicarbonate was detected in the primary and duplicate samples at concentrations of 400 mg/L and 230 mg/L, respectively. The calculated RPD was 54%. Alkalinity total as CaCO₃ was detected in the primary and duplicate samples at concentrations of 400 mg/L and 230 mg/L respectively; the calculated RPD was 54%. In accordance with the QAPP, the alkalinity bicarbonate and alkalinity total as CaCO₃ results have all been flagged with a "J." The "J" qualifier is defined as: "The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample."
- Sample MW-4-D was collected as a field duplicate of sample MW-4 (reported in laboratory report 298639). Cis-1,2-DCE was detected in the primary and duplicate samples at concentrations of 9.1 µg/L and 6.5 µg/L respectively; the calculated RPD was 33%. The RL for cis-1,2-DCE is 0.5 µg/L. All other RPDs were within the QAPP compliance criterion of 30% for groundwater samples. Although the RPD for cis-1,2-DCE exceeded the QAPP compliance criterion of 30%, the data were not qualified since the detected concentrations were less than 10 times the laboratory RL.

The data associated with the duplicate analyses has been qualified as noted above, but the data is still considered valid and available for use in this report. When evaluating trends and preparing groundwater contours, the higher of the two results were used.

Laboratory analytical precision is evaluated by laboratory QC sample RPD calculations using the MS/MSD, BS/BSD, or laboratory duplicate sample results. The results of RPD calculations for MS/MSD, BS/BSD, and laboratory duplicate sample pairs were within the laboratory's acceptable range, except as noted below:

- In batch 255591, high RPD was observed for total suspended solids in the SDUP. The parent sample was not a project sample, and this analyte was not detected at or above the reporting limit in the associated project sample. Project data were not qualified. Batch 255591 is associated with laboratory report 296090.
- In batch 258147, high RPD was observed for molybdenum and antimony in the BS/BSD. Low recovery was observed for molybdenum in the BS for batch 258147. Batch 258147 is associated with laboratory report 298639.

6.4 Data Quality Summary

Based on the QA review, no samples were rejected as unusable due to QC failures. The analytical data obtained during this Reporting Period are considered to be usable for the

intended monitoring purposes and results affected by QC anomalies are qualified with the appropriate data flags.

7.0 WORK PLANNED FOR THE SECOND HALF OF 2018

The following field activities are currently anticipated to occur during the second half of 2018:

- Upkeep and maintenance of the temporary cap will continue.
- Conduct semi-annual groundwater monitoring activities in October 2018.
- Monitor the three storm-drain outfall locations during rain events and collect storm water samples as needed.

Additional activities at the Site are summarized in monthly reports submitted to the DTSC by the Respondents on approximately the 15th of each month.

8.0 REFERENCES

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- Department of Toxic Substances Control (DTSC). 2006. Site Investigation and Remediation Order, Docket No. IS/E-RAO 06/07-005, California Environmental Protection Agency, Department of Toxic Substance Control. September 15.
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- Erler & Kalinowski, Inc. (EKI). 2008. Revised Human Health Risk Assessment and Calculation of Site Specific Goals for Lots 1, 2, and 3. April 30.
- LFR Levine-Fricke (LFR). 2002. Comprehensive Monitoring Plan, Subunit 1 of Meade Street Operable Unit, former Zeneca Inc., Richmond Facility, Richmond, California. November 7.
- _____. 2005. Revised Quality Assurance Project Plan Approval, Former Zeneca Property, Campus Bay Site. July 19.
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- _____. 2018a. Annual Groundwater and Surface Water Monitoring Report, January 1 Through December 31, 2017, Campus Bay, Richmond, California. January 31; Revised May 21.
- _____. 2018b. Feasibility Study and Remedial Action Plan for Lot 1, Lot 2, and the Uplands Portion of Lot 3, Campus Bay, Richmond, California. July 9.
- Woodward Clyde Consultants (Woodward). 1993. Supplemental Site Subsurface Investigation at Zeneca's Agricultural Chemical Facility, Richmond, California. June 30.

TABLES

Table 1
Groundwater Monitoring Well Construction Details
 Campus Bay, Richmond, California

Well Name	Well Installation Date	Total Depth (feet bgs)	Casing Diameter (inches)	Screen Interval (feet bgs)	Borehole Diameter (inches)	Mount	TOC Elevation (feet) (a)	Approximate Ground Surface Elevation (feet) (b)	Comments
Upper Horizon Monitoring Wells									
MW-1	2/12/2003	14.0	2.0 PVC	5.0-14.0	8.0	Riser Pipe	10.57	8.4	
MW-2	2/12/2003	18.0	2.0 PVC	8.0-18.0	8.0	Flush	13.39	14.0	
MW-3 (c)	2/19/2003	18.0	2.0 PVC	8.0-18.0	3.5	Riser Pipe	15.42	13.4	
MW-4	2/19/2003	15.0	2.0 PVC	5.0-15.0	8.0	Riser Pipe	13.25	11.4	
MW-5	3/3/2003	14.0	2.0 PVC	5.0-14.0	8.0	Riser Pipe	10.57	8.9	
MW-6	2/12/2003	18.0	2.0 PVC	8.0-18.0	8.0	Flush	13.97	14.6	Cinder 12 - 14.5 feet bgs
MW-7	2/18/2003	18.0	2.0 PVC	8.0-18.0	8.0	Riser Pipe	16.16	13.2	
MW-8	2/18/2003	18.0	2.0 PVC	8.0-18.0	8.0	Flush	14.82	15.3	
MW-9 (c)	2/19/2003	18.0	2.0 PVC	8.0-18.0	3.5	Flush	14.32	14.2	
MW-10A	2/3/2003	14.0	2.0 PVC	5.0-14.0	8.0	Riser Pipe	9.92	8.3	
MW-11A	2/18/2003	15.0	2.0 PVC	5.0-15.0	8.0	Riser Pipe	13.72	11.5	Cinder 10.5 - 11 feet bgs
MW-12	2/18/2003	15.0	2.0 PVC	5.0-15.0	8.0	Riser Pipe	12.71	10.0	Cinder 10 - 10.5 feet bgs
MW-13	2/13/2003	18.0	2.0 PVC	8.0-18.0	8.0	Flush	13.18	13.4	
MW-14 (c)	2/19/2003	18.0	2.0 PVC	8.0-18.0	3.5	Flush	12.92	13.2	
MW-15	2/18/2003	15.0	2.0 PVC	5.0-15.0	8.0	Riser Pipe	16.83	12.7	
MW-16A	2/19/2003	20.0	2.0 PVC	10.0-20.0	8.0	Flush	12.80	13.1	Well abandoned in December 2017 in preparation for Habitat Area 2 remediation
MW-17	2/19/2003	20.0	2.0 PVC	10.0-20.0	8.0	Flush	12.50	13.0	Cinder 5.0 - 5.4 feet bgs; Well abandoned in December 2017 in preparation for Habitat Area 2 remediation
MW-18	6/23/2003	18.5	2.0 PVC	8.5-18.5	8.0	Flush	15.00	15.3	
MW-19	6/23/2003	20.0	2.0 PVC	10.0-20.0	8.0	Flush	17.52	18.0	
MW-20	6/23/2003	22.0	2.0 PVC	12.0-22.0	8.0	Flush	17.79	18.1	
MW-21	6/24/2003	22.0	2.0 PVC	7.0-22.0	8.0	Flush	14.36	14.7	
MW-22	6/24/2003	19.0	2.0 PVC	9.0-19.0	8.0	Flush	17.18	17.4	
MW-23	6/24/2003	19.0	2.0 PVC	9.0-19.0	8.0	Flush	19.25	19.6	
MW-24 (d)	6/23/2003	15.0	2.0 PVC	5.0-15.0	8.0	Riser Pipe	17.07	14.3	
MW-25R	10/6/2009	23.0	2.0 PVC	10.0-23.0	8.0	Flush	22.73	NM	
MW-26	12/8/2005	20.0	2.0 PVC	10.0-20.0	8.0	Flush	24.91	25.3	
MW-27	12/8/2005	20.0	2.0 PVC	10.0-20.0	8.0	Flush	23.20	23.7	
MW-28	3/27/2006	18.0	2.0 PVC	8.0-18.0	8.0	Riser Pipe	16.72	14.0	Cinder 12.5 - 13.8 feet bgs
MW-29	3/27/2006	17.0	2.0 PVC	7.0-17.0	8.0	Flush	13.46	13.8	Cinder 12.3 - 13.4 feet bgs
MW-30	3/23/2006	21.0	2.0 PVC	11.0-21.0	8.0	Flush	13.71	14.3	
MW-31	3/23/2006	17.0	2.0 PVC	7.0-17.0	8.0	Flush	14.50	14.8	

Table 1
Groundwater Monitoring Well Construction Details
 Campus Bay, Richmond, California

Well Name	Well Installation Date	Total Depth (feet bgs)	Casing Diameter (inches)	Screen Interval (feet bgs)	Borehole Diameter (inches)	Mount	TOC Elevation (feet) (a)	Approximate Ground Surface Elevation (feet) (b)	Comments
MW-32A	6/25/2008	27.0	2.0 PVC	17.0-27.0	8.0	Flush	16.98	17.9	
MW-33	9/28/2009	18.0	2.0 PVC	8.0-18.0	8.0	Flush	15.13	15.8	
MW-34	12/17/2010	19.0	2.0 PVC	9.0-19.0	8.0	Riser Pipe	7.18	4.74	
MW-36	12/16/2010	17.0	2.0 PVC	7.0-17.0	8.0	Riser Pipe	6.78	4.07	
MW-40	5/10/2012	14.0	2.0 PVC	9.0-14.0	2.0	Riser Pipe	7.33	4.34	
MW-41	5/10/2012	13.0	2.0 PVC	8.0-13.0	2.0	Riser Pipe	7.51	6.14	
MW-42	10/17/2013	19.0	2.0 PVC	13-19	8.0	Riser Pipe	10.99	8.1	
MW-43	10/17/2013	17.0	2.0 PVC	12-17	8.0	Riser Pipe	8.32	5.5	
MW-44	10/18/2013	15.0	2.0 PVC	10-15	8.0	Riser Pipe	9.11	5.9	
MW-45	10/17/2013	15.0	2.0 PVC	5-15	8.0	Riser Pipe	7.45	4.5	
MW-46	10/18/2013	12.0	2.0 PVC	7-12	8.0	Riser Pipe	5.66	3.1	
Lower Horizon Monitoring Wells									
MW-10B	3/3/2003	33.0	10.0 STEEL, 2.0 PVC	23.0-33.0	8.0-12.0	Riser Pipe	9.88	7.9	Conductor casing 19.0 feet bgs
MW-11B	3/3/2003	35.0	10.0 STEEL, 2.0 PVC	25.0-35.0	8.0-12.0	Riser Pipe	13.94	11.2	Conductor casing 20.0 feet bgs
MW-16B	5/3/2006	37.0	10.0 STEEL, 2.0 PVC	27.0-37.0	8.0-12.0	Flush	11.72	12.2	Conductor casing 20.9 feet bgs, Cinder 7.0 - 8.0 feet bgs; Well abandoned in December 2017 in preparation for Habitat Area 2 remediation
MW-32B	6/23/2008	42.0	10.0 STEEL, 2.0 PVC	32.0-42.0	8.0-12.0	Flush	17.28	18.0	Conductor casing 28.0 feet bgs
Piezometers									
PZ-1S (c)	3/30/2006	12.0	1.0 PVC	11.0-12.0	6.0	Flush	15.02	15.1	
PZ-1D (c)	3/30/2006	19.0	1.0 PVC	18.0-19.0	6.0	Flush	15.07	15.2	Trace cinder, 9.5 feet bgs
PZ-2S (c)	3/30/2006	12.0	1.0 PVC	11.0-12.0	6.0	Flush	14.64	14.8	
PZ-2D (c)	3/30/2006	19.0	1.0 PVC	18.0-19.0	6.0	Flush	14.67	14.7	
PZ-3S (c)	3/30/2006	12.0	1.0 PVC	11.0-12.0	6.0	Flush	13.11	13.3	
PZ-3D (c)	3/30/2006	19.0	1.0 PVC	18.0-19.0	6.0	Flush	13.26	13.2	Cinder 12.0 - 12.3 feet bgs
PZ-4S (c)	3/31/2006	12.0	1.0 PVC	11.0-12.0	6.0	Flush	14.79	14.9	
PZ-4D (c)	3/31/2006	19.0	1.0 PVC	18.0-19.0	6.0	Flush	14.80	14.8	Cinder 12.5 - 13.7 feet bgs
PZ-5S (c)	3/31/2006	12.0	1.0 PVC	11.0-12.0	6.0	Flush	14.44	14.4	
PZ-5D (c)	3/31/2006	19.0	1.0 PVC	18.0-19.0	6.0	Flush	14.46	14.5	
PZ-6S (c)	3/31/2006	12.0	1.0 PVC	11.0-12.0	6.0	Flush	14.12	14.2	
PZ-6D (c)	3/31/2006	19.0	1.0 PVC	18.0-19.0	6.0	Flush	14.23	14.3	Cinder 12.0 - 12.7 feet bgs
PZ-7	4/12/2007	20.1	2.0 PVC	8-20	8.0	Flush	16.50	17.0	
PZ-8	4/12/2007	21.1	2.0 PVC	8-21	8.0	Flush	14.37	14.8	
PZ-9	4/12/2007	20.0	2.0 PVC	9-20	8.0	Flush	23.72	24.1	
PZ-10	6/25/2008	17.0	2.0 PVC	7.0-17.0	8.0	Flush	13.19	14.0	

Table 1
Groundwater Monitoring Well Construction Details
 Campus Bay, Richmond, California

Well Name	Well Installation Date	Total Depth (feet bgs)	Casing Diameter (inches)	Screen Interval (feet bgs)	Borehole Diameter (inches)	Mount	TOC Elevation (feet) (a)	Approximate Ground Surface Elevation (feet) (b)	Comments
PZ-11	10/6/2009	19.0	2.0 PVC	9.0-19.0	8.0	Flush	21.66	NM	
PZ-12	10/7/2009	18.0	2.0 PVC	8.0-18.0	8.0	Flush	23.96	NM	
PZ-13	10/16/2009	17.0	2.0 PVC	7.0-17.0	8.0	Flush	11.39	11.6	Well abandoned in December 2017 in preparation for Habitat Area 2 remediation
PZ-14	10/16/2009	17.0	2.0 PVC	7.0-17.0	8.0	Flush	11.93	12.4	Well abandoned in December 2017 in preparation for Habitat Area 2 remediation
PZ-15	10/16/2009	16.5	2.0 PVC	6.5-16.5	8.0	Flush	7.49	7.9	
PZ-16	10/15/2009	20.0	2.0 PVC	10.0-20.0	8.0	Flush	6.71	7.0	
Temporary Monitoring Wells (Pilot Test Study)									
IMW-1	9/20/2006	20.1	1.0 PVC	10-20	6.0	Flush	14.81	15.1	
IMW-2	9/20/2006	19.9	1.0 PVC	10-20	6.0	Flush	15.05	15.3	
IMW-3	9/20/2006	19.1	1.0 PVC	10-20	6.0	Flush	15.34	15.8	
IMW-4	9/19/2006	19.7	1.0 PVC	10-20	6.0	Flush	15.83	15.9	
IMW-5	9/18/2006	22.2	1.0 PVC	12-22	6.0	Flush	13.77	13.9	
IMW-6 (d)	9/18/2006	21.1	1.0 PVC	12-22	6.0	Riser pipe	17.67	14.6	
IMW-7 (d)	9/18/2006	22.1	1.0 PVC	12-22	6.0	Riser Pipe	18.30	15.6	
IMW-8	9/18/2006	22.1	1.0 PVC	12-22	6.0	Flush	13.92	14.1	
IMW-9 (d)	9/19/2006	21.2	1.0 PVC	11-21	6.0	Riser Pipe	19.60	16.8	
IMW-10 (d)	9/19/2006	21.4	1.0 PVC	11-21	6.0	Riser Pipe	19.53	16.6	
IMW-11 (d)	9/19/2006	21.1	1.0 PVC	11-21	6.0	Riser Pipe	19.44	16.6	
IMW-12	9/19/2006	16.1	1.0 PVC	6-16	6.0	Flush	16.99	17.2	
IMW-13	9/19/2006	15.2	1.0 PVC	6-16	6.0	Flush	17.38	17.5	
IMW-14	9/19/2006	16.0	1.0 PVC	6-16	6.0	Flush	17.36	17.6	
IMW-15*	9/20/2006	31.6	1.0 PVC	16-31	6.0	Flush	20.01	20.2	
IMW-16*	9/19/2006	31.4	1.0 PVC	16-31	6.0	Flush	20.38	20.5	
IMW-17*	9/20/2006	31.5	1.0 PVC	16-31	6.0	Flush	20.29	20.3	
IMW-22 (d)	9/20/2006	22.0	1.0 PVC	12-22	6.0	Riser Pipe	18.14	15.3	
IMW-23	10/21/2009	19.0	1.0 PVC	9.0-19.0	6.0	Flush	22.00	NM	
IMW-24	10/7/2009	18.0	1.0 PVC	8.0-18.0	6.0	Flush	23.35	NM	Trace cinder 3' bgs
IMW-25	10/2/2009	18.0	1.0 PVC	8.0-18.0	6.0	Flush	25.18	NM	
IMW-26	10/6/2009	21.0	1.0 PVC	11.0-21.0	6.0	Flush	23.84	NM	
IMW-27	10/6/2009	23.0	1.0 PVC	13.0-23.0	6.0	Flush	25.93	NM	
IMW-28	10/5/2009	21.0	1.0 PVC	11.0-21.0	6.0	Flush	24.48	NM	
IMW-29*	10/5/2009	35.0	1.0 PVC	25.0-35.0	6.0	Flush	25.08	NM	
IMW-30	10/2/2009	18.0	1.0 PVC	8.0-18.0	6.0	Flush	20.38	NM	Mixed fill and cinder 0'-0.5' and 2.0'-3.0' bgs

Table 1
Groundwater Monitoring Well Construction Details
 Campus Bay, Richmond, California

Well Name	Well Installation Date	Total Depth (feet bgs)	Casing Diameter (inches)	Screen Interval (feet bgs)	Borehole Diameter (inches)	Mount	TOC Elevation (feet) (a)	Approximate Ground Surface Elevation (feet) (b)	Comments
Temporary Monitoring Wells (Pilot Test Study) Continued									
IMW-31	9/29/2009	17.0	1.0 PVC	7.0-17.0	6.0	Flush	20.11	NM	Mixed fill and cinder 1.0'-2.0' bgs
IMW-32*	10/1/2009	38.0	1.0 PVC	23.0-38.0	6.0	Flush	20.76	NM	Mixed fill and cinder 0'-1.0' and 2.0'-3.0' bgs
IMW-33*	9/29/2009	33.0	1.0 PVC	18.0-33.0	6.0	Flush	20.01	NM	Mixed fill and cinder 2.0'-3.0' bgs
IMW-34	12/30/2009	15.0	2.0 PVC	5.0-15.0	8.0	Riser Pipe	9.73	6.97	Mixed fill and trace cinder 1' to 4' bgs
IMW-34B*	9/3/2010	25.0	2.0 PVC	15.0-25.0	8.0	Riser Pipe	9.39	6.37	Mixed fill and cinder 5' to 6.5' bgs
IMW-35	12/30/2009	15.0	2.0 PVC	5.0-15.0	8.0	Riser Pipe	10.37	7.56	
IMW-35B*	9/2/2010	25.0	2.0 PVC	15.0-25.0	8.0	Riser Pipe	10.29	7.27	Mixed fill and cinder 7' to 9' bgs
IMW-36	12/28/2009	15.0	2.0 PVC	5.0-15.0	8.0	Riser Pipe	10.00	7.68	Mixed fill with cinder trace 6.5' to 8'
IMW-36B*	9/1/2010	29.0	2.0 PVC	19.0-29.0	8.0	Riser Pipe	12.46	9.56	Mixed fill and cinder 7.5' to 10'
IMW-37	12/28/2009	15.0	2.0 PVC	5.0-15.0	8.0	Riser Pipe	9.49	7.03	Cinder 4' to 5' bgs
IMW-37B*	9/3/2010	29.0	2.0 PVC	19.0-29.0	8.0	Riser Pipe	13.17	10.27	Mixed fill with cinder trace 9.5' to 11.5'
IMW-38A	12/29/2009	15.0	2.0 PVC	5.0-15.0	8.0	Riser Pipe	11.71	9.56	
IMW-38B*	12/31/2009	28.5	2.0 PVC	18.5-28.5	8.0	Riser Pipe	11.83	9.12	Mixed fill and cinder 8.5' to 10' bgs
IMW-39A	12/29/2009	15.0	2.0 PVC	5.0-15.0	8.0	Riser Pipe	12.37	10.39	
IMW-39B*	12/31/2009	27.0	2.0 PVC	17.0-27.0	8.0	Riser Pipe	13.10	9.90	Mixed fill and trace cinder 8' to 12' bgs
IMW-40A	12/29/2009	15.0	2.0 PVC	5.0-15.0	8.0	Riser Pipe	14.66	12.38	Mixed fill and cinder 11.5' to 13' bgs
IMW-40B*	12/30/2009	27.0	2.0 PVC	17.0-27.0	8.0	Riser Pipe	13.48	10.36	Mixed fill and cinder 9' to 11' bgs
IMW-41A	12/29/2009	15.0	2.0 PVC	5.0-15.0	8.0	Riser Pipe	15.14	12.93	Mixed fill and cinder 11' to 13' bgs
IMW-41B*	12/31/2009	28.5	2.0 PVC	18.5-28.5	8.0	Riser Pipe	11.83	9.27	Mixed fill and cinder 11.5' to 13' bgs
IMW-42	9/17/2010	21.0	2.0 PVC	11.0-21.0	8.0	Flush	18.36	18.63	
IMW-43	9/16/2010	21.0	2.0 PVC	11.0-21.0	8.0	Flush	17.99	18.37	
IMW-44	9/16/2010	21.0	2.0 PVC	11.0-21.0	8.0	Flush	17.87	17.86	
IMW-45	9/15/2010	20.0	2.0 PVC	10.0-20.0	8.0	Flush	15.93	16.38	
IMW-46	9/15/2010	20.0	2.0 PVC	10.0-20.0	8.0	Flush	15.52	15.70	
IMW-47	9/15/2010	19.0	2.0 PVC	9.0-19.0	8.0	Flush	16.24	16.48	
IMW-48	9/16/2010	20.0	2.0 PVC	10.0-20.0	8.0	Flush	17.59	17.91	
IMW-49	9/17/2010	17.0	2.0 PVC	7.0-17.0	8.0	Flush	11.78	9.26	
IMW-50	9/17/2010	17.0	2.0 PVC	7.0-17.0	8.0	Flush	13.91	11.24	
IMW-51	8/31/2010	17.0	2.0 PVC	7.0-17.0	8.0	Riser Pipe	15.17	12.47	Mixed fill and cinder 11.5' to 12' bgs
IMW-52	8/31/2010	17.0	2.0 PVC	7.0-17.0	8.0	Riser Pipe	15.12	12.76	Mixed fill and cinder 11'-12' and 14'-15' bgs
IMW-53	8/30/2010	17.0	2.0 PVC	7.0-17.0	8.0	Riser Pipe	15.57	12.72	Mixed fill and cinder 10' to 10.5' bgs
IMW-54	8/30/2010	17.0	2.0 PVC	7.0-17.0	8.0	Riser Pipe	14.94	12.40	Mixed fill and cinder 10.5' to 13' bgs
IMW-55	9/1/2010	16.0	2.0 PVC	6.0-16.0	8.0	Riser Pipe	13.77	11.01	Mixed fill and cinder 9' to 12.5' bgs
IMW-56	12/29/2009	13.5	2.0 PVC	3.5-13.5	8.0	Riser Pipe	12.70	9.87	Mixed fill and cinder 9' to 10.5' bgs

Table 1
Groundwater Monitoring Well Construction Details
 Campus Bay, Richmond, California

Well Name	Well Installation Date	Total Depth (feet bgs)	Casing Diameter (inches)	Screen Interval (feet bgs)	Borehole Diameter (inches)	Mount	TOC Elevation (feet) (a)	Approximate Ground Surface Elevation (feet) (b)	Comments
IMW-57	9/20/2010	17.0	2.0 PVC	7.0-17.0	8.0	Flush	11.88	8.92	
IMW-58	4/16/2013	19.0	2.0 PVC	9.0-19.0	8.0	Flush	14.89	15.30	
IMW-59	4/15/2013	18.0	2.0 PVC	8.0-18.0	8.0	Flush	18.83	19.26	
IMW-60	4/16/2013	18.0	2.0 PVC	8.0-18.0	8.0	Flush	17.74	18.11	
IMW-61	4/15/2013	18.0	2.0 PVC	8.0-18.0	8.0	Flush	17.97	18.36	
IMW-62	4/15/2013	18.0	2.0 PVC	8.0-18.0	8.0	Flush	16.76	17.14	
DTSC Harborfront Wells									
DTSC-MW-1	2/7/2007	19.1	2.0 PVC	9-19	8.0	Flush	10.89	NM	
DTSC-MW-2	2/7/2009	18.0	2.0 PVC	8.0-18.0	8.0	Flush	7.54	NM	
DTSC-MW-4	2/7/2007	14.5	2.0 PVC	9.5-14.5	8.0	Flush	12.80	NM	

Abbreviations:

- A = Represents the upper horizon monitoring well in a pair of upper and lower horizon wells
- B = Represents the lower horizon monitoring well in a pair of upper and lower horizon wells
- bgs = Below ground surface
- D = Represents the deeper of a pair of nested piezometers (still screened in the upper horizon)
- DTSC-MW = Department of Toxic Substances Control monitoring well
- IMW = Temporary monitoring well
- MW = Monitoring well
- NM = Not measured
- PVC = Polyvinyl chloride
- PZ = Piezometer
- S = Represents the shallower of a pair of nested piezometers
- TOC = Top of casing

Notes:

- (a) Top of casing elevations based on the National Geodetic Vertical Datum 29 Standard
- (b) Approximate ground surface elevation was determined through manual measurement of the distance between surveyed top of well casing and ground surface adjacent to the well. For wells IMW-34 through IMW-40B ground surface elevation based on survey data.
- (c) Indicates that wells were installed with a Geoprobe rig using direct-push technology. In these locations, pre-pack wells were installed.
- Cinder = The appearance of untreated cinder material during the installation of wells
- (d) The well casing was extended and flush mount well box replaced with a monument style box in April 2010. The top of casing elevation was surveyed in June 2010.
- * Denotes lower horizon temporary monitoring well

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Upper Horizon Groundwater Monitoring Wells</i>				
MW-1	3/19/2003	10.74	8.42	2.32
MW-1	7/30/2003	10.74	8.10	2.64
MW-1	7/30/2003	10.74	8.16	2.58
MW-1	8/25/2003	10.74	8.44	2.30
MW-1	10/22/2003	10.74	8.92	1.82
MW-1	1/27/2004	10.74	7.30	3.44
MW-1	4/13/2004	10.74	7.62	3.12
MW-1	7/19/2004	10.74	8.40	2.34
MW-1	10/11/2004	10.74	8.75	1.99
MW-1	2/6/2006	10.57	6.30	4.27
MW-1	5/8/2006	10.57	6.63	3.94
MW-1	8/14/2006	10.57	8.21	2.36
MW-1	11/6/2006	10.57	8.44	2.13
MW-1	2/6/2007	10.57	7.39	3.18
MW-1	2/26/2007	10.57	4.45	6.12
MW-1	4/27/2007	10.57	7.40	3.17
MW-1	5/7/2007	10.57	7.56	3.01
MW-1	8/6/2007	10.57	8.09	2.48
MW-1	11/5/2007	10.57	8.33	2.24
MW-1	2/4/2008	10.57	2.20	8.37
MW-1	5/5/2008	10.57	7.53	3.04
MW-1	8/4/2008	10.57	7.98	2.59
MW-1	11/4/2008	10.57	7.67	2.90
MW-1	2/2/2009	10.57	7.65	2.92
MW-1	5/4/2009	10.57	7.29	3.28
MW-1	8/3/2009	10.57	8.27	2.30
MW-1	11/2/2009	10.57	7.47	3.10
MW-1	2/1/2010	10.57	3.20	7.37
MW-1	5/3/2010	10.57	6.78	3.79
MW-1	8/2/2010	10.57	8.03	2.54
MW-1	11/1/2010	10.57	8.50	2.07
MW-1	4/11/2011	10.57	6.84	3.73
MW-1	10/3/2011	10.57	7.88	2.69
MW-1	4/2/2012	10.57	3.22	7.35
MW-1	10/1/2012	10.57	8.08	2.49
MW-1	4/1/2013	10.57	7.97	2.60
MW-1	10/7/2013	10.57	8.55	2.02
MW-1	3/28/2014	10.57	7.44	3.13
MW-1	10/1/2014	10.57	8.38	2.19
MW-1	4/1/2015	10.57	7.66	2.91
MW-1	10/5/2015	10.57	8.40	2.17
MW-1	4/4/2016	10.57	7.26	3.31
MW-1	10/3/2016	10.57	8.49	2.08
MW-1	4/3/2017	10.57	6.88	3.69
MW-1	10/2/2017	10.57	8.53	2.04
MW-1	4/2/2018	10.57	6.70	3.87
MW-10A	3/19/2003	9.82	7.15	2.67
MW-10A	7/30/2003	9.82	6.73	3.09
MW-10A	7/30/2003	9.82	9.42	0.40
MW-10A	8/25/2003	9.82	6.81	3.01
MW-10A	10/22/2003	9.82	7.25	2.57
MW-10A	1/27/2004	9.82	5.95	3.87

Table 2
Groundwater Elevation Data
Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Upper Horizon Groundwater Monitoring Wells</i>				
MW-10A	4/13/2004	9.82	6.65	3.17
MW-10A	7/19/2004	9.82	6.74	3.08
MW-10A	10/11/2004	9.82	7.18	2.64
MW-10A	2/7/2005	9.82	8.57	1.25
MW-10A	6/6/2005	9.82	6.33	3.49
MW-10A	11/7/2005	9.82	7.34	2.48
MW-10A	2/6/2006	9.92	4.87	5.05
MW-10A	5/8/2006	9.92	5.01	4.91
MW-10A	8/14/2006	9.92	6.93	2.99
MW-10A	11/6/2006	9.92	6.84	3.08
MW-10A	2/6/2007	9.92	6.03	3.89
MW-10A	2/26/2007	9.92	4.76	5.16
MW-10A	4/27/2007	9.92	6.02	3.90
MW-10A	5/7/2007	9.92	6.06	3.86
MW-10A	8/6/2007	9.92	7.13	2.79
MW-10A	11/5/2007	9.92	6.92	3.00
MW-10A	2/4/2008	9.92	4.79	5.13
MW-10A	5/5/2008	9.92	6.24	3.68
MW-10A	8/4/2008	9.92	6.93	2.99
MW-10A	11/4/2008	9.92	6.75	3.17
MW-10A	2/2/2009	9.92	6.15	3.77
MW-10A	5/4/2009	9.92	5.90	4.02
MW-10A	8/3/2009	9.92	7.18	2.74
MW-10A	11/2/2009	9.92	5.56	4.36
MW-10A	2/1/2010	9.92	4.65	5.27
MW-10A	5/3/2010	9.92	5.04	4.88
MW-10A	8/2/2010	9.92	7.07	2.85
MW-10A	11/1/2010	9.92	7.04	2.88
MW-10A	4/11/2011	9.92	4.81	5.11
MW-10A	10/3/2011	9.92	6.07	3.85
MW-10A	4/2/2012	9.92	4.65	5.27
MW-10A	10/1/2012	9.92	6.08	3.84
MW-10A	4/1/2013	9.92	6.38	3.54
MW-10A	10/7/2013	9.92	7.41	2.51
MW-10A	3/28/2014	9.92	5.81	4.11
MW-10A	10/1/2014	9.92	7.39	2.53
MW-10A	4/1/2015	9.92	7.15	2.77
MW-10A	10/5/2015	9.92	7.37	2.55
MW-10A	4/4/2016	9.92	5.60	4.32
MW-10A	10/3/2016	9.92	7.52	2.40
MW-10A	4/3/2017	9.92	5.60	4.32
MW-10A	10/2/2017	9.92	7.54	2.38
MW-10A	4/2/2018	9.92	5.01	4.91
MW-11A	3/20/2003	13.62	9.40	4.22
MW-11A	7/30/2003	13.62	10.10	3.52
MW-11A	7/30/2003	13.62	10.13	3.49
MW-11A	8/25/2003	13.62	10.45	3.17
MW-11A	10/22/2003	13.62	10.75	2.87
MW-11A	1/27/2004	13.62	9.21	4.41
MW-11A	4/13/2004	13.62	9.90	3.72
MW-11A	7/19/2004	13.62	8.90	4.72
MW-11A	10/11/2004	13.62	10.75	2.87

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Upper Horizon Groundwater Monitoring Wells</i>				
MW-11A	2/7/2005	13.62	11.35	2.27
MW-11A	6/6/2005	13.62	9.63	3.99
MW-11A	11/7/2005	13.62	11.00	2.62
MW-11A	2/6/2006	13.72	7.50	6.22
MW-11A	5/8/2006	13.72	7.84	5.88
MW-11A	8/14/2006	13.72	10.45	3.27
MW-11A	11/6/2006	13.72	10.10	3.62
MW-11A	2/6/2007	13.72	9.04	4.68
MW-11A	2/26/2007	13.72	7.32	6.40
MW-11A	4/27/2007	13.72	8.99	4.73
MW-11A	5/7/2007	13.72	9.06	4.66
MW-11A	8/6/2007	13.72	10.66	3.06
MW-11A	11/5/2007	13.72	10.16	3.56
MW-11A	2/4/2008	13.72	7.42	6.30
MW-11A	5/5/2008	13.72	9.53	4.19
MW-11A	8/4/2008	13.72	10.60	3.12
MW-11A	11/4/2008	13.72	9.87	3.85
MW-11A	2/2/2009	13.72	9.15	4.57
MW-11A	5/4/2009	13.72	8.89	4.83
MW-11A	8/3/2009	13.72	10.71	3.01
MW-11A	11/2/2009	13.72	8.40	5.32
MW-11A	2/1/2010	13.72	7.36	6.36
MW-11A	5/3/2010	13.72	7.64	6.08
MW-11A	8/2/2010	13.72	10.52	3.20
MW-11A	11/1/2010	13.72	10.07	3.65
MW-11A	4/11/2011	13.72	7.48	6.24
MW-11A	10/3/2011	13.72	9.35	4.37
MW-11A	4/2/2012	13.72	7.15	6.57
MW-11A	10/1/2012	13.72	10.89	2.83
MW-11A	4/1/2013	13.72	11.25	2.47
MW-11A	10/7/2013	13.72	12.40	1.32
MW-11A	3/28/2014	13.72	10.04	3.68
MW-11A	10/1/2014	13.72	12.42	1.30
MW-11A	4/1/2015	13.72	11.98	1.74
MW-11A	10/5/2015	13.72	12.58	1.14
MW-11A	4/4/2016	13.72	9.78	3.94
MW-11A	10/3/2016	13.72	12.56	1.16
MW-11A	4/3/2017	13.72	10.03	3.69
MW-11A	10/2/2017	13.72	12.57	1.15
MW-11A	4/2/2018	13.72	9.04	4.68
MW-12	3/19/2003	12.06	7.75	4.31
MW-12	7/30/2003	12.06	8.49	3.57
MW-12	7/30/2003	12.06	8.54	3.52
MW-12	8/25/2003	12.06	8.88	3.18
MW-12	10/22/2003	12.06	9.16	2.90
MW-12	1/27/2004	12.06	7.58	4.48
MW-12	4/13/2004	12.06	8.34	3.72
MW-12	7/19/2004	12.06	6.80	5.26
MW-12	10/11/2004	12.06	9.20	2.86
MW-12	2/7/2005	12.06	9.63	2.43
MW-12	6/6/2005	12.06	8.05	4.01
MW-12	11/7/2005	12.06	9.45	2.61

Table 2
Groundwater Elevation Data
 Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Upper Horizon Groundwater Monitoring Wells</i>				
MW-12	2/6/2006	12.71	6.42	6.29
MW-12	5/8/2006	12.71	6.76	5.95
MW-12	8/14/2006	12.71	9.44	3.27
MW-12	11/6/2006	12.71	9.11	3.60
MW-12	2/6/2007	12.71	8.03	4.68
MW-12	2/26/2007	12.71	6.24	6.47
MW-12	4/27/2007	12.71	8.94	3.77
MW-12	5/7/2007	12.71	8.03	4.68
MW-12	8/6/2007	12.71	9.67	3.04
MW-12	11/5/2007	12.71	9.14	3.57
MW-12	2/4/2008	12.71	6.35	6.36
MW-12	5/5/2008	12.71	8.53	4.18
MW-12	8/4/2008	12.71	9.59	3.12
MW-12	11/4/2008	12.71	8.78	3.93
MW-12	2/2/2009	12.71	8.11	4.60
MW-12	5/4/2009	12.71	7.86	4.85
MW-12	8/3/2009	12.71	9.70	3.01
MW-12	11/2/2009	12.71	7.41	5.30
MW-12	2/1/2010	12.71	6.26	6.45
MW-12	5/3/2010	12.71	6.58	6.13
MW-12	8/2/2010	12.71	9.48	3.23
MW-12	11/1/2010	12.71	8.91	3.80
MW-12	4/11/2011	12.71	6.41	6.30
MW-12	10/3/2011	12.71	8.38	4.33
MW-12	4/2/2012	12.71	6.15	6.56
MW-12	10/1/2012	12.71	8.36	4.35
MW-12	4/1/2013	12.71	8.79	3.92
MW-12	10/7/2013	12.71	9.96	2.75
MW-12	3/28/2014	12.71	7.52	5.19
MW-12	10/1/2014	12.71	9.95	2.76
MW-12	4/1/2015	12.71	9.58	3.13
MW-12	10/16/2015	12.71	10.14	2.57
MW-12	4/4/2016	12.71	7.26	5.45
MW-12	10/3/2016	12.71	10.14	2.57
MW-12	4/3/2017	12.71	7.51	5.20
MW-12	10/2/2017	12.71	10.06	2.65
MW-12	4/2/2018	12.71	6.51	6.20
MW-13	3/18/2003	12.24	8.33	3.91
MW-13	7/30/2003	12.24	7.30	4.94
MW-13	7/30/2003	12.24	7.84	4.40
MW-13	8/25/2003	12.24	8.95	3.29
MW-13	10/22/2003	12.24	9.34	2.90
MW-13	1/27/2004	12.24	7.68	4.56
MW-13	4/13/2004	12.24	8.55	3.69
MW-13	7/19/2004	12.24	9.18	3.06
MW-13	10/11/2004	12.24	9.32	2.92
MW-13	2/7/2005	12.24	NM	--
MW-13	6/6/2005	12.24	NM	--
MW-13	11/7/2005	12.24	10.30	1.94
MW-13	2/6/2006	13.18	6.92	6.26
MW-13	5/8/2006	13.18	7.22	5.96
MW-13	8/14/2006	13.18	9.92	3.26

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Upper Horizon Groundwater Monitoring Wells</i>				
MW-13	11/6/2006	13.18	9.89	3.29
MW-13	2/6/2007	13.18	8.60	4.58
MW-13	2/26/2007	13.18	6.77	6.41
MW-13	4/27/2007	13.18	8.54	4.64
MW-13	5/7/2007	13.18	8.62	4.56
MW-13	8/6/2007	13.18	10.11	3.07
MW-13	11/5/2007	13.18	9.73	3.45
MW-13	2/4/2008	13.18	6.94	6.24
MW-13	5/5/2008	13.18	9.13	4.05
MW-13	8/4/2008	13.18	9.98	3.20
MW-13	11/4/2008	13.18	9.97	3.21
MW-13	2/2/2009	13.18	8.71	4.47
MW-13	5/4/2009	13.18	8.50	4.68
MW-13	8/3/2009	13.18	10.09	3.09
MW-13	11/2/2009	13.18	7.98	5.20
MW-13	2/1/2010	13.18	6.81	6.37
MW-13	5/3/2010	13.18	7.14	6.04
MW-13	8/2/2010	13.18	9.90	3.28
MW-13	11/1/2010	13.18	9.61	3.57
MW-13	4/11/2011	13.18	7.08	6.10
MW-13	10/3/2011	13.18	9.00	4.18
MW-13	4/2/2012	13.18	6.79	6.39
MW-13	10/1/2012	13.18	9.07	4.11
MW-13	4/1/2013	13.18	9.41	3.77
MW-13	10/7/2013	13.18	10.39	2.79
MW-13	3/28/2014	13.18	8.32	4.86
MW-13	10/1/2014	13.18	10.22	2.96
MW-13	4/1/2015	13.18	9.87	3.31
MW-13	10/5/2015	13.18	10.46	2.72
MW-13	4/4/2016	13.18	7.95	5.23
MW-13	10/3/2016	13.18	10.38	2.80
MW-13	4/3/2017	13.18	8.20	4.98
MW-13	10/2/2017	13.18	10.28	2.90
MW-13	4/2/2018	13.18	7.33	5.85
MW-14	3/19/2003	12.87	8.30	4.57
MW-14	7/30/2003	12.87	9.30	3.57
MW-14	8/25/2003	12.87	9.65	3.22
MW-14	10/22/2003	12.87	9.97	2.90
MW-14	1/27/2004	12.87	8.10	4.77
MW-14	4/13/2004	12.87	9.05	3.82
MW-14	7/19/2004	12.87	9.65	3.22
MW-14	10/11/2004	12.87	9.96	2.91
MW-14	2/7/2005	12.87	10.54	2.33
MW-14	6/6/2005	12.87	8.69	4.18
MW-14	11/7/2005	12.87	10.18	2.69
MW-14	2/6/2006	12.92	6.27	6.65
MW-14	5/8/2006	12.92	6.69	6.23
MW-14	8/14/2006	12.92	9.79	3.13
MW-14	11/6/2006	12.92	9.25	3.67
MW-14	2/6/2007	12.92	8.06	4.86
MW-14	2/26/2007	12.92	6.12	6.80
MW-14	4/27/2007	12.92	7.97	4.95

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Upper Horizon Groundwater Monitoring Wells</i>				
MW-14	5/7/2007	12.92	8.08	4.84
MW-14	8/6/2007	12.92	9.84	3.08
MW-14	11/5/2007	12.92	9.32	3.60
MW-14	2/4/2008	12.92	6.26	6.66
MW-14	5/5/2008	12.92	8.69	4.23
MW-14	8/4/2008	12.92	9.76	3.16
MW-14	11/4/2008	12.92	8.61	4.31
MW-14	2/2/2009	12.92	8.13	4.79
MW-14	5/4/2009	12.92	7.89	5.03
MW-14	8/3/2009	12.92	9.91	3.01
MW-14	11/2/2009	12.92	7.38	5.54
MW-14	2/1/2010	12.92	6.20	6.72
MW-14	5/3/2010	12.92	6.53	6.39
MW-14	8/2/2010	12.92	9.71	3.21
MW-14	11/1/2010	12.92	9.01	3.91
MW-14	4/11/2011	12.92	6.61	6.31
MW-14	10/3/2011	12.92	8.51	4.41
MW-14	4/2/2012	12.92	6.20	6.72
MW-14	10/1/2012	12.92	8.52	4.40
MW-14	4/1/2013	12.92	8.96	3.96
MW-14	10/7/2013	12.92	10.17	2.75
MW-14	3/28/2014	12.92	7.63	5.29
MW-14	10/1/2014	12.92	10.12	2.80
MW-14	4/1/2015	12.92	9.77	3.15
MW-14	10/5/2015	12.92	10.30	2.62
MW-14	4/4/2016	12.92	7.26	5.66
MW-14	10/3/2016	12.92	10.28	2.64
MW-14	4/3/2017	12.92	7.41	5.51
MW-14	10/2/2017	12.92	10.27	2.65
MW-14	4/2/2018	12.92	6.53	6.39
MW-15	3/18/2003	14.04	9.64	4.40
MW-15	7/30/2003	14.04	10.41	3.63
MW-15	7/30/2003	14.04	10.49	3.55
MW-15	8/25/2003	14.04	10.85	3.19
MW-15	10/22/2003	14.04	11.15	2.89
MW-15	1/27/2004	14.04	9.27	4.77
MW-15	4/13/2004	14.04	10.22	3.82
MW-15	7/19/2004	14.04	10.80	3.24
MW-15	10/11/2004	14.04	11.16	2.88
MW-15	2/7/2005	14.04	11.55	2.49
MW-15	6/6/2005	14.04	9.93	4.11
MW-15	11/7/2005	14.04	13.19	0.85
MW-15	2/6/2006	16.91	10.22	6.69
MW-15	5/8/2006	16.91	10.64	6.27
MW-15	8/14/2006	16.83	13.62	3.21
MW-15	11/6/2006	16.83	13.22	3.61
MW-15	2/6/2007	16.83	11.98	4.85
MW-15	2/26/2007	16.83	10.07	6.76
MW-15	4/27/2007	16.83	11.97	4.86
MW-15	5/7/2007	16.83	12.03	4.80
MW-15	8/6/2007	16.83	13.87	2.96
MW-15	11/5/2007	16.83	13.27	3.56

Table 2
Groundwater Elevation Data
 Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Upper Horizon Groundwater Monitoring Wells</i>				
MW-15	2/4/2008	16.83	10.22	6.61
MW-15	5/5/2008	16.83	12.64	4.19
MW-15	8/4/2008	16.83	13.73	3.10
MW-15	11/4/2008	16.83	12.70	4.13
MW-15	2/2/2009	16.83	12.08	4.75
MW-15	5/4/2009	16.83	11.81	5.02
MW-15	8/3/2009	16.83	13.89	2.94
MW-15	11/2/2009	16.83	11.30	5.53
MW-15	2/1/2010	16.83	10.13	6.70
MW-15	5/3/2010	16.83	10.47	6.36
MW-15	8/2/2010	16.83	13.70	3.13
MW-15	11/1/2010	16.83	12.91	3.92
MW-15	4/11/2011	16.83	10.32	6.51
MW-15	10/3/2011	16.83	12.49	4.34
MW-15	4/2/2012	16.83	10.08	6.75
MW-15	10/1/2012	16.83	12.46	4.37
MW-15	4/1/2013	16.83	12.94	3.89
MW-15	10/7/2013	16.83	14.14	2.69
MW-15	3/28/2014	16.83	11.52	5.31
MW-15	10/1/2014	16.83	14.15	2.68
MW-15	4/1/2015	16.83	13.70	3.13
MW-15	10/5/2015	16.83	14.35	2.48
MW-15	4/4/2016	16.83	11.12	5.71
MW-15	10/3/2016	16.83	14.24	2.59
MW-15	4/3/2017	16.83	11.55	5.28
MW-15	10/2/2017	16.83	14.31	2.52
MW-15	4/2/2018	16.83	10.32	6.51
MW-16A	3/20/2003	12.72	9.00	3.72
MW-16A	7/30/2003	12.72	9.21	3.51
MW-16A	7/30/2003	12.72	9.34	3.38
MW-16A	8/25/2003	12.72	9.49	3.23
MW-16A	10/22/2003	12.72	9.99	2.73
MW-16A	1/27/2004	12.72	9.07	3.65
MW-16A	4/13/2004	12.72	9.33	3.39
MW-16A	7/19/2004	12.72	9.54	3.18
MW-16A	10/11/2004	12.72	10.03	2.69
MW-16A	2/7/2005	12.72	11.10	1.62
MW-16A	6/6/2005	12.72	9.25	3.47
MW-16A	11/7/2005	12.72	10.18	2.54
MW-16A	2/6/2006	12.80	8.30	4.50
MW-16A	5/8/2006	12.80	8.48	4.32
MW-16A	8/14/2006	12.80	9.76	3.04
MW-16A	11/6/2006	12.80	8.71	4.09
MW-16A	2/6/2007	12.80	9.14	3.66
MW-16A	2/26/2007	12.80	8.31	4.49
MW-16A	4/27/2007	12.80	9.06	3.74
MW-16A	5/7/2007	12.80	9.18	3.62
MW-16A	8/6/2007	12.80	9.98	2.82
MW-16A	11/5/2007	12.80	9.79	3.01
MW-16A	2/4/2008	12.80	7.84	4.96
MW-16A	5/5/2008	12.80	9.13	3.67
MW-16A	8/4/2008	12.80	9.86	2.94

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Upper Horizon Groundwater Monitoring Wells</i>				
MW-16A	11/4/2008	12.80	9.41	3.39
MW-16A	2/2/2009	12.80	9.30	3.50
MW-16A	5/4/2009	12.80	9.09	3.71
MW-16A	8/3/2009	12.80	9.91	2.89
MW-16A	11/2/2009	12.80	8.96	3.84
MW-16A	2/1/2010	12.80	7.57	5.23
MW-16A	5/3/2010	12.80	8.50	4.30
MW-16A	8/2/2010	12.80	9.88	2.92
MW-16A	11/1/2010	12.80	9.45	3.35
MW-16A	4/11/2011	12.80	8.45	4.35
MW-16A	10/3/2011	12.80	9.31	3.49
MW-16A	4/2/2012	12.80	8.30	4.50
MW-16A	10/1/2012	12.80	8.85	3.95
MW-16A	4/1/2013	12.80	9.31	3.49
MW-16A	10/7/2013	12.80	9.67	3.13
MW-16A	3/28/2014	12.80	7.85	4.95
MW-16A	10/1/2014	12.80	10.27	2.53
MW-16A	4/1/2015	12.80	9.97	2.83
MW-16A	10/5/2015	12.80	10.30	2.50
MW-16A	4/4/2016	12.80	8.81	3.99
MW-16A	10/3/2016	12.80	9.47	3.33
MW-16A	4/3/2017	12.80	8.76	4.04
MW-16A	10/2/2017	12.80	10.45	2.35
MW-17	3/20/2003	12.43	9.82	2.61
MW-17	7/30/2003	12.43	7.95	4.48
MW-17	7/30/2003	12.43	7.96	4.47
MW-17	8/25/2003	12.43	8.57	3.86
MW-17	10/22/2003	12.43	9.44	2.99
MW-17	1/27/2004	12.43	7.28	5.15
MW-17	4/13/2004	12.43	7.77	4.66
MW-17	7/19/2004	12.43	7.82	4.61
MW-17	10/11/2004	12.43	9.72	2.71
MW-17	2/7/2005	12.43	8.42	4.01
MW-17	6/6/2005	12.43	7.70	4.73
MW-17	11/7/2005	12.43	9.85	2.58
MW-17	2/6/2006	12.50	6.75	5.75
MW-17	5/8/2006	12.50	7.10	5.40
MW-17	8/14/2006	12.50	8.45	4.05
MW-17	11/6/2006	12.50	7.60	4.90
MW-17	2/6/2007	12.50	7.52	4.98
MW-17	2/26/2007	12.50	6.70	5.80
MW-17	4/27/2007	12.50	7.62	4.88
MW-17	5/7/2007	12.50	7.64	4.86
MW-17	8/6/2007	12.50	9.42	3.08
MW-17	11/5/2007	12.50	8.39	4.11
MW-17	2/4/2008	12.50	6.51	5.99
MW-17	5/5/2008	12.50	7.86	4.64
MW-17	8/4/2008	12.50	9.36	3.14
MW-17	11/4/2008	12.50	7.20	5.30
MW-17	2/2/2009	12.50	7.56	4.94
MW-17	5/4/2009	12.50	7.49	5.01
MW-17	8/3/2009	12.50	9.41	3.09

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Upper Horizon Groundwater Monitoring Wells</i>				
MW-17	11/2/2009	12.50	7.05	5.45
MW-17	2/1/2010	12.50	6.26	6.24
MW-17	5/3/2010	12.50	7.00	5.50
MW-17	8/2/2010	12.50	9.06	3.44
MW-17	11/1/2010	12.50	7.88	4.62
MW-17	4/11/2011	12.50	6.99	5.51
MW-17	10/3/2011	12.50	7.81	4.69
MW-17	4/2/2012	12.50	6.75	5.75
MW-17	10/1/2012	12.50	7.41	5.09
MW-17	4/1/2013	12.50	7.75	4.75
MW-17	10/7/2013	12.50	9.21	3.29
MW-17	3/28/2014	12.50	7.16	5.34
MW-17	10/1/2014	12.50	10.22	2.28
MW-17	4/1/2015	12.50	9.27	3.23
MW-17	10/5/2015	12.50	10.44	2.06
MW-17	4/4/2016	12.50	7.28	5.22
MW-17	10/3/2016	12.50	10.78	1.72
MW-17	4/3/2017	12.50	7.29	5.21
MW-17	10/2/2017	12.50	10.88	1.62
MW-18	7/30/2003	15.14	10.74	4.40
MW-18	7/30/2003	15.14	13.60	1.54
MW-18	8/25/2003	15.14	11.01	4.13
MW-18	10/22/2003	15.14	12.40	2.74
MW-18	1/27/2004	15.14	9.95	5.19
MW-18	4/13/2004	15.14	10.12	5.02
MW-18	7/19/2004	15.14	10.84	4.30
MW-18	10/11/2004	15.14	11.23	3.91
MW-18	2/7/2005	15.14	9.75	5.39
MW-18	6/6/2005	15.14	9.94	5.20
MW-18	11/7/2005	15.14	10.97	4.17
MW-18	2/6/2006	15.00	8.80	6.20
MW-18	5/8/2006	15.00	9.22	5.78
MW-18	8/14/2006	15.00	10.51	4.49
MW-18	11/6/2006	15.00	10.97	4.03
MW-18	2/6/2007	15.00	10.61	4.39
MW-18	2/26/2007	15.00	7.36	7.64
MW-18	4/27/2007	15.00	10.38	4.62
MW-18	5/7/2007	15.00	10.46	4.54
MW-18	8/6/2007	15.00	11.09	3.91
MW-18	11/5/2007	15.00	11.24	3.76
MW-18	2/4/2008	15.00	9.22	5.78
MW-18	5/5/2008	15.00	10.44	4.56
MW-18	8/4/2008	15.00	10.82	4.18
MW-18	11/4/2008	15.00	10.98	4.02
MW-18	2/2/2009	15.00	10.80	4.20
MW-18	5/4/2009	15.00	10.24	4.76
MW-18	8/3/2009	15.00	10.90	4.10
MW-18	11/2/2009	15.00	10.51	4.49
MW-18	2/1/2010	15.00	8.89	6.11
MW-18	5/3/2010	15.00	9.39	5.61
MW-18	8/2/2010	15.00	10.65	4.35
MW-18	11/1/2010	15.00	11.07	3.93

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Upper Horizon Groundwater Monitoring Wells</i>				
MW-18	4/11/2011	15.00	8.98	6.02
MW-18	10/3/2011	15.00	10.62	4.38
MW-18	4/2/2012	15.00	8.80	6.20
MW-18	10/1/2012	15.00	10.70	4.30
MW-18	4/1/2013	15.00	10.21	4.79
MW-18	10/7/2013	15.00	11.15	3.85
MW-18	3/28/2014	15.00	10.05	4.95
MW-18	10/1/2014	15.00	11.13	3.87
MW-18	4/1/2015	15.00	10.54	4.46
MW-18	10/5/2015	15.00	11.29	3.71
MW-18	4/4/2016	15.00	9.39	5.61
MW-18	10/3/2016	15.00	11.30	3.70
MW-18	4/3/2017	15.00	8.57	6.43
MW-18	10/2/2017	15.00	11.08	3.92
MW-18	4/2/2018	15.00	9.02	5.98
MW-19	7/30/2003	17.76	12.89	4.87
MW-19	7/30/2003	17.76	15.77	1.99
MW-19	8/25/2003	17.76	12.89	4.87
MW-19	10/22/2003	17.76	13.00	4.76
MW-19	1/27/2004	17.76	13.00	4.76
MW-19	4/13/2004	17.76	13.00	4.76
MW-19	7/19/2004	17.76	12.82	4.94
MW-19	10/11/2004	17.76	13.00	4.76
MW-19	2/7/2005	17.76	13.09	4.67
MW-19	6/6/2005	17.76	13.01	4.75
MW-19	11/7/2005	17.76	12.87	4.89
MW-19	2/6/2006	17.52	12.92	4.60
MW-19	5/8/2006	17.52	12.65	4.87
MW-19	8/14/2006	17.52	12.45	5.07
MW-19	11/6/2006	17.52	12.34	5.18
MW-19	2/6/2007	17.52	12.37	5.15
MW-19	2/26/2007	17.52	12.30	5.22
MW-19	4/27/2007	17.52	12.31	5.21
MW-19	5/7/2007	17.52	12.32	5.20
MW-19	8/6/2007	17.52	12.32	5.20
MW-19	11/5/2007	17.52	12.28	5.24
MW-19	2/4/2008	17.52	12.46	5.06
MW-19	5/5/2008	17.52	12.14	5.38
MW-19	8/4/2008	17.52	12.12	5.40
MW-19	11/4/2008	17.52	12.12	5.40
MW-19	2/2/2009	17.52	12.33	5.19
MW-19	5/4/2009	17.52	12.25	5.27
MW-19	8/3/2009	17.52	12.23	5.29
MW-19	11/2/2009	17.52	12.21	5.31
MW-19	2/1/2010	17.52	12.14	5.38
MW-19	5/3/2010	17.52	12.04	5.48
MW-19	8/2/2010	17.52	11.68	5.84
MW-19	11/1/2010	17.52	11.65	5.87
MW-19	4/11/2011	17.52	7.51	10.01
MW-19	10/3/2011	17.52	8.47	9.05
MW-19	4/2/2012	17.52	9.84	7.68
MW-19	10/1/2012	17.52	9.19	8.33

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Upper Horizon Groundwater Monitoring Wells</i>				
MW-19	4/1/2013	17.52	9.50	8.02
MW-19	10/7/2013	17.52	9.60	7.92
MW-19	3/28/2014	17.52	10.71	6.81
MW-19	10/1/2014	17.52	10.31	7.21
MW-19	10/1/2014	17.52	10.31	7.21
MW-19	10/5/2015	17.52	10.79	6.73
MW-19	4/4/2016	17.52	10.98	6.54
MW-19	10/3/2016	17.52	10.58	6.94
MW-19	4/3/2017	17.52	9.47	8.05
MW-19	10/2/2017	17.52	8.91	8.61
MW-19	4/2/2018	17.52	9.88	7.64
MW-2	3/17/2003	13.25	9.85	3.40
MW-2	7/30/2003	13.25	10.41	2.84
MW-2	7/30/2003	13.25	10.42	2.83
MW-2	8/25/2003	13.25	10.88	2.37
MW-2	10/22/2003	13.25	11.25	2.00
MW-2	1/27/2004	13.25	9.61	3.64
MW-2	4/13/2004	13.25	10.45	2.80
MW-2	7/19/2004	13.25	10.90	2.35
MW-2	10/11/2004	13.25	11.20	2.05
MW-2	2/7/2005	13.25	10.72	2.53
MW-2	6/6/2005	13.25	9.99	3.26
MW-2	11/7/2005	13.25	11.22	2.03
MW-2	2/6/2006	13.39	8.61	4.78
MW-2	5/8/2006	13.39	8.71	4.68
MW-2	8/14/2006	13.39	10.65	2.74
MW-2	11/6/2006	13.39	10.89	2.50
MW-2	2/6/2007	13.39	9.83	3.56
MW-2	2/26/2007	13.39	8.64	4.75
MW-2	4/27/2007	13.39	9.93	3.46
MW-2	5/7/2007	13.39	9.99	3.40
MW-2	8/6/2007	13.39	10.89	2.50
MW-2	11/5/2007	13.39	10.94	2.45
MW-2	2/4/2008	13.39	8.77	4.62
MW-2	5/5/2008	13.39	10.34	3.05
MW-2	8/4/2008	13.39	10.48	2.91
MW-2	11/4/2008	13.39	10.66	2.73
MW-2	2/2/2009	13.39	10.10	3.29
MW-2	5/4/2009	13.39	9.90	3.49
MW-2	8/3/2009	13.39	10.93	2.46
MW-2	11/2/2009	13.39	9.55	3.84
MW-2	2/1/2010	13.39	8.58	4.81
MW-2	5/3/2010	13.39	9.04	4.35
MW-2	8/2/2010	13.39	10.95	2.44
MW-2	11/1/2010	13.39	11.05	2.34
MW-2	4/11/2011	13.39	9.43	3.96
MW-2	10/3/2011	13.39	10.24	3.15
MW-2	4/2/2012	13.39	9.01	4.38
MW-2	10/1/2012	13.39	10.38	3.01
MW-2	4/1/2013	13.39	10.57	2.82
MW-2	10/7/2013	13.39	11.36	2.03
MW-2	3/28/2014	13.39	9.60	3.79

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Upper Horizon Groundwater Monitoring Wells</i>				
MW-2	10/1/2014	13.39	10.98	2.41
MW-2	4/1/2015	13.39	10.95	2.44
MW-2	10/5/2015	13.39	10.76	2.63
MW-2	4/4/2016	13.39	9.47	3.92
MW-2	10/3/2016	13.39	11.12	2.27
MW-2	4/3/2017	13.39	9.34	4.05
MW-2	10/2/2017	13.39	11.09	2.30
MW-2	4/2/2018	13.39	8.93	4.46
MW-20	7/30/2003	18.00	15.85	2.15
MW-20	7/30/2003	18.00	15.97	2.03
MW-20	8/25/2003	18.00	13.91	4.09
MW-20	10/22/2003	18.00	14.72	3.28
MW-20	1/27/2004	18.00	12.98	5.02
MW-20	4/13/2004	18.00	13.38	4.62
MW-20	7/19/2004	18.00	13.75	4.25
MW-20	10/11/2004	18.00	14.25	3.75
MW-20	2/7/2005	18.00	13.93	4.07
MW-20	6/6/2005	18.00	13.25	4.75
MW-20	11/7/2005	18.00	14.36	3.64
MW-20	2/6/2006	17.79	12.06	5.73
MW-20	5/8/2006	17.79	12.22	5.57
MW-20	8/14/2006	17.79	13.82	3.97
MW-20	11/6/2006	17.79	14.00	3.79
MW-20	2/6/2007	17.79	13.34	4.45
MW-20	2/26/2007	17.79	12.21	5.58
MW-20	4/27/2007	17.79	13.21	4.58
MW-20	5/7/2007	17.79	13.30	4.49
MW-20	8/6/2007	17.79	14.16	3.63
MW-20	11/5/2007	17.79	14.09	3.70
MW-20	2/4/2008	17.79	12.00	5.79
MW-20	5/5/2008	17.79	13.40	4.39
MW-20	8/4/2008	17.79	13.86	3.93
MW-20	11/4/2008	17.79	13.99	3.80
MW-20	2/2/2009	17.79	13.42	4.37
MW-20	5/4/2009	17.79	13.04	4.75
MW-20	8/3/2009	17.79	14.00	3.79
MW-20	11/2/2009	17.79	13.14	4.65
MW-20	2/1/2010	17.79	11.65	6.14
MW-20	5/3/2010	17.79	12.38	5.41
MW-20	8/2/2010	17.79	13.90	3.89
MW-20	11/1/2010	17.79	14.11	3.68
MW-20	4/11/2011	17.79	12.10	5.69
MW-20	10/3/2011	17.79	13.52	4.27
MW-20	4/2/2012	17.79	11.98	5.81
MW-20	10/1/2012	17.79	13.57	4.22
MW-20	4/1/2013	17.79	13.12	4.67
MW-20	10/7/2013	17.79	14.33	3.46
MW-20	3/28/2014	17.79	13.12	4.67
MW-20	10/1/2014	17.79	14.29	3.50
MW-20	4/1/2015	17.79	14.06	3.73
MW-20	10/5/2015	17.79	14.58	3.21
MW-20	4/4/2016	17.79	12.56	5.23

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Upper Horizon Groundwater Monitoring Wells</i>				
MW-20	10/3/2016	17.79	14.44	3.35
MW-20	4/3/2017	17.79	12.03	5.76
MW-20	10/2/2017	17.79	13.84	3.95
MW-20	4/2/2018	17.79	12.52	5.27
MW-21	7/30/2003	14.59	12.40	2.19
MW-21	7/30/2003	14.59	12.41	2.18
MW-21	8/25/2003	14.59	9.97	4.62
MW-21	10/22/2003	14.59	10.48	4.11
MW-21	1/28/2004	14.59	9.35	5.24
MW-21	4/13/2004	14.59	9.37	5.22
MW-21	7/19/2004	14.59	9.90	4.69
MW-21	10/11/2004	14.59	10.45	4.14
MW-21	2/7/2005	14.59	NM	--
MW-21	6/6/2005	14.59	9.49	5.10
MW-21	11/7/2005	14.59	10.41	4.18
MW-21	2/6/2006	14.36	8.57	5.79
MW-21	5/8/2006	14.36	8.49	5.87
MW-21	8/14/2006	14.36	9.90	4.46
MW-21	11/6/2006	14.36	10.20	4.16
MW-21	2/6/2007	14.36	9.57	4.79
MW-21	2/26/2007	14.36	7.36	7.00
MW-21	4/27/2007	14.36	9.36	5.00
MW-21	5/7/2007	14.36	9.43	4.93
MW-21	8/6/2007	14.36	10.26	4.10
MW-21	11/5/2007	14.36	10.41	3.95
MW-21	2/4/2008	14.36	0.64	13.72
MW-21	5/5/2008	14.36	9.48	4.88
MW-21	8/4/2008	14.36	10.12	4.24
MW-21	11/4/2008	14.36	6.43	7.93
MW-21	2/2/2009	14.36	9.90	4.46
MW-21	5/4/2009	14.36	9.28	5.08
MW-21	8/3/2009	14.36	10.19	4.17
MW-21	11/2/2009	14.36	9.70	4.66
MW-21	2/1/2010	14.36	6.78	7.58
MW-21	5/3/2010	14.36	8.57	5.79
MW-21	8/2/2010	14.36	9.90	4.46
MW-21	11/1/2010	14.36	10.35	4.01
MW-21	4/11/2011	14.36	8.00	6.36
MW-21	10/3/2011	14.36	9.70	4.66
MW-21	4/2/2012	14.36	6.79	7.57
MW-21	10/1/2012	14.36	9.70	4.66
MW-21	4/1/2013	14.36	9.45	4.91
MW-21	10/7/2013	14.36	10.64	3.72
MW-21	3/28/2014	14.36	9.70	4.66
MW-21	10/1/2014	14.36	10.67	3.69
MW-21	4/1/2015	14.36	10.01	4.35
MW-21	10/5/2015	14.36	11.01	3.35
MW-21	4/4/2016	14.36	8.80	5.56
MW-21	10/3/2016	14.36	10.89	3.47
MW-21	4/3/2017	14.36	8.08	6.28
MW-21	10/2/2017	14.36	10.70	3.66
MW-21	4/2/2018	14.36	8.56	5.80

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Upper Horizon Groundwater Monitoring Wells</i>				
MW-22	7/30/2003	17.26	14.79	2.47
MW-22	7/30/2003	17.26	14.80	2.46
MW-22	8/25/2003	17.26	12.26	5.00
MW-22	10/22/2003	17.26	13.45	3.81
MW-22	1/27/2004	17.26	10.50	6.76
MW-22	4/13/2004	17.26	10.75	6.51
MW-22	7/19/2004	17.26	12.11	5.15
MW-22	10/11/2004	17.26	12.64	4.62
MW-22	2/7/2005	17.26	9.62	7.64
MW-22	6/6/2005	17.26	10.46	6.80
MW-22	11/7/2005	17.26	12.03	5.23
MW-22	2/6/2006	17.18	8.50	8.68
MW-22	5/8/2006	17.18	9.01	8.17
MW-22	8/14/2006	17.18	11.33	5.85
MW-22	11/6/2006	17.18	12.03	5.15
MW-22	2/6/2007	17.18	11.55	5.63
MW-22	2/26/2007	17.18	9.62	7.56
MW-22	4/27/2007	17.18	10.95	6.23
MW-22	5/7/2007	17.18	11.07	6.11
MW-22	8/6/2007	17.18	12.34	4.84
MW-22	11/5/2007	17.18	12.52	4.66
MW-22	2/4/2008	17.18	8.22	8.96
MW-22	5/5/2008	17.18	11.18	6.00
MW-22	8/4/2008	17.18	12.13	5.05
MW-22	11/4/2008	17.18	12.00	5.18
MW-22	2/2/2009	17.18	11.73	5.45
MW-22	5/4/2009	17.18	10.66	6.52
MW-22	8/3/2009	17.18	12.09	5.09
MW-22	11/2/2009	17.18	11.34	5.84
MW-22	2/1/2010	17.18	8.13	9.05
MW-22	5/3/2010	17.18	9.49	7.69
MW-22	8/2/2010	17.18	11.43	5.75
MW-22	11/1/2010	17.18	12.06	5.12
MW-22	4/11/2011	17.18	8.63	8.55
MW-22	10/6/2011	17.18	11.57	5.61
MW-22	4/2/2012	17.18	8.17	9.01
MW-22	10/1/2012	17.18	11.96	5.22
MW-22	4/1/2013	17.18	10.71	6.47
MW-22	10/7/2013	17.18	12.34	4.84
MW-22	3/28/2014	17.18	10.78	6.40
MW-22	10/1/2014	17.18	12.52	4.66
MW-22	4/1/2015	17.18	11.33	5.85
MW-22	10/5/2015	17.18	12.84	4.34
MW-22	4/4/2016	17.18	9.50	7.68
MW-22	10/3/2016	17.18	12.68	4.50
MW-22	4/3/2017	17.18	8.02	9.16
MW-22	10/2/2017	17.18	12.37	4.81
MW-22	4/2/2018	17.18	9.44	7.74
MW-23	7/30/2003	19.35	11.75	7.60
MW-23	7/30/2003	19.35	11.79	7.56
MW-23	8/25/2003	19.35	12.10	7.25
MW-23	10/22/2003	19.35	12.64	6.71

Table 2
Groundwater Elevation Data
 Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Upper Horizon Groundwater Monitoring Wells</i>				
MW-23	1/27/2004	19.35	10.51	8.84
MW-23	4/13/2004	19.35	10.78	8.57
MW-23	7/19/2004	19.35	11.98	7.37
MW-23	10/11/2004	19.35	12.76	6.59
MW-23	2/7/2005	19.35	9.72	9.63
MW-23	6/6/2005	19.35	9.86	9.49
MW-23	11/7/2005	19.35	9.31	10.04
MW-23	2/6/2006	19.25	8.58	10.67
MW-23	5/8/2006	19.25	9.36	9.89
MW-23	8/14/2006	19.25	11.24	8.01
MW-23	11/6/2006	19.25	12.25	7.00
MW-23	2/6/2007	19.25	11.35	7.90
MW-23	2/26/2007	19.25	NM	--
MW-23	4/27/2007	19.25	10.68	8.57
MW-23	5/7/2007	19.25	10.85	8.40
MW-23	8/6/2007	19.25	12.02	7.23
MW-23	11/5/2007	19.25	13.18	6.07
MW-23	2/4/2008	19.25	NM	--
MW-23	5/5/2008	19.25	10.82	8.43
MW-23	8/4/2008	19.25	11.83	7.42
MW-23	11/4/2008	19.25	8.65	10.60
MW-23	2/2/2009	19.25	11.70	7.55
MW-23	5/4/2009	19.25	10.44	8.81
MW-23	8/3/2009	19.25	11.82	7.43
MW-23	11/2/2009	19.25	11.44	7.81
MW-23	2/1/2010	19.25	8.48	10.77
MW-23	5/3/2010	19.25	9.14	10.11
MW-23	8/2/2010	19.25	11.16	8.09
MW-23	11/1/2010	19.25	12.34	6.91
MW-23	4/11/2011	19.25	8.08	11.17
MW-23	10/3/2011	19.25	11.85	7.40
MW-23	4/2/2012	19.25	7.95	11.30
MW-23	10/1/2012	19.25	11.21	8.04
MW-23	4/1/2013	19.25	9.49	9.76
MW-23	10/7/2013	19.25	12.79	6.46
MW-23	3/28/2014	19.25	11.05	8.20
MW-23	10/1/2014	19.25	13.10	6.15
MW-23	4/1/2015	19.25	11.45	7.80
MW-23	10/5/2015	19.25	13.63	5.62
MW-23	4/4/2016	19.25	9.41	9.84
MW-23	10/3/2016	19.25	12.87	6.38
MW-23	4/3/2017	19.25	6.64	12.61
MW-23	10/2/2017	19.25	12.25	7.00
MW-23	4/2/2018	19.25	9.64	9.61
MW-24	7/30/2003	16.92	6.85	10.07
MW-24	8/25/2003	16.92	4.30	12.62
MW-24	10/22/2003	16.92	4.75	12.17
MW-24	1/30/2004	16.92	-0.24	17.16
MW-24	4/13/2004	16.92	2.05	14.87
MW-24	7/19/2004	16.92	4.08	12.84
MW-24	10/11/2004	16.92	4.76	12.16
MW-24	2/7/2005	16.92	0.03	16.89

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Upper Horizon Groundwater Monitoring Wells</i>				
MW-24	6/6/2005	16.92	2.70	14.22
MW-24	11/7/2005	16.92	4.62	12.30
MW-24	2/6/2006	13.08	0.70	12.38
MW-24	5/8/2006	13.08	1.09	11.99
MW-24	8/14/2006	13.08	3.84	9.24
MW-24	11/6/2006	13.08	4.53	8.55
MW-24	2/6/2007	13.08	2.42	10.66
MW-24	2/26/2007	13.08	0.00	13.08
MW-24	4/27/2007	13.08	2.32	10.76
MW-24	5/7/2007	13.08	2.75	10.33
MW-24	8/6/2007	13.08	4.19	8.89
MW-24	11/5/2007	13.08	3.71	9.37
MW-24	2/4/2008	13.08	NM	--
MW-24	5/5/2008	13.08	2.99	10.09
MW-24	8/4/2008	13.08	4.19	8.89
MW-24	11/4/2008	13.08	0.80	12.28
MW-24	2/2/2009	13.08	3.06	10.02
MW-24	5/4/2009	13.08	2.78	10.30
MW-24	8/3/2009	13.08	4.10	8.98
MW-24	11/2/2009	13.08	2.14	10.94
MW-24	2/1/2010	13.08	NM	--
MW-24	5/3/2010	13.08	5.94	7.14
MW-24	5/3/2010	17.07	5.94	11.13
MW-24	8/2/2010	17.07	7.58	9.49
MW-24	11/1/2010	17.07	8.40	8.67
MW-24	4/11/2011	17.07	5.38	11.69
MW-24	10/3/2011	17.07	7.91	9.16
MW-24	4/2/2012	17.07	3.18	13.89
MW-24	10/1/2012	17.07	8.28	8.79
MW-24	4/1/2013	17.07	7.04	10.03
MW-24	10/7/2013	17.07	8.73	8.34
MW-24	3/28/2014	17.07	5.99	11.08
MW-24	10/1/2014	17.07	8.83	8.24
MW-24	4/1/2015	17.07	6.98	10.09
MW-24	10/5/2015	17.07	10.30	6.77
MW-24	4/4/2016	17.07	5.53	11.54
MW-24	10/3/2016	17.07	8.73	8.34
MW-24	4/3/2017	17.07	4.89	12.18
MW-24	10/2/2017	17.07	8.49	8.58
MW-24	4/2/2018	17.07	4.88	12.19
MW-25	2/6/2006	23.19	9.76	13.43
MW-25	5/8/2006	23.19	10.50	12.69
MW-25	8/14/2006	23.19	11.50	11.69
MW-25	11/6/2006	23.19	11.48	11.71
MW-25	2/6/2007	23.19	11.54	11.65
MW-25	2/26/2007	23.19	10.24	12.95
MW-25	4/27/2007	23.19	10.97	12.22
MW-25	5/7/2007	23.19	10.06	13.13
MW-25	8/6/2007	23.19	11.83	11.36
MW-25	11/5/2007	23.19	11.91	11.28
MW-25	2/4/2008	23.19	8.61	14.58
MW-25	5/5/2008	23.19	11.22	11.97

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Upper Horizon Groundwater Monitoring Wells</i>				
MW-25	8/4/2008	23.19	NM	--
MW-25R ¹	11/2/2009	22.73	10.70	12.03
MW-25R ¹	2/1/2010	22.73	8.07	14.66
MW-25R ¹	5/3/2010	22.73	9.97	12.76
MW-25R ¹	8/2/2010	22.73	10.98	11.75
MW-25R ¹	11/1/2010	22.73	11.05	11.68
MW-25R ¹	4/11/2011	22.73	9.44	13.29
MW-25R ¹	10/3/2011	22.73	11.24	11.49
MW-25R ¹	4/2/2012	22.73	8.17	14.56
MW-25R ¹	10/1/2012	22.73	11.30	11.43
MW-25R ¹	4/1/2013	22.73	10.95	11.78
MW-25R ¹	10/7/2013	22.73	11.35	11.38
MW-25R ¹	3/28/2014	22.73	10.40	12.33
MW-25R ¹	10/1/2014	22.73	12.05	10.68
MW-25R ¹	4/1/2015	22.73	11.24	11.49
MW-25R ¹	10/5/2015	22.73	11.70	11.03
MW-25R ¹	4/4/2016	22.73	9.94	12.79
MW-25R ¹	10/3/2016	22.73	12.28	10.45
MW-25R ¹	4/3/2017	22.73	9.13	13.60
MW-25R ¹	10/2/2017	22.73	12.02	10.71
MW-25R¹	4/2/2018	22.73	9.28	13.45
MW-26	2/6/2006	24.91	12.20	12.71
MW-26	5/8/2006	24.91	12.62	12.29
MW-26	8/14/2006	24.91	13.10	11.81
MW-26	11/6/2006	24.91	13.04	11.87
MW-26	2/6/2007	24.91	13.11	11.80
MW-26	2/26/2007	24.91	12.24	12.67
MW-26	4/27/2007	24.91	12.79	12.12
MW-26	5/7/2007	24.91	12.79	12.12
MW-26	8/6/2007	24.91	13.29	11.62
MW-26	11/5/2007	24.91	12.18	12.73
MW-26	2/4/2008	24.91	11.66	13.25
MW-26	5/5/2008	24.91	12.89	12.02
MW-26	8/4/2008	24.91	13.01	11.90
MW-26	11/4/2008	24.91	12.57	12.34
MW-26	2/2/2009	24.91	12.30	12.61
MW-26	5/4/2009	24.91	12.78	12.13
MW-26	8/3/2009	24.91	13.18	11.73
MW-26	11/2/2009	24.91	12.85	12.06
MW-26	2/1/2010	24.91	11.98	12.93
MW-26	5/3/2010	24.91	12.70	12.21
MW-26	8/2/2010	24.91	13.01	11.90
MW-26	11/1/2010	24.91	13.01	11.90
MW-26	4/11/2011	24.91	13.61	11.30
MW-26	10/3/2011	24.91	13.25	11.66
MW-26	4/2/2012	24.91	12.08	12.83
MW-26	10/1/2012	24.91	13.28	11.63
MW-26	4/1/2013	24.91	12.90	12.01
MW-26	10/7/2013	24.91	13.31	11.60
MW-26	3/28/2014	24.91	12.81	12.10
MW-26	10/1/2014	24.91	13.67	11.24
MW-26	4/1/2015	24.91	13.16	11.75

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Upper Horizon Groundwater Monitoring Wells</i>				
MW-26	10/5/2015	24.91	14.09	10.82
MW-26	4/4/2016	24.91	12.65	12.26
MW-26	10/3/2016	24.91	13.70	11.21
MW-26	4/3/2017	24.91	12.40	12.51
MW-26	10/2/2017	24.91	13.66	11.25
MW-26	4/2/2018	24.91	12.55	12.36
MW-27	2/6/2006	23.20	9.53	13.67
MW-27	5/8/2006	23.20	10.36	12.84
MW-27	8/14/2006	23.20	11.43	11.77
MW-27	11/6/2006	23.20	11.32	11.88
MW-27	2/6/2007	23.20	11.55	11.65
MW-27	2/26/2007	23.20	10.08	13.12
MW-27	4/27/2007	23.20	10.83	12.37
MW-27	5/7/2007	23.20	10.90	12.30
MW-27	8/6/2007	23.20	11.79	11.41
MW-27	11/5/2007	23.20	11.90	11.30
MW-27	2/4/2008	23.20	7.96	15.24
MW-27	5/5/2008	23.20	11.18	12.02
MW-27	8/4/2008	23.20	11.48	11.72
MW-27	11/4/2008	23.20	10.99	12.21
MW-27	2/2/2009	23.20	11.05	12.15
MW-27	5/4/2009	23.20	10.88	12.32
MW-27	8/3/2009	23.20	11.76	11.44
MW-27	11/2/2009	23.20	11.09	12.11
MW-27	2/1/2010	23.20	8.13	15.07
MW-27	5/3/2010	23.20	10.26	12.94
MW-27	8/2/2010	23.20	11.50	11.70
MW-27	11/1/2010	23.20	11.52	11.68
MW-27	4/11/2011	23.20	9.64	13.56
MW-27	10/3/2011	23.20	11.81	11.39
MW-27	4/2/2012	23.20	8.32	14.88
MW-27	10/1/2012	23.20	11.89	11.31
MW-27	4/1/2013	23.20	11.46	11.74
MW-27	10/7/2013	23.20	11.96	11.24
MW-27	3/28/2014	23.20	10.75	12.45
MW-27	10/1/2014	23.20	12.90	10.30
MW-27	4/1/2015	23.20	11.87	11.33
MW-27	10/5/2015	23.20	13.59	9.61
MW-27	4/4/2016	23.20	9.89	13.31
MW-27	10/3/2016	23.20	13.10	10.10
MW-27	4/3/2017	23.20	9.39	13.81
MW-27	10/2/2017	23.20	12.85	10.35
MW-27	4/2/2018	23.20	9.40	13.80
MW-28	5/8/2006	16.72	11.43	5.29
MW-28	8/14/2006	16.72	13.67	3.05
MW-28	11/6/2006	16.72	13.51	3.21
MW-28	2/6/2007	16.72	12.61	4.11
MW-28	2/26/2007	16.72	11.17	5.55
MW-28	4/27/2007	16.72	12.59	4.13
MW-28	5/7/2007	16.72	12.66	4.06
MW-28	8/6/2007	16.72	13.86	2.86
MW-28	11/5/2007	16.72	13.56	3.16

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Upper Horizon Groundwater Monitoring Wells</i>				
MW-28	2/4/2008	16.72	11.28	5.44
MW-28	5/5/2008	16.72	12.99	3.73
MW-28	8/4/2008	16.72	13.68	3.04
MW-28	11/4/2008	16.72	13.38	3.34
MW-28	2/2/2009	16.72	12.76	3.96
MW-28	5/4/2009	16.72	12.50	4.22
MW-28	8/3/2009	16.72	13.90	2.82
MW-28	11/2/2009	16.72	12.10	4.62
MW-28	2/1/2010	16.72	11.31	5.41
MW-28	5/3/2010	16.72	11.70	5.02
MW-28	8/2/2010	16.72	13.79	2.93
MW-28	11/1/2010	16.72	13.36	3.36
MW-28	4/11/2011	16.72	11.57	5.15
MW-28	10/3/2011	16.72	12.85	3.87
MW-28	4/2/2012	16.72	11.38	5.34
MW-28	10/1/2012	16.72	12.85	3.87
MW-28	4/1/2013	16.72	13.15	3.57
MW-28	10/7/2013	16.72	14.10	2.62
MW-28	3/28/2014	16.72	12.30	4.42
MW-28	10/1/2014	16.72	14.08	2.64
MW-28	4/1/2015	16.72	13.79	2.93
MW-28	10/5/2015	16.72	14.14	2.58
MW-28	4/4/2016	16.72	12.07	4.65
MW-28	10/3/2016	16.72	14.22	2.50
MW-28	4/3/2017	16.72	12.18	4.54
MW-28	10/2/2017	16.72	14.18	2.54
MW-28	4/2/2018	16.72	11.57	5.15
MW-29	5/8/2006	13.46	7.65	5.81
MW-29	8/14/2006	13.46	10.24	3.22
MW-29	11/6/2006	13.46	10.20	3.26
MW-29	2/6/2007	13.46	8.99	4.47
MW-29	2/26/2007	13.46	7.24	6.22
MW-29	4/27/2007	13.46	8.96	4.50
MW-29	5/7/2007	13.46	9.05	4.41
MW-29	8/6/2007	13.46	10.42	3.04
MW-29	11/5/2007	13.46	10.08	3.38
MW-29	2/4/2008	13.46	7.41	6.05
MW-29	5/5/2008	13.46	9.52	3.94
MW-29	8/4/2008	13.46	10.32	3.14
MW-29	11/4/2008	13.46	10.30	3.16
MW-29	2/2/2009	13.46	9.12	4.34
MW-29	5/4/2009	13.46	8.93	4.53
MW-29	8/3/2009	13.46	10.42	3.04
MW-29	11/2/2009	13.46	8.40	5.06
MW-29	2/1/2010	13.46	7.28	6.18
MW-29	5/3/2010	13.46	7.65	5.81
MW-29	8/2/2010	13.46	10.26	3.20
MW-29	11/1/2010	13.46	9.98	3.48
MW-29	4/11/2011	13.46	7.61	5.85
MW-29	10/3/2011	13.46	9.44	4.02
MW-29	4/2/2012	13.46	7.32	6.14
MW-29	10/1/2012	13.46	9.50	3.96

Table 2
Groundwater Elevation Data
 Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Upper Horizon Groundwater Monitoring Wells</i>				
MW-29	4/1/2013	13.46	9.80	3.66
MW-29	10/7/2013	13.46	10.63	2.83
MW-29	3/28/2014	13.46	8.70	4.76
MW-29	10/1/2014	13.46	10.55	2.91
MW-29	4/1/2015	13.46	10.34	3.12
MW-29	10/5/2015	13.46	10.54	2.92
MW-29	4/4/2016	13.46	8.39	5.07
MW-29	10/3/2016	13.46	10.70	2.76
MW-29	4/3/2017	13.46	8.61	4.85
MW-29	10/2/2017	13.46	10.67	2.79
MW-29	4/2/2018	13.46	7.82	5.64
MW-3	3/17/2003	15.36	12.85	2.51
MW-3	7/30/2003	15.36	12.45	2.91
MW-3	8/25/2003	15.36	12.91	2.45
MW-3	10/22/2003	15.36	13.30	2.06
MW-3	1/27/2004	15.36	11.68	3.68
MW-3	4/13/2004	15.36	12.53	2.83
MW-3	7/19/2004	15.36	12.80	2.56
MW-3	10/11/2004	15.36	13.29	2.07
MW-3	2/7/2005	15.36	12.93	2.43
MW-3	6/6/2005	15.36	9.93	5.43
MW-3	11/7/2005	15.36	13.23	2.13
MW-3	2/6/2006	15.42	10.72	4.70
MW-3	5/8/2006	15.42	10.77	4.65
MW-3	8/14/2006	15.42	12.69	2.73
MW-3	11/6/2006	15.42	12.92	2.50
MW-3	2/6/2007	15.42	11.84	3.58
MW-3	2/26/2007	15.42	10.65	4.77
MW-3	4/27/2007	15.42	11.95	3.47
MW-3	5/7/2007	15.42	12.02	3.40
MW-3	8/6/2007	15.42	12.89	2.53
MW-3	11/5/2007	15.42	13.10	2.32
MW-3	2/4/2008	15.42	10.83	4.59
MW-3	5/5/2008	15.42	12.33	3.09
MW-3	8/4/2008	15.42	12.47	2.95
MW-3	11/4/2008	15.42	12.66	2.76
MW-3	2/2/2009	15.42	12.12	3.30
MW-3	5/4/2009	15.42	11.99	3.43
MW-3	8/3/2009	15.42	12.96	2.46
MW-3	11/2/2009	15.42	11.61	3.81
MW-3	2/1/2010	15.42	10.56	4.86
MW-3	5/3/2010	15.42	11.04	4.38
MW-3	8/2/2010	15.42	12.96	2.46
MW-3	11/1/2010	15.42	13.26	2.16
MW-3	4/11/2011	15.42	NM	--
MW-3	10/3/2011	15.42	12.26	3.16
MW-3	4/2/2012	15.42	11.02	4.40
MW-3	10/1/2012	15.42	12.42	3.00
MW-3	4/1/2013	15.42	12.57	2.85
MW-3	10/7/2013	15.42	13.25	2.17
MW-3	3/28/2014	15.42	11.59	3.83
MW-3	10/1/2014	15.42	13.01	2.41

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Upper Horizon Groundwater Monitoring Wells</i>				
MW-3	4/1/2015	15.42	12.99	2.43
MW-3	10/5/2015	15.42	13.80	1.62
MW-3	4/4/2016	15.42	11.32	4.10
MW-3	10/3/2016	15.42	13.13	2.29
MW-3	4/3/2017	15.42	11.34	4.08
MW-3	10/2/2017	15.42	13.17	2.25
MW-3	4/2/2018	15.42	10.91	4.51
MW-30	5/8/2006	13.71	3.70	10.01
MW-30	8/14/2006	13.71	4.36	9.35
MW-30	11/6/2006	13.71	NM	--
MW-30	2/6/2007	13.71	4.94	8.77
MW-30	2/26/2007	13.71	3.10	10.61
MW-30	4/27/2007	13.71	3.48	10.23
MW-30	5/7/2007	13.71	3.57	10.14
MW-30	8/6/2007	13.71	4.87	8.84
MW-30	11/5/2007	13.71	5.12	8.59
MW-30	2/4/2008	13.71	2.38	11.33
MW-30	5/5/2008	13.71	4.12	9.59
MW-30	8/4/2008	13.71	5.14	8.57
MW-30	11/4/2008	13.71	4.70	9.01
MW-30	2/2/2009	13.71	4.92	8.79
MW-30	5/4/2009	13.71	4.23	9.48
MW-30	8/3/2009	13.71	4.87	8.84
MW-30	11/2/2009	13.71	4.10	9.61
MW-30	2/1/2010	13.71	2.91	10.80
MW-30	5/3/2010	13.71	3.76	9.95
MW-30	8/2/2010	13.71	4.77	8.94
MW-30	11/1/2010	13.71	4.67	9.04
MW-30	4/11/2011	13.71	3.50	10.21
MW-30	10/3/2011	13.71	4.90	8.81
MW-30	4/2/2012	13.71	3.11	10.60
MW-30	10/1/2012	13.71	8.51	5.20
MW-30	4/1/2013	13.71	4.79	8.92
MW-30	10/7/2013	13.71	5.66	8.05
MW-30	3/28/2014	13.71	4.22	9.49
MW-30	10/1/2014	13.71	6.93	6.78
MW-30	4/1/2015	13.71	5.65	8.06
MW-30	10/5/2015	13.71	8.14	5.57
MW-30	4/4/2016	13.71	4.08	9.63
MW-30	10/3/2016	13.71	7.40	6.31
MW-30	4/3/2017	13.71	3.47	10.24
MW-30	10/2/2017	13.71	7.12	6.59
MW-30	4/2/2018	13.71	4.19	9.52
MW-31	5/8/2006	14.50	4.30	10.20
MW-31	8/14/2006	14.50	4.89	9.61
MW-31	11/6/2006	14.50	4.65	9.85
MW-31	2/6/2007	14.50	5.25	9.25
MW-31	2/26/2007	14.50	3.87	10.63
MW-31	4/27/2007	14.50	4.39	10.11
MW-31	5/7/2007	14.50	4.43	10.07
MW-31	8/6/2007	14.50	5.44	9.06
MW-31	11/5/2007	14.50	5.73	8.77

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Upper Horizon Groundwater Monitoring Wells</i>				
MW-31	2/4/2008	14.50	2.77	11.73
MW-31	5/5/2008	14.50	4.60	9.90
MW-31	8/4/2008	14.50	5.61	8.89
MW-31	11/4/2008	14.50	5.18	9.32
MW-31	2/2/2009	14.50	5.44	9.06
MW-31	5/4/2009	14.50	4.78	9.72
MW-31	8/3/2009	14.50	5.61	8.89
MW-31	11/2/2009	14.50	4.70	9.80
MW-31	2/1/2010	14.50	3.54	10.96
MW-31	5/3/2010	14.50	4.37	10.13
MW-31	8/2/2010	14.50	5.34	9.16
MW-31	11/1/2010	14.50	5.30	9.20
MW-31	4/11/2011	14.50	4.05	10.45
MW-31	10/3/2011	14.50	5.65	8.85
MW-31	4/2/2012	14.50	3.71	10.79
MW-31	10/1/2012	14.50	6.25	8.25
MW-31	4/1/2013	14.50	5.31	9.19
MW-31	10/7/2013	14.50	6.56	7.94
MW-31	3/28/2014	14.50	4.71	9.79
MW-31	10/1/2014	14.50	7.63	6.87
MW-31	4/1/2015	14.50	6.12	8.38
MW-31	10/5/2015	14.50	8.53	5.97
MW-31	4/4/2016	14.50	4.68	9.82
MW-31	10/3/2016	14.50	8.19	6.31
MW-31	4/3/2017	14.50	3.83	10.67
MW-31	10/2/2017	14.50	8.17	6.33
MW-31	4/2/2018	14.50	4.35	10.15
MW-32A	8/4/2008	16.98	13.15	3.83
MW-32A	11/4/2008	16.98	13.16	3.82
MW-32A	2/2/2009	16.98	13.09	3.89
MW-32A	5/4/2009	16.98	12.57	4.41
MW-32A	8/3/2009	16.98	13.34	3.64
MW-32A	11/2/2009	16.98	12.66	4.32
MW-32A	2/1/2010	16.98	11.05	5.93
MW-32A	5/3/2010	16.98	11.97	5.01
MW-32A	8/2/2010	16.98	13.18	3.80
MW-32A	11/1/2010	16.98	13.43	3.55
MW-32A	4/11/2011	16.98	11.66	5.32
MW-32A	10/3/2011	16.98	13.45	3.53
MW-32A	4/2/2012	16.98	11.43	5.55
MW-32A	10/1/2012	16.98	12.75	4.23
MW-32A	4/1/2013	16.98	12.76	4.22
MW-32A	10/7/2013	16.98	13.58	3.40
MW-32A	3/28/2014	16.98	12.36	4.62
MW-32A	10/1/2014	16.98	13.51	3.47
MW-32A	4/1/2015	16.98	12.78	4.20
MW-32A	10/5/2015	16.98	13.71	3.27
MW-32A	4/4/2016	16.98	12.00	4.98
MW-32A	10/3/2016	16.98	13.70	3.28
MW-32A	4/3/2017	16.98	11.80	5.18
MW-32A	10/2/2017	16.98	13.37	3.61
MW-32A	4/2/2018	16.98	11.79	5.19

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Upper Horizon Groundwater Monitoring Wells</i>				
MW-33	11/2/2009	15.13	5.34	9.79
MW-33	2/1/2010	15.13	4.14	10.99
MW-33	5/3/2010	15.13	4.98	10.15
MW-33	8/2/2010	15.13	6.02	9.11
MW-33	11/1/2010	15.13	5.96	9.17
MW-33	4/11/2011	15.13	4.45	10.68
MW-33	10/3/2011	15.13	6.31	8.82
MW-33	4/2/2012	15.13	4.29	10.84
MW-33	10/1/2012	15.13	7.80	7.33
MW-33	4/1/2013	15.13	6.01	9.12
MW-33	10/7/2013	15.13	7.00	8.13
MW-33	3/28/2014	15.13	5.50	9.63
MW-33	10/1/2014	15.13	8.22	6.91
MW-33	4/1/2015	15.13	6.87	8.26
MW-33	10/5/2015	15.13	9.28	5.85
MW-33	4/4/2016	15.13	5.47	9.66
MW-33	10/3/2016	15.13	8.65	6.48
MW-33	4/3/2017	15.13	4.61	10.52
MW-33	10/2/2017	15.13	8.54	6.59
MW-33	4/2/2018	15.13	5.15	9.98
MW-34	3/28/2014	7.18	2.98	4.20
MW-34	10/1/2014	7.18	3.90	3.28
MW-34	12/5/2014	7.18	2.68	4.50
MW-34	4/1/2015	7.18	3.60	3.58
MW-34	10/5/2015	7.18	3.84	3.34
MW-34	4/4/2016	7.18	2.79	4.39
MW-34	10/3/2016	7.18	4.05	3.13
MW-34	4/3/2017	7.18	2.42	4.76
MW-34	10/2/2017	7.18	4.18	3.00
MW-34	4/2/2018	7.18	2.61	4.57
MW-36	3/28/2014	6.78	2.79	3.99
MW-36	10/1/2014	6.78	3.50	3.28
MW-36	12/4/2014	6.78	2.40	4.38
MW-36	4/1/2015	6.78	3.37	3.41
MW-36	10/5/2015	6.78	3.42	3.36
MW-36	4/4/2016	6.78	2.76	4.02
MW-36	10/3/2016	6.78	3.66	3.12
MW-36	4/3/2017	6.78	2.39	4.39
MW-36	10/2/2017	6.78	3.93	2.85
MW-36	4/2/2018	6.78	2.44	4.34
MW-4	3/19/2003	13.17	10.80	2.37
MW-4	7/30/2003	13.17	10.32	2.85
MW-4	7/30/2003	13.17	10.35	2.82
MW-4	8/25/2003	13.17	10.82	2.35
MW-4	10/22/2003	13.17	11.20	1.97
MW-4	1/27/2004	13.17	9.57	3.60
MW-4	4/13/2004	13.17	10.42	2.75
MW-4	7/19/2004	13.17	10.21	2.96
MW-4	10/11/2004	13.17	11.16	2.01
MW-4	2/7/2005	13.17	10.77	2.40
MW-4	6/6/2005	13.17	12.02	1.15
MW-4	11/7/2005	13.17	11.12	2.05

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Upper Horizon Groundwater Monitoring Wells</i>				
MW-4	2/6/2006	13.25	8.69	4.56
MW-4	5/8/2006	13.25	8.70	4.55
MW-4	8/14/2006	13.25	10.59	2.66
MW-4	11/6/2006	13.25	10.74	2.51
MW-4	2/6/2007	13.25	9.81	3.44
MW-4	2/26/2007	13.25	9.70	3.55
MW-4	4/27/2007	13.25	9.92	3.33
MW-4	5/7/2007	13.25	9.98	3.27
MW-4	8/6/2007	13.25	10.82	2.43
MW-4	11/5/2007	13.25	10.93	2.32
MW-4	2/4/2008	13.25	8.84	4.41
MW-4	5/5/2008	13.25	10.30	2.95
MW-4	8/4/2008	13.25	10.37	2.88
MW-4	11/4/2008	13.25	10.56	2.69
MW-4	2/2/2009	13.25	10.12	3.13
MW-4	5/4/2009	13.25	9.99	3.26
MW-4	8/3/2009	13.25	10.87	2.38
MW-4	11/2/2009	13.25	9.57	3.68
MW-4	2/1/2010	13.25	8.61	4.64
MW-4	5/3/2010	13.25	9.13	4.12
MW-4	8/2/2010	13.25	10.96	2.29
MW-4	11/1/2010	13.25	11.02	2.23
MW-4	4/11/2011	13.25	9.60	3.65
MW-4	10/3/2011	13.25	10.29	2.96
MW-4	4/2/2012	13.25	9.22	4.03
MW-4	10/1/2012	13.25	10.46	2.79
MW-4	4/1/2013	13.25	10.60	2.65
MW-4	10/7/2013	13.25	11.19	2.06
MW-4	3/28/2014	13.25	9.72	3.53
MW-4	10/1/2014	13.25	10.98	2.27
MW-4	4/1/2015	13.25	11.09	2.16
MW-4	10/5/2015	13.25	10.68	2.57
MW-4	4/4/2016	13.25	9.76	3.49
MW-4	10/3/2016	13.25	11.50	1.75
MW-4	4/3/2017	13.25	9.63	3.62
MW-4	10/2/2017	13.25	11.14	2.11
MW-4	4/2/2018	13.25	9.25	4.00
MW-40	3/28/2014	7.33	3.21	4.12
MW-40	10/1/2014	7.33	4.00	3.33
MW-40	12/4/2014	7.33	2.81	4.52
MW-40	4/1/2015	7.33	3.80	3.53
MW-40	10/5/2015	7.33	4.00	3.33
MW-40	4/4/2016	7.33	2.99	4.34
MW-40	10/3/2016	7.33	4.46	2.87
MW-40	4/3/2017	7.33	2.67	4.66
MW-40	10/2/2017	7.33	4.36	2.97
MW-40	4/2/2018	7.33	2.82	4.51
MW-41	3/28/2014	7.51	3.36	4.15
MW-41	6/3/2014	7.51	3.59	3.92
MW-41	10/1/2014	7.51	4.11	3.40
MW-41	12/5/2014	7.51	2.55	4.96
MW-41	4/1/2015	7.51	3.73	3.78

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Upper Horizon Groundwater Monitoring Wells</i>				
MW-41	10/5/2015	7.51	4.28	3.23
MW-41	4/4/2016	7.51	2.98	4.53
MW-41	10/3/2016	7.51	4.23	3.28
MW-41	4/3/2017	7.51	2.43	5.08
MW-41	10/2/2017	7.51	4.34	3.17
MW-41	4/2/2018	7.51	2.86	4.65
MW-42	3/28/2014	10.99	6.76	4.23
MW-42	6/3/2014	10.99	7.11	3.88
MW-42	10/1/2014	10.99	7.63	3.36
MW-42	12/5/2014	10.99	5.99	5.00
MW-42	4/1/2015	10.99	7.32	3.67
MW-42	10/5/2015	10.99	7.64	3.35
MW-42	4/4/2016	10.99	6.45	4.54
MW-42	10/3/2016	10.99	7.81	3.18
MW-42	4/3/2017	10.99	5.96	5.03
MW-42	10/2/2017	10.99	7.70	3.29
MW-42	4/2/2018	10.99	6.23	4.76
MW-43	3/28/2014	8.32	4.20	4.12
MW-43	6/3/2014	8.32	4.50	3.82
MW-43	10/1/2014	8.32	5.09	3.23
MW-43	12/5/2014	8.32	3.93	4.39
MW-43	4/1/2015	8.32	4.77	3.55
MW-43	10/5/2015	8.32	5.22	3.10
MW-43	4/4/2016	8.32	3.97	4.35
MW-43	10/3/2016	8.32	4.80	3.52
MW-43	4/3/2017	8.32	2.44	5.88
MW-43	10/2/2017	8.32	5.18	3.14
MW-43	4/2/2018	8.32	3.92	4.40
MW-44	3/28/2014	9.11	4.66	4.45
MW-44	6/3/2014	9.11	5.05	4.06
MW-44	10/1/2014	9.11	5.61	3.50
MW-44	12/5/2014	9.11	4.28	4.83
MW-44	4/1/2015	9.11	5.20	3.91
MW-44	10/5/2015	9.11	5.75	3.36
MW-44	4/4/2016	9.11	4.35	4.76
MW-44	10/3/2016	9.11	5.79	3.32
MW-44	4/3/2017	9.11	3.90	5.21
MW-44	10/2/2017	9.11	5.78	3.33
MW-44	4/2/2018	9.11	4.17	4.94
MW-45	3/28/2014	7.45	3.57	3.88
MW-45	6/3/2014	7.45	3.90	3.55
MW-45	10/1/2014	7.45	4.29	3.16
MW-45	12/4/2014	7.45	2.78	4.67
MW-45	4/1/2015	7.45	4.10	3.35
MW-45	10/5/2015	7.45	4.33	3.12
MW-45	4/4/2016	7.45	3.43	4.02
MW-45	10/3/2016	7.45	4.48	2.97
MW-45	4/3/2017	7.45	3.41	4.04
MW-45	10/2/2017	7.45	4.57	2.88
MW-45	4/2/2018	7.45	3.47	3.98
MW-46	3/28/2014	5.66	1.86	3.80
MW-46	6/3/2014	5.66	2.13	3.53

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Upper Horizon Groundwater Monitoring Wells</i>				
MW-46	10/1/2014	5.66	2.40	3.26
MW-46	12/5/2014	5.66	1.76	3.90
MW-46	4/1/2015	5.66	2.32	3.34
MW-46	10/5/2015	5.66	2.54	3.12
MW-46	4/4/2016	5.66	1.65	4.01
MW-46	10/3/2016	5.66	2.63	3.03
MW-46	4/3/2017	5.66	1.30	4.36
MW-46	10/2/2017	5.66	2.75	2.91
MW-46	4/2/2018	5.66	1.47	4.19
MW-5	3/19/2003	10.59	7.32	3.27
MW-5	7/30/2003	10.59	7.71	2.88
MW-5	7/30/2003	10.59	7.75	2.84
MW-5	8/25/2003	10.59	8.19	2.40
MW-5	10/22/2003	10.59	8.57	2.02
MW-5	1/27/2004	10.59	6.98	3.61
MW-5	4/13/2004	10.59	7.84	2.75
MW-5	7/19/2004	10.59	8.10	2.49
MW-5	10/11/2004	10.59	8.55	2.04
MW-5	2/7/2005	10.59	8.08	2.51
MW-5	6/6/2005	10.59	7.31	3.28
MW-5	11/7/2005	10.59	8.53	2.06
MW-5	2/6/2006	10.68	6.10	4.58
MW-5	5/8/2006	10.68	6.11	4.57
MW-5	8/14/2006	10.57	7.98	2.59
MW-5	11/6/2006	10.57	8.14	2.43
MW-5	2/6/2007	10.57	7.24	3.33
MW-5	2/26/2007	10.57	6.17	4.40
MW-5	4/27/2007	10.57	7.34	3.23
MW-5	5/7/2007	10.57	7.39	3.18
MW-5	8/6/2007	10.57	8.23	2.34
MW-5	11/5/2007	10.57	8.32	2.25
MW-5	2/4/2008	10.57	6.22	4.35
MW-5	5/5/2008	10.57	7.71	2.86
MW-5	8/4/2008	10.57	7.82	2.75
MW-5	11/4/2008	10.57	8.00	2.57
MW-5	2/2/2009	10.57	7.54	3.03
MW-5	5/4/2009	10.57	7.39	3.18
MW-5	8/3/2009	10.57	8.29	2.28
MW-5	11/2/2009	10.57	6.97	3.60
MW-5	2/1/2010	10.57	6.03	4.54
MW-5	5/3/2010	10.57	6.52	4.05
MW-5	8/2/2010	10.57	8.36	2.21
MW-5	11/1/2010	10.57	8.43	2.14
MW-5	4/11/2011	10.57	7.00	3.57
MW-5	10/3/2011	10.57	7.67	2.90
MW-5	4/2/2012	10.57	6.63	3.94
MW-5	10/1/2012	10.57	7.83	2.74
MW-5	4/1/2013	10.57	8.02	2.55
MW-5	10/7/2013	10.57	8.65	1.92
MW-5	3/28/2014	10.57	7.21	3.36
MW-5	10/1/2014	10.57	8.38	2.19
MW-5	4/1/2015	10.57	8.53	2.04

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Upper Horizon Groundwater Monitoring Wells</i>				
MW-5	10/5/2015	10.57	8.16	2.41
MW-5	4/4/2016	10.57	7.18	3.39
MW-5	10/3/2016	10.57	8.51	2.06
MW-5	4/3/2017	10.57	7.08	3.49
MW-5	10/2/2017	10.57	8.69	1.88
MW-5	4/2/2018	10.57	6.65	3.92
MW-6	3/17/2003	13.90	10.54	3.36
MW-6	7/30/2003	13.90	10.97	2.93
MW-6	7/30/2003	13.90	10.98	2.92
MW-6	8/25/2003	13.90	11.45	2.45
MW-6	10/22/2003	13.90	11.81	2.09
MW-6	1/27/2004	13.90	10.18	3.72
MW-6	4/13/2004	13.90	11.00	2.90
MW-6	7/19/2004	13.90	11.32	2.58
MW-6	10/11/2004	13.90	11.76	2.14
MW-6	2/7/2005	13.90	11.30	2.60
MW-6	6/6/2005	13.90	10.54	3.36
MW-6	11/7/2005	13.90	11.80	2.10
MW-6	2/6/2006	13.97	9.20	4.77
MW-6	5/8/2006	13.97	9.35	4.62
MW-6	8/14/2006	13.97	11.17	2.80
MW-6	11/6/2006	13.97	11.45	2.52
MW-6	2/6/2007	13.97	10.42	3.55
MW-6	2/26/2007	13.97	9.20	4.77
MW-6	4/27/2007	13.97	10.50	3.47
MW-6	5/7/2007	13.97	10.57	3.40
MW-6	8/6/2007	13.97	11.47	2.50
MW-6	11/5/2007	13.97	11.52	2.45
MW-6	2/4/2008	13.97	9.35	4.62
MW-6	5/5/2008	13.97	10.89	3.08
MW-6	8/4/2008	13.97	10.99	2.98
MW-6	11/4/2008	13.97	11.26	2.71
MW-6	2/2/2009	13.97	10.66	3.31
MW-6	5/4/2009	13.97	10.54	3.43
MW-6	8/3/2009	13.97	11.50	2.47
MW-6	11/2/2009	13.97	10.12	3.85
MW-6	2/1/2010	13.97	9.16	4.81
MW-6	5/3/2010	13.97	9.62	4.35
MW-6	8/2/2010	13.97	11.51	2.46
MW-6	11/1/2010	13.97	11.63	2.34
MW-6	4/11/2011	13.97	10.02	3.95
MW-6	10/3/2011	13.97	10.82	3.15
MW-6	4/2/2012	13.97	9.58	4.39
MW-6	10/1/2012	13.97	10.97	3.00
MW-6	4/1/2013	13.97	11.17	2.80
MW-6	10/7/2013	13.97	11.86	2.11
MW-6	3/28/2014	13.97	10.20	3.77
MW-6	10/1/2014	13.97	11.56	2.41
MW-6	4/1/2015	13.97	11.54	2.43
MW-6	10/5/2015	13.97	11.38	2.59
MW-6	4/4/2016	13.97	10.11	3.86
MW-6	10/3/2016	13.97	11.74	2.23

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Upper Horizon Groundwater Monitoring Wells</i>				
MW-6	4/3/2017	13.97	9.80	4.17
MW-6	10/2/2017	13.97	11.71	2.26
MW-6	4/2/2018	13.97	9.51	4.46
MW-7	3/17/2003	15.80	10.13	5.67
MW-7	7/30/2003	15.80	12.95	2.85
MW-7	7/30/2003	15.80	13.00	2.80
MW-7	8/25/2003	15.80	13.47	2.33
MW-7	10/22/2003	15.80	13.83	1.97
MW-7	1/27/2004	15.80	12.22	3.58
MW-7	4/13/2004	15.80	13.05	2.75
MW-7	7/19/2004	15.80	13.24	2.56
MW-7	10/11/2004	15.80	13.79	2.01
MW-7	2/7/2005	15.80	13.80	2.00
MW-7	6/6/2005	15.80	12.90	2.90
MW-7	11/7/2005	15.80	14.11	1.69
MW-7	2/6/2006	16.21	11.66	4.55
MW-7	5/8/2006	16.21	11.68	4.53
MW-7	8/14/2006	16.21	13.56	2.65
MW-7	11/6/2006	16.21	13.73	2.48
MW-7	2/6/2007	16.21	12.80	3.41
MW-7	2/26/2007	16.21	11.70	4.51
MW-7	4/27/2007	16.21	12.91	3.30
MW-7	5/7/2007	16.21	12.97	3.24
MW-7	8/6/2007	16.21	13.80	2.41
MW-7	11/5/2007	16.21	13.95	2.26
MW-7	2/4/2008	16.21	11.84	4.37
MW-7	5/5/2008	16.21	13.24	2.97
MW-7	8/4/2008	16.21	13.37	2.84
MW-7	11/4/2008	16.21	13.55	2.66
MW-7	2/2/2009	16.21	13.10	3.11
MW-7	5/4/2009	16.21	12.97	3.24
MW-7	8/3/2009	16.21	13.89	2.32
MW-7	11/2/2009	16.21	12.85	3.36
MW-7	2/1/2010	16.21	11.60	4.61
MW-7	5/3/2010	16.21	12.10	4.11
MW-7	8/2/2010	16.21	13.95	2.26
MW-7	11/1/2010	16.21	10.92	5.29
MW-7	4/11/2011	16.21	12.48	3.73
MW-7	10/3/2011	16.21	13.21	3.00
MW-7	4/2/2012	16.21	12.13	4.08
MW-7	10/1/2012	16.21	13.36	2.85
MW-7	4/1/2013	16.21	12.50	3.71
MW-7	10/7/2013	16.21	14.10	2.11
MW-7	3/28/2014	16.21	12.62	3.59
MW-7	10/1/2014	16.21	13.88	2.33
MW-7	4/1/2015	16.21	13.98	2.23
MW-7	10/5/2015	16.21	13.61	2.60
MW-7	4/4/2016	16.21	12.60	3.61
MW-7	10/3/2016	16.21	13.99	2.22
MW-7	4/3/2017	16.21	12.55	3.66
MW-7	10/2/2017	16.21	14.07	2.14
MW-7	4/2/2018	16.16	12.04	4.12

Table 2**Groundwater Elevation Data**

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Upper Horizon Groundwater Monitoring Wells</i>				
MW-8	3/18/2003	14.24	10.75	3.49
MW-8	7/30/2003	14.24	11.02	3.22
MW-8	7/30/2003	14.24	13.92	0.32
MW-8	8/25/2003	14.24	11.38	2.86
MW-8	10/22/2003	14.24	11.60	2.64
MW-8	1/27/2004	14.24	10.27	3.97
MW-8	4/13/2004	14.24	11.03	3.21
MW-8	7/19/2004	14.24	11.34	2.90
MW-8	10/11/2004	14.24	11.55	2.69
MW-8	2/7/2005	14.24	12.27	1.97
MW-8	6/6/2005	14.24	10.68	3.56
MW-8	11/7/2005	14.24	11.65	2.59
MW-8	2/6/2006	14.82	9.17	5.65
MW-8	5/8/2006	14.82	9.18	5.64
MW-8	8/14/2006	14.82	11.31	3.51
MW-8	11/6/2006	14.82	11.36	3.46
MW-8	2/6/2007	14.82	10.44	4.38
MW-8	2/26/2007	14.82	9.01	5.81
MW-8	4/27/2007	14.82	10.61	4.21
MW-8	5/7/2007	14.82	10.51	4.31
MW-8	8/6/2007	14.82	11.49	3.33
MW-8	11/5/2007	14.82	11.29	3.53
MW-8	2/4/2008	14.82	9.22	5.60
MW-8	5/5/2008	14.82	10.88	3.94
MW-8	8/4/2008	14.82	11.31	3.51
MW-8	11/4/2008	14.82	11.28	3.54
MW-8	2/2/2009	14.82	10.66	4.16
MW-8	5/4/2009	14.82	10.49	4.33
MW-8	8/3/2009	14.82	11.49	3.33
MW-8	11/2/2009	14.82	10.00	4.82
MW-8	2/1/2010	14.82	9.07	5.75
MW-8	5/3/2010	14.82	10.50	4.32
MW-8	8/2/2010	14.82	11.41	3.41
MW-8	11/1/2010	14.82	11.29	3.53
MW-8	4/11/2011	14.82	9.73	5.09
MW-8	10/3/2011	14.82	10.82	4.00
MW-8	4/2/2012	14.82	9.36	5.46
MW-8	10/1/2012	14.82	10.94	3.88
MW-8	4/1/2013	14.82	11.13	3.69
MW-8	10/7/2013	14.82	11.65	3.17
MW-8	3/28/2014	14.82	10.22	4.60
MW-8	10/1/2014	14.82	11.60	3.22
MW-8	4/1/2015	14.82	11.52	3.30
MW-8	10/5/2015	14.82	11.71	3.11

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Upper Horizon Groundwater Monitoring Wells</i>				
MW-8	4/4/2016	14.82	10.04	4.78
MW-8	10/3/2016	14.82	11.71	3.11
MW-8	4/3/2017	14.82	10.10	4.72
MW-8	10/2/2017	14.82	11.68	3.14
MW-8	4/2/2018	14.82	9.42	5.40
MW-9	3/19/2003	14.66	10.78	3.88
MW-9	7/30/2003	14.66	11.25	3.41
MW-9	7/30/2003	14.66	14.18	0.48
MW-9	8/25/2003	14.66	11.67	2.99
MW-9	10/22/2003	14.66	11.95	2.71
MW-9	1/27/2004	14.66	10.53	4.13
MW-9	4/13/2004	14.66	11.30	3.36
MW-9	7/19/2004	14.66	11.58	3.08
MW-9	10/11/2004	14.66	11.90	2.76
MW-9	2/7/2005	14.66	NM	--
MW-9	6/6/2005	14.66	NM	--
MW-9	11/7/2005	14.66	12.26	2.40
MW-9	2/6/2006	14.32	9.00	5.32
MW-9	5/8/2006	14.32	9.40	4.92
MW-9	8/14/2006	14.32	11.70	2.62
MW-9	11/6/2006	14.32	11.57	2.75
MW-9	2/6/2007	14.32	10.61	3.71
MW-9	2/26/2007	14.32	9.10	5.22
MW-9	4/27/2007	14.32	10.45	3.87
MW-9	5/7/2007	14.32	10.68	3.64
MW-9	11/5/2007	14.32	11.54	2.78
MW-9	2/4/2008	14.32	9.25	5.07
MW-9	5/5/2008	14.32	11.12	3.20
MW-9	8/4/2008	14.32	11.76	2.56
MW-9	11/4/2008	14.32	11.32	3.00
MW-9	2/2/2009	14.32	10.81	3.51
MW-9	5/4/2009	14.32	10.59	3.73
MW-9	11/2/2009	14.32	10.10	4.22
MW-9	2/1/2010	14.32	9.15	5.17
MW-9	5/3/2010	14.32	9.56	4.76
MW-9	8/2/2010	14.32	11.76	2.56
MW-9	11/1/2010	14.32	11.40	2.92
MW-9	4/11/2011	14.32	9.51	4.81
MW-9	10/3/2011	14.32	10.91	3.41
MW-9	4/2/2012	14.32	9.26	5.06
MW-9	10/1/2012	14.32	10.94	3.38
MW-9	4/1/2013	14.32	11.22	3.10
MW-9	10/7/2013	14.32	12.15	2.17
MW-9	3/28/2014	14.32	10.21	4.11
MW-9	10/1/2014	14.32	12.02	2.30
MW-9	4/1/2015	14.32	11.78	2.54
MW-9	10/5/2015	14.32	11.47	2.85
MW-9	4/4/2016	14.32	10.01	4.31
MW-9	10/3/2016	14.32	12.20	2.12
MW-9	4/3/2017	14.32	10.06	4.26
MW-9	10/2/2017	14.32	12.20	2.12
MW-9	4/2/2018	14.32	9.32	5.00

Table 2
Groundwater Elevation Data
 Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Lower Horizon Groundwater Monitoring Wells</i>				
MW-10B	3/19/2003	10.04	7.64	2.40
MW-10B	7/30/2003	10.04	6.60	3.44
MW-10B	7/30/2003	10.04	6.66	3.38
MW-10B	8/25/2003	10.04	7.02	3.02
MW-10B	10/22/2003	10.04	7.67	2.37
MW-10B	1/27/2004	10.04	6.35	3.69
MW-10B	4/13/2004	10.04	6.72	3.32
MW-10B	7/19/2004	10.04	6.97	3.07
MW-10B	10/11/2004	10.04	7.30	2.74
MW-10B	2/7/2005	10.04	7.41	2.63
MW-10B	6/6/2005	10.04	6.56	3.48
MW-10B	11/7/2005	10.04	7.26	2.78
MW-10B	2/6/2006	10.14	5.50	4.64
MW-10B	5/8/2006	10.14	5.69	4.45
MW-10B	8/14/2006	9.88	7.02	2.86
MW-10B	11/6/2006	9.88	6.90	2.98
MW-10B	2/6/2007	9.88	6.58	3.30
MW-10B	2/26/2007	9.88	5.62	4.26
MW-10B	4/27/2007	9.88	6.64	3.24
MW-10B	5/7/2007	9.88	6.67	3.21
MW-10B	8/6/2007	9.88	7.27	2.61
MW-10B	11/5/2007	9.88	7.28	2.60
MW-10B	2/4/2008	9.88	5.45	4.43
MW-10B	5/5/2008	9.88	6.69	3.19
MW-10B	8/4/2008	9.88	7.03	2.85
MW-10B	11/4/2008	9.88	7.04	2.84
MW-10B	2/2/2009	9.88	6.82	3.06
MW-10B	5/4/2009	9.88	6.50	3.38
MW-10B	8/3/2009	9.88	7.22	2.66
MW-10B	11/2/2009	9.88	6.32	3.56
MW-10B	2/1/2010	9.88	5.13	4.75
MW-10B	5/3/2010	9.88	5.88	4.00
MW-10B	8/2/2010	9.88	7.21	2.67
MW-10B	11/1/2010	9.88	7.11	2.77
MW-10B	4/11/2011	9.88	5.42	4.46
MW-10B	10/3/2011	9.88	6.41	3.47
MW-10B	4/2/2012	9.88	5.13	4.75
MW-10B	10/1/2012	9.88	6.38	3.50
MW-10B	4/1/2013	9.88	6.69	3.19
MW-10B	10/7/2013	9.88	7.46	2.42
MW-10B	3/28/2014	9.88	6.12	3.76
MW-10B	10/1/2014	9.88	7.50	2.38
MW-10B	4/1/2015	9.88	7.26	2.62
MW-10B	10/5/2015	9.88	7.50	2.38
MW-10B	4/4/2016	9.88	6.02	3.86
MW-10B	10/3/2016	9.88	7.58	2.30
MW-10B	4/3/2017	9.88	5.87	4.01
MW-10B	10/2/2017	9.88	7.63	2.25
MW-10B	4/2/2018	9.88	5.54	4.34
MW-11B	3/20/2003	14.06	13.79	0.27
MW-11B	7/30/2003	14.06	10.32	3.74

Table 2
Groundwater Elevation Data
 Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Lower Horizon Groundwater Monitoring Wells</i>				
MW-11B	7/30/2003	14.06	10.49	3.57
MW-11B	8/25/2003	14.06	10.78	3.28
MW-11B	10/22/2003	14.06	11.35	2.71
MW-11B	1/27/2004	14.06	10.17	3.89
MW-11B	4/13/2004	14.06	9.52	4.54
MW-11B	7/19/2004	14.06	10.24	3.82
MW-11B	10/11/2004	14.06	11.14	2.92
MW-11B	2/7/2005	14.06	12.20	1.86
MW-11B	6/6/2005	14.06	10.42	3.64
MW-11B	11/7/2005	14.06	11.09	2.97
MW-11B	2/6/2006	14.16	9.26	4.90
MW-11B	5/8/2006	14.16	9.48	4.68
MW-11B	11/6/2006	13.94	10.70	3.24
MW-11B	2/6/2007	13.94	10.32	3.62
MW-11B	2/26/2007	13.94	9.21	4.73
MW-11B	4/27/2007	13.94	10.28	3.66
MW-11B	5/7/2007	13.94	10.32	3.62
MW-11B	8/6/2007	13.94	11.06	2.88
MW-11B	11/5/2007	13.94	10.96	2.98
MW-11B	2/4/2008	13.94	9.11	4.83
MW-11B	5/5/2008	13.94	10.36	3.58
MW-11B	8/4/2008	13.94	10.83	3.11
MW-11B	11/4/2008	13.94	10.50	3.44
MW-11B	2/2/2009	13.94	10.49	3.45
MW-11B	5/4/2009	13.94	10.20	3.74
MW-11B	8/3/2009	13.94	11.01	2.93
MW-11B	11/2/2009	13.94	10.02	3.92
MW-11B	2/1/2010	13.94	8.73	5.21
MW-11B	5/3/2010	13.94	9.52	4.42
MW-11B	8/2/2010	13.94	11.00	2.94
MW-11B	11/1/2010	13.94	10.95	2.99
MW-11B	4/11/2011	13.94	9.37	4.57
MW-11B	10/3/2011	13.94	10.45	3.49
MW-11B	4/2/2012	13.94	9.10	4.84
MW-11B	10/1/2012	13.94	10.37	3.57
MW-11B	4/1/2013	13.94	10.59	3.35
MW-11B	10/7/2013	13.94	11.40	2.54
MW-11B	3/28/2014	13.94	10.00	3.94
MW-11B	10/1/2014	13.94	11.25	2.69
MW-11B	4/1/2015	13.94	10.96	2.98
MW-11B	10/5/2015	13.94	11.42	2.52
MW-11B	4/4/2016	13.94	9.90	4.04
MW-11B	10/3/2016	13.94	11.38	2.56
MW-11B	4/3/2017	13.94	9.58	4.36
MW-11B	10/2/2017	13.94	11.36	2.58
MW-11B	4/2/2018	13.94	9.54	4.40
MW-16B	5/8/2006	11.72	8.70	3.02
MW-16B	8/14/2006	11.72	8.50	3.22
MW-16B	11/6/2006	11.72	7.61	4.11
MW-16B	2/6/2007	11.72	8.02	3.70
MW-16B	2/26/2007	11.72	7.25	4.47

Table 2
Groundwater Elevation Data
 Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Lower Horizon Groundwater Monitoring Wells</i>				
MW-16B	4/27/2007	11.72	8.06	3.66
MW-16B	5/7/2007	11.72	8.07	3.65
MW-16B	8/6/2007	11.72	8.72	3.00
MW-16B	11/5/2007	11.72	8.60	3.12
MW-16B	2/4/2008	11.72	6.82	4.90
MW-16B	5/5/2008	11.72	8.01	3.71
MW-16B	8/4/2008	11.72	8.57	3.15
MW-16B	11/4/2008	11.72	8.19	3.53
MW-16B	2/2/2009	11.72	8.21	3.51
MW-16B	5/4/2009	11.72	7.97	3.75
MW-16B	8/3/2009	11.72	8.67	3.05
MW-16B	11/2/2009	11.72	7.81	3.91
MW-16B	2/1/2010	11.72	6.50	5.22
MW-16B	5/3/2010	11.72	7.47	4.25
MW-16B	8/2/2010	11.72	8.60	3.12
MW-16B	11/1/2010	11.72	8.43	3.29
MW-16B	4/11/2011	11.72	7.34	4.38
MW-16B	10/12/2011	11.72	7.77	3.95
MW-16B	4/2/2012	11.72	7.22	4.50
MW-16B	10/1/2012	11.72	7.68	4.04
MW-16B	4/1/2013	11.72	8.11	3.61
MW-16B	10/7/2013	11.72	8.60	3.12
MW-16B	3/28/2014	11.72	7.63	4.09
MW-16B	10/1/2014	11.72	8.99	2.73
MW-16B	4/1/2015	11.72	8.69	3.03
MW-16B	10/5/2015	11.72	8.95	2.77
MW-16B	4/4/2016	11.72	7.59	4.13
MW-16B	10/3/2016	11.72	9.17	2.55
MW-16B	4/3/2017	11.72	7.45	4.27
MW-16B	10/2/2017	11.72	9.12	2.60
MW-32B	8/4/2008	17.28	13.45	3.83
MW-32B	11/4/2008	17.28	13.40	3.88
MW-32B	2/2/2009	17.28	13.37	3.91
MW-32B	5/4/2009	17.28	12.84	4.44
MW-32B	8/3/2009	17.28	13.59	3.69
MW-32B	11/2/2009	17.28	12.94	4.34
MW-32B	2/1/2010	17.28	11.34	5.94
MW-32B	5/3/2010	17.28	12.23	5.05
MW-32B	8/2/2010	17.28	13.41	3.87
MW-32B	11/1/2010	17.28	13.69	3.59
MW-32B	4/11/2011	17.28	11.91	5.37
MW-32B	10/3/2011	17.28	13.12	4.16
MW-32B	4/2/2012	17.28	11.58	5.70
MW-32B	10/1/2012	17.28	13.25	4.03
MW-32B	4/1/2013	17.28	12.96	4.32
MW-32B	10/7/2013	17.28	13.83	3.45
MW-32B	3/28/2014	17.28	12.71	4.57
MW-32B	10/1/2014	17.28	13.79	3.49
MW-32B	4/1/2015	17.28	13.38	3.90
MW-32B	10/5/2015	17.28	14.00	3.28
MW-32B	4/4/2016	17.28	12.23	5.05

Table 2
Groundwater Elevation Data
 Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Lower Horizon Groundwater Monitoring Wells</i>				
MW-32B	10/3/2016	17.28	13.96	3.32
MW-32B	4/3/2017	17.28	11.78	5.50
MW-32B	10/2/2017	17.28	13.87	3.41
MW-32B	4/2/2018	17.28	12.02	5.26

Table 2
Groundwater Elevation Data
Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Piezometers</i>				
PZ-1D	8/14/2006	15.07	12.26	2.81
PZ-1D	11/6/2006	15.07	12.47	2.60
PZ-1D	2/6/2007	15.07	11.47	3.60
PZ-1D	2/26/2007	15.07	10.21	4.86
PZ-1D	4/27/2007	15.07	11.52	3.55
PZ-1D	5/7/2007	15.07	11.62	3.45
PZ-1D	8/6/2007	15.07	12.50	2.57
PZ-1D	11/5/2007	15.07	12.50	2.57
PZ-1D	2/4/2008	15.07	12.84	2.23
PZ-1D	5/5/2008	15.07	11.91	3.16
PZ-1D	8/4/2008	15.07	12.07	3.00
PZ-1D	11/4/2008	15.07	12.15	2.92
PZ-1D	2/2/2009	15.07	11.70	3.37
PZ-1D	5/4/2009	15.07	11.55	3.52
PZ-1D	8/3/2009	15.07	12.52	2.55
PZ-1D	11/2/2009	15.07	11.12	3.95
PZ-1D	2/1/2010	15.07	10.15	4.92
PZ-1D	5/3/2010	15.07	10.64	4.43
PZ-1D	8/2/2010	15.07	12.47	2.60
PZ-1D	11/1/2010	15.07	12.54	2.53
PZ-1S	8/14/2006	15.02	Dry	--
PZ-1S	11/6/2006	15.02	Dry	--
PZ-1S	2/6/2007	15.02	11.38	3.64
PZ-1S	2/26/2007	15.02	10.41	4.61
PZ-1S	4/27/2007	15.02	11.54	3.48
PZ-1S	5/7/2007	15.02	Dry	--
PZ-1S	8/6/2007	15.02	Dry	--
PZ-1S	11/5/2007	15.02	Dry	--
PZ-1S	2/4/2008	15.02	10.40	4.62
PZ-1S	5/5/2008	15.02	Dry	--
PZ-1S	8/4/2008	15.02	Dry	--
PZ-1S	11/4/2008	15.02	Dry	--
PZ-1S	2/2/2009	15.02	DRY	--
PZ-1S	5/4/2009	15.02	DRY	--
PZ-1S	8/3/2009	15.02	DRY	--
PZ-1S	11/2/2009	15.02	11.16	3.86
PZ-1S	2/1/2010	15.02	10.17	4.85
PZ-1S	5/3/2010	15.02	10.64	4.38
PZ-1S	10/1/2014	15.02	8.38	2.19
PZ-1S	8/2/2010	15.02	Dry	--
PZ-1S	11/1/2010	15.02	Dry	--
PZ-2D	8/14/2006	14.67	12.62	2.05
PZ-2D	11/6/2006	14.67	12.34	2.33
PZ-2D	2/6/2007	14.67	11.06	3.61
PZ-2D	2/26/2007	14.67	10.02	4.65
PZ-2D	4/27/2007	14.67	11.18	3.49
PZ-2D	5/7/2007	14.67	11.29	3.38
PZ-2D	8/6/2007	14.67	12.12	2.55
PZ-2D	11/5/2007	14.67	12.11	2.56
PZ-2D	2/4/2008	14.67	10.13	4.54
PZ-2D	5/5/2008	14.67	11.57	3.10

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Piezometers</i>				
PZ-2D	8/4/2008	14.67	11.68	2.99
PZ-2D	11/4/2008	14.67	11.91	2.76
PZ-2D	2/2/2009	14.67	11.37	3.30
PZ-2D	5/4/2009	14.67	11.25	3.42
PZ-2D	8/3/2009	14.67	12.16	2.51
PZ-2D	11/2/2009	14.67	10.81	3.86
PZ-2D	2/1/2010	14.67	9.62	5.05
PZ-2D	5/3/2010	14.67	10.31	4.36
PZ-2D	8/2/2010	14.67	12.16	2.51
PZ-2D	11/1/2010	14.67	12.21	2.46
PZ-2S	8/14/2006	14.64	11.93	2.71
PZ-2S	11/6/2006	14.64	12.18	2.46
PZ-2S	2/6/2007	14.64	11.12	3.52
PZ-2S	2/26/2007	14.64	9.98	4.66
PZ-2S	4/27/2007	14.64	11.24	3.40
PZ-2S	5/7/2007	14.64	11.32	3.32
PZ-2S	8/6/2007	14.64	12.19	2.45
PZ-2S	11/5/2007	14.64	Dry	--
PZ-2S	2/4/2008	14.64	10.11	4.53
PZ-2S	5/5/2008	14.64	11.62	3.02
PZ-2S	8/4/2008	14.64	11.78	2.86
PZ-2S	11/4/2008	14.64	11.80	2.84
PZ-2S	2/2/2009	14.64	11.40	3.24
PZ-2S	5/4/2009	14.64	11.29	3.35
PZ-2S	8/3/2009	14.64	DRY	--
PZ-2S	11/2/2009	14.64	10.85	3.79
PZ-2S	2/1/2010	14.64	9.88	4.76
PZ-2S	5/3/2010	14.64	10.35	4.29
PZ-2S	8/2/2010	14.64	Dry	--
PZ-2S	11/1/2010	14.64	Dry	--
PZ-3D	8/14/2006	13.26	11.42	1.84
PZ-3D	11/6/2006	13.26	10.65	2.61
PZ-3D	2/6/2007	13.26	9.69	3.57
PZ-3D	2/26/2007	13.26	8.71	4.55
PZ-3D	4/27/2007	13.26	9.73	3.53
PZ-3D	5/7/2007	13.26	9.86	3.40
PZ-3D	8/6/2007	13.26	10.57	2.69
PZ-3D	11/5/2007	13.26	10.70	2.56
PZ-3D	2/4/2008	13.26	8.64	4.62
PZ-3D	5/5/2008	13.26	10.17	3.09
PZ-3D	8/4/2008	13.26	10.23	3.03
PZ-3D	11/4/2008	13.26	10.55	2.71
PZ-3D	2/2/2009	13.26	9.95	3.31
PZ-3D	5/4/2009	13.26	9.76	3.50
PZ-3D	8/3/2009	13.26	10.69	2.57
PZ-3D	11/2/2009	13.26	9.49	3.77
PZ-3D	2/1/2010	13.26	8.44	4.82
PZ-3D	5/3/2010	13.26	8.86	4.40
PZ-3D	8/2/2010	13.26	10.63	2.63
PZ-3D	11/1/2010	13.26	10.72	2.54
PZ-3S	8/14/2006	13.11	10.46	2.65

Table 2
Groundwater Elevation Data
Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Piezometers</i>				
PZ-3S	11/6/2006	13.11	10.62	2.49
PZ-3S	2/6/2007	13.11	9.68	3.43
PZ-3S	2/26/2007	13.11	8.56	4.55
PZ-3S	4/27/2007	13.11	9.78	3.33
PZ-3S	5/7/2007	13.11	9.85	3.26
PZ-3S	8/6/2007	13.11	10.71	2.40
PZ-3S	11/5/2007	13.11	10.81	2.30
PZ-3S	2/4/2008	13.11	8.67	4.44
PZ-3S	5/5/2008	13.11	10.15	2.96
PZ-3S	8/4/2008	13.11	10.26	2.85
PZ-3S	11/4/2008	13.11	10.44	2.67
PZ-3S	2/2/2009	13.11	9.99	3.12
PZ-3S	5/4/2009	13.11	9.85	3.26
PZ-3S	8/3/2009	13.11	10.75	2.36
PZ-3S	11/2/2009	13.11	9.43	3.68
PZ-3S	2/1/2010	13.11	8.48	4.63
PZ-3S	5/3/2010	13.11	8.97	4.14
PZ-3S	8/2/2010	13.11	10.82	2.29
PZ-3S	11/1/2010	13.11	10.92	2.19
PZ-4D	8/14/2006	14.80	12.65	2.15
PZ-4D	11/6/2006	14.80	11.79	3.01
PZ-4D	2/6/2007	14.80	10.63	4.17
PZ-4D	2/26/2007	14.80	9.41	5.39
PZ-4D	4/27/2007	14.80	9.93	4.87
PZ-4D	5/7/2007	14.80	10.26	4.54
PZ-4D	8/6/2007	14.80	11.89	2.91
PZ-4D	11/5/2007	14.80	12.06	2.74
PZ-4D	2/4/2008	14.80	9.24	5.56
PZ-4D	5/5/2008	14.80	16.23	-1.43
PZ-4D	8/4/2008	14.80	11.66	3.14
PZ-4D	11/4/2008	14.80	11.93	2.87
PZ-4D	2/2/2009	14.80	11.51	3.29
PZ-4D	5/4/2009	14.80	11.26	3.54
PZ-4D	8/3/2009	14.80	11.61	3.19
PZ-4D	11/2/2009	14.80	10.23	4.57
PZ-4D	2/1/2010	14.80	9.62	5.18
PZ-4D	5/3/2010	14.80	9.64	5.16
PZ-4D	8/2/2010	14.80	11.71	3.09
PZ-4D	11/1/2010	14.80	11.56	3.24
PZ-4S	8/14/2006	14.79	11.72	3.07
PZ-4S	11/6/2006	14.79	11.74	3.05
PZ-4S	2/6/2007	14.79	10.72	4.07
PZ-4S	2/26/2007	14.79	9.22	5.57
PZ-4S	4/27/2007	14.79	10.75	4.04
PZ-4S	5/7/2007	14.79	10.84	3.95
PZ-4S	8/6/2007	14.79	11.84	2.95
PZ-4S	11/5/2007	14.79	11.65	3.14
PZ-4S	2/4/2008	14.79	9.38	5.41
PZ-4S	5/5/2008	14.79	11.17	3.62
PZ-4S	8/4/2008	14.79	Dry	--
PZ-4S	11/4/2008	14.79	Dry	--

Table 2
Groundwater Elevation Data
Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Piezometers</i>				
PZ-4S	2/2/2009	14.79	10.89	3.90
PZ-4S	5/4/2009	14.79	10.70	4.09
PZ-4S	8/3/2009	14.79	DRY	--
PZ-4S	11/2/2009	14.79	10.22	4.57
PZ-4S	2/1/2010	14.79	9.22	5.57
PZ-4S	5/3/2010	14.79	9.62	5.17
PZ-4S	8/2/2010	14.79	Dry	--
PZ-4S	11/1/2010	14.79	11.57	3.22
PZ-5D	8/14/2006	14.46	11.92	2.54
PZ-5D	11/6/2006	14.46	10.92	3.54
PZ-5D	2/6/2007	14.46	10.05	4.41
PZ-5D	2/26/2007	14.46	8.51	5.95
PZ-5D	4/27/2007	14.46	9.98	4.48
PZ-5D	5/7/2007	14.46	10.07	4.39
PZ-5D	8/6/2007	14.46	11.46	3.00
PZ-5D	11/5/2007	14.46	11.09	3.37
PZ-5D	2/4/2008	14.46	8.53	5.93
PZ-5D	5/5/2008	14.46	10.46	4.00
PZ-5D	8/4/2008	14.46	11.35	3.11
PZ-5D	11/4/2008	14.46	10.87	3.59
PZ-5D	2/2/2009	14.46	10.12	4.34
PZ-5D	5/4/2009	14.46	9.88	4.58
PZ-5D	8/3/2009	14.46	11.51	2.95
PZ-5D	11/2/2009	14.46	9.52	4.94
PZ-5D	2/1/2010	14.46	8.33	6.13
PZ-5D	5/3/2010	14.46	8.74	5.72
PZ-5D	8/2/2010	14.46	11.27	3.19
PZ-5D	11/1/2010	14.46	10.77	3.69
PZ-5S	8/14/2006	14.44	11.19	3.25
PZ-5S	11/6/2006	14.44	10.86	3.58
PZ-5S	2/6/2007	14.44	9.80	4.64
PZ-5S	2/26/2007	14.44	8.02	6.42
PZ-5S	4/27/2007	14.44	9.71	4.73
PZ-5S	5/7/2007	14.44	9.82	4.62
PZ-5S	8/6/2007	14.44	11.40	3.04
PZ-5S	11/5/2007	14.44	10.90	3.54
PZ-5S	2/4/2008	14.44	8.16	6.28
PZ-5S	5/5/2008	14.44	10.29	4.15
PZ-5S	8/4/2008	14.44	11.32	3.12
PZ-5S	11/4/2008	14.44	10.59	3.85
PZ-5S	2/2/2009	14.44	9.88	4.56
PZ-5S	5/4/2009	14.44	9.64	4.80
PZ-5S	8/3/2009	14.44	11.46	2.98
PZ-5S	11/2/2009	14.44	9.21	5.23
PZ-5S	2/1/2010	14.44	8.07	6.37
PZ-5S	5/3/2010	14.44	8.39	6.05
PZ-5S	8/2/2010	14.44	11.25	3.19
PZ-5S	11/1/2010	14.44	10.65	3.79
PZ-6D	8/14/2006	14.23	12.05	2.18
PZ-6D	11/6/2006	14.23	10.85	3.38
PZ-6D	2/6/2007	14.23	10.06	4.17

Table 2
Groundwater Elevation Data
 Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Piezometers</i>				
PZ-6D	2/26/2007	14.23	8.67	5.56
PZ-6D	4/27/2007	14.23	10.05	4.18
PZ-6D	5/7/2007	14.23	10.14	4.09
PZ-6D	8/6/2007	14.23	11.37	2.86
PZ-6D	11/5/2007	14.23	11.35	2.88
PZ-6D	2/4/2008	14.23	8.93	5.30
PZ-6D	5/5/2008	14.23	10.41	3.82
PZ-6D	8/4/2008	14.23	11.18	3.05
PZ-6D	11/4/2008	14.23	10.78	3.45
PZ-6D	2/2/2009	14.23	10.42	3.81
PZ-6D	5/4/2009	14.23	10.18	4.05
PZ-6D	8/3/2009	14.23	11.41	2.82
PZ-6D	11/2/2009	14.23	9.65	4.58
PZ-6D	2/1/2010	14.23	8.54	5.69
PZ-6D	5/3/2010	14.23	9.15	5.08
PZ-6D	8/2/2010	14.23	11.15	3.08
PZ-6D	11/1/2010	14.23	10.75	3.48
PZ-6S	8/14/2006	14.12	10.87	3.25
PZ-6S	11/6/2006	14.12	10.53	3.59
PZ-6S	2/6/2007	14.12	9.48	4.64
PZ-6S	2/26/2007	14.12	7.71	6.41
PZ-6S	4/27/2007	14.12	9.39	4.73
PZ-6S	5/7/2007	14.12	9.48	4.64
PZ-6S	8/6/2007	14.12	11.11	3.01
PZ-6S	11/5/2007	14.12	10.58	3.54
PZ-6S	2/4/2008	14.12	7.83	6.29
PZ-6S	5/5/2008	14.12	9.96	4.16
PZ-6S	8/4/2008	14.12	11.02	3.10
PZ-6S	11/4/2008	14.12	10.24	3.88
PZ-6S	2/2/2009	14.12	9.54	4.58
PZ-6S	5/4/2009	14.12	9.33	4.79
PZ-6S	8/3/2009	14.12	11.12	3.00
PZ-6S	11/2/2009	14.12	8.90	5.22
PZ-6S	2/1/2010	14.12	8.73	5.39
PZ-6S	5/3/2010	14.12	8.02	6.10
PZ-6S	8/2/2010	14.12	10.89	3.23
PZ-6S	11/1/2010	14.12	10.32	3.80
PZ-7	4/27/2007	16.50	7.95	8.55
PZ-7	5/7/2007	16.50	8.08	8.42
PZ-7	8/6/2007	16.50	9.35	7.15
PZ-7	11/5/2007	16.50	9.71	6.79
PZ-7	2/4/2008	16.50	5.42	11.08
PZ-7	5/5/2008	16.50	8.04	8.46
PZ-7	8/4/2008	16.50	9.17	7.33
PZ-7	11/4/2008	16.50	9.44	7.06
PZ-7	2/2/2009	16.50	8.85	7.65
PZ-7	5/4/2009	16.50	7.61	8.89
PZ-7	8/3/2009	16.50	9.09	7.41
PZ-7	11/2/2009	16.50	8.58	7.92
PZ-7	2/1/2010	16.50	5.06	11.44
PZ-7	5/3/2010	16.50	5.98	10.52

Table 2
Groundwater Elevation Data
 Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Piezometers</i>				
PZ-7	8/2/2010	16.50	8.38	8.12
PZ-7	11/1/2010	16.50	9.32	7.18
PZ-7	10/3/2011	16.50	8.80	7.70
PZ-7	4/2/2012	16.50	4.61	11.89
PZ-7	10/1/2012	16.50	8.85	7.65
PZ-7	4/1/2013	16.50	7.45	9.05
PZ-7	10/7/2013	16.50	9.76	6.74
PZ-7	3/28/2014	16.50	8.09	8.41
PZ-7	10/1/2014	16.50	10.14	6.36
PZ-7	4/1/2015	16.50	8.61	7.89
PZ-7	10/5/2015	16.50	10.57	5.93
PZ-7	4/4/2016	16.50	6.18	10.32
PZ-7	10/3/2016	16.50	10.23	6.27
PZ-7	4/3/2017	16.50	4.20	12.30
PZ-7	10/2/2017	16.50	9.85	6.65
PZ-7	4/2/2018	16.50	5.75	10.75
PZ-8	4/27/2007	14.37	7.34	7.03
PZ-8	5/7/2007	14.37	7.44	6.93
PZ-8	8/6/2007	14.37	8.81	5.56
PZ-8	11/5/2007	14.37	9.04	5.33
PZ-8	2/4/2008	14.37	4.12	10.25
PZ-8	5/5/2008	14.37	7.47	6.90
PZ-8	8/4/2008	14.37	8.56	5.81
PZ-8	11/4/2008	14.37	8.58	5.79
PZ-8	2/2/2009	14.37	8.17	6.20
PZ-8	5/4/2009	14.37	6.90	7.47
PZ-8	8/3/2009	14.37	8.43	5.94
PZ-8	11/2/2009	14.37	7.76	6.61
PZ-8	2/1/2010	14.37	4.45	9.92
PZ-8	5/4/2010	14.37	5.43	8.94
PZ-8	8/2/2010	14.37	7.67	6.70
PZ-8	11/1/2010	14.37	8.45	5.92
PZ-9	4/27/2007	23.72	12.80	10.92
PZ-9	5/7/2007	23.72	12.87	10.85
PZ-9	8/6/2007	23.72	14.02	9.70
PZ-9	11/5/2007	23.72	14.21	9.51
PZ-9	2/4/2008	23.72	11.27	12.45
PZ-9	5/5/2008	23.72	12.94	10.78
PZ-9	8/4/2008	23.72	13.76	9.96
PZ-9	11/4/2008	23.72	13.88	9.84
PZ-9	2/2/2009	23.72	13.00	10.72
PZ-9	5/4/2009	23.72	12.59	11.13
PZ-9	8/3/2009	23.72	13.84	9.88
PZ-9	11/2/2009	23.72	13.51	10.21
PZ-9	2/1/2010	23.72	11.40	12.32
PZ-9	5/4/2010	23.72	11.68	12.04
PZ-9	8/2/2010	23.72	13.23	10.49
PZ-9	11/1/2010	23.72	13.75	9.97
PZ-10	8/4/2008	13.19	8.11	5.08
PZ-10	11/4/2008	13.19	8.30	4.89
PZ-10	2/2/2009	13.19	6.45	6.74

Table 2
Groundwater Elevation Data
Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Piezometers</i>				
PZ-10	5/4/2009	13.19	5.95	7.24
PZ-10	8/3/2009	13.19	8.43	4.76
PZ-10	11/2/2009	13.19	7.05	6.14
PZ-10	2/1/2010	13.19	4.69	8.50
PZ-10	5/3/2010	13.19	5.01	8.18
PZ-10	8/2/2010	13.19	7.68	5.51
PZ-10	11/1/2010	13.19	8.13	5.06
PZ-10	10/3/2011	13.19	6.76	6.43
PZ-10	4/2/2012	13.19	4.33	8.86
PZ-10	10/1/2012	13.19	6.59	6.60
PZ-10	4/1/2013	13.19	6.62	6.57
PZ-10	10/7/2013	13.19	8.94	4.25
PZ-10	3/28/2014	13.19	5.70	7.49
PZ-10	10/1/2014	13.19	9.35	3.84
PZ-10	4/1/2015	13.19	7.87	5.32
PZ-10	10/5/2015	13.19	10.31	2.88
PZ-10	4/4/2016	13.19	5.11	8.08
PZ-10	10/3/2016	13.19	9.86	3.33
PZ-10	4/3/2017	13.19	9.70	3.49
PZ-10	10/2/2017	13.19	9.61	3.58
PZ-10	4/2/2018	13.19	4.66	8.53
PZ-11	11/2/2009	21.66	11.87	9.79
PZ-11	2/1/2010	21.66	8.25	13.41
PZ-11	5/4/2010	21.66	8.80	12.86
PZ-11	8/2/2010	21.66	11.53	10.13
PZ-11	11/1/2010	21.66	12.41	9.25
PZ-11	4/11/2011	21.66	7.21	14.45
PZ-11	10/3/2011	21.66	12.12	9.54
PZ-11	4/2/2012	21.66	7.76	13.90
PZ-11	10/2/2012	21.66	12.10	9.56
PZ-11	4/1/2013	21.66	10.90	10.76
PZ-11	10/7/2013	21.66	12.71	8.95
PZ-11	3/28/2014	21.66	10.80	10.86
PZ-11	10/1/2014	21.66	12.91	8.75
PZ-11	4/1/2015	21.66	11.44	10.22
PZ-11	10/5/2015	21.66	13.76	7.90
PZ-11	4/4/2016	21.66	8.54	13.12
PZ-11	10/3/2016	21.66	13.23	8.43
PZ-11	4/3/2017	21.66	6.89	14.77
PZ-11	10/2/2017	21.66	12.99	8.67
PZ-11	4/2/2018	21.66	8.99	12.67
PZ-12	11/2/2009	23.96	12.76	11.20
PZ-12	2/1/2010	23.96	10.05	13.91
PZ-12	5/4/2010	23.96	11.22	12.74
PZ-12	8/2/2010	23.96	12.78	11.18
PZ-12	11/1/2010	23.96	13.17	10.79
PZ-12	4/11/2011	23.96	9.61	14.35
PZ-12	10/3/2011	23.96	13.32	10.64
PZ-12	4/2/2012	23.96	10.27	13.69
PZ-12	10/2/2012	23.96	12.96	11.00
PZ-12	4/1/2013	23.96	12.65	11.31

Table 2
Groundwater Elevation Data
 Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Piezometers</i>				
PZ-12	10/7/2013	23.96	13.54	10.42
PZ-12	3/28/2014	23.96	12.05	11.91
PZ-12	10/1/2014	23.96	14.09	9.87
PZ-12	4/1/2015	23.96	12.93	11.03
PZ-12	10/5/2015	23.96	14.74	9.22
PZ-12	4/4/2016	23.96	10.94	13.02
PZ-12	10/3/2016	23.96	14.28	9.68
PZ-12	4/3/2017	23.96	9.95	14.01
PZ-12	10/2/2017	23.96	13.98	9.98
PZ-12	4/2/2018	23.96	11.08	12.88
PZ-13	11/2/2009	11.39	5.54	5.85
PZ-13	2/1/2010	11.39	2.38	9.01
PZ-13	5/3/2010	11.39	4.46	6.93
PZ-13	8/2/2010	11.39	6.81	4.58
PZ-13	11/1/2010	11.39	7.05	4.34
PZ-13	4/11/2011	11.39	3.73	7.66
PZ-13	10/3/2011	11.39	6.63	4.76
PZ-13	4/2/2012	11.39	2.01	9.38
PZ-13	10/1/2012	11.39	6.58	4.81
PZ-13	4/1/2013	11.39	5.56	5.83
PZ-13	10/7/2013	11.39	7.58	3.81
PZ-13	3/28/2014	11.39	4.63	6.76
PZ-13	10/1/2014	11.39	7.70	3.69
PZ-13	4/1/2015	11.39	6.41	4.98
PZ-13	10/5/2015	11.39	8.15	3.24
PZ-13	4/4/2016	11.39	4.75	6.64
PZ-13	10/3/2016	11.39	7.82	3.57
PZ-13	4/3/2017	11.39	3.62	7.77
PZ-13	10/2/2017	11.39	7.75	3.64
PZ-14	11/2/2009	11.93	5.15	6.78
PZ-14	2/1/2010	11.93	4.77	7.16
PZ-14	5/3/2010	11.93	5.47	6.46
PZ-14	8/2/2010	11.93	7.95	3.98
PZ-14	11/1/2010	11.93	6.77	5.16
PZ-14	4/11/2011	11.93	5.12	6.81
PZ-14	10/3/2011	11.93	6.58	5.35
PZ-14	4/2/2012	11.93	4.45	7.48
PZ-14	10/1/2012	11.93	6.41	5.52
PZ-14	4/1/2013	11.93	5.93	6.00
PZ-14	10/7/2013	11.93	8.09	3.84
PZ-14	3/28/2014	11.93	6.11	5.82
PZ-14	10/1/2014	11.93	9.47	2.46
PZ-14	4/1/2015	11.93	7.71	4.22
PZ-14	10/5/2015	11.93	9.94	1.99
PZ-14	4/4/2016	11.93	5.21	6.72
PZ-14	10/3/2016	11.93	6.25	5.68
PZ-14	4/3/2017	11.93	5.26	6.67
PZ-14	10/2/2017	11.93	9.00	2.93
PZ-15	11/2/2009	7.49	4.02	3.47
PZ-15	2/1/2010	7.49	2.27	5.22
PZ-15	5/3/2010	7.49	3.47	4.02

Table 2
Groundwater Elevation Data
Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Piezometers</i>				
PZ-15	8/2/2010	7.49	4.12	3.37
PZ-15	11/1/2010	7.49	4.32	3.17
PZ-15	4/11/2011	7.49	3.35	4.14
PZ-15	10/10/2011	7.49	3.97	3.52
PZ-15	4/2/2012	7.49	2.99	4.50
PZ-15	10/1/2012	7.49	4.02	3.47
PZ-15	4/1/2013	7.49	3.58	3.91
PZ-15	10/7/2013	7.49	4.57	2.92
PZ-15	3/28/2014	7.49	3.35	4.14
PZ-15	10/1/2014	7.49	4.71	2.78
PZ-15	4/1/2015	7.49	3.96	3.53
PZ-15	10/5/2015	7.49	4.85	2.64
PZ-15	4/4/2016	7.49	3.23	4.26
PZ-15	10/3/2016	7.49	4.93	2.56
PZ-15	4/3/2017	7.49	3.15	4.34
PZ-15	10/2/2017	7.49	4.54	2.95
PZ-15	4/2/2018	7.49	2.83	4.66
PZ-16	11/2/2009	6.71	3.54	3.17
PZ-16	2/1/2010	6.71	2.02	4.69
PZ-16	5/3/2010	6.71	3.10	3.61
PZ-16	8/2/2010	6.71	3.86	2.85
PZ-16	11/1/2010	6.71	3.90	2.81
PZ-16	4/11/2011	6.71	2.94	3.77
PZ-16	10/10/2011	6.71	3.69	3.02
PZ-16	4/2/2012	6.71	2.61	4.10
PZ-16	10/1/2012	6.71	3.73	2.98
PZ-16	4/1/2013	6.71	3.07	3.64
PZ-16	10/7/2013	6.71	3.95	2.76
PZ-16	3/28/2014	6.71	2.90	3.81
PZ-16	10/1/2014	6.71	3.90	2.81
PZ-16	4/1/2015	6.71	3.52	3.19
PZ-16	10/5/2015	6.71	3.95	2.76
PZ-16	4/4/2016	6.71	2.91	3.80
PZ-16	10/3/2016	6.71	4.22	2.49
PZ-16	4/3/2017	6.71	2.69	4.02
PZ-16	10/2/2017	6.71	3.98	2.73
PZ-16	4/2/2018	6.71	2.59	4.12

Table 2
Groundwater Elevation Data
 Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
Temporary Groundwater Monitoring Wells (Support Pilot Studies)				
IMW-1	2/26/2007	14.81	3.98	10.83
IMW-1	4/27/2007	14.81	4.51	10.30
IMW-1	5/7/2007	14.81	4.84	9.97
IMW-1	8/6/2007	14.81	5.76	9.05
IMW-1	11/5/2007	14.81	6.01	8.80
IMW-1	2/4/2008	14.81	3.17	11.64
IMW-1	5/5/2008	14.81	4.97	9.84
IMW-1	8/4/2008	14.81	6.04	8.77
IMW-1	11/4/2008	14.81	5.54	9.27
IMW-1	2/2/2009	14.81	5.85	8.96
IMW-1	5/4/2009	14.81	5.18	9.63
IMW-1	8/3/2009	14.81	5.83	8.98
IMW-1	11/2/2009	14.81	5.05	9.76
IMW-1	2/1/2010	14.81	3.83	10.98
IMW-1	5/3/2010	14.81	4.67	10.14
IMW-1	8/2/2010	14.81	5.70	9.11
IMW-1	11/1/2010	14.81	5.64	9.17
IMW-1	4/11/2011	14.81	4.51	10.30
IMW-1	10/3/2011	14.81	6.04	8.77
IMW-1	4/2/2012	14.81	3.89	10.92
IMW-1	10/1/2012	14.81	6.51	8.30
IMW-1	4/1/2013	14.81	5.79	9.02
IMW-1	10/7/2013	14.81	6.71	8.10
IMW-1	3/28/2014	14.81	5.21	9.60
IMW-1	10/1/2014	14.81	8.01	6.80
IMW-1	4/1/2015	14.81	6.56	8.25
IMW-1	10/5/2015	14.81	9.05	5.76
IMW-1	4/4/2016	14.81	5.18	9.63
IMW-1	10/3/2016	14.81	8.37	6.44
IMW-1	4/3/2017	14.81	4.30	10.51
IMW-1	10/2/2017	14.81	8.26	6.55
IMW-1	4/2/2018	14.81	4.94	9.87
IMW-2	2/26/2007	15.05	NM	--
IMW-2	4/27/2007	15.05	4.95	10.10
IMW-2	5/7/2007	15.05	NM	--
IMW-2	8/6/2007	15.05	4.58	10.47
IMW-2	11/5/2007	15.05	6.13	8.92
IMW-2	2/4/2008	15.05	3.17	11.88
IMW-2	5/5/2008	15.05	5.03	10.02
IMW-2	8/4/2008	15.05	6.17	8.88
IMW-2	11/4/2008	15.05	5.71	9.34
IMW-2	2/2/2009	15.05	5.95	9.10
IMW-2	5/4/2009	15.05	5.35	9.70
IMW-2	8/3/2009	15.05	5.96	9.09
IMW-2	11/2/2009	15.05	5.21	9.84
IMW-2	2/1/2010	15.05	3.92	11.13
IMW-2	5/3/2010	15.05	4.82	10.23
IMW-2	8/2/2010	15.05	5.87	9.18
IMW-2	11/1/2010	15.05	5.79	9.26
IMW-2	4/11/2011	15.05	4.62	10.43
IMW-2	10/3/2011	15.05	6.18	8.87

Table 2
Groundwater Elevation Data
Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
Temporary Groundwater Monitoring Wells (Support Pilot Studies)				
IMW-2	4/2/2012	15.05	4.01	11.04
IMW-2	10/1/2012	15.05	6.67	8.38
IMW-2	4/1/2013	15.05	5.94	9.11
IMW-2	10/7/2013	15.05	6.92	8.13
IMW-2	3/28/2014	15.05	5.31	9.74
IMW-2	10/1/2014	15.05	8.38	2.19
IMW-2	10/1/2014	15.05	8.19	6.86
IMW-2	4/1/2015	15.05	6.74	8.31
IMW-2	10/5/2015	15.05	9.24	5.81
IMW-2	4/4/2016	15.05	5.39	9.66
IMW-2	10/3/2016	15.05	8.59	6.46
IMW-2	4/3/2017	15.05	4.49	10.56
IMW-2	10/2/2017	15.05	8.49	6.56
IMW-2	4/2/2018	15.05	5.11	9.94
IMW-3	2/26/2007	15.34	4.03	11.31
IMW-3	4/27/2007	15.34	4.26	11.08
IMW-3	5/7/2007	15.34	4.39	10.95
IMW-3	8/6/2007	15.34	5.76	9.58
IMW-3	11/5/2007	15.34	6.06	9.28
IMW-3	2/4/2008	15.34	2.98	12.36
IMW-3	5/5/2008	15.34	5.02	10.32
IMW-3	8/4/2008	15.34	6.20	9.14
IMW-3	11/4/2008	15.34	5.67	9.67
IMW-3	2/2/2009	15.34	6.06	9.28
IMW-3	5/4/2009	15.34	5.41	9.93
IMW-3	8/3/2009	15.34	6.09	9.25
IMW-3	11/2/2009	15.34	5.21	10.13
IMW-3	2/1/2010	15.34	3.90	11.44
IMW-3	5/3/2010	15.34	4.81	10.53
IMW-3	8/2/2010	15.34	5.91	9.43
IMW-3	11/1/2010	15.34	5.85	9.49
IMW-3	4/11/2011	15.34	4.60	10.74
IMW-3	10/3/2011	15.34	6.22	9.12
IMW-3	4/2/2012	15.34	3.90	11.44
IMW-3	10/1/2012	15.34	6.70	8.64
IMW-3	4/1/2013	15.34	5.98	9.36
IMW-3	10/7/2013	15.34	6.90	8.44
IMW-3	3/28/2014	15.34	5.36	9.98
IMW-3	10/1/2014	15.34	8.29	7.05
IMW-3	4/1/2015	15.34	6.77	8.57
IMW-3	10/5/2015	15.34	9.34	6.00
IMW-3	4/4/2016	15.34	5.30	10.04
IMW-3	10/3/2016	15.34	8.62	6.72
IMW-3	4/3/2017	15.34	4.31	11.03
IMW-3	10/2/2017	15.34	8.53	6.81
IMW-3	4/2/2018	15.34	5.02	10.32
IMW-4	2/26/2007	15.83	0.00	15.83
IMW-4	4/27/2007	15.83	4.99	10.84
IMW-4	5/7/2007	15.83	4.84	10.99
IMW-4	8/6/2007	15.83	6.23	9.60
IMW-4	11/5/2007	15.83	6.51	9.32

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
Temporary Groundwater Monitoring Wells (Support Pilot Studies)				
IMW-4	2/4/2008	15.83	3.42	12.41
IMW-4	5/5/2008	15.83	5.45	10.38
IMW-4	8/4/2008	15.83	6.63	9.20
IMW-4	11/4/2008	15.83	6.07	9.76
IMW-4	2/2/2009	15.83	6.49	9.34
IMW-4	5/4/2009	15.83	5.85	9.98
IMW-4	8/3/2009	15.83	6.52	9.31
IMW-4	11/2/2009	15.83	5.65	10.18
IMW-4	2/1/2010	15.83	4.33	11.50
IMW-4	5/3/2010	15.83	5.27	10.56
IMW-4	8/2/2010	15.83	6.36	9.47
IMW-4	11/1/2010	15.83	6.31	9.52
IMW-4	4/11/2011	15.83	5.06	10.77
IMW-4	10/3/2011	15.83	6.67	9.16
IMW-4	4/2/2012	15.83	4.39	11.44
IMW-4	10/1/2012	15.83	7.17	8.66
IMW-4	4/1/2013	15.83	6.43	9.40
IMW-4	10/7/2013	15.83	7.38	8.45
IMW-4	3/28/2014	15.83	5.76	10.07
IMW-4	10/1/2014	15.83	8.72	7.11
IMW-4	4/1/2015	15.83	7.23	8.60
IMW-4	10/5/2015	15.83	9.82	6.01
IMW-4	4/4/2016	15.83	5.71	10.12
IMW-4	10/3/2016	15.83	9.05	6.78
IMW-4	4/3/2017	15.83	4.80	11.03
IMW-4	10/2/2017	15.83	8.98	6.85
IMW-4	4/2/2018	15.83	5.45	10.38
IMW-5	2/26/2007	13.77	3.87	9.90
IMW-5	4/27/2007	13.77	4.54	9.23
IMW-5	5/7/2007	13.77	4.80	8.97
IMW-5	8/6/2007	13.77	5.79	7.98
IMW-5	11/5/2007	13.77	5.91	7.86
IMW-5	2/4/2008	13.77	2.80	10.97
IMW-5	5/5/2008	13.77	4.71	9.06
IMW-5	8/4/2008	13.77	5.61	8.16
IMW-5	11/4/2008	13.77	5.41	8.36
IMW-5	2/2/2009	13.77	5.28	8.49
IMW-5	5/4/2009	13.77	4.56	9.21
IMW-5	8/3/2009	13.77	5.65	8.12
IMW-5	11/2/2009	13.77	4.92	8.85
IMW-5	2/1/2010	13.77	3.14	10.63
IMW-5	5/3/2010	13.77	4.08	9.69
IMW-5	8/2/2010	13.77	5.23	8.54
IMW-5	11/1/2010	13.77	5.53	8.24
IMW-5	4/11/2011	13.77	3.38	10.39
IMW-5	10/3/2011	13.77	5.48	8.29
IMW-5	4/2/2012	13.77	3.30	10.47
IMW-5	10/1/2012	13.77	5.87	7.90
IMW-5	4/1/2013	13.77	4.77	9.00
IMW-5	10/7/2013	13.77	6.33	7.44
IMW-5	3/28/2014	13.77	4.37	9.40

Table 2
Groundwater Elevation Data
 Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
Temporary Groundwater Monitoring Wells (Support Pilot Studies)				
IMW-5	10/1/2014	13.77	7.21	6.56
IMW-5	4/1/2015	13.77	5.71	8.06
IMW-5	10/5/2015	13.77	8.22	5.55
IMW-5	4/4/2016	13.77	4.23	9.54
IMW-5	10/3/2016	13.77	7.62	6.15
IMW-5	4/3/2017	13.77	3.41	10.36
IMW-5	10/2/2017	13.77	7.48	6.29
IMW-5	4/2/2018	13.77	3.88	9.89
IMW-6	2/26/2007	14.51	5.20	9.31
IMW-6	4/27/2007	14.51	NM	--
IMW-6	5/7/2007	14.51	NM	--
IMW-6	8/6/2007	14.51	7.84	6.67
IMW-6	11/5/2007	14.51	6.89	7.62
IMW-6	2/4/2008	14.51	3.52	10.99
IMW-6	5/5/2008	14.51	5.80	8.71
IMW-6	8/4/2008	14.51	6.55	7.96
IMW-6	11/4/2008	14.51	6.19	8.32
IMW-6	2/2/2009	14.51	6.31	8.20
IMW-6	5/4/2009	14.51	5.73	8.78
IMW-6	8/3/2009	14.51	6.69	7.82
IMW-6	11/2/2009	14.51	6.02	8.49
IMW-6	2/1/2010	14.51	3.68	10.83
IMW-6	5/3/2010	14.51	7.96	6.55
IMW-6	5/3/2010	17.67	7.96	9.71
IMW-6	8/2/2010	17.67	9.32	8.35
IMW-6	11/1/2010	17.67	9.76	7.91
IMW-6	4/11/2011	17.67	7.52	10.15
IMW-6	10/3/2011	17.67	9.56	8.11
IMW-6	4/2/2012	17.67	6.83	10.84
IMW-6	10/1/2012	17.67	9.74	7.93
IMW-6	4/1/2013	17.67	8.72	8.95
IMW-6	10/7/2013	17.67	10.14	7.53
IMW-6	3/28/2014	17.67	8.46	9.21
IMW-6	10/1/2014	17.67	10.95	6.72
IMW-6	4/1/2015	17.67	9.51	8.16
IMW-6	10/5/2015	17.67	11.81	5.86
IMW-6	4/4/2016	17.67	7.95	9.72
IMW-6	10/3/2016	17.67	11.20	6.47
IMW-6	4/3/2017	17.67	7.26	10.41
IMW-6	10/2/2017	17.67	11.01	6.66
IMW-6	4/2/2018	17.67	7.78	9.89
IMW-7	2/26/2007	15.26	6.35	8.91
IMW-7	4/27/2007	15.26	NM	--
IMW-7	5/7/2007	15.26	NM	--
IMW-7	8/6/2007	15.26	7.10	8.16
IMW-7	11/5/2007	15.26	8.00	7.26
IMW-7	2/4/2008	15.26	4.04	11.22
IMW-7	5/5/2008	15.26	6.32	8.94
IMW-7	8/4/2008	15.26	7.02	8.24
IMW-7	11/4/2008	15.26	6.55	8.71
IMW-7	2/2/2009	15.26	6.87	8.39

Table 2
Groundwater Elevation Data
 Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
Temporary Groundwater Monitoring Wells (Support Pilot Studies)				
IMW-7	5/4/2009	15.26	6.40	8.86
IMW-7	8/3/2009	15.26	7.30	7.96
IMW-7	11/2/2009	15.26	6.59	8.67
IMW-7	2/1/2010	15.26	4.25	11.01
IMW-7	5/3/2010	15.26	8.52	6.74
IMW-7	5/3/2010	18.30	8.52	9.78
IMW-7	8/2/2010	18.30	9.79	8.51
IMW-7	11/1/2010	18.30	10.22	8.08
IMW-7	4/11/2011	18.30	8.14	10.16
IMW-7	10/3/2011	18.30	9.97	8.33
IMW-7	4/2/2012	18.30	7.25	11.05
IMW-7	10/1/2012	18.30	10.09	8.21
IMW-7	4/1/2013	18.30	9.20	9.10
IMW-7	10/7/2013	18.30	10.49	7.81
IMW-7	3/28/2014	18.30	8.92	9.38
IMW-7	10/1/2014	18.30	11.49	6.81
IMW-7	4/1/2015	18.30	9.92	8.38
IMW-7	10/5/2015	18.30	12.22	6.08
IMW-7	4/4/2016	18.30	8.65	9.65
IMW-7	10/3/2016	18.30	11.77	6.53
IMW-7	4/3/2017	18.30	7.78	10.52
IMW-7	10/2/2017	18.30	11.63	6.67
IMW-7	4/2/2018	18.30	8.03	10.27
IMW-8	2/26/2007	13.92	NM	--
IMW-8	4/27/2007	13.92	NM	--
IMW-8	5/7/2007	13.92	NM	--
IMW-8	8/6/2007	13.92	7.79	6.13
IMW-8	11/5/2007	13.92	9.01	4.91
IMW-8	2/4/2008	13.92	2.75	11.17
IMW-8	5/5/2008	13.92	4.82	9.10
IMW-8	8/4/2008	13.92	5.60	8.32
IMW-8	11/4/2008	13.92	5.38	8.54
IMW-8	2/2/2009	13.92	5.41	8.51
IMW-8	5/4/2009	13.92	4.75	9.17
IMW-8	8/3/2009	13.92	5.75	8.17
IMW-8	11/2/2009	13.92	4.99	8.93
IMW-8	2/1/2010	13.92	3.16	10.76
IMW-8	5/3/2010	13.92	4.13	9.79
IMW-8	8/2/2010	13.92	5.33	8.59
IMW-8	11/1/2010	13.92	5.65	8.27
IMW-8	4/11/2011	13.92	4.30	9.62
IMW-8	10/3/2011	13.92	5.64	8.28
IMW-8	4/2/2012	13.92	3.25	10.67
IMW-8	10/1/2012	13.92	5.91	8.01
IMW-8	4/1/2013	13.92	4.83	9.09
IMW-8	10/7/2013	13.92	6.38	7.54
IMW-8	3/28/2014	13.92	4.75	9.17
IMW-8	10/1/2014	13.92	7.25	6.67
IMW-8	4/1/2015	13.92	5.79	8.13
IMW-8	10/5/2015	13.92	8.48	5.44
IMW-8	4/4/2016	13.92	4.50	9.42

Table 2
Groundwater Elevation Data
 Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
Temporary Groundwater Monitoring Wells (Support Pilot Studies)				
IMW-8	10/3/2016	13.92	7.75	6.17
IMW-8	4/3/2017	13.92	3.81	10.11
IMW-8	10/2/2017	13.92	7.71	6.21
IMW-8	4/2/2018	13.92	4.16	9.76
IMW-9	2/26/2007	16.19	4.31	11.88
IMW-9	4/27/2007	16.19	5.49	10.70
IMW-9	5/7/2007	16.19	5.60	10.59
IMW-9	8/6/2007	16.19	6.81	9.38
IMW-9	11/5/2007	16.19	7.02	9.17
IMW-9	2/4/2008	16.19	2.19	14.00
IMW-9	5/5/2008	16.19	5.55	10.64
IMW-9	8/4/2008	16.19	6.56	9.63
IMW-9	11/4/2008	16.19	6.64	9.55
IMW-9	2/2/2009	16.19	6.26	9.93
IMW-9	5/4/2009	16.19	5.45	10.74
IMW-9	8/3/2009	16.19	6.69	9.50
IMW-9	11/2/2009	16.19	6.00	10.19
IMW-9	2/1/2010	16.19	2.95	13.24
IMW-9	5/3/2010	16.19	7.62	8.57
IMW-9	5/3/2010	19.60	7.62	11.98
IMW-9	8/2/2010	19.60	9.33	10.27
IMW-9	11/1/2010	19.60	10.06	9.54
IMW-10	2/26/2007	16.24	4.46	11.78
IMW-10	4/27/2007	16.24	5.60	10.64
IMW-10	5/7/2007	16.24	5.72	10.52
IMW-10	8/6/2007	16.24	6.95	9.29
IMW-10	11/5/2007	16.24	7.15	9.09
IMW-10	2/4/2008	16.24	2.42	13.82
IMW-10	5/5/2008	16.24	5.69	10.55
IMW-10	8/4/2008	16.24	6.73	9.51
IMW-10	11/4/2008	16.24	6.75	9.49
IMW-10	2/2/2009	16.24	6.41	9.83
IMW-10	5/4/2009	16.24	5.55	10.69
IMW-10	8/3/2009	16.24	6.84	9.40
IMW-10	11/2/2009	16.24	6.12	10.12
IMW-10	2/1/2010	16.24	3.13	13.11
IMW-10	5/3/2010	16.24	7.68	8.56
IMW-10	5/3/2010	19.53	7.68	11.85
IMW-10	8/2/2010	19.53	9.37	10.16
IMW-10	11/1/2010	19.53	10.11	9.42
IMW-11	2/26/2007	16.19	4.47	11.72
IMW-11	4/27/2007	16.19	5.63	10.56
IMW-11	5/7/2007	16.19	5.75	10.44
IMW-11	8/6/2007	16.19	6.99	9.20
IMW-11	11/5/2007	16.19	7.26	8.93
IMW-11	2/4/2008	16.19	2.56	13.63
IMW-11	5/5/2008	16.19	5.73	10.46
IMW-11	8/4/2008	16.19	6.78	9.41
IMW-11	11/4/2008	16.19	6.60	9.59
IMW-11	2/2/2009	16.19	6.50	9.69
IMW-11	5/4/2009	16.19	5.60	10.59

Table 2
Groundwater Elevation Data
 Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Temporary Groundwater Monitoring Wells (Support Pilot Studies)</i>				
IMW-11	8/3/2009	16.19	6.87	9.32
IMW-11	11/2/2009	16.19	6.20	9.99
IMW-11	2/1/2010	16.19	3.05	13.14
IMW-11	5/3/2010	16.19	7.52	8.67
IMW-11	5/3/2010	19.44	7.52	11.92
IMW-11	8/2/2010	19.44	9.35	10.09
IMW-11	11/1/2010	19.44	10.23	9.21
IMW-12	2/26/2007	16.99	NM	--
IMW-12	4/27/2007	16.99	6.57	10.42
IMW-12	5/7/2007	16.99	6.84	10.15
IMW-12	8/6/2007	16.99	8.04	8.95
IMW-12	11/5/2007	16.99	9.14	7.85
IMW-12	2/4/2008	16.99	5.37	11.62
IMW-12	5/5/2008	16.99	6.63	10.36
IMW-12	8/4/2008	16.99	7.58	9.41
IMW-12	11/4/2008	16.99	8.19	8.80
IMW-12	2/2/2009	16.99	7.63	9.36
IMW-12	5/4/2009	16.99	6.55	10.44
IMW-12	8/3/2009	16.99	7.81	9.18
IMW-12	11/2/2009	16.99	7.43	9.56
IMW-12	2/1/2010	16.99	4.24	12.75
IMW-12	5/3/2010	16.99	5.19	11.80
IMW-12	8/2/2010	16.99	7.40	9.59
IMW-12	11/1/2010	16.99	8.31	8.68
IMW-12	3/28/2014	16.99	8.16	8.83
IMW-12	10/5/2015	16.99	10.46	6.53
IMW-12	4/4/2016	16.99	5.13	11.86
IMW-12	10/3/2016	16.99	9.76	7.23
IMW-12	4/3/2017	16.99	3.21	13.78
IMW-12	10/2/2017	16.99	9.48	7.51
IMW-12	4/2/2018	16.99	5.28	11.71
IMW-13	2/26/2007	17.38	6.07	11.31
IMW-13	4/27/2007	17.38	7.21	10.17
IMW-13	5/7/2007	17.38	7.73	9.65
IMW-13	8/6/2007	17.38	8.90	8.48
IMW-13	11/5/2007	17.38	9.17	8.21
IMW-13	2/4/2008	17.38	4.86	12.52
IMW-13	5/5/2008	17.38	7.20	10.18
IMW-13	8/4/2008	17.38	8.50	8.88
IMW-13	11/4/2008	17.38	8.79	8.59
IMW-13	2/2/2009	17.38	8.20	9.18
IMW-13	5/4/2009	17.38	7.01	10.37
IMW-13	8/3/2009	17.38	8.42	8.96
IMW-13	11/2/2009	17.38	7.94	9.44
IMW-13	2/1/2010	17.38	5.66	11.72
IMW-13	5/3/2010	17.38	5.78	11.60
IMW-13	8/2/2010	17.38	7.91	9.47
IMW-13	11/1/2010	17.38	8.59	8.79
IMW-13	3/28/2014	17.38	7.87	9.51
IMW-13	10/5/2015	17.38	10.88	6.50
IMW-13	4/4/2016	17.38	6.12	11.26

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
Temporary Groundwater Monitoring Wells (Support Pilot Studies)				
IMW-13	10/3/2016	17.38	10.30	7.08
IMW-13	4/3/2017	17.38	5.52	11.86
IMW-13	10/2/2017	17.38	9.92	7.46
IMW-13	4/2/2018	17.38	5.43	11.95
IMW-14	2/26/2007	17.36	6.67	10.69
IMW-14	4/27/2007	17.36	7.57	9.79
IMW-14	5/7/2007	17.36	7.73	9.63
IMW-14	8/6/2007	17.36	8.64	8.72
IMW-14	11/5/2007	17.36	9.29	8.07
IMW-14	2/4/2008	17.36	1.15	16.21
IMW-14	5/5/2008	17.36	7.60	9.76
IMW-14	8/4/2008	17.36	8.73	8.63
IMW-14	11/4/2008	17.36	9.12	8.24
IMW-14	2/2/2009	17.36	8.50	8.86
IMW-14	5/4/2009	17.36	7.44	9.92
IMW-14	8/3/2009	17.36	8.67	8.69
IMW-14	11/2/2009	17.36	8.29	9.07
IMW-14	2/1/2010	17.36	5.01	12.35
IMW-14	5/3/2010	17.36	5.87	11.49
IMW-14	8/2/2010	17.36	8.05	9.31
IMW-14	11/1/2010	17.36	9.03	8.33
IMW-14	3/28/2014	17.36	7.79	9.57
IMW-14	10/5/2015	17.36	10.92	6.44
IMW-14	4/4/2016	17.36	6.19	11.17
IMW-14	10/3/2016	17.36	10.44	6.92
IMW-14	4/3/2017	17.36	3.56	13.80
IMW-14	10/2/2017	17.36	10.05	7.31
IMW-14	4/2/2018	17.36	5.63	11.73
IMW-15	2/26/2007	20.01	8.54	11.47
IMW-15	4/27/2007	20.01	9.50	10.51
IMW-15	5/7/2007	20.01	9.65	10.36
IMW-15	8/6/2007	20.01	11.18	8.83
IMW-15	11/5/2007	20.01	11.52	8.49
IMW-15	2/4/2008	20.01	7.28	12.73
IMW-15	5/5/2008	20.01	9.77	10.24
IMW-15	8/4/2008	20.01	11.00	9.01
IMW-15	11/4/2008	20.01	11.42	8.59
IMW-15	2/2/2009	20.01	10.58	9.43
IMW-15	5/4/2009	20.01	9.27	10.74
IMW-15	8/3/2009	20.01	10.92	9.09
IMW-15	11/2/2009	20.01	10.53	9.48
IMW-15	2/1/2010	20.01	6.92	13.09
IMW-15	5/3/2010	20.01	7.51	12.50
IMW-15	8/2/2010	20.01	10.22	9.79
IMW-15	11/1/2010	20.01	11.15	8.86
IMW-15	4/11/2011	20.01	6.26	13.75
IMW-15	10/3/2011	20.01	10.48	9.53
IMW-15	4/2/2012	20.01	6.48	13.53
IMW-15	10/1/2012	20.01	10.82	9.19
IMW-15	4/1/2013	20.01	9.34	10.67
IMW-15	10/7/2013	20.01	11.71	8.30

Table 2
Groundwater Elevation Data
Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
Temporary Groundwater Monitoring Wells (Support Pilot Studies)				
IMW-15	3/28/2014	20.01	9.80	10.21
IMW-15	10/1/2014	20.01	12.13	7.88
IMW-15	4/1/2015	20.01	9.35	10.66
IMW-15	10/5/2015	20.01	13.06	6.95
IMW-15	4/4/2016	20.01	7.59	12.42
IMW-15	10/3/2016	20.01	12.22	7.79
IMW-15	4/3/2017	20.01	5.73	14.28
IMW-15	10/2/2017	20.01	11.91	8.10
IMW-15	4/2/2018	20.01	7.32	12.69
IMW-16	2/26/2007	20.38	8.95	11.43
IMW-16	4/27/2007	20.38	9.90	10.48
IMW-16	5/7/2007	20.38	10.06	10.32
IMW-16	8/6/2007	20.38	11.55	8.83
IMW-16	11/5/2007	20.38	11.89	8.49
IMW-16	2/4/2008	20.38	7.70	12.68
IMW-16	5/5/2008	20.38	10.18	10.20
IMW-16	8/4/2008	20.38	11.37	9.01
IMW-16	11/4/2008	20.38	11.79	8.59
IMW-16	2/2/2009	20.38	10.98	9.40
IMW-16	5/4/2009	20.38	9.68	10.70
IMW-16	8/3/2009	20.38	11.31	9.07
IMW-16	11/2/2009	20.38	10.91	9.47
IMW-16	2/1/2010	20.38	7.41	12.97
IMW-16	5/3/2010	20.38	7.93	12.45
IMW-16	8/2/2010	20.38	10.54	9.84
IMW-16	11/1/2010	20.38	11.47	8.91
IMW-16	4/11/2011	20.38	6.51	13.87
IMW-16	10/3/2011	20.38	11.04	9.34
IMW-16	4/2/2012	20.38	6.53	13.85
IMW-16	10/1/2012	20.38	10.81	9.57
IMW-16	4/1/2013	20.38	9.65	10.73
IMW-16	10/7/2013	20.38	11.99	8.39
IMW-16	3/28/2014	20.38	10.00	10.38
IMW-16	10/1/2014	20.38	12.42	7.96
IMW-16	4/1/2015	20.38	10.74	9.64
IMW-16	10/5/2015	20.38	12.78	7.60
IMW-16	4/4/2016	20.38	7.83	12.55
IMW-16	10/3/2016	20.38	12.57	7.81
IMW-16	4/3/2017	20.38	5.94	14.44
IMW-16	10/2/2017	20.38	12.21	8.17
IMW-16	4/2/2018	20.38	7.70	12.68
IMW-17	2/26/2007	20.29	8.81	11.48
IMW-17	4/27/2007	20.29	9.87	10.42
IMW-17	5/7/2007	20.29	10.93	9.36
IMW-17	8/6/2007	20.29	11.46	8.83
IMW-17	11/5/2007	20.29	11.79	8.50
IMW-17	2/4/2008	20.29	7.55	12.74
IMW-17	5/5/2008	20.29	10.06	10.23
IMW-17	8/4/2008	20.29	11.28	9.01
IMW-17	11/4/2008	20.29	11.70	8.59
IMW-17	2/2/2009	20.29	10.85	9.44

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
Temporary Groundwater Monitoring Wells (Support Pilot Studies)				
IMW-17	5/4/2009	20.29	9.55	10.74
IMW-17	8/3/2009	20.29	11.20	9.09
IMW-17	11/2/2009	20.29	10.81	9.48
IMW-17	2/1/2010	20.29	7.18	13.11
IMW-17	5/3/2010	20.29	7.79	12.50
IMW-17	8/2/2010	20.29	10.46	9.83
IMW-17	11/1/2010	20.29	11.41	8.88
IMW-17	4/11/2011	20.29	6.42	13.87
IMW-17	10/3/2011	20.29	11.22	9.07
IMW-17	4/2/2012	20.29	6.52	13.77
IMW-17	10/1/2012	20.29	11.07	9.22
IMW-17	4/1/2013	20.29	9.61	10.68
IMW-17	10/7/2013	20.29	11.99	8.30
IMW-17	3/28/2014	20.29	10.03	10.26
IMW-17	10/1/2014	20.29	12.40	7.89
IMW-17	4/1/2015	20.29	10.61	9.68
IMW-17	10/5/2015	20.29	13.05	7.24
IMW-17	4/4/2016	20.29	7.80	12.49
IMW-17	10/3/2016	20.29	12.50	7.79
IMW-17	4/3/2017	20.29	5.95	14.34
IMW-17	10/2/2017	20.29	12.17	8.12
IMW-17	4/2/2018	20.29	7.60	12.69
IMW-22	2/26/2007	14.62	5.35	9.27
IMW-22	4/27/2007	14.62	NM	--
IMW-22	5/7/2007	14.62	NM	--
IMW-22	11/5/2007	14.62	7.20	7.42
IMW-22	2/4/2008	14.62	3.48	11.14
IMW-22	5/5/2008	14.62	5.80	8.82
IMW-22	8/4/2008	14.62	6.56	8.06
IMW-22	11/4/2008	14.62	6.13	8.49
IMW-22	2/2/2009	14.62	6.23	8.39
IMW-22	5/4/2009	14.62	5.70	8.92
IMW-22	8/3/2009	14.62	6.68	7.94
IMW-22	11/2/2009	14.62	5.98	8.64
IMW-22	2/1/2010	14.62	3.59	11.03
IMW-22	5/3/2010	14.62	8.36	6.26
IMW-22	5/3/2010	18.14	8.36	9.78
IMW-22	8/2/2010	18.14	9.72	8.42
IMW-22	11/1/2010	18.14	10.15	7.99
IMW-22	4/11/2011	18.14	7.91	10.23
IMW-22	10/3/2011	18.14	9.91	8.23
IMW-22	4/2/2012	18.14	7.13	11.01
IMW-22	10/1/2012	18.14	10.06	8.08
IMW-22	4/1/2013	14.62	7.53	7.09
IMW-22	4/1/2013	18.14	9.12	9.02
IMW-22	10/7/2013	18.14	10.52	7.62
IMW-22	3/28/2014	18.14	8.82	9.32
IMW-22	10/1/2014	18.14	11.40	6.74
IMW-22	4/1/2015	18.14	9.90	8.24
IMW-22	10/5/2015	18.14	12.22	5.92
IMW-22	4/4/2016	18.14	8.30	9.84

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
Temporary Groundwater Monitoring Wells (Support Pilot Studies)				
IMW-22	10/3/2016	18.14	11.62	6.52
IMW-22	4/3/2017	18.14	7.59	10.55
IMW-22	10/2/2017	18.14	11.40	6.74
IMW-22	4/2/2018	18.14	7.99	10.15
IMW-23	11/2/2009	22.00	11.68	10.32
IMW-23	2/1/2010	22.00	8.15	13.85
IMW-23	5/3/2010	22.00	8.61	13.39
IMW-23	8/2/2010	22.00	11.32	10.68
IMW-23	11/1/2010	22.00	12.22	9.78
IMW-23	4/11/2011	22.00	6.79	15.21
IMW-23	10/3/2011	22.00	11.98	10.02
IMW-23	4/2/2012	22.00	8.31	13.69
IMW-23	10/1/2012	22.00	11.69	10.31
IMW-23	4/1/2013	22.00	10.75	11.25
IMW-23	10/7/2013	22.00	12.41	9.59
IMW-23	3/28/2014	22.00	10.52	11.48
IMW-23	10/1/2014	22.00	12.80	9.20
IMW-23	4/1/2015	22.00	11.13	10.87
IMW-23	10/5/2015	22.00	13.45	8.55
IMW-23	4/4/2016	22.00	8.14	13.86
IMW-23	10/3/2016	22.00	12.92	9.08
IMW-23	4/3/2017	22.00	6.67	15.33
IMW-23	10/2/2017	22.00	12.74	9.26
IMW-23	4/2/2018	22.00	8.69	13.31
IMW-24	11/2/2009	23.35	11.94	11.41
IMW-24	2/1/2010	23.35	9.22	14.13
IMW-24	5/4/2010	23.35	10.60	12.75
IMW-24	8/2/2010	23.35	12.02	11.33
IMW-24	11/1/2010	23.35	12.33	11.02
IMW-24	4/11/2011	23.35	9.22	14.13
IMW-24	10/3/2011	23.35	12.81	10.54
IMW-24	4/2/2012	23.35	9.47	13.88
IMW-24	10/2/2012	23.35	12.66	10.69
IMW-24	4/1/2013	23.35	12.26	11.09
IMW-24	10/7/2013	23.35	12.61	10.74
IMW-24	3/28/2014	23.35	11.59	11.76
IMW-24	10/1/2014	23.35	13.21	10.14
IMW-24	4/1/2015	23.35	12.18	11.17
IMW-24	10/5/2015	23.35	13.88	9.47
IMW-24	4/4/2016	23.35	8.87	14.48
IMW-24	10/3/2016	23.35	13.43	9.92
IMW-24	4/3/2017	23.35	9.29	14.06
IMW-24	10/2/2017	23.35	13.20	10.15
IMW-24	4/2/2018	23.35	10.40	12.95
IMW-25	2/1/2010	25.18	9.41	15.77
IMW-25	5/3/2010	25.18	11.79	13.39
IMW-25	8/2/2010	25.18	13.56	11.62
IMW-25	11/1/2010	25.18	14.03	11.15
IMW-25	4/11/2011	25.18	9.19	15.99
IMW-25	10/3/2011	25.18	14.00	11.18
IMW-25	4/2/2012	25.18	9.45	15.73

Table 2
Groundwater Elevation Data
Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
Temporary Groundwater Monitoring Wells (Support Pilot Studies)				
IMW-25	10/1/2012	25.18	14.00	11.18
IMW-25	4/1/2013	25.18	13.19	11.99
IMW-25	10/7/2013	25.18	14.20	10.98
IMW-25	3/28/2014	25.18	12.72	12.46
IMW-25	10/1/2014	25.18	14.90	10.28
IMW-25	4/1/2015	25.18	13.58	11.60
IMW-25	10/5/2015	25.18	15.50	9.68
IMW-25	4/4/2016	25.18	9.81	15.37
IMW-25	10/3/2016	25.18	15.08	10.10
IMW-25	4/3/2017	25.18	10.33	14.85
IMW-25	10/2/2017	25.18	15.07	10.11
IMW-25	4/2/2018	25.18	10.20	14.98
IMW-26	11/2/2009	23.84	11.81	12.03
IMW-26	2/1/2010	23.84	9.00	14.84
IMW-26	5/3/2010	23.84	10.99	12.85
IMW-26	8/2/2010	23.84	12.11	11.73
IMW-26	11/1/2010	23.84	12.19	11.65
IMW-26	4/11/2011	23.84	10.42	13.42
IMW-26	10/3/2011	23.84	12.42	11.42
IMW-26	4/2/2012	23.84	9.13	14.71
IMW-26	10/1/2012	23.84	12.42	11.42
IMW-26	4/1/2013	23.84	12.04	11.80
IMW-26	10/7/2013	23.84	12.47	11.37
IMW-26	3/28/2014	23.84	11.41	12.43
IMW-26	10/1/2014	23.84	12.20	11.64
IMW-26	4/1/2015	23.84	12.22	11.62
IMW-26	10/5/2015	23.84	13.83	10.01
IMW-26	4/4/2016	23.84	10.89	12.95
IMW-26	10/3/2016	23.84	13.38	10.46
IMW-26	4/3/2017	23.84	10.15	13.69
IMW-26	10/2/2017	23.84	13.18	10.66
IMW-26	4/2/2018	23.84	10.20	13.64
IMW-27	11/2/2009	25.93	13.90	12.03
IMW-27	2/1/2010	25.93	11.26	14.67
IMW-27	5/3/2010	25.93	13.16	12.77
IMW-27	8/2/2010	25.93	14.20	11.73
IMW-27	11/1/2010	25.93	14.27	11.66
IMW-27	4/11/2011	25.93	12.60	13.33
IMW-27	10/3/2011	25.93	14.51	11.42
IMW-27	4/2/2012	25.93	11.34	14.59
IMW-27	10/1/2012	25.93	14.53	11.40
IMW-27	4/1/2013	25.93	14.14	11.79
IMW-27	10/7/2013	25.93	14.67	11.26
IMW-27	3/28/2014	25.93	13.55	12.38
IMW-27	10/1/2014	25.93	15.19	10.74
IMW-27	4/1/2015	25.93	14.41	11.52
IMW-27	10/5/2015	25.93	15.91	10.02
IMW-27	4/4/2016	25.93	13.05	12.88
IMW-27	10/3/2016	25.93	15.48	10.45
IMW-27	4/3/2017	25.93	12.35	13.58
IMW-27	10/2/2017	25.93	15.27	10.66

Table 2
Groundwater Elevation Data
 Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
Temporary Groundwater Monitoring Wells (Support Pilot Studies)				
IMW-27	4/2/2018	25.93	12.44	13.49
IMW-28	11/2/2009	24.48	12.50	11.98
IMW-28	2/1/2010	24.48	10.49	13.99
IMW-28	5/3/2010	24.48	11.98	12.50
IMW-28	8/2/2010	24.48	12.72	11.76
IMW-28	11/1/2010	24.48	12.28	12.20
IMW-28	4/11/2011	24.48	11.61	12.87
IMW-28	10/3/2011	24.48	13.03	11.45
IMW-28	4/2/2012	24.48	10.56	13.92
IMW-28	10/1/2012	24.48	13.03	11.45
IMW-28	4/1/2013	24.48	12.65	11.83
IMW-28	10/7/2013	24.48	13.05	11.43
IMW-28	3/28/2014	24.48	12.21	12.27
IMW-28	10/1/2014	24.48	13.70	10.78
IMW-28	4/1/2015	24.48	12.89	11.59
IMW-28	10/5/2015	24.48	14.26	10.22
IMW-28	4/4/2016	24.48	11.82	12.66
IMW-28	10/3/2016	24.48	13.84	10.64
IMW-28	4/3/2017	24.48	11.24	13.24
IMW-28	10/2/2017	24.48	13.68	10.80
IMW-28	4/2/2018	24.48	11.37	13.11
IMW-29	11/2/2009	25.08	13.13	11.95
IMW-29	2/1/2010	25.08	10.97	14.11
IMW-29	5/3/2010	25.08	12.41	12.67
IMW-29	8/2/2010	25.08	13.51	11.57
IMW-29	11/1/2010	25.08	13.68	11.40
IMW-29	4/11/2011	25.08	11.94	13.14
IMW-29	10/3/2011	25.08	13.78	11.30
IMW-29	4/2/2012	25.08	11.70	13.38
IMW-29	10/1/2012	25.08	13.78	11.30
IMW-29	4/1/2013	25.08	13.41	11.67
IMW-29	10/7/2013	25.08	13.95	11.13
IMW-29	3/28/2014	25.08	13.26	11.82
IMW-29	10/1/2014	25.08	14.85	10.23
IMW-29	4/1/2015	25.08	13.98	11.10
IMW-29	10/5/2015	25.08	15.74	9.34
IMW-29	4/4/2016	25.08	12.44	12.64
IMW-29	10/3/2016	25.08	14.85	10.23
IMW-29	4/3/2017	25.08	11.64	13.44
IMW-29	10/2/2017	25.08	14.59	10.49
IMW-29	4/2/2018	25.08	11.92	13.16
IMW-30	11/2/2009	20.38	10.86	9.52
IMW-30	2/1/2010	20.38	7.02	13.36
IMW-30	5/3/2010	20.38	7.69	12.69
IMW-30	8/2/2010	20.38	10.50	9.88
IMW-30	11/1/2010	20.38	11.48	8.90
IMW-30	4/11/2011	20.38	6.33	14.05
IMW-30	10/3/2011	20.38	11.09	9.29
IMW-30	4/2/2012	20.38	6.58	13.80
IMW-30	10/1/2012	20.38	11.11	9.27
IMW-30	4/1/2013	20.38	9.43	10.95

Table 2
Groundwater Elevation Data
 Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
Temporary Groundwater Monitoring Wells (Support Pilot Studies)				
IMW-30	10/7/2013	20.38	11.89	8.49
IMW-30	3/28/2014	20.38	9.88	10.50
IMW-30	10/1/2014	20.38	12.30	8.08
IMW-30	4/1/2015	20.38	10.56	9.82
IMW-30	10/5/2015	20.38	12.94	7.44
IMW-30	4/4/2016	20.38	7.61	12.77
IMW-30	10/3/2016	20.38	12.48	7.90
IMW-30	4/3/2017	20.38	5.88	14.50
IMW-30	10/2/2017	20.38	12.13	8.25
IMW-30	4/2/2018	20.38	7.58	12.80
IMW-31	11/2/2009	20.11	10.69	9.42
IMW-31	2/1/2010	20.11	6.97	13.14
IMW-31	5/3/2010	20.11	7.63	12.48
IMW-31	8/2/2010	20.11	10.34	9.77
IMW-31	11/1/2010	20.11	11.27	8.84
IMW-31	4/11/2011	20.11	6.34	13.77
IMW-31	10/3/2011	20.11	10.91	9.20
IMW-31	4/2/2012	20.11	6.58	13.53
IMW-31	10/1/2012	20.11	11.02	9.09
IMW-31	4/1/2013	20.11	9.53	10.58
IMW-31	10/7/2013	20.11	11.83	8.28
IMW-31	3/28/2014	20.11	9.86	10.25
IMW-31	10/1/2014	20.11	12.26	7.85
IMW-31	4/1/2015	20.11	10.51	9.60
IMW-31	10/5/2015	20.11	12.90	7.21
IMW-31	4/4/2016	20.11	7.62	12.49
IMW-31	10/3/2016	20.11	12.38	7.73
IMW-31	4/3/2017	20.11	5.89	14.22
IMW-31	10/2/2017	20.11	12.03	8.08
IMW-31	4/2/2018	20.11	7.52	12.59
IMW-32	11/2/2009	20.76	11.18	9.58
IMW-32	2/1/2010	20.76	8.21	12.55
IMW-32	5/3/2010	20.76	8.86	11.90
IMW-32	8/2/2010	20.76	10.93	9.83
IMW-32	11/1/2010	20.76	11.57	9.19
IMW-32	4/11/2011	20.76	7.87	12.89
IMW-32	10/3/2011	20.76	11.41	9.35
IMW-32	4/2/2012	20.76	8.08	12.68
IMW-32	10/1/2012	20.76	11.54	9.22
IMW-32	4/1/2013	20.76	10.40	10.36
IMW-32	10/7/2013	20.76	12.04	8.72
IMW-32	3/28/2014	20.76	10.31	10.45
IMW-32	10/1/2014	20.76	12.53	8.23
IMW-32	4/1/2015	20.76	11.03	9.73
IMW-32	10/5/2015	20.76	13.12	7.64
IMW-32	4/4/2016	20.76	8.76	12.00
IMW-32	10/3/2016	20.76	12.68	8.08
IMW-32	4/3/2017	20.76	7.51	13.25
IMW-32	10/2/2017	20.76	12.40	8.36
IMW-32	4/2/2018	20.76	8.90	11.86
IMW-33	11/2/2009	20.01	10.61	9.40

Table 2
Groundwater Elevation Data
 Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
Temporary Groundwater Monitoring Wells (Support Pilot Studies)				
IMW-33	2/1/2010	20.01	6.92	13.09
IMW-33	5/3/2010	20.01	7.51	12.50
IMW-33	8/2/2010	20.01	10.26	9.75
IMW-33	11/1/2010	20.01	11.21	8.80
IMW-33	4/11/2011	20.01	6.22	13.79
IMW-33	10/3/2011	20.01	10.83	9.18
IMW-33	4/2/2012	20.01	6.46	13.55
IMW-33	10/1/2012	20.01	10.91	9.10
IMW-33	4/1/2013	20.01	9.44	10.57
IMW-33	10/7/2013	20.01	11.75	8.26
IMW-33	3/28/2014	20.01	9.77	10.24
IMW-33	10/1/2014	20.01	12.20	7.81
IMW-33	4/1/2015	20.01	10.43	9.58
IMW-33	10/5/2015	20.01	13.84	6.17
IMW-33	4/4/2016	20.01	7.50	12.51
IMW-33	10/3/2016	20.01	12.25	7.76
IMW-33	4/3/2017	20.01	5.69	14.32
IMW-33	10/2/2017	20.01	11.93	8.08
IMW-33	4/2/2018	20.01	7.42	12.59
IMW-42	4/11/2011	18.36	9.46	8.90
IMW-42	4/2/2012	18.36	9.84	8.52
IMW-42	10/1/2012	18.36	13.46	4.90
IMW-42	4/1/2013	18.36	11.45	6.91
IMW-42	10/7/2013	18.36	14.09	4.27
IMW-42	3/28/2014	18.36	13.33	5.03
IMW-42	10/1/2014	18.36	13.98	4.38
IMW-42	4/1/2015	18.36	10.20	8.16
IMW-42	10/5/2015	18.36	14.40	3.96
IMW-42	4/4/2016	18.36	9.13	9.23
IMW-42	10/3/2016	18.36	13.89	4.47
IMW-42	4/3/2017	18.36	7.60	10.76
IMW-42	10/2/2017	18.36	11.91	6.45
IMW-42	4/2/2018	18.36	7.01	11.35
IMW-43	4/11/2011	17.99	9.20	8.79
IMW-43	4/2/2012	17.99	11.49	6.50
IMW-43	10/1/2012	17.99	12.18	5.81
IMW-43	4/1/2013	17.99	11.80	6.19
IMW-43	10/7/2013	17.99	12.78	5.21
IMW-43	3/28/2014	17.99	12.48	5.51
IMW-43	10/1/2014	17.99	13.15	4.84
IMW-43	4/1/2015	17.99	12.97	5.02
IMW-43	10/5/2015	17.99	13.64	4.35
IMW-43	4/4/2016	17.99	12.14	5.85
IMW-43	10/3/2016	17.99	13.42	4.57
IMW-43	4/3/2017	17.99	11.33	6.66
IMW-43	10/2/2017	17.99	11.27	6.72
IMW-43	4/2/2018	17.99	11.37	6.62
IMW-44	4/11/2011	17.87	12.08	5.79
IMW-44	4/2/2012	17.87	11.50	6.37
IMW-44	10/1/2012	17.87	13.88	3.99
IMW-44	4/1/2013	17.87	12.78	5.09

Table 2
Groundwater Elevation Data
Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
Temporary Groundwater Monitoring Wells (Support Pilot Studies)				
IMW-44	10/7/2013	17.87	14.49	3.38
IMW-44	3/28/2014	17.87	12.92	4.95
IMW-44	10/1/2014	17.87	14.40	3.47
IMW-44	4/1/2015	17.87	13.48	4.39
IMW-44	10/5/2015	17.87	14.71	3.16
IMW-44	4/4/2016	17.87	12.24	5.63
IMW-44	10/3/2016	17.87	14.27	3.60
IMW-44	4/3/2017	17.87	11.25	6.62
IMW-44	10/2/2017	17.87	13.77	4.10
IMW-44	4/2/2018	17.87	11.73	6.14
IMW-45	4/11/2011	15.93	9.37	6.56
IMW-45	10/3/2011	15.93	10.69	5.24
IMW-45	4/2/2012	15.93	9.90	6.03
IMW-45	10/1/2012	15.93	11.08	4.85
IMW-45	4/1/2013	15.93	10.65	5.28
IMW-45	10/7/2013	15.93	11.88	4.05
IMW-45	3/28/2014	15.93	10.89	5.04
IMW-45	10/1/2014	15.93	11.98	3.95
IMW-45	4/1/2015	15.93	11.56	4.37
IMW-45	10/5/2015	15.93	12.34	3.59
IMW-45	4/4/2016	15.93	10.41	5.52
IMW-45	10/3/2016	15.93	12.12	3.81
IMW-45	4/3/2017	15.93	9.41	6.52
IMW-45	10/2/2017	15.93	11.68	4.25
IMW-45	4/2/2018	15.93	9.99	5.94
IMW-46	4/11/2011	15.52	8.33	7.19
IMW-46	10/3/2011	15.52	10.23	5.29
IMW-46	4/2/2012	15.52	9.17	6.35
IMW-46	10/1/2012	15.52	10.25	5.27
IMW-46	4/1/2013	15.52	9.74	5.78
IMW-46	10/7/2013	15.52	11.15	4.37
IMW-46	3/28/2014	15.52	10.11	5.41
IMW-46	10/1/2014	15.52	11.21	4.31
IMW-46	4/1/2015	15.52	10.45	5.07
IMW-46	10/5/2015	15.52	11.64	3.88
IMW-46	4/4/2016	15.52	9.42	6.10
IMW-46	10/3/2016	15.52	11.37	4.15
IMW-46	4/3/2017	15.52	7.82	7.70
IMW-46	10/2/2017	15.52	11.06	4.46
IMW-46	4/2/2018	15.52	9.05	6.47
IMW-47	4/11/2011	16.24	8.55	7.69
IMW-47	4/2/2012	16.24	9.88	6.36
IMW-47	4/1/2013	16.24	10.65	5.59
IMW-47	10/7/2013	16.24	11.55	4.69
IMW-47	3/28/2014	16.24	10.93	5.31
IMW-47	10/1/2014	16.24	11.89	4.35
IMW-47	4/1/2015	16.24	11.44	4.80
IMW-47	10/5/2015	16.24	12.34	3.90
IMW-47	4/4/2016	16.24	10.16	6.08
IMW-47	10/3/2016	16.24	11.97	4.27
IMW-47	4/3/2017	16.24	8.89	7.35

Table 2
Groundwater Elevation Data
Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
Temporary Groundwater Monitoring Wells (Support Pilot Studies)				
IMW-47	10/2/2017	16.24	10.45	5.79
IMW-47	4/2/2018	16.24	9.91	6.33
IMW-48	4/11/2011	17.59	10.15	7.44
IMW-48	4/2/2012	17.59	10.47	7.12
IMW-48	10/1/2012	17.59	11.65	5.94
IMW-48	4/1/2013	17.59	11.20	6.39
IMW-48	10/7/2013	17.59	12.22	5.37
IMW-48	3/28/2014	17.59	11.61	5.98
IMW-48	10/1/2014	17.59	11.50	6.09
IMW-48	4/1/2015	17.59	12.16	5.43
IMW-48	10/5/2015	17.59	12.81	4.78
IMW-48	4/4/2016	17.59	11.19	6.40
IMW-48	10/3/2016	17.59	12.74	4.85
IMW-48	4/3/2017	17.59	9.95	7.64
IMW-48	10/2/2017	17.59	11.88	5.71
IMW-48	4/2/2018	17.59	10.43	7.16
IMW-49	4/11/2011	11.79	5.31	6.48
IMW-49	10/3/2011	11.79	7.60	4.19
IMW-49	4/2/2012	11.79	3.48	8.31
IMW-49	10/1/2012	11.79	6.24	5.55
IMW-49	4/1/2013	11.79	5.12	6.67
IMW-49	10/7/2013	11.79	6.88	4.91
IMW-49	3/28/2014	11.79	5.04	6.75
IMW-49	10/1/2014	11.79	7.26	4.53
IMW-49	4/1/2015	11.79	5.77	6.02
IMW-49	10/5/2015	11.79	7.82	3.97
IMW-49	4/4/2016	11.79	4.49	7.30
IMW-49	10/3/2016	11.79	7.33	4.46
IMW-49	4/3/2017	11.79	3.85	7.94
IMW-49	10/2/2017	11.79	7.11	4.68
IMW-49	4/2/2018	11.78	3.92	7.86
IMW-50	4/11/2011	13.91	7.17	6.74
IMW-50	10/3/2011	13.91	12.11	1.80
IMW-50	4/2/2012	13.91	7.06	6.85
IMW-50	10/1/2012	13.91	8.37	5.54
IMW-50	4/1/2013	13.91	10.60	3.31
IMW-50	10/7/2013	13.91	8.70	5.21
IMW-50	3/28/2014	13.91	7.11	6.80
IMW-50	10/1/2014	13.91	9.02	4.98
IMW-50	4/1/2015	13.91	7.78	6.13
IMW-50	10/5/2015	13.91	9.85	4.06
IMW-50	4/4/2016	13.91	6.86	7.05
IMW-50	10/3/2016	13.91	9.14	4.77
IMW-50	4/3/2017	13.91	6.31	7.60
IMW-50	10/2/2017	13.91	9.50	4.41
IMW-50	4/2/2018	13.91	6.34	7.57
IMW-57	10/3/2011	11.88	6.18	5.70
IMW-57	10/1/2012	11.88	5.82	6.06
IMW-57	4/1/2013	11.88	4.87	7.01
IMW-57	10/7/2013	11.88	6.45	5.43
IMW-57	3/28/2014	11.88	5.11	6.77

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
Temporary Groundwater Monitoring Wells (Support Pilot Studies)				
IMW-57	10/1/2014	11.88	6.98	4.90
IMW-57	4/1/2015	11.88	5.84	6.04
IMW-57	10/5/2015	11.88	7.54	4.34
IMW-57	4/4/2016	11.88	4.45	7.43
IMW-57	10/3/2016	11.88	7.20	4.68
IMW-57	4/3/2017	11.88	3.96	7.92
IMW-57	10/2/2017	11.88	7.00	4.88
IMW-57	4/2/2018	11.88	4.00	7.88
IMW-58	5/2/2013	14.89	8.87	6.02
IMW-58	10/7/2013	14.89	10.19	4.70
IMW-58	3/28/2014	14.89	8.61	6.28
IMW-58	10/1/2014	14.89	10.39	4.50
IMW-58	4/1/2015	14.89	9.13	5.76
IMW-58	10/5/2015	14.89	10.65	4.24
IMW-58	4/4/2016	14.89	7.31	7.58
IMW-58	10/3/2016	14.89	10.50	4.39
IMW-58	4/3/2017	14.89	5.87	9.02
IMW-58	10/2/2017	14.89	10.19	4.70
IMW-58	4/2/2018	14.89	7.25	7.64
IMW-59	5/2/2013	18.83	8.54	10.29
IMW-59	10/7/2013	18.83	11.77	7.06
IMW-59	3/28/2014	18.83	10.23	8.60
IMW-59	10/1/2014	18.83	12.20	6.63
IMW-59	4/1/2015	18.83	10.69	8.14
IMW-59	10/5/2015	18.83	12.74	6.09
IMW-59	4/4/2016	18.83	8.51	10.32
IMW-59	10/3/2016	18.83	12.25	6.58
IMW-59	4/3/2017	18.83	6.89	11.94
IMW-59	10/2/2017	18.83	11.86	6.97
IMW-59	4/2/2018	18.83	7.80	11.03
IMW-60	5/2/2013	17.74	8.56	9.18
IMW-60	10/7/2013	17.74	11.47	6.27
IMW-60	3/28/2014	17.74	9.95	7.79
IMW-60	10/1/2014	17.74	11.84	5.90
IMW-60	4/1/2015	17.74	10.59	7.15
IMW-60	10/5/2015	17.74	12.42	5.32
IMW-60	4/4/2016	17.74	8.76	8.98
IMW-60	10/3/2016	17.74	12.02	5.72
IMW-60	4/3/2017	17.74	7.52	10.22
IMW-60	10/2/2017	17.74	11.73	6.01
IMW-60	4/2/2018	17.74	8.34	9.40
IMW-61	5/2/2013	17.97	8.15	9.82
IMW-61	10/7/2013	17.97	10.95	7.02
IMW-61	3/28/2014	17.97	9.41	8.56
IMW-61	10/1/2014	17.97	11.41	6.56
IMW-61	4/1/2015	17.97	10.00	7.97
IMW-61	10/5/2015	17.97	11.95	6.02
IMW-61	4/4/2016	17.97	7.94	10.03
IMW-61	10/3/2016	17.97	11.54	6.43
IMW-61	4/3/2017	17.97	6.50	11.47
IMW-61	10/2/2017	17.97	11.25	6.72

Table 2
Groundwater Elevation Data
 Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>Temporary Groundwater Monitoring Wells (Support Pilot Studies)</i>				
<i>IMW-61</i>	<i>4/2/2018</i>	<i>17.97</i>	<i>7.45</i>	<i>10.52</i>
IMW-62	5/2/2013	16.76	8.94	7.82
IMW-62	10/7/2013	16.76	10.32	6.44
IMW-62	3/28/2014	16.76	8.37	8.39
IMW-62	10/1/2014	16.76	11.05	5.71
IMW-62	4/1/2015	16.76	9.49	7.27
IMW-62	10/5/2015	16.76	11.79	4.97
IMW-62	4/4/2016	16.76	8.20	8.56
IMW-62	10/3/2016	16.76	11.18	5.58
IMW-62	4/3/2017	16.76	7.34	9.42
IMW-62	10/2/2017	16.76	11.01	5.75
<i>IMW-62</i>	<i>4/2/2018</i>	<i>16.76</i>	<i>7.64</i>	<i>9.12</i>

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
DTSC Harborfront Wells				
DTSC-MW-1	4/27/2007	10.89	4.33	6.56
DTSC-MW-1	5/7/2007	10.89	4.42	6.47
DTSC-MW-1	8/6/2007	10.89	5.20	5.69
DTSC-MW-1	11/5/2007	10.89	5.68	5.21
DTSC-MW-1	2/2/2009	10.89	4.95	5.94
DTSC-MW-1	5/4/2009	10.89	4.44	6.45
DTSC-MW-1	8/3/2009	10.89	5.18	5.71
DTSC-MW-1	11/2/2009	10.89	4.64	6.25
DTSC-MW-1	2/1/2010	10.89	3.43	7.46
DTSC-MW-1	5/3/2010	10.89	4.15	6.74
DTSC-MW-1	8/2/2010	10.89	5.09	5.80
DTSC-MW-1	11/1/2010	10.89	5.17	5.72
DTSC-MW-1	4/11/2011	10.89	4.15	6.74
DTSC-MW-1	10/3/2011	10.89	5.14	5.75
DTSC-MW-1	4/2/2012	10.89	3.65	7.24
DTSC-MW-1	10/1/2012	10.89	5.50	5.39
DTSC-MW-1	4/1/2013	10.89	4.64	6.25
DTSC-MW-1	10/7/2013	10.89	5.72	5.17
DTSC-MW-1	3/28/2014	10.89	4.46	6.43
DTSC-MW-1	10/1/2014	10.89	6.15	4.74
DTSC-MW-1	4/1/2015	10.89	5.16	5.73
DTSC-MW-1	10/5/2015	10.89	6.92	3.97
DTSC-MW-1	4/4/2016	10.89	4.38	6.51
DTSC-MW-1	10/3/2016	10.89	6.22	4.67
DTSC-MW-1	4/3/2017	10.89	3.89	7.00
DTSC-MW-1	10/2/2017	10.89	6.06	4.83
DTSC-MW-1	4/2/2018	10.89	3.98	6.91
DTSC-MW-2	11/2/2009	7.54	2.44	5.10
DTSC-MW-2	2/1/2010	7.54	1.05	6.49
DTSC-MW-2	5/3/2010	7.54	2.15	5.39
DTSC-MW-2	8/2/2010	7.54	2.88	4.66
DTSC-MW-2	11/1/2010	7.54	NM	--
DTSC-MW-2	4/11/2011	7.54	NM	--
DTSC-MW-2	10/3/2011	7.54	2.86	4.68
DTSC-MW-2	4/2/2012	7.54	1.25	6.29
DTSC-MW-2	10/1/2012	7.54	3.08	4.46
DTSC-MW-2	4/1/2013	7.54	2.19	5.35
DTSC-MW-2	10/7/2013	7.54	3.35	4.19
DTSC-MW-2	3/28/2014	7.54	1.97	5.57
DTSC-MW-2	10/1/2014	7.54	3.57	3.97
DTSC-MW-2	4/1/2015	7.54	2.72	4.82
DTSC-MW-2	10/5/2015	7.54	4.14	3.40
DTSC-MW-2	4/4/2016	7.54	1.90	5.64
DTSC-MW-2	10/3/2016	7.54	3.82	3.72
DTSC-MW-2	4/3/2017	7.54	1.61	5.93
DTSC-MW-2	10/2/2017	7.54	3.76	3.78
DTSC-MW-2	4/2/2018	7.54	1.75	5.79
DTSC-MW-4	4/27/2007	12.80	3.29	9.51
DTSC-MW-4	5/7/2007	12.80	3.37	9.43
DTSC-MW-4	8/6/2007	12.80	4.35	8.45
DTSC-MW-4	11/5/2007	12.80	8.30	4.50

Table 2
Groundwater Elevation Data
 Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
<i>DTSC Harborfront Wells</i>				
DTSC-MW-4	2/2/2009	12.80	4.25	8.55
DTSC-MW-4	5/4/2009	12.80	3.64	9.16
DTSC-MW-4	8/3/2009	12.80	4.44	8.36
DTSC-MW-4	10/1/2014	12.80	8.38	2.19
DTSC-MW-4	11/2/2009	12.80	3.60	9.20
DTSC-MW-4	2/1/2010	12.80	2.51	10.29
DTSC-MW-4	5/3/2010	12.80	3.23	9.57
DTSC-MW-4	8/2/2010	12.80	4.21	8.59
DTSC-MW-4	11/1/2010	12.80	4.20	8.60
DTSC-MW-4	4/11/2011	12.80	2.99	9.81
DTSC-MW-4	4/11/2011	12.80	2.99	9.81
DTSC-MW-4	10/3/2011	12.80	4.53	8.27
DTSC-MW-4	4/2/2012	12.80	2.70	10.10
DTSC-MW-4	10/1/2012	12.80	5.14	7.66
DTSC-MW-4	4/1/2013	12.80	4.15	8.65
DTSC-MW-4	10/7/2013	12.80	5.36	7.44
DTSC-MW-4	3/28/2014	12.80	3.61	9.19
DTSC-MW-4	10/1/2014	12.80	6.36	6.44
DTSC-MW-4	4/1/2015	12.80	4.85	7.95
DTSC-MW-4	10/5/2015	12.80	7.52	5.28
DTSC-MW-4	4/4/2016	12.80	3.51	9.29
DTSC-MW-4	10/3/2016	12.80	6.77	6.03
DTSC-MW-4	4/3/2017	12.80	2.71	10.09
DTSC-MW-4	10/2/2017	12.80	6.77	6.03
<i>DTSC-MW-4</i>	<i>4/2/2018</i>	<i>12.80</i>	<i>3.15</i>	<i>9.65</i>

Notes:

-- = groundwater elevation not calculated

NGVD = National Geodetic Vertical Datum

NM = Not measured

Depth to water measurements were collected prior to well sampling.

Bold and Italicized font represents the water-level data measured during the Reporting Period.

¹ Monitoring well MW-25R was installed in the same location as the original MW-25 abandoned in 2008

Table 3
Sampling Analytical Results
Volatile Organic Compounds
Campus Bay, Richmond, CA

Lot/Location	Field ID	Sample Type	Sampled Date	Sample Horizon	Sample Location Relative to BAPB (Applicable to Lot 3 Wells Only)	1,1,1-trichloroethane	1,1,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,2-dichlorobenzene	1,2-dichloroethane	1,2-dichloropropane	1,4-dichlorobenzene	2-chlorotoluene	2-hexanone
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Drinking Water Standards Lots 1 and 2 (Upper and Lower Horizon)						-	1.00E+00	5.00E+00	6.00E+00	6.00E+02	5.00E-01	5.00E+00	5.00E+00	-	-
On-Site Commercial/ Industrial Worker Lots 1, 2, and 3 (Upper Horizon)						-	4.00E+02	6.30E+02	8.90E+03	4.70E+05	3.60E+02	3.70E+02	4.60E+02	8.90E+04	-
On-Site Groundskeeper/Maintenance Worker Lots 1, 2, and 3 (Upper Horizon)						-	2.10E+02	1.10E+03	6.30E+05	3.50E+05	2.90E+03	1.90E+03	1.90E+03	7.80E+04	-
On-Site Residential Lots 1, 2, and 3 (Upper Horizon)						-	1.30E+02	2.10E+02	1.90E+03	1.00E+05	1.20E+02	1.20E+02	1.50E+02	1.90E+04	-
5x Aquatic Criteria, Lot 3 (Upper Horizon, Near BAPB)						-	5.50E+02	2.10E+03	1.60E+02	8.50E+05	5.00E+03	2.00E+03	1.30E+05	-	-
40x Aquatic Criteria, Lot 3 (Upper Horizon, Uplands)						-	4.40E+03	1.70E+04	1.30E+03	6.80E+06	4.00E+04	1.60E+04	1.00E+06	-	-
160x Aquatic Criteria, Lot 3 (Lower Horizon)						-	1.80E+04	6.70E+04	5.10E+03	2.70E+07	1.60E+05	6.20E+04	4.20E+06	-	-
Storm-water Criteria, (Storm-water Outfalls)						-	1.10E+01	4.20E+01	3.20E+00	1.70E+04	9.90E+01	3.90E+01	2.60E+03	-	-
DTSC Harborfront	DTSC-MW-1	Primary	4/12/2018	Upper, offsite	NA	<0.5	<0.5	<0.5	<0.5	<0.5	3.2	<0.5	<0.5	<0.5	<10
DTSC Harborfront	DTSC-MW-2	Primary	4/12/2018	Upper, offsite	NA	<0.5	<0.5	<0.5	0.7	<0.5	1.1	<0.5	<0.5	<0.5	<10
DTSC Harborfront	DTSC-MW-4	Primary	4/12/2018	Upper, offsite	NA	<0.5	<0.5	<0.5	<0.5	<0.5	1.7	<0.5	<0.5	<0.5	<10
Lot 1	IMW-15	Primary	4/16/2018	Lower	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<40
Lot 1	IMW-16	Primary	4/16/2018	Lower	NA	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<50
Lot 1	IMW-17	Primary	4/16/2018	Lower	NA	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<25
Lot 1	IMW-29	Primary	4/12/2018	Lower	NA	<5	<5	<5	<5	<5	<5	<5	<5	<5	<100
Lot 1	IMW-32	Primary	4/13/2018	Lower	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 1	IMW-33	Primary	4/13/2018	Lower	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<40
Lot 1	IMW-1	Primary	4/5/2018	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 1	IMW-2	Primary	4/5/2018	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 1	IMW-3	Primary	4/5/2018	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 1	IMW-4	Primary	4/5/2018	Upper	NA	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 1	IMW-23	Primary	4/13/2018	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 1	IMW-25	Primary	4/13/2018	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 1	IMW-26	Primary	4/13/2018	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 1	IMW-27	Primary	4/13/2018	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 1	IMW-28	Primary	4/12/2018	Upper	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<20
Lot 1	IMW-30	Primary	4/13/2018	Upper	NA	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 1	IMW-31	Primary	4/16/2018	Upper	NA	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<63
Lot 1	MW-25R	Primary	4/13/2018	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 1	MW-26	Primary	4/13/2018	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 1	MW-26-D	Duplicate	4/13/2018	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 1	MW-27	Primary	4/12/2018	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 1	MW-30	Primary	4/16/2018	Upper	NA	<0.5	<0.5	<0.5	2.1	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 1	MW-33	Primary	4/12/2018	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 1	MW-33-D	Duplicate	4/12/2018	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 1	PZ-11	Primary	4/13/2018	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 1	PZ-11-D	Duplicate	4/13/2018	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 1	PZ-12	Primary	4/13/2018	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 2	IMW-5	Primary	4/11/2018	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 2	IMW-6	Primary	4/11/2018	Upper	NA	<0.5	<0.5	<0.5	<0.5	19	53	<0.5	<0.5	<0.5	<10
Lot 2	IMW-7	Primary	4/11/2018	Upper	NA	<1	<1	1.5	<1	3.2	970	<1	<1	<1	<20
Lot 2	IMW-7-D	Duplicate	4/11/2018	Upper	NA	<1	<1	1.6	<1	3.7	990	<1	<1	<1	<20

Table 3
Sampling Analytical Results
Volatile Organic Compounds
Campus Bay, Richmond, CA

Lot/Location	Field ID	Sample Type	Sampled Date	Sample Horizon	Sample Location Relative to BAPB (Applicable to Lot 3 Wells Only)	Acetone	Benzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	cis-1,2-dichloroethene	Methyl Ethyl Ketone	Methyl Tertiary Butyl Ether	Tetrachloroethene	Toluene	trans-1,2-dichloroethene	Trichloroethene	Vinyl chloride
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Drinking Water Standards Lots 1 and 2 (Upper and Lower Horizon)						-	1.00E+00	-	5.00E-01	7.00E+01	-	8.00E+01	6.00E+00			5.00E+00	1.50E+02	1.00E+01	5.00E+00	5.00E-01
On-Site Commercial/ Industrial Worker Lots 1, 2, and 3 (Upper Horizon)						3.70E+07	6.10E+01	7.60E+04	8.50E+00	1.10E+06	-	4.00E+02	3.40E+04	1.30E+07		1.10E+02	1.60E+05	3.10E+04	2.70E+02	3.60E+00
On-Site Groundskeeper/Maintenance Worker Lots 1, 2, and 3 (Upper Horizon)						2.20E+08	4.40E+02	1.30E+06	1.60E+02	1.40E+05	-	2.50E+03	2.70E+05	1.40E+08		2.20E+01	5.70E+05	5.10E+05	8.90E+02	3.00E+02
On-Site Residential Lots 1, 2, and 3 (Upper Horizon)						7.90E+06	2.00E+01	1.60E+04	2.80E+00	2.50E+05	-	1.30E+02	7.20E+03	2.80E+06		3.80E+01	3.50E+04	6.70E+03	1.10E+02	1.20E+00
5x Aquatic Criteria, Lot 3 (Upper Horizon, Near BAPB)						-	3.60E+03	-	2.20E+02	1.10E+06	-	2.40E+04				4.40E+02	1.00E+07	7.00E+06	4.10E+03	2.60E+04
40x Aquatic Criteria, Lot 3 (Upper Horizon, Uplands)						-	2.80E+04	-	1.80E+03	8.40E+06	-	1.90E+05				3.50E+03	8.00E+07	5.60E+07	3.20E+04	2.10E+05
160x Aquatic Criteria, Lot 3 (Lower Horizon)						-	1.10E+05	-	7.00E+03	3.40E+07	-	7.50E+05				1.40E+04	3.20E+08	2.20E+08	1.30E+05	8.40E+05
Storm-water Criteria, (Storm-water Outfalls)						-	7.10E+01	-	4.40E+00	2.10E+04	-	4.70E+02				8.90E+00	2.00E+05	1.40E+05	8.10E+01	5.30E+02
DTSC Harborfront	DTSC-MW-1	Primary	4/12/2018	Upper, offsite	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	1.3	<10	<0.5	<0.5	<0.5	<0.5	44	<0.5
DTSC Harborfront	DTSC-MW-2	Primary	4/12/2018	Upper, offsite	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	1.4	<10	<0.5	<0.5	<0.5	<0.5	13	<0.5
DTSC Harborfront	DTSC-MW-4	Primary	4/12/2018	Upper, offsite	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	0.7	<10	<0.5	<0.5	<0.5	<0.5	48	<0.5
Lot 1	IMW-15	Primary	4/16/2018	Lower	NA	<40	<2	<2	<2	<2	<4	<2	340	<40	<2	<2	<2	<2	<2	63
Lot 1	IMW-16	Primary	4/16/2018	Lower	NA	<50	<2.5	<2.5	<2.5	<2.5	<5	<2.5	390	<50	<2.5	<2.5	<2.5	3	18	17
Lot 1	IMW-17	Primary	4/16/2018	Lower	NA	<25	<1.3	<1.3	<1.3	<1.3	<2.5	<1.3	180	<25	<1.3	<1.3	<1.3	<1.3	6.7	<1.3
Lot 1	IMW-29	Primary	4/12/2018	Lower	NA	<100	<5	<5	<5	<5	<10	<5	670	<100	<5	<5	<5	12	5.7	610
Lot 1	IMW-32	Primary	4/13/2018	Lower	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 1	IMW-33	Primary	4/13/2018	Lower	NA	<40	<2	<2	<2	<2	<4	<2	440	<40	<2	<2	<2	<2	3.4	8.3
Lot 1	IMW-1	Primary	4/5/2018	Upper	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	1.3	<10	<0.5	<0.5	<0.5	<0.5	<0.5	1.4
Lot 1	IMW-2	Primary	4/5/2018	Upper	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	2.8	<10	<0.5	<0.5	<0.5	<0.5	<0.5	5.9
Lot 1	IMW-3	Primary	4/5/2018	Upper	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	2	<10	<0.5	<0.5	<0.5	<0.5	<0.5	5
Lot 1	IMW-4	Primary	4/5/2018	Upper	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	2.5	<10	<0.5	<0.5	<0.5	<0.5	0.6	2.3
Lot 1	IMW-23	Primary	4/13/2018	Upper	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	4.1	<10	<0.5	1.1	<0.5	<0.5	11	<0.5
Lot 1	IMW-25	Primary	4/13/2018	Upper	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	1.2	<0.5
Lot 1	IMW-26	Primary	4/13/2018	Upper	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	3.8	<10	<0.5	1	<0.5	<0.5	4.8	24
Lot 1	IMW-27	Primary	4/13/2018	Upper	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	9.2	<10	<0.5	21	<0.5	<0.5	30	5.1
Lot 1	IMW-28	Primary	4/12/2018	Upper	NA	<20	<1	<1	<1	<1	<2	<1	170	<20	<1	6.8	<1	2.6	180	170
Lot 1	IMW-30	Primary	4/13/2018	Upper	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	230	<10	<0.5	<0.5	<0.5	1.8	320	1.2
Lot 1	IMW-31	Primary	4/16/2018	Upper	NA	<63	<3.1	<3.1	<3.1	<3.1	<6.3	<3.1	290	<63	<3.1	<3.1	<3.1	<3.1	3.8	7.4
Lot 1	MW-25R	Primary	4/13/2018	Upper	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	72	<10	<0.5	80	<0.5	0.7	40	8.8
Lot 1	MW-26	Primary	4/13/2018	Upper	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 1	MW-26-D	Duplicate	4/13/2018	Upper	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 1	MW-27	Primary	4/12/2018	Upper	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	1	<10	<0.5	<0.5	<0.5	<0.5	2.5	<0.5
Lot 1	MW-30	Primary	4/16/2018	Upper	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	3.8	<10	<0.5	<0.5	<0.5	<0.5	8.3	0.6
Lot 1	MW-33	Primary	4/12/2018	Upper	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	2.2	<0.5
Lot 1	MW-33-D	Duplicate	4/12/2018	Upper	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	2.2	<0.5
Lot 1	PZ-11	Primary	4/13/2018	Upper	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	27	<10	<0.5	0.8	<0.5	5	12	47
Lot 1	PZ-11-D	Duplicate	4/13/2018	Upper	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	26	<10	<0.5	0.7	<0.5	4.9	12	45
Lot 1	PZ-12	Primary	4/13/2018	Upper	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	31
Lot 2	IMW-5	Primary	4/11/2018	Upper	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	96	<10	<0.5	<0.5	<0.5	<0.5	<0.5	12
Lot 2	IMW-6	Primary	4/11/2018	Upper	NA	<10	<0.5	<0.5	<0.5	0.5	<1	<0.5	13	<10	<0.5	1.6	<0.5	1.3	6.9	1.4
Lot 2	IMW-7	Primary	4/11/2018	Upper	NA	<20	<1	<1	<1	<1	<20	<1	5.4	<20	<1	<1	<1	<1	1.3	<1
Lot 2	IMW-7-D	Duplicate	4/11/2018	Upper	NA	<20	<1	<1	<1	<1	<20	<1	5.6	<20	<1	<1	<1	<1	1.4	1.1

Table 3
Sampling Analytical Results
Volatile Organic Compounds
Campus Bay, Richmond, CA

Lot/Location	Field ID	Sample Type	Sampled Date	Sample Horizon	Sample Location Relative to BAPB (Applicable to Lot 3 Wells Only)	1,1,1-trichloroethane	1,1,1,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,2-dichlorobenzene	1,2-dichloroethane	1,2-dichloropropane	1,4-dichlorobenzene	2-chlorotoluene	2-hexanone
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Drinking Water Standards Lots 1 and 2 (Upper and Lower Horizon)						-	1.00E+00	5.00E+00	6.00E+00	6.00E+02	5.00E-01	5.00E+00	5.00E+00	-	-
On-Site Commercial/ Industrial Worker Lots 1, 2, and 3 (Upper Horizon)						-	4.00E+02	6.30E+02	8.90E+03	4.70E+05	3.60E+02	3.70E+02	4.60E+02	8.90E+04	-
On-Site Groundskeeper/Maintenance Worker Lots 1, 2, and 3 (Upper Horizon)						-	2.10E+02	1.10E+03	6.30E+05	3.50E+05	2.90E+03	1.90E+03	1.90E+03	7.80E+04	-
On-Site Residential Lots 1, 2, and 3 (Upper Horizon)						-	1.30E+02	2.10E+02	1.90E+03	1.00E+05	1.20E+02	1.20E+02	1.50E+02	1.90E+04	-
5x Aquatic Criteria, Lot 3 (Upper Horizon, Near BAPB)						-	5.50E+02	2.10E+03	1.60E+02	8.50E+05	5.00E+03	2.00E+03	1.30E+05	-	-
40x Aquatic Criteria, Lot 3 (Upper Horizon, Uplands)						-	4.40E+03	1.70E+04	1.30E+03	6.80E+06	4.00E+04	1.60E+04	1.00E+06	-	-
160x Aquatic Criteria, Lot 3 (Lower Horizon)						-	1.80E+04	6.70E+04	5.10E+03	2.70E+07	1.60E+05	6.20E+04	4.20E+06	-	-
Storm-water Criteria, (Storm-water Outfalls)						-	1.10E+01	4.20E+01	3.20E+00	1.70E+04	9.90E+01	3.90E+01	2.60E+03	-	-
Lot 2	IMW-8	Primary	4/11/2018	Upper	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<20
Lot 2	IMW-22	Primary	4/11/2018	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	<0.5	<10
Lot 2	MW-24	Primary	4/11/2018	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	<10
Lot 2	MW-31	Primary	4/16/2018	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	2.1	<0.5	<0.5	<0.5	<10
Lot 3	MW-10B	Primary	4/4/2018	Lower	DG of BAPB	<0.5	5.2	<0.5	<0.5	<0.5	4.5	1.2	<0.5	<0.5	<10
Lot 3	MW-11B	Primary	4/5/2018	Lower	DG of BAPB	<31	<31	<31	<31	<31	38	<31	<31	<31	<630
Lot 3	MW-32B	Primary	4/10/2018	Lower	UG of BAPB	<10	<10	<10	<10	<10	49	<10	<10	<10	<200
Lot 3	IMW-42	Primary	4/10/2018	Upper	UG of BAPB	<1.7	2.3	7.9	2	<1.7	24	<1.7	<1.7	<1.7	<33
Lot 3	IMW-43	Primary	4/9/2018	Upper	UG of BAPB	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<33
Lot 3	IMW-45	Primary	4/10/2018	Upper	UG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 3	IMW-48	Primary	4/9/2018	Upper	UG of BAPB	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<33
Lot 3	IMW-50	Primary	4/11/2018	Upper	UG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<10
Lot 3	IMW-57	Primary	4/11/2018	Upper	UG of BAPB	<3.1	<3.1	<3.1	<3.1	390	17	<3.1	15	<3.1	<63
Lot 3	IMW-58	Primary	4/9/2018	Upper	UG of BAPB	<1.3	<1.3	<1.3	<1.3	<1.3	11	<1.3	<1.3	<1.3	<25
Lot 3	IMW-58-D	Duplicate	4/9/2018	Upper	UG of BAPB	<1.3	<1.3	<1.3	<1.3	<1.3	11	<1.3	<1.3	<1.3	<25
Lot 3	IMW-59	Primary	4/10/2018	Upper	UG of BAPB	<1	<1	<1	<1	100	2.5	<1	1.5	<1	<20
Lot 3	IMW-60	Primary	4/10/2018	Upper	UG of BAPB	<0.5	<0.5	<0.5	<0.5	10	1	<0.5	0.5	<0.5	<10
Lot 3	IMW-61	Primary	4/11/2018	Upper	UG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 3	IMW-62	Primary	4/11/2018	Upper	UG of BAPB	<5	<5	<5	<5	<5	<5	<5	<5	<5	<100
Lot 3	MW-18	Primary	4/10/2018	Upper	UG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 3	MW-19	Primary	4/10/2018	Upper	UG of BAPB	<2.5	<2.5	<2.5	4.9	<2.5	<2.5	<2.5	<2.5	<2.5	<50
Lot 3	MW-19-D	Duplicate	4/10/2018	Upper	UG of BAPB	<2.5	<2.5	<2.5	5.4	<2.5	<2.5	<2.5	<2.5	<2.5	<50
Lot 3	MW-20	Primary	4/10/2018	Upper	UG of BAPB	<25	<25	<25	<25	<25	<25	<25	<25	<25	<500
Lot 3	MW-21	Primary	4/9/2018	Upper	UG of BAPB	<1.3	<1.3	<1.3	<1.3	4.9	<1.3	<1.3	<1.3	<1.3	<25
Lot 3	MW-22	Primary	4/9/2018	Upper	UG of BAPB	<4.2	<4.2	<4.2	<4.2	<4.2	75	<4.2	<4.2	<4.2	<83
Lot 3	MW-23	Primary	4/10/2018	Upper	UG of BAPB	<0.5	<0.5	<0.5	0.6	0.6	4.2	<0.5	<0.5	<0.5	<10
Lot 3	MW-32A	Primary	4/10/2018	Upper	UG of BAPB	<3.6	82	<3.6	<3.6	<3.6	23	<3.6	<3.6	<3.6	<71
Lot 3	PZ-10	Primary	4/9/2018	Upper	UG of BAPB	<0.5	<0.5	<0.5	<0.5	0.8	1.2	<0.5	<0.5	<0.5	<10
Lot 3	MW-1	Primary	4/4/2018	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 3	MW-2	Primary	4/6/2018	Upper	Immediately UG	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 3	MW-3	Primary	4/4/2018	Upper	In BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 3	MW-4	Primary	4/4/2018	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 3	MW-4-D	Duplicate	4/4/2018	Upper	DG of BAPB	<1	<1	<1	<1	<1	<1	<1	<1	<1	<20
Lot 3	MW-5	Primary	4/4/2018	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10

Table 3
Sampling Analytical Results
Volatile Organic Compounds
Campus Bay, Richmond, CA

Lot/Location	Field ID	Sample Type	Sampled Date	Sample Horizon	Sample Location Relative to BAPB (Applicable to Lot 3 Wells Only)	Acetone	Benzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	cis-1,2-dichloroethene	Methyl Ethyl Ketone	Methyl Tertiary Butyl Ether	Tetrachloroethene	Toluene	trans-1,2-dichloroethene	Trichloroethene	Vinyl chloride
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Drinking Water Standards Lots 1 and 2 (Upper and Lower Horizon)						-	1.00E+00	-	5.00E-01	7.00E+01	-	8.00E+01	6.00E+00			5.00E+00	1.50E+02	1.00E+01	5.00E+00	5.00E-01
On-Site Commercial/ Industrial Worker Lots 1, 2, and 3 (Upper Horizon)						3.70E+07	6.10E+01	7.60E+04	8.50E+00	1.10E+06	-	4.00E+02	3.40E+04	1.30E+07		1.10E+02	1.60E+05	3.10E+04	2.70E+02	3.60E+00
On-Site Groundskeeper/Maintenance Worker Lots 1, 2, and 3 (Upper Horizon)						2.20E+08	4.40E+02	1.30E+06	1.60E+02	1.40E+05	-	2.50E+03	2.70E+05	1.40E+08		2.20E+01	5.70E+05	5.10E+05	8.90E+02	3.00E+02
On-Site Residential Lots 1, 2, and 3 (Upper Horizon)						7.90E+06	2.00E+01	1.60E+04	2.80E+00	2.50E+05	-	1.30E+02	7.20E+03	2.80E+06		3.80E+01	3.50E+04	6.70E+03	1.10E+02	1.20E+00
5x Aquatic Criteria, Lot 3 (Upper Horizon, Near BAPB)						-	3.60E+03	-	2.20E+02	1.10E+06	-	2.40E+04				4.40E+02	1.00E+07	7.00E+06	4.10E+03	2.60E+04
40x Aquatic Criteria, Lot 3 (Upper Horizon, Uplands)						-	2.80E+04	-	1.80E+03	8.40E+06	-	1.90E+05				3.50E+03	8.00E+07	5.60E+07	3.20E+04	2.10E+05
160x Aquatic Criteria, Lot 3 (Lower Horizon)						-	1.10E+05	-	7.00E+03	3.40E+07	-	7.50E+05				1.40E+04	3.20E+08	2.20E+08	1.30E+05	8.40E+05
Storm-water Criteria, (Storm-water Outfalls)						-	7.10E+01	-	4.40E+00	2.10E+04	-	4.70E+02				8.90E+00	2.00E+05	1.40E+05	8.10E+01	5.30E+02
Lot 2	IMW-8	Primary	4/11/2018	Upper	NA	<20	<1	<1	<1	<1	<2	<1	110	<20	<1	<1	<1	<1	2.1	35
Lot 2	IMW-22	Primary	4/11/2018	Upper	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	9.8	<10	<0.5	<0.5	<0.5	<0.5	<0.5	3.8
Lot 2	MW-24	Primary	4/11/2018	Upper	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<10	<0.5	1.1	2.2	<0.5	<0.5	<0.5
Lot 2	MW-31	Primary	4/16/2018	Upper	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	16	<0.5
Lot 3	MW-10B	Primary	4/4/2018	Lower	DG of BAPB	<10	<0.5	<0.5	<0.5	0.8	<1	23	<0.5	<10	<0.5	8.7	<0.5	<0.5	6.7	<0.5
Lot 3	MW-11B	Primary	4/5/2018	Lower	DG of BAPB	<630	<31	<31	<31	3400	<63	<31	<31	<630	<31	50	<31	<31	33	<31
Lot 3	MW-32B	Primary	4/10/2018	Lower	UG of BAPB	<200	<10	<10	<10	1900	<20	<25	<25	<200	<10	200	<10	<10	95	<10
Lot 3	IMW-42	Primary	4/10/2018	Upper	UG of BAPB	<33	<1.7	<1.7	<1.7	14	<3.3	1.8	350	<33	<1.7	190	<1.7	4.9	46	1.9
Lot 3	IMW-43	Primary	4/9/2018	Upper	UG of BAPB	<33	<1.7	<1.7	<1.7	<1.7	<3.3	<1.7	100	<33	<1.7	4.5	<1.7	<1.7	<1.7	<1.7
Lot 3	IMW-45	Primary	4/10/2018	Upper	UG of BAPB	23	1.5	2.4	<0.5	25	<1	<0.5	10	<10	<0.5	<0.5	<0.5	1	2.1	4.5
Lot 3	IMW-48	Primary	4/9/2018	Upper	UG of BAPB	160	3.4	2.2	<1.7	120	<3.3	<1.7	160	<33	<1.7	70	<1.7	<1.7	15	<1.7
Lot 3	IMW-50	Primary	4/11/2018	Upper	UG of BAPB	<10	<0.5	<0.5	<0.5	8.3	<1	<0.5	98	<10	<0.5	<0.5	<0.5	1.3	<0.5	12
Lot 3	IMW-57	Primary	4/11/2018	Upper	UG of BAPB	<63	80	<3.1	<3.1	350	<6.3	<3.1	99	<63	<3.1	<3.1	3.6	<3.1	<3.1	71
Lot 3	IMW-58	Primary	4/9/2018	Upper	UG of BAPB	<25	<1.3	<1.3	170	11	<2.5	41	1.9	<25	<1.3	1.7	<1.3	<1.3	56	<1.3
Lot 3	IMW-58-D	Duplicate	4/9/2018	Upper	UG of BAPB	<25	<1.3	<1.3	160	12	<2.5	43	2.1	<25	<1.3	<1.3	<1.3	<1.3	57	<1.3
Lot 3	IMW-59	Primary	4/10/2018	Upper	UG of BAPB	<20	4.9	<1	<1	45	<2	<1	6.9	<20	<1	2.3	<1	<1	4.4	<1
Lot 3	IMW-60	Primary	4/10/2018	Upper	UG of BAPB	<10	<0.5	<0.5	<0.5	4.4	<1	0.8	1.4	<10	<0.5	15	<0.5	<0.5	2.9	<0.5
Lot 3	IMW-61	Primary	4/11/2018	Upper	UG of BAPB	<10	<0.5	<0.5	<0.5	0.5	<1	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	0.6	<0.5
Lot 3	IMW-62	Primary	4/11/2018	Upper	UG of BAPB	<100	<5	<5	<5	12	<10	<5	710	<100	<5	66	<5	<5	170	85
Lot 3	MW-18	Primary	4/10/2018	Upper	UG of BAPB	<10	<0.5	<0.5	<0.5	1.1	<1	<0.5	<0.5	<10	<0.5	71	<0.5	<0.5	4.4	<0.5
Lot 3	MW-19	Primary	4/10/2018	Upper	UG of BAPB	<50	<2.5	<2.5	<2.5	6.5	<5	<2.5	330	<50	<2.5	45	<2.5	33	63	340
Lot 3	MW-19-D	Duplicate	4/10/2018	Upper	UG of BAPB	<50	<2.5	<2.5	<2.5	6	<5	<2.5	310	<50	<2.5	50	<2.5	42	68	370
Lot 3	MW-20	Primary	4/10/2018	Upper	UG of BAPB	<500	<25	<25	<25	3100	<50	<25	<25	<500	<25	27	<25	<25	26	<25
Lot 3	MW-21	Primary	4/9/2018	Upper	UG of BAPB	<25	<1.3	<1.3	<1.3	4.2	<2.5	1.6	40	<25	<1.3	190	<1.3	<1.3	36	<1.3
Lot 3	MW-22	Primary	4/9/2018	Upper	UG of BAPB	<83	<4.2	<4.2	<4.2	130	<8.3	<4.2	8	<83	<4.2	4.8	<4.2	<4.2	400	<4.2
Lot 3	MW-23	Primary	4/10/2018	Upper	UG of BAPB	<10	1.1	<0.5	<0.5	67	<1	<0.5	10	<10	<0.5	3.9	<0.5	<0.5	12	<0.5
Lot 3	MW-32A	Primary	4/10/2018	Upper	UG of BAPB	<71	5.7	<3.6	<3.6	620	<7.1	120	10	<71	<3.6	440	<3.6	<3.6	150	<3.6
Lot 3	PZ-10	Primary	4/9/2018	Upper	UG of BAPB	<10	0.7	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-1	Primary	4/4/2018	Upper	DG of BAPB	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-2	Primary	4/6/2018	Upper	Immediately UG	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	15	<10	<0.5	<0.5	<0.5	0.6	<0.5	2.5
Lot 3	MW-3	Primary	4/4/2018	Upper	In BAPB	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	2.3	<10	<0.5	<0.5	<0.5	<0.5	<0.5	1.7
Lot 3	MW-4	Primary	4/4/2018	Upper	DG of BAPB	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	9.1	<10	<0.5	<0.5	<0.5	<0.5	<0.5	0.6
Lot 3	MW-4-D	Duplicate	4/4/2018	Upper	DG of BAPB	<20	<1	<1	<1	<1	<2	<1	6.5	<20	<1	<1	<1	<1	<1	<1
Lot 3	MW-5	Primary	4/4/2018	Upper	DG of BAPB	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	17	<10	<0.5	<0.5	<0.5	<0.5	<0.5	1.4

Table 3
Sampling Analytical Results
Volatile Organic Compounds
Campus Bay, Richmond, CA

Lot/Location	Field ID	Sample Type	Sampled Date	Sample Horizon	Sample Location Relative to BAPB (Applicable to Lot 3 Wells Only)	1,1,1-trichloroethane	1,1,1,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,2-dichlorobenzene	1,2-dichloroethane	1,2-dichloropropane	1,4-dichlorobenzene	2-chlorotoluene	2-hexanone
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Drinking Water Standards Lots 1 and 2 (Upper and Lower Horizon)						-	1.00E+00	5.00E+00	6.00E+00	6.00E+02	5.00E-01	5.00E+00	5.00E+00	-	-
On-Site Commercial/ Industrial Worker Lots 1, 2, and 3 (Upper Horizon)						-	4.00E+02	6.30E+02	8.90E+03	4.70E+05	3.60E+02	3.70E+02	4.60E+02	8.90E+04	-
On-Site Groundskeeper/Maintenance Worker Lots 1, 2, and 3 (Upper Horizon)						-	2.10E+02	1.10E+03	6.30E+05	3.50E+05	2.90E+03	1.90E+03	1.90E+03	7.80E+04	-
On-Site Residential Lots 1, 2, and 3 (Upper Horizon)						-	1.30E+02	2.10E+02	1.90E+03	1.00E+05	1.20E+02	1.20E+02	1.50E+02	1.90E+04	-
5x Aquatic Criteria, Lot 3 (Upper Horizon, Near BAPB)						-	5.50E+02	2.10E+03	1.60E+02	8.50E+05	5.00E+03	2.00E+03	1.30E+05	-	-
40x Aquatic Criteria, Lot 3 (Upper Horizon, Uplands)						-	4.40E+03	1.70E+04	1.30E+03	6.80E+06	4.00E+04	1.60E+04	1.00E+06	-	-
160x Aquatic Criteria, Lot 3 (Lower Horizon)						-	1.80E+04	6.70E+04	5.10E+03	2.70E+07	1.60E+05	6.20E+04	4.20E+06	-	-
Storm-water Criteria, (Storm-water Outfalls)						-	1.10E+01	4.20E+01	3.20E+00	1.70E+04	9.90E+01	3.90E+01	2.60E+03	-	-
Lot 3	MW-6	Primary	4/6/2018	Upper	Immediately UG	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 3	MW-7	Primary	4/4/2018	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	4	<0.5	<10
Lot 3	MW-8	Primary	4/6/2018	Upper	Immediately UG	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 3	MW-9	Primary	4/6/2018	Upper	In BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 3	MW-10A	Primary	4/9/2018	Upper	DG of BAPB	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<33
Lot 3	MW-11A	Primary	4/5/2018	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 3	MW-12	Primary	4/5/2018	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<10
Lot 3	MW-12-D	Duplicate	4/5/2018	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<10
Lot 3	MW-13	Primary	4/6/2018	Upper	Immediately UG	<1	<1	<1	<1	<1	1.1	<1	<1	<1	<20
Lot 3	MW-14	Primary	4/5/2018	Upper	In BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<10
Lot 3	MW-15	Primary	4/5/2018	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	<10
Lot 3	MW-28	Primary	4/4/2018	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Lot 3	MW-29	Primary	4/6/2018	Upper	Immediately UG	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<50
Lot 3	PZ-15	Primary	4/12/2018	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	3.1	2.7	<0.5	<0.5	<0.5	<10
Lot 3	PZ-16	Primary	4/12/2018	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
UC BGC	MW-34	Primary	4/3/2018	Upper, offsite	Immediately UG	<0.5	<0.5	<0.5	<0.5	<0.5	1.6	<0.5	<0.5	<0.5	<10
UC BGC	MW-36	Primary	4/3/2018	Upper, offsite	DG of BAPB	<1.7	<1.7	<1.7	<1.7	<1.7	2.5	<1.7	<1.7	<1.7	<33
UC BGC	MW-40	Primary	4/4/2018	Upper, offsite	In BAPB	<1	<1	<1	<1	<1	<1	<1	<1	<1	<20
UC BGC	MW-41	Primary	4/3/2018	Upper, offsite	In BAPB	<1.7	<1.7	<1.7	<1.7	<1.7	6.3	<1.7	<1.7	<1.7	<33
UC BGC	MW-42	Primary	4/3/2018	Upper, offsite	Immediately UG	<7.1	<7.1	<7.1	<7.1	<7.1	33	<7.1	<7.1	<7.1	<140
UC BGC	MW-42-D	Duplicate	4/3/2018	Upper, offsite	Immediately UG	<7.1	<7.1	<7.1	<7.1	<7.1	33	<7.1	<7.1	<7.1	<140
UC BGC	MW-43	Primary	4/3/2018	Upper, offsite	DG of BAPB	<8.3	<8.3	<8.3	<8.3	<8.3	46	<8.3	<8.3	<8.3	<170
UC BGC	MW-44	Primary	4/3/2018	Upper, offsite	Immediately UG	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
UC BGC	MW-45	Primary	4/3/2018	Upper, offsite	DG of BAPB	<0.5	<0.5	<0.5	0.7	<0.5	3	<0.5	<0.5	<0.5	<10
UC BGC	MW-46	Primary	4/3/2018	Upper, offsite	DG of BAPB	<1.7	<1.7	<1.7	<1.7	<1.7	3.6	<1.7	<1.7	<1.7	<33
Storm Water	002-010418	Primary	1/4/2018	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Storm Water	002-040718	Primary	4/7/2018	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Storm Water	003-010818	Primary	1/8/2018	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Storm Water	003-040718	Primary	4/7/2018	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10

Table 3
Sampling Analytical Results
Volatile Organic Compounds
Campus Bay, Richmond, CA

Lot/Location	Field ID	Sample Type	Sampled Date	Sample Horizon	Sample Location Relative to BAPB (Applicable to Lot 3 Wells Only)	Acetone	Benzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	cis-1,2-dichloroethene	Methyl Ethyl Ketone	Methyl Tertiary Butyl Ether	Tetrachloroethene	Toluene	trans-1,2-dichloroethene	Trichloroethene	Vinyl chloride
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Drinking Water Standards Lots 1 and 2 (Upper and Lower Horizon)						-	1.00E+00	-	5.00E-01	7.00E+01	-	8.00E+01	6.00E+00			5.00E+00	1.50E+02	1.00E+01	5.00E+00	5.00E-01
On-Site Commercial/ Industrial Worker Lots 1, 2, and 3 (Upper Horizon)						3.70E+07	6.10E+01	7.60E+04	8.50E+00	1.10E+06	-	4.00E+02	3.40E+04	1.30E+07		1.10E+02	1.60E+05	3.10E+04	2.70E+02	3.60E+00
On-Site Groundskeeper/Maintenance Worker Lots 1, 2, and 3 (Upper Horizon)						2.20E+08	4.40E+02	1.30E+06	1.60E+02	1.40E+05	-	2.50E+03	2.70E+05	1.40E+08		2.20E+01	5.70E+05	5.10E+05	8.90E+02	3.00E+02
On-Site Residential Lots 1, 2, and 3 (Upper Horizon)						7.90E+06	2.00E+01	1.60E+04	2.80E+00	2.50E+05	-	1.30E+02	7.20E+03	2.80E+06		3.80E+01	3.50E+04	6.70E+03	1.10E+02	1.20E+00
5x Aquatic Criteria, Lot 3 (Upper Horizon, Near BAPB)						-	3.60E+03	-	2.20E+02	1.10E+06	-	2.40E+04				4.40E+02	1.00E+07	7.00E+06	4.10E+03	2.60E+04
40x Aquatic Criteria, Lot 3 (Upper Horizon, Uplands)						-	2.80E+04	-	1.80E+03	8.40E+06	-	1.90E+05				3.50E+03	8.00E+07	5.60E+07	3.20E+04	2.10E+05
160x Aquatic Criteria, Lot 3 (Lower Horizon)						-	1.10E+05	-	7.00E+03	3.40E+07	-	7.50E+05				1.40E+04	3.20E+08	2.20E+08	1.30E+05	8.40E+05
Storm-water Criteria, (Storm-water Outfalls)						-	7.10E+01	-	4.40E+00	2.10E+04	-	4.70E+02				8.90E+00	2.00E+05	1.40E+05	8.10E+01	5.30E+02
Lot 3	MW-6	Primary	4/6/2018	Upper	Immediately UG	<10	0.5	<0.5	<0.5	2.2	<1	<0.5	24	<10	<0.5	<0.5	<0.5	0.9	0.5	1.5
Lot 3	MW-7	Primary	4/4/2018	Upper	DG of BAPB	<10	<0.5	<0.5	<0.5	0.8	<1	<0.5	4.6	<10	<0.5	<0.5	<0.5	<0.5	<0.5	0.7
Lot 3	MW-8	Primary	4/6/2018	Upper	Immediately UG	<10	<0.5	<0.5	<0.5	1.4	<1	<0.5	3.4	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-9	Primary	4/6/2018	Upper	In BAPB	<10	<0.5	<0.5	<0.5	0.9	<1	<0.5	3.4	<10	<0.5	<0.5	<0.5	<0.5	2.5	<0.5
Lot 3	MW-10A	Primary	4/9/2018	Upper	DG of BAPB	<33	<1.7	<1.7	<1.7	4.8	<3.3	<1.7	<1.7	<33	<1.7	<1.7	<1.7	<1.7	2.2	<1.7
Lot 3	MW-11A	Primary	4/5/2018	Upper	DG of BAPB	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-12	Primary	4/5/2018	Upper	DG of BAPB	<10	<0.5	<0.5	<0.5	6.5	<1	<0.5	2.5	<10	<0.5	<0.5	<0.5	<0.5	2	<0.5
Lot 3	MW-12-D	Duplicate	4/5/2018	Upper	DG of BAPB	<10	<0.5	<0.5	<0.5	6.4	<1	<0.5	2.5	<10	<0.5	<0.5	<0.5	<0.5	2	<0.5
Lot 3	MW-13	Primary	4/6/2018	Upper	Immediately UG	<20	<1	<1	<1	82	<2	<1	18	<20	<1	6.2	<1	<1	11	<1
Lot 3	MW-14	Primary	4/5/2018	Upper	In BAPB	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-15	Primary	4/5/2018	Upper	DG of BAPB	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-28	Primary	4/4/2018	Upper	DG of BAPB	<10	0.9	<0.5	<0.5	6.7	<1	<0.5	25	<10	<0.5	<0.5	<0.5	1.1	11	<0.5
Lot 3	MW-29	Primary	4/6/2018	Upper	Immediately UG	<50	5.5	<2.5	<2.5	520	<5	<2.5	49	<50	<2.5	4.5	<2.5	2.9	36	<2.5
Lot 3	PZ-15	Primary	4/12/2018	Upper	DG of BAPB	<10	<0.5	<0.5	<0.5	99	<1	<0.5	17	<10	<0.5	<0.5	<0.5	0.8	1.6	<0.5
Lot 3	PZ-16	Primary	4/12/2018	Upper	DG of BAPB	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
UC BGC	MW-34	Primary	4/3/2018	Upper, offsite	Immediately UG	<10	<0.5	<0.5	<0.5	30	<1	<0.5	2.2	<10	<0.5	7.6	<0.5	<0.5	23	<0.5
UC BGC	MW-36	Primary	4/3/2018	Upper, offsite	DG of BAPB	<33	<1.7	<1.7	<1.7	250	<3.3	<1.7	6.6	<33	<1.7	13	<1.7	<1.7	17	<1.7
UC BGC	MW-40	Primary	4/4/2018	Upper, offsite	In BAPB	<20	1.4	<0.5	<1	22	<2	<1	<1	<20	<1	<1	<1	<1	<1	<1
UC BGC	MW-41	Primary	4/3/2018	Upper, offsite	In BAPB	<33	<1.7	<1.7	<1.7	180	<3.3	<1.7	48	<33	<1.7	100	<1.7	<1.7	98	1.8
UC BGC	MW-42	Primary	4/3/2018	Upper, offsite	Immediately UG	<140	<7.1	<7.1	<7.1	850	<14	22	9.4	<140	<7.1	770	<7.1	<7.1	200	<7.1
UC BGC	MW-42-D	Duplicate	4/3/2018	Upper, offsite	Immediately UG	<140	<7.1	<7.1	<7.1	910	<14	22	9.8	<140	<7.1	840	<7.1	<7.1	200	<7.1
UC BGC	MW-43	Primary	4/3/2018	Upper, offsite	DG of BAPB	<170	<8.3	<8.3	<8.3	1200	<17	18	63	<170	<8.3	380	<8.3	<8.3	160	<8.3
UC BGC	MW-44	Primary	4/3/2018	Upper, offsite	Immediately UG	<10	<0.5	<0.5	<0.5	1.2	<1	<0.5	0.7	<10	0.5	<0.5	<0.5	<0.5	0.8	<0.5
UC BGC	MW-45	Primary	4/3/2018	Upper, offsite	DG of BAPB	<10	<0.5	<0.5	<0.5	11	<1	<0.5	43	<10	<0.5	2.1	<0.5	0.6	22	<0.5
UC BGC	MW-46	Primary	4/3/2018	Upper, offsite	DG of BAPB	<33	<1.7	<1.7	<1.7	220	<3.3	<1.7	3.8	<33	<1.7	18	<1.7	<1.7	18	<1.7
Storm Water	002-010418	Primary	1/4/2018	NA	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Storm Water	002-040718	Primary	4/7/2018	NA	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Storm Water	003-010818	Primary	1/8/2018	NA	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Storm Water	003-040718	Primary	4/7/2018	NA	NA	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table 3
Sampling Analytical Results
Volatile Organic Compounds
Campus Bay, Richmond, CA


Abbreviations:

<0.50 = Concentration not detected at or above indicated laboratory reporting limit.
- = Sample not analyzed or criteria not available
Duplicate = Duplicate sample collected from a well
Primary = primary sample collected from a well
BAPB = biologically active permeable barrier
UC BGC = University of California, Berkeley Global Campus
DG = downgradient
DTSC-MW = Department of Toxic Substances Control monitoring well
EPA = Environmental Protection Agency
IMW = Temporary monitoring well
MW = Monitoring well
MW-##A = Represents the upper horizon groundwater well in a pair of upper and lower horizon wells
MW-##B = Represents the lower horizon groundwater well in a pair of upper and lower horizon wells
NA = not applicable
PZ = Piezometers
SSG = site-specific goal
UG = Upgradient
VOC = volatile organic compound
µg/L = micrograms per liter
Upper, offsite = upper horizon, outside of site boundary

Notes:


Groundwater and storm-water samples analyzed for VOCs by Curtis & Tompkins, Ltd. of Berkeley, California using EPA Method 8260B. Only VOCs with at least one detection above the laboratory reporting limit are shown in this table. Screening criteria and sources for screening criteria are summarized in Table 7. If a screening criterion is exceeded, the analytical results are designated as follows:


Bold font indicates a detection in upper or lower horizon groundwater above the drinking water standard (applicable to Lots 1 and 2 only)


 indicates a detection in upper horizon groundwater above the commercial/industrial SSG

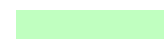
Pink Font indicates a detection in upper horizon groundwater above the groundskeeper/maintenance worker SSG

Italic font indicates a detection in upper horizon groundwater above the residential SSG

 indicates a detection in upper horizon groundwater above 5x the aquatic criterion (applicable to Lot 3 area near BAPB only)

 indicates a detection in upper horizon groundwater above 40x the aquatic criterion (applicable to Lot 3 Uplands only)

 indicates a detection in lower horizon groundwater above 160x the aquatic criterion (applicable to Lot 3 only)

 indicates a detection in storm-water above the storm-water criteria (applicable to storm-water samples only)

Underline indicates a concentration which is greater than 90% of an applicable screening criterion but does not exceed it

Table 4
Sampling Analytical Results
Metals
Campus Bay, Richmond, CA

Lot/Location	LocCode	Field ID	Sample Type	Sampled Date	Sample Horizon	Sample Location Relative to BAPB (Applicable to Lot 3 Wells Only)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium (III+VI)	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc			
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Drinking Water Standards Lots 1 and 2 (Upper and Lower Horizon)							6.00E+00	1.00E+01	1.00E+03	-	5.00E+00	5.00E+01	-	1.00E+03	1.50E+01	2.00E+00	-	1.00E+02	5.00E+01	1.00E+02	2.00E+00	-	-	5.00E+03		
On-Site Commercial/ Industrial Worker Lots 1, 2, and 3 (Upper Horizon)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
On-Site Groundskeeper/Maintenance Worker Lots 1, 2, and 3 (Upper Horizon)							1.50E+05	1.10E+02	7.50E+07	-	1.90E+05	5.60E+08	-	1.50E+07	-	1.10E+05	-	9.30E+07	1.90E+06	3.10E+06	2.50E+04	3.70E+05	1.90E+08	-	-	-
On-Site Residential Lots 1, 2, and 3 (Upper Horizon)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5x Aquatic Criteria, Lot 3 (Upper Horizon, Near BAPB)							2.20E+05	1.80E+02	-	-	4.70E+01	-	-	1.60E+01	4.10E+01	1.10E+01	-	4.10E+01	2.50E+01	9.50E+00	3.20E+02	-	-	4.10E+02		
40x Aquatic Criteria, Lot 3 (Upper Horizon, Uplands)							1.70E+06	1.40E+03	-	-	3.70E+02	-	-	1.20E+02	3.20E+02	8.40E+01	-	3.30E+02	2.00E+02	7.60E+01	2.50E+03	-	-	3.20E+03		
160x Aquatic Criteria, Lot 3 (Lower Horizon)							6.90E+06	5.80E+03	-	-	1.50E+03	-	-	5.00E+02	1.30E+03	3.40E+02	-	1.30E+03	8.00E+02	3.00E+02	1.00E+04	-	-	1.30E+04		
Storm-water Criteria, (Storm-water Outfalls)							4.30E+03	3.60E+01	-	-	1.10E+00	1.80E+02	-	3.10E+00	2.50E+00	2.50E-02	-	8.20E+00	5.00E+00	1.90E+00	6.30E+00	-	-	8.10E+01		
DTSC Harborfront	DTSC-MW-2	DTSC-MW-2	Normal	4/12/2018	Upper, offsite	NA	<12	<10	150	<2	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<12	10	22				
Lot 1	IMW-29	IMW-29	Normal	4/12/2018	Lower	NA	<12	42	200	<2	<5	<5	<5	<5	<0.2	<5	6.7	<10	<5	<12	5.1	<20				
Lot 1	IMW-01	IMW-01	Normal	4/5/2018	Upper	NA	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Lot 1	IMW-02	IMW-02	Normal	4/5/2018	Upper	NA	-	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Lot 1	IMW-03	IMW-03	Normal	4/5/2018	Upper	NA	-	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Lot 1	IMW-04	IMW-04	Normal	4/5/2018	Upper	NA	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Lot 1	IMW-23	IMW-23	Normal	4/13/2018	Upper	NA	<12	<10	23	<2	<5	<5	<5	<5	<0.2	<5	37	<10	<5	<12	8.5	58				
Lot 1	IMW-27	IMW-27	Normal	4/13/2018	Upper	NA	<12	<10	24	<2	<5	<5	<5	<5	<0.2	<5	18	<10	<5	<12	7.6	<20				
Lot 1	IMW-28	IMW-28	Normal	4/12/2018	Upper	NA	<12	<10	20	<2	<5	<5	<5	<5	<0.2	<5	29	<10	<5	<12	<5	<20				
Lot 1	MW-25R	MW-25R	Normal	4/13/2018	Upper	NA	<12	<10	42	<2	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<12	10	<20				
Lot 1	MW-26	MW-26	Normal	4/13/2018	Upper	NA	<12	<10	47	<2	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<12	11	<20				
Lot 1	MW-26	MW-26	Field_D	4/13/2018	Upper	NA	<12	<10	47	<2	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<12	10	<20				
Lot 1	MW-27	MW-27	Normal	4/12/2018	Upper	NA	<12	<10	44	<2	<5	<5	<5	<5	<0.2	<5	14	<10	<5	<12	<5	<20				
Lot 1	MW-30	MW-30	Normal	4/16/2018	Upper	NA	<12	14	120	<2	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<12	<5	<20				
Lot 1	MW-33	MW-33	Normal	4/12/2018	Upper	NA	<12	<10	61	<2	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<12	10	<20				
Lot 1	MW-33	MW-33	Field_D	4/12/2018	Upper	NA	<12	<10	59	<2	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<12	10	<20				
Lot 1	PZ-11	PZ-11	Normal	4/13/2018	Upper	NA	<12	<10	19	<2	11	<5	<5	47	<5	<0.2	<5	410	<10	5.1	<12	8.4	2300			
Lot 1	PZ-11	PZ-11	Field_D	4/13/2018	Upper	NA	<12	<10	18	<2	10	<5	<5	45	<5	<0.2	<5	400	<10	<5	<12	7.5	2200			
Lot 1	PZ-12	PZ-12	Normal	4/13/2018	Upper	NA	<12	15	120	<2	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<12	5.4	<20				
Lot 2	IMW-05	IMW-05	Normal	4/11/2018	Upper	NA	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Lot 2	IMW-06	IMW-06	Normal	4/11/2018	Upper	NA	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Lot 2	IMW-07	IMW-07	Normal	4/11/2018	Upper	NA	-	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Lot 2	IMW-07	IMW-07	Field_D	4/11/2018	Upper	NA	-	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Lot 2	IMW-08	IMW-08	Normal	4/11/2018	Upper	NA	-	77	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Lot 2	IMW-22	IMW-22	Normal	4/11/2018	Upper	NA	-	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Lot 2	MW-24	MW-24	Normal	4/11/2018	Upper	NA	<12	<10	80	<2	<5	37	<5	20	<5	<0.2	32	<5	<10	<5	<12	43	<20			
Lot 2	MW-31	MW-31	Normal	4/16/2018	Upper	NA	<12	<10	110	<2	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<12	10	<20				
Lot 3	MW-10B	MW-10B	Normal	4/4/2018	Lower	DG of BAPB	<12	20	20	<2	78	12	470	1100	<5	<0.2	<5	1000	23	11	<12	5.9	16000			
Lot 3	MW-11B	MW-11B	Normal	4/5/2018	Lower	DG of BAPB	<12	17	18	<2	18	<5	86	59	<5	<0.2	<5	160	15	16	50	<5	1500			
Lot 3	MW-32B	MW-32B	Normal	4/10/2018	Lower	UG of BAPB	<12	18	16	<2	100	13	370	2400	<5	<0.2	<5	1100	24	<5	<12	7.8	16000			
Lot 3	IMW-42	IMW-42	Normal	4/10/2018	Upper	UG of BAPB	<12	36	16	<2	8	<5	370	<5	10	<0.2	<5	1100	74	<5	<12	100	4400			
Lot 3	IMW-43	IMW-43	Normal	4/9/2018	Upper	UG of BAPB	<12	11	35	<2	<5	<5	<5	<5	<0.2	<5	17	<10	<5	<12	43	<20				
Lot 3	IMW-45	IMW-45	Normal	4/10/2018	Upper	UG of BAPB	<12	16	38	<2	<5	9.6	<5	18	<5	<0.2	<5	14	120	<5	<12	15	21			
Lot 3	IMW-48	IMW-48	Normal	4/9/2018	Upper	UG of BAPB	<12	17	12	<2	<5	22	<5	<5	<0.2	<5	17	79	8.2	<12	21	<20				
Lot 3	IMW-50	IMW-50	Normal	4/11/2018	Upper	UG of BAPB	<12	27	350	<2	<5	<5	<5	<5	<0.2	<5	9.9	12	<5	<2.5	5.7	<20				
Lot 3	IMW-57	IMW-57	Normal	4/11/2018	Upper	UG of BAPB	<12	16	74	<2	<5	<5	<5	<5	<0.2	<5	8.2	<10	<5	<12	8.8	<20				
Lot 3	MW-18	MW-18	Normal	4/10/2018	Upper	UG of BAPB	<12	14	13	3.1	97	6.1	59	1300	<5	<0.2	<5	1500	<10	<5	<12	<5	7500			
Lot 3	MW-19	MW-19	Normal	4/10/2018	Upper	UG of BAPB	<12	15	35	<2	<5	<5	<5	<5	<0.2	<5	<5	14	<5	<12	8.9	<20				
Lot 3	MW-19	MW-19-D	Field_D	4/10/2018	Upper	UG of BAPB	<12	16	33	<2	<5	<5	<5	<5	<0.2	<5	5.1	32	<5	<12	9.7	<20				
Lot 3	MW-20	MW-20	Normal	4/10/2018	Upper	UG of BAPB	<12	210	27	2.6	<5	11	45	<5	<5	<0.2	<5	91	<10	<5	<12	23	690			
Lot 3	MW-21	MW-21	Normal	4/9/2018	Upper	UG of BAPB	<12	13	18	<2	58	<5	<5	22	<5	<0.2	<5	180	340	<5	<12	7.8	7800			
Lot 3	MW-22	MW-22	Normal	4/9/2018	Upper	UG of BAPB	<12	10	18	<2	<5	<5	<5	<5	<0.2	<5	23	<10	<5	<12	9.7	<20				
Lot 3	MW-23	MW-23	Normal	4/10/2018	Upper	UG of BAPB	<12	31	24	<2	<5	<5	41	<5	<5	<0.2	<5	48	<10	<5	<12	15	1300			

Table 4
Sampling Analytical Results
Metals
Campus Bay, Richmond, CA

Lot/Location	LocCode	Field ID	Sample Type	Sampled Date	Sample Horizon	Sample Location Relative to BAPB (Applicable to Lot 3 Wells Only)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium (III+VI)	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc			
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Drinking Water Standards Lots 1 and 2 (Upper and Lower Horizon)							6.00E+00	1.00E+01	1.00E+03	-	5.00E+00	5.00E+01	-	1.00E+03	1.50E+01	2.00E+00	-	1.00E+02	5.00E+01	1.00E+02	2.00E+00	-	-	5.00E+03		
On-Site Commercial/ Industrial Worker Lots 1, 2, and 3 (Upper Horizon)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
On-Site Groundskeeper/Maintenance Worker Lots 1, 2, and 3 (Upper Horizon)							1.50E+05	1.10E+02	7.50E+07	-	1.90E+05	5.60E+08	-	1.50E+07	-	1.10E+05	-	9.30E+07	1.90E+06	3.10E+06	2.50E+04	3.70E+05	1.90E+08	-	-	-
On-Site Residential Lots 1, 2, and 3 (Upper Horizon)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5x Aquatic Criteria, Lot 3 (Upper Horizon, Near BAPB)							2.20E+05	1.80E+02	-	-	4.70E+01	-	-	1.60E+01	4.10E+01	1.10E+01	-	4.10E+01	2.50E+01	9.50E+00	3.20E+02	-	-	4.10E+02		
40x Aquatic Criteria, Lot 3 (Upper Horizon, Uplands)							1.70E+06	1.40E+03	-	-	3.70E+02	-	-	1.20E+02	3.20E+02	8.40E+01	-	3.30E+02	2.00E+02	7.60E+01	2.50E+03	-	-	3.20E+03		
160x Aquatic Criteria, Lot 3 (Lower Horizon)							6.90E+06	5.80E+03	-	-	1.50E+03	-	-	5.00E+02	1.30E+03	3.40E+02	-	1.30E+03	8.00E+02	3.00E+02	1.00E+04	-	-	1.30E+04		
Storm-water Criteria, (Storm-water Outfalls)							4.30E+03	3.60E+01	-	-	1.10E+00	1.80E+02	-	3.10E+00	2.50E+00	2.50E-02	-	8.20E+00	5.00E+00	1.90E+00	6.30E+00	-	-	8.10E+01		
Lot 3	MW-32A	MW-32A	Normal	4/10/2018	Upper	UG of BAPB	<12	25	18	<2	39	15	170	34	<5	<0.2	<5	1300	32	<5	<12	10	6400			
Lot 3	PZ-10	PZ-10	Normal	4/9/2018	Upper	UG of BAPB	<12	17	16	<2	<5	<5	<5	180	<5	<0.2	<5	14	19	<5	<12	11	230			
Lot 3	MW-01	MW-1	Normal	4/4/2018	Upper	DG of BAPB	<12	110	14	<2	<5	<5	<5	14	<5	<0.2	8.9	7	<10	<5	<12	15	<20			
Lot 3	MW-02	MW-2	Normal	4/6/2018	Upper	Immediately UG	<12	190	41	<2	<5	<5	<5	<5	<5	<0.2	<5	5.6	15	6.3	<12	<5	<20			
Lot 3	MW-03	MW-3	Normal	4/4/2018	Upper	In BAPB	<12	<10	140	<2	<5	<5	<5	<5	<5	<0.2	<5	5	26	10	<12	6.4	<20			
Lot 3	MW-04	MW-4	Normal	4/4/2018	Upper	DG of BAPB	<12	160	83	<2	<5	<5	<5	<5	<5	<0.2	<5	10	<10	<5	<12	11	26			
Lot 3	MW-04	MW-4-D	Field_D	4/4/2018	Upper	DG of BAPB	<12	140	90	<2	<5	<5	<5	<5	<5	<0.2	<5	11	<10	5.1	<12	11	28			
Lot 3	MW-05	MW-5	Normal	4/4/2018	Upper	DG of BAPB	<12	320	20	<2	<5	<5	<5	<5	<5	<0.2	<5	9.5	<10	<5	<12	12	<20			
Lot 3	MW-06	MW-6	Normal	4/6/2018	Upper	Immediately UG	<12	420	43	<2	<5	<5	<5	<5	<5	<0.2	<5	<5	27	6.1	<12	<5	<20			
Lot 3	MW-07	MW-7	Normal	4/4/2018	Upper	DG of BAPB	<12	58	50	<2	<5	<5	<5	6.3	<5	<0.2	<5	14	<10	13	<2.5	8.9	<20			
Lot 3	MW-08	MW-8	Normal	4/6/2018	Upper	Immediately UG	<12	96	150	<2	<5	<5	<5	<5	<5	<0.2	<5	<5	17	<5	<12	<5	70			
Lot 3	MW-09	MW-9	Normal	4/6/2018	Upper	In BAPB	<12	430	62	<2	<5	<5	<5	<5	<5	<0.2	<5	<5	23	<5	<12	<5	<20			
Lot 3	MW-10A	MW-10A	Normal	4/9/2018	Upper	DG of BAPB	<12	35	6	<2	<5	<5	<5	<5	<5	<0.2	9	5.2	<10	<5	<12	5.4	<20			
Lot 3	MW-11A	MW-11A	Normal	4/5/2018	Upper	DG of BAPB	<12	<10	30	<2	<5	<5	<5	40	<5	<0.2	7.8	<5	<10	<5	<12	<5	160			
Lot 3	MW-12	MW-12	Normal	4/5/2018	Upper	DG of BAPB	<12	14	32	<2	<5	<5	<5	16	<5	<0.2	<5	<5	<10	5.4	<12	<5	230			
Lot 3	MW-12	MW-12-D	Field_D	4/5/2018	Upper	DG of BAPB	<12	14	33	<2	<5	<5	<5	15	<5	<0.2	<5	<5	<10	5.3	<12	<5	220			
Lot 3	MW-13	MW-13	Normal	4/6/2018	Upper	Immediately UG	<12	30	15	<2	<5	<5	14	<5	<5	<0.2	<5	21	23	<5	<12	<5	350			
Lot 3	MW-14	MW-14	Normal	4/5/2018	Upper	In BAPB	<12	21	33	<2	<5	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<12	<5	<20			
Lot 3	MW-15	MW-15	Normal	4/5/2018	Upper	DG of BAPB	<12	13	18	<2	7.5	<5	<5	92	<5	<0.2	<5	<5	<10	<5	<12	<5	360			
Lot 3	MW-28	MW-28	Normal	4/4/2018	Upper	DG of BAPB	<12	59	12	<2	<5	<5	<5	<5	<5	<0.2	<5	5.1	<10	10	<12	8.3	40			
Lot 3	MW-29	MW-29	Normal	4/6/2018	Upper	Immediately UG	<12	46	13	<2	<5	<5	<5	<5	<5	<0.2	<5	6.2	29	5.2	<12	<5	<20			
Lot 3	PZ-15	PZ-15	Normal	4/12/2018	Upper	DG of BAPB	<12	<10	36	<2	<5	<5	<5	<5	<5	<0.2	6	16	<10	<5	<12	11	<20			
Lot 3	PZ-16	PZ-16	Normal	4/12/2018	Upper	DG of BAPB	<12	<10	50	<2	<5	<5	<5	<5	<5	<0.2	24	5.2	<10	<5	<12	11	22			
UC BGC	MW-34	MW-34	Normal	4/3/2018	Upper, offsite	Immediately UG	<12	15	14	<2	<5	<5	<5	<5	<5	<0.2	<5	100	<10	13	<12	<5	40			
UC BGC	MW-36	MW-36	Normal	4/3/2018	Upper, offsite	DG of BAPB	<12	<10	21	<2	<5	<5	14	<5	<5	0.28	<5	57	<10	8.5	<12	<5	<20			
UC BGC	MW-40	MW-40	Normal	4/4/2018	Upper, offsite	In BAPB	<12	20	190	<2	<5	<5	<5	<5	<5	<0.2	<5	<5	50	12	<2.5	5.6	<20			
UC BGC	MW-41	MW-41	Normal	4/3/2018	Upper, offsite	In BAPB	<12	15	39	<2	<5	<5	<5	<5	<5	<0.2	<5	12	<10	12	<12	<5	<20			
UC BGC	MW-42	MW-42	Normal	4/3/2018	Upper, offsite	Immediately UG	<12	13	15	<2	12	7	<5	<5	<5	0.79	<5	190	<10	14	<12	5.3	60			
UC BGC	MW-42	MW-42-D	Field_D	4/3/2018	Upper, offsite	Immediately UG	<12	14	15	<2	12	6.9	<5	<5	<5	<0.2	<5	210	<10	14	<12	5.4	64			
UC BGC	MW-43	MW-43	Normal	4/3/2018	Upper, offsite	DG of BAPB	<12	16	24	<2	<5	<5	<5	5.1	<5	<0.2	<5	15	<10	22	<12	<5	<20			
UC BGC	MW-44	MW-44	Normal	4/3/2018	Upper, offsite	Immediately UG	<12	13	62	<2	<5	<5	<5	<5	<5	<0.2	<5	31	<10	15	<12	<5	<20			
UC BGC	MW-45	MW-45	Normal	4/3/2018	Upper, offsite	DG of BAPB	<12	11	12	<2	<5	<5	30	<5	<5	<0.2	<5	23	<10	6.9	<12	<5	700			
UC BGC	MW-46	MW-46	Normal	4/3/2018	Upper, offsite	DG of BAPB	<12	13	20	<2	<5	<5	<5	5.1	<5	<0.2	<5	7.3	<10	12	<12	9.8	<20			
Storm Water	002	002-010418**	Normal	1/4/2018	NA	NA	<10	14	98	<2	<5	25	<5	14	<5	<0.2	<5	18	<10	16	<10	49	100			
Storm Water	002	002-040718**	Normal	4/7/2018	NA	NA	<12	<10	29	<2	<5	6.3	<5	<5	<5	<0.2	7.2	<5	130	<5	<12	11	36			
Storm Water	003	003-010818**	Normal	1/8/2018	NA	NA	<10	<10	38	<2	<5	5.6	<5	12	<5	<0.2	13	<5	130	<5	<10	57	<20			
Storm Water	003	003-040718**	Normal	4/7/2018	NA	NA	<12	<10	33	<2	<5	5	<5	<5	<5	<0.2	11	<5	120	<5	<12	37	<20			
Storm Water	002	002-010418*	Normal	1/4/2018	NA	NA	<10	13	87	<2	<5	<5	<5	17	<5	<0.2	6.3	16	<10	16	<10	73	66			
Storm Water	002	002-040718*	Normal	4/7/2018	NA	NA	<12	12	26	<2	<5	<5	<5	<5	<5	<0.2	6.4	<5	150	<5	<12	14	33			
Storm Water	003	003-010818*	Normal	1/8/2018	NA	NA	<10	<10	38	<2	<5	<5	<5	6.4	<5	<0.2	11	<5	140	<5	<10	56	<20			
Storm Water	003	003-040718*	Normal	4/7/2018	NA	NA	<12	10	32	<2	<5	<5	<5	<5	<5	<0.2	10	<5	130	<5	<12	43	<20			

Table 4
Sampling Analytical Results
Metals
Campus Bay, Richmond, CA

Abbreviations:

<0.50 = Concentration not detected at or above indicated laboratory reporting limit.

- = Sample not analyzed or criteria not available

Duplicate = duplicate sample collected from a well

Primary = primary sample collected from a well

BAPB = biologically active permeable barrier

UC BGC = University of California, Berkeley Global Campus

DG = downgradient

DTSC-MW = Department of Toxic Substances Control monitoring well

EPA = Environmental Protection Agency

IMW = Temporary monitoring well

MW = Monitoring well

MW-##A = Represents the upper horizon groundwater well in a pair of upper and lower horizon wells

MW-##B = Represents the lower horizon groundwater well in a pair of upper and lower horizon wells

NA = not applicable

PZ = Piezometers

SOG = site-specific goal

UG = Upgradient

µg/L = micrograms per liter

Upper, offsite = upper horizon, outside of site boundary

Notes:

Groundwater and storm-water samples analyzed for metals by Curtis & Tompkins, Ltd. of Berkeley, California using EPA Method 6010B.


* indicates the sample was lab filtered before analysis.

** indicates the sample was not filtered before analysis.

Screening criteria and sources for screening criteria are summarized in Table 7.


If a screening criterion is exceeded, the analytical results are designated as follows:


Bold font indicates a detection in upper or lower horizon groundwater above the drinking water standard (applicable to Lots 1 and 2 only)


 indicates a detection in upper horizon groundwater above the commercial/industrial SOG

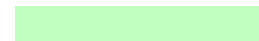
Pink Font indicates a detection in upper horizon groundwater above the groundskeeper/maintenance worker SOG

Italic font indicates a detection in upper horizon groundwater above the residential SOG

 indicates a detection in upper horizon groundwater above 5x the aquatic criterion (applicable to Lot 3 area near BAPB only)

 indicates a detection in upper horizon groundwater above 40x the aquatic criterion (applicable to Lot 3 Uplands only)

 indicates a detection in lower horizon groundwater above 160x the aquatic criterion (applicable to Lot 3 only)

 indicates a detection in storm-water above the storm-water criteria (applicable to storm-water samples only)

Underline indicates a concentration which is greater than 90% of an applicable screening criterion but does not exceed it

Table 5
Sampling Analytical Results
Pesticides
Campus Bay, Richmond, CA

Lot/Location	Field ID	Sample Type	Sampled Date	Sample Horizon	Sample Location Relative to BAPB (Applicable to Lot 3 Wells Only)	Proprietary Pesticides							Organochlorine Pesticides																			
						Butylate	Vernolate	Cycloate	EPTC	Molinate	Napropamide	Pebulate	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	4,4'-DDD	4,4'-DDE	4,4'-DDT	d-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene
Drinking Water Standards Lots 1 and 2 (Upper and Lower Horizon)										2.00E+01			5.00E-01											2.00E+00		2.00E-01	1.00E-02	1.00E-02	3.00E+01	3.00E+00		
On-Site Commercial/ Industrial Worker Lots 1, 2, and 3 (Upper Horizon)									2.50E+06																							
On-Site Groundskeeper/Maintenance Worker Lots 1, 2, and 3 (Upper Horizon)						2.40E+06	4.90E+04	9.80E+04	1.20E+06	9.80E+04	4.90E+06	2.40E+06	6.60E+00		1.20E+01			4.20E+00	1.80E+00	1.60E+01							1.60E+01	3.70E+00				
On-Site Residential Lots 1, 2, and 3 (Upper Horizon)									5.30E+05																							
5x Aquatic Criteria, Lot 3 (Upper Horizon, Near BAPB)						2.80E+02		2.40E+02	2.20E+02	1.80E+02	2.40E+02	1.20E+02	6.50E-01		2.30E+00			5.00E-03	5.00E-03							8.00E-01	1.10E-02					
40x Aquatic Criteria, Lot 3 (Upper Horizon, Uplands)						2.20E+03		1.90E+03	1.70E+03	1.40E+03	1.90E+03	9.20E+02	5.20E+00		1.80E+01			4.00E-02	4.00E-02							6.40E+00	8.40E-02					
160x Aquatic Criteria, Lot 3 (Lower Horizon)						8.80E+03		7.50E+03	6.90E+03	5.60E+03	7.50E+03	3.70E+03																				
Storm-water Criteria, (Storm-water Outfalls)						5.50E+01		4.70E+01	4.30E+01	3.50E+01	4.70E+01	2.30E+01	1.30E-02		4.60E-02			8.40E-04	5.90E-04							6.30E-02	2.10E-04					
DTSC Harborfront	DTSC-MW-2	Primary	4/12/2018	Upper, offsite	NA	<5	<5	<5	<5	<5	<25	<5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1	<0.05	<0.1	<0.1	<0.1#ND	<0.1	<0.05	<0.05	<0.05	<0.5	<1
Lot 3	MW-1	Primary	4/4/2018	Upper	DG of BAPB	<5	<5	<5	<5	<5	<25	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lot 3	MW-2	Primary	4/6/2018	Upper	Immediately UG	<5	<5	<5	<5	<5	<25	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lot 3	MW-3	Primary	4/4/2018	Upper	In BAPB	<5	<5	<5	<5	<5	<25	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lot 3	MW-4	Primary	4/4/2018	Upper	DG of BAPB	<5	<5	<5	<5	<5	<25	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lot 3	MW-4-D	Duplicate	4/4/2018	Upper	DG of BAPB	<5	<5	<5	<5	<5	<25	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lot 3	MW-5	Primary	4/4/2018	Upper	DG of BAPB	<5	<5	<5	<5	<5	<25	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lot 3	MW-6	Primary	4/6/2018	Upper	Immediately UG	<5	<5	<5	<5	<5	<25	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lot 3	MW-7	Primary	4/4/2018	Upper	DG of BAPB	<5	<5	<5	<5	<5	<25	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lot 3	MW-8	Primary	4/6/2018	Upper	Immediately UG	<5	<5	<5	<5	<5	<25	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lot 3	MW-9	Primary	4/6/2018	Upper	In BAPB	<5	<5	<5	<5	<5	<25	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lot 3	MW-10A	Primary	4/9/2018	Upper	DG of BAPB	<5	<5	<5	<5	<5	<25	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lot 3	MW-10B	Primary	4/4/2018	Lower	DG of BAPB	<5	<5	<5	9.4	<5	<25	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lot 3	MW-11A	Primary	4/5/2018	Upper	DG of BAPB	<5	<5	<5	<5	<5	<25	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lot 3	MW-11B	Primary	4/5/2018	Lower	DG of BAPB	<5	<5	<5	67	5	<25	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lot 3	MW-12	Primary	4/5/2018	Upper	DG of BAPB	<5	<5	<5	<5	<5	<25	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lot 3	MW-12-D	Duplicate	4/5/2018	Upper	DG of BAPB	<5	<5	<5	<5	<5	<25	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lot 3	MW-13	Primary	4/6/2018	Upper	Immediately UG	<5	<5	<5	<5	<5	<25	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lot 3	MW-14	Primary	4/5/2018	Upper	In BAPB	<5	<5	<5	<5	<5	<25	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lot 3	MW-15	Primary	4/5/2018	Upper	DG of BAPB	<5	<5	<5	<5	<5	<25	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lot 3	MW-28	Primary	4/4/2018	Upper	DG of BAPB	<5	<5	<5	<5	<5	<25	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lot 3	MW-29	Primary	4/6/2018	Upper	Immediately UG	<5	<5	<5	<5	<5	<25	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lot 3	PZ-15	Primary	4/12/2018	Upper	DG of BAPB	<5	33	13	120	<5	<25	73	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1	<0.05	<0.1	<0.1	<0.1#ND	<0.1	<0.05	<0.05	<0.05	<0.5	<1
Lot 3	PZ-16	Primary	4/12/2018	Upper	DG of BAPB	<5	<5	<5	<5	<5	<25	<5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1	<0.05	<0.1	<0.1	<0.1#ND	<0.1	<0.05	<0.05	<0.05	<0.5	<1
Storm Water	002-010418	Primary	1/4/2018	NA	NA	<5	<5	<5	<5	<5	<25	<5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.5	<1
Storm Water	002-040718	Primary	4/7/2018	NA	NA	<25	<25	<25	<25	<25	<130	<25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.5	<1
Storm Water	003-010818	Primary	1/8/2018	NA	NA	<5	<5	<5	<5	<5	<25	<5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.5	<1
Storm Water	003-040718	Primary	4/7/2018	NA	NA	<5	<5	<5	<5	<5	<25	<5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.5	<1

Table 5
Sampling Analytical Results
Pesticides
Campus Bay, Richmond, CA

Abbreviations:

<0.50 = Concentration not detected at or above indicated laboratory reporting limit.

- = Sample not analyzed or criteria not available

Duplicate = duplicate sample collected from a well

Primary = primary sample collected from a well

BAPB = biologically active permeable barrier

DG = downgradient

DTSC-MW = Department of Toxic Substances Control monitoring well

EPA = Environmental Protection Agency

MW = Monitoring well

MW-##A = Represents the upper horizon groundwater well in a pair of upper and lower horizon wells

MW-##B = Represents the lower horizon groundwater well in a pair of upper and lower horizon wells

NA = not applicable

PZ = Piezometers

SSG = site-specific goal

UG = Upgradient

= CCV drift outside limits; average CCV drift within limits per method requirements

b = prepared outside of hold time

µg/L = micrograms per liter

Upper, offsite = upper horizon, outside of site boundary

Notes:


Groundwater and storm-water samples analyzed for proprietary pesticides by Curtis & Tompkins, Ltd. of Berkeley, California using EPA Method 8270SIM and organochlorine pesticides by EPA Method 8081. Only pesticides with at least one detection above the laboratory reporting limit are shown in this table.

C = Presence confirmed, but relative percent difference between columns exceeds 40%

Screening criteria and sources for screening criteria are summarized in Table 7.


If a screening criterion is exceeded, the analytical results are designated as follows:

Bold font indicates a detection in upper or lower horizon groundwater above the drinking water standard (applicable to Lots 1 and 2 only)

 indicates a detection in upper horizon groundwater above the commercial/industrial SSG

Pink Font indicates a detection in upper horizon groundwater above the groundskeeper/maintenance worker SSG

Italic font indicates a detection in upper horizon groundwater above the residential SSG

 indicates a detection in upper horizon groundwater above 5x the aquatic criterion (applicable to Lot 3 only)


 indicates a detection in upper horizon groundwater above 40x the aquatic criterion (applicable to Lot 3 only)

Table 6
Sampling Analytical Results
General Minerals
Campus Bay, Richmond, CA

Lot/Location	LocCode	Field ID	Sample Type	Sampled Date	Sample Horizon	Sample Location Relative to BAPB (Applicable to Lot 3 Wells Only)	Alkalinity, Bicarbonate	Alkalinity, Carbonate	Alkalinity, Hydroxide	Alkalinity, Total as CaCO3	Chloride	Ferrous Iron	pH (Field)	pH (Lab)	Sulfate	Sulfide	Total Dissolved Solids	Total Suspended Solids	Conductivity	Dissolved Oxygen	Oxidation Reduction Potential
							mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	SU	SU	mg/L	mg/L	mg/L	mg/L	μS/cm	mg/L	mV
DTSC Harborfront	DTSC-MW-1	DTSC-MW-1	Primary	4/12/2018	Upper, offsite	NA	-	-	-	-	-	6.73	-	-	-	-	-	1476	0.19	93.5	
DTSC Harborfront	DTSC-MW-2	DTSC-MW-2	Primary	4/12/2018	Upper, offsite	NA	-	-	-	-	<0.1	6.88	-	-	<0.04	-	-	1216	0.17	64.9	
DTSC Harborfront	DTSC-MW-4	DTSC-MW-4	Primary	4/12/2018	Upper, offsite	NA	-	-	-	-	-	6.81	-	-	-	-	-	1289	0.19	63.1	
Lot 1	IMW-01	IMW-1	Primary	4/5/2018	Upper	NA	-	-	-	-	-	6.66	-	-	-	-	-	1201	0.10	-77.4	
Lot 1	IMW-02	IMW-2	Primary	4/5/2018	Upper	NA	-	-	-	-	-	6.23	-	-	-	-	-	1531	0.14	-55.0	
Lot 1	IMW-03	IMW-3	Primary	4/5/2018	Upper	NA	-	-	-	-	-	6.46	-	-	-	-	-	1214	0.13	-103.6	
Lot 1	IMW-04	IMW-4	Primary	4/5/2018	Upper	NA	-	-	-	-	-	6.37	-	-	-	-	-	1336	0.12	-109.4	
Lot 1	IMW-15	IMW-15	Primary	4/16/2018	Lower	NA	-	-	-	-	-	6.39	-	-	-	-	-	2567	0.10	-100.2	
Lot 1	IMW-16	IMW-16	Primary	4/16/2018	Lower	NA	-	-	-	-	-	6.19	-	-	-	-	-	3202	0.06	-40.7	
Lot 1	IMW-17	IMW-17	Primary	4/16/2018	Lower	NA	-	-	-	-	-	6.27	-	-	-	-	-	1607	0.18	8.9	
Lot 1	IMW-23	IMW-23	Primary	4/13/2018	Upper	NA	-	-	-	-	-	5.63	-	-	-	-	-	1579	0.44	217.7	
Lot 1	IMW-25	IMW-25	Primary	4/13/2018	Upper	NA	-	-	-	-	-	6.69	-	-	-	-	-	1712	3.63	169.0	
Lot 1	IMW-26	IMW-26	Primary	4/13/2018	Upper	NA	-	-	-	-	-	6.60	-	-	-	-	-	1614	0.25	60.6	
Lot 1	IMW-27	IMW-27	Primary	4/13/2018	Upper	NA	-	-	-	-	-	6.26	-	-	-	-	-	1713	0.16	103.4	
Lot 1	IMW-28	IMW-28	Primary	4/12/2018	Upper	NA	-	-	-	-	-	6.51	-	-	-	-	-	1880	0.14	46.3	
Lot 1	IMW-29	IMW-29	Primary	4/12/2018	Lower	NA	-	-	-	-	-	6.15	-	-	-	-	-	1928	0.04	-118.2	
Lot 1	IMW-30	IMW-30	Primary	4/13/2018	Upper	NA	-	-	-	-	-	5.79	-	-	-	-	-	1751	0.09	-39.8	
Lot 1	IMW-31	IMW-31	Primary	4/16/2018	Upper	NA	-	-	-	-	-	6.11	-	-	-	-	-	1908	0.14	-68.3	
Lot 1	IMW-32	IMW-32	Primary	4/13/2018	Lower	NA	-	-	-	-	-	7.41	-	-	-	-	-	716	0.17	43.4	
Lot 1	IMW-33	IMW-33	Primary	4/13/2018	Lower	NA	-	-	-	-	-	6.40	-	-	-	-	-	1785	0.14	23.2	
Lot 1	MW-25R	MW-25R	Primary	4/13/2018	Upper	NA	-	-	-	-	0.2	6.73	-	-	<0.04	-	-	1835	1.74	6.9	
Lot 1	MW-26	MW-26	Primary	4/13/2018	Upper	NA	-	-	-	-	<0.1	6.80	-	-	<0.04	-	-	897	0.85	102.0	
Lot 1	MW-26	MW-26-D	Duplicate	4/13/2018	Upper	NA	-	-	-	-	<0.1	6.80	-	-	<0.04	-	-	897	0.85	102.0	
Lot 1	MW-27	MW-27	Primary	4/12/2018	Upper	NA	-	-	-	-	<0.1	6.25	-	-	<0.04	-	-	1544	0.16	110.4	
Lot 1	MW-30	MW-30	Primary	4/16/2018	Upper	NA	-	-	-	-	2.1	6.54	-	-	<0.04	-	-	1231	0.12	-76.2	
Lot 1	MW-33	MW-33	Primary	4/12/2018	Upper	NA	-	-	-	-	<0.1	6.84	-	-	<0.04	-	-	1061	0.21	93.4	
Lot 1	MW-33	MW-33-D	Duplicate	4/12/2018	Upper	NA	-	-	-	-	<0.1	6.84	-	-	<0.04	-	-	1061	0.21	93.4	
Lot 1	PZ-11	PZ-11	Primary	4/13/2018	Upper	NA	-	-	-	-	-	5.75	-	-	-	-	-	3799	0.10	143.6	
Lot 1	PZ-11	PZ-11-D	Primary	4/13/2018	Upper	NA	-	-	-	-	-	5.75	-	-	-	-	-	3799	0.10	143.6	
Lot 1	PZ-12	PZ-12	Primary	4/13/2018	Upper	NA	-	-	-	-	-	6.38	-	-	-	-	-	1284	0.22	-55.2	
Lot 2	IMW-05	IMW-5	Primary	4/11/2018	Upper	NA	-	-	-	-	-	6.59	-	-	-	-	-	1182	0.17	-89.7	
Lot 2	IMW-06	IMW-6	Primary	4/11/2018	Upper	NA	-	-	-	-	-	6.60	-	-	-	-	-	1819	0.20	-78.2	
Lot 2	IMW-07	IMW-7	Primary	4/11/2018	Upper	NA	-	-	-	-	-	6.52	-	-	-	-	-	1741	0.12	-112.7	
Lot 2	IMW-07	IMW-7-D	Primary	4/11/2018	Upper	NA	-	-	-	-	-	6.52	-	-	-	-	-	1741	0.12	-112.7	
Lot 2	IMW-08	IMW-8	Primary	4/11/2018	Upper	NA	-	-	-	-	-	6.55	-	-	-	-	-	1589	0.20	-90.1	
Lot 2	IMW-22	IMW-22	Primary	4/11/2018	Upper	NA	-	-	-	-	-	6.67	-	-	-	-	-	1336	0.06	-113.7	
Lot 2	MW-24	MW-24	Primary	4/11/2018	Upper	NA	-	-	-	-	<0.1	11.56	-	-	<0.04	-	-	2141	0.17	-95.6	
Lot 2	MW-31	MW-31	Primary	4/16/2018	Upper	NA	-	-	-	-	<0.1	6.64	-	-	<0.04	-	-	1039	0.26	243.3	
Lot 3	IMW-42	IMW-42	Primary	4/10/2018	Upper	UG of BAPB	-	-	-	-	-	5.08	-	-	-	-	-	12450	0.05	29.7	
Lot 3	IMW-43	IMW-43	Primary	4/9/2018	Upper	UG of BAPB	-	-	-	-	-	5.87	-	-	-	-	-	4842	0.01	-100.0	
Lot 3	IMW-45	IMW-45	Primary	4/9/2018	Upper	UG of BAPB	-	-	-	-	-	6.33	-	-	-	-	-	4143	0.68	-131.8	
Lot 3	IMW-48	IMW-48	Primary	4/9/2018	Upper	UG of BAPB	-	-	-	-	-	5.71	-	-	-	-	-	3197	0.02	-316.4	
Lot 3	IMW-50	IMW-50	Primary	4/11/2018	Upper	UG of BAPB	-	-	-	-	-	6.25	-	-	-	-	-	2842	0.04	-94.9	
Lot 3	IMW-57	IMW-57	Primary	4/11/2018	Upper	UG of BAPB	-	-	-	-	-	6.14	-	-	-	-	-	2803	0.19	-125.7	
Lot 3	IMW-58	IMW-58	Primary	4/9/2018	Upper	UG of BAPB	-	-	-	-	-	6.48	-	-	-	-	-	2954	0.15	96.2	
Lot 3	IMW-58	IMW-58-D	Primary	4/9/2018	Upper	UG of BAPB	-	-	-	-	-	6.48	-	-	-	-	-	2954	0.15	96.2	
Lot 3	IMW-59	IMW-59	Primary	4/10/2018	Upper	UG of BAPB	-	-	-	-	-	6.31	-	-	-	-	-	2807	0.02	31.5	

Table 6
Sampling Analytical Results
General Minerals
Campus Bay, Richmond, CA

Lot/Location	LocCode	Field ID	Sample Type	Sampled Date	Sample Horizon	Sample Location Relative to BAPB (Applicable to Lot 3 Wells Only)	Alkalinity, Bicarbonate	Alkalinity, Carbonate	Alkalinity, Hydroxide	Alkalinity, Total as CaCO3	Chloride	Ferrous Iron	pH (Field)	pH (Lab)	Sulfate	Sulfide	Total Dissolved Solids	Total Suspended Solids	Conductivity	Dissolved Oxygen	Oxidation Reduction Potential
							mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	SU	SU	mg/L	mg/L	mg/L	mg/L	μS/cm	mg/L	mV
Lot 3	IMW-60	IMW-60	Primary	4/10/2018	Upper	UG of BAPB	-	-	-	-	-	6.61	-	-	-	-	-	2488	0.09	113.5	
Lot 3	IMW-61	IMW-61	Primary	4/11/2018	Upper	UG of BAPB	-	-	-	-	-	6.62	-	-	-	-	-	3474	0.12	71.9	
Lot 3	IMW-62	IMW-62	Primary	4/11/2018	Upper	UG of BAPB	-	-	-	-	-	6.34	-	-	-	-	-	2505	0.02	-84.7	
Lot 3	MW-01	MW-1	Primary	4/4/2018	Upper	DG of BAPB	-	-	-	-	0.48	7.29	-	-	<0.04	-	-	1215	6.67	76.5	
Lot 3	MW-02	MW-2	Primary	4/6/2018	Upper	Immediately UG	440	<20	<20	440	870	79	6.12	-	760	<0.04	2980	-	5519	0.08	-57.3
Lot 3	MW-03	MW-3	Primary	4/4/2018	Upper	In BAPB	450	<20	<20	450	250	15	6.40	-	450	3.9	1460	-	2640	0.07	-261.1
Lot 3	MW-04	MW-4	Primary	4/4/2018	Upper	DG of BAPB	270	<10	<10	270	940	68	6.41	-	1400	0.04	3850	-	5980	0.20	-90.8
Lot 3	MW-04	MW-4-D	Duplicate	4/4/2018	Upper	DG of BAPB	270	<10	<10	270	900	75	6.41	-	1400	<0.04	3610	-	5980	0.20	-90.8
Lot 3	MW-05	MW-5	Primary	4/4/2018	Upper	DG of BAPB	-	-	-	-	-	92	6.22	-	-	<0.04	-	-	7748	0.12	-100.2
Lot 3	MW-06	MW-6	Primary	4/6/2018	Upper	Immediately UG	-	-	-	-	-	33	6.02	-	-	<0.04	-	-	8161	0.06	-76.5
Lot 3	MW-07	MW-7	Primary	4/4/2018	Upper	DG of BAPB	-	-	-	-	-	21	6.33	-	-	<0.04	-	-	6305	0.05	-106.7
Lot 3	MW-08	MW-8	Primary	4/6/2018	Upper	Immediately UG	460	<20	<20	460	1100	46	6.23	-	680	<0.04	2920	-	5822	0.14	-77.1
Lot 3	MW-09	MW-9	Primary	4/6/2018	Upper	In BAPB	420	<20	<20	420	890	30	6.22	-	750	0.08	2710	-	5505	0.15	-89.3
Lot 3	MW-10A	MW-10A	Primary	4/9/2018	Upper	DG of BAPB	-	-	-	-	-	10	6.67	-	-	<0.04	-	-	2398	0.10	-92.8
Lot 3	MW-10B	MW-10B	Primary	4/4/2018	Lower	DG of BAPB	-	-	-	-	-	47	6.22	-	-	<0.04	-	-	15440	6.60	217.2
Lot 3	MW-11A	MW-11A	Primary	4/5/2018	Upper	DG of BAPB	-	-	-	-	-	<0.1	6.88	-	-	<0.04	-	-	2278	0.40	113.9
Lot 3	MW-11B	MW-11B	Primary	4/5/2018	Lower	DG of BAPB	-	-	-	-	-	41	5.84	-	-	0.08	-	-	10680	0.12	99.1
Lot 3	MW-12	MW-12	Primary	4/5/2018	Upper	DG of BAPB	-	-	-	-	-	41	5.83	-	-	<0.04	-	-	6705	0.10	-0.3
Lot 3	MW-12	MW-12-D	Duplicate	4/5/2018	Upper	DG of BAPB	-	-	-	-	-	37	5.83	-	-	<0.04	-	-	6705	0.10	-0.3
Lot 3	MW-13	MW-13	Primary	4/6/2018	Upper	Immediately UG	540	<20	<20	540	860	16	6.32	-	640	0.05	2760	-	5621	0.16	-47.2
Lot 3	MW-14	MW-14	Primary	4/5/2018	Upper	In BAPB	230	<10	<10	230	440	6.2	6.24	-	520	0.12	1710	-	3283	0.09	-116.4
Lot 3	MW-15	MW-15	Primary	4/5/2018	Upper	DG of BAPB	240	<10	<10	240	270	2.6	6.19	-	430	<0.04	1240	-	2395	0.05	33.3
Lot 3	MW-18	MW-18	Primary	4/10/2018	Upper	UG of BAPB	-	-	-	-	-	<0.1	5.05	-	-	<0.04	-	-	7003	0.16	217.7
Lot 3	MW-19	MW-19	Primary	4/10/2018	Upper	UG of BAPB	-	-	-	-	-	4.3	6.03	-	-	9.7	-	-	7301	0.02	-360.0
Lot 3	MW-19	MW-19-D	Duplicate	4/10/2018	Upper	UG of BAPB	-	-	-	-	-	4	6.03	-	-	11	-	-	7301	0.02	-360.0
Lot 3	MW-20	MW-20	Primary	4/10/2018	Upper	UG of BAPB	-	-	-	-	-	58	4.93	-	-	<0.04	-	-	6642	0.08	-40.6
Lot 3	MW-21	MW-21	Primary	4/9/2018	Upper	UG of BAPB	-	-	-	-	-	<0.1	5.96	-	-	<0.04	-	-	3877	0.09	122.3
Lot 3	MW-22	MW-22	Primary	4/9/2018	Upper	UG of BAPB	-	-	-	-	-	<0.1	6.70	-	-	<0.04	-	-	3855	0.18	86.6
Lot 3	MW-23	MW-23	Primary	4/10/2018	Upper	UG of BAPB	-	-	-	-	-	76	5.65	-	-	<0.04	-	-	4555	0.03	3.6
Lot 3	MW-28	MW-28	Primary	4/4/2018	Upper	DG of BAPB	160	<6.7	<6.7	160	1000	42	5.80	-	950	<0.04	2820	-	5102	0.10	-13.3
Lot 3	MW-29	MW-29	Primary	4/6/2018	Upper	Immediately UG	-	-	-	-	-	85	5.95	-	-	<0.04	-	-	9415	0.08	-46.2
Lot 3	MW-32A	MW-32A	Primary	4/10/2018	Upper	UG of BAPB	-	-	-	-	-	<0.1	5.35	-	-	<0.04	-	-	6719	0.15	198.2
Lot 3	MW-32B	MW-32B	Primary	4/10/2018	Lower	UG of BAPB	-	-	-	-	-	<0.1	5.09	-	-	<0.04	-	-	8484	0.17	233.9
Lot 3	PZ-10	PZ-10	Primary	4/9/2018	Upper	UG of BAPB	-	-	-	-	-	-	5.42	-	-	-	-	-	9518	0.34	150.8
Lot 3	PZ-15	PZ-15	Primary	4/12/2018	Upper	DG of BAPB	-	-	-	-	-	<0.1	6.90	-	-	0.08	-	-	3574	0.15	-52.5
Lot 3	PZ-16	PZ-16	Primary	4/12/2018	Upper	DG of BAPB	-	-	-	-	-	<0.1	7.02	-	-	<0.04	-	-	3500	0.13	84.0
Storm Water	002	002-010418	Primary	1/4/2018	NA	NA	-	-	-	-	-	-	7.20	-	-	-	-	26	-	-	-
Storm Water	002	002-040718	Primary	4/7/2018	NA	NA	-	-	-	-	-	-	7.10b	-	-	-	-	<5	-	-	-
Storm Water	003	003-010818	Primary	1/8/2018	NA	NA	-	-	-	-	-	-	5.40	-	-	-	-	<5	-	-	-
Storm Water	003	003-040718	Primary	4/7/2018	NA	NA	-	-	-	-	-	-	7.20b	-	-	-	-	<5	-	-	-
UC BGC	MW-34	MW-34	Primary	4/3/2018	Upper, offsite	Immediately UG	430	<20	<20	430	1300	0.15	6.42	-	3100	<0.04	5940	9	9416	0.04	95.0
UC BGC	MW-36	MW-36	Primary	4/3/2018	Upper, offsite	DG of BAPB	420	<20	<20	420	1500	0.4	6.33	-	1800	<0.04	5150	11	9133	0.08	69.7
UC BGC	MW-40	MW-40	Primary	4/4/2018	Upper, offsite	In BAPB	310	<10	<10	310	1900	0.15	6.67	-	190	8.1	4860	8	9514	0.02	-325.6
UC BGC	MW-41	MW-41	Primary	4/3/2018	Upper, offsite	In BAPB	430	<20	<20	430	1700	1.3	6.50	-	1400	<0.04	4830	20	8632	0.63	-28.5
UC BGC	MW-42	MW-42	Primary	4/3/2018	Upper, offsite	Immediately UG	400J	<20	<20	400J	780	<0.1	5.83	-	2300	<0.04	4550	8	6061	0.72	176.1
UC BGC	MW-42	MW-42-D	Duplicate	4/3/2018	Upper, offsite	Immediately UG	230J	<10	<10	230J	770	<0.1	5.83	-	2400	<0.04	4210	9	6061	0.72	176.1
UC BGC	MW-43	MW-43	Primary	4/3/2018	Upper, offsite	DG of BAPB	510	<20	<20	510	1900	<0.1	6.36	-	2300	<0.04	6180	10	9612	-0.01	23.9

Table 6
Sampling Analytical Results
General Minerals
 Campus Bay, Richmond, CA

Lot/Location	LocCode	Field ID	Sample Type	Sampled Date	Sample Horizon	Sample Location Relative to BAPB (Applicable to Lot 3 Wells Only)	Alkalinity, Bicarbonate	Alkalinity, Carbonate	Alkalinity, Hydroxide	Alkalinity, Total as CaCO3	Chloride	Ferrous Iron	pH (Field)	pH (Lab)	Sulfate	Sulfide	Total Dissolved Solids	Total Suspended Solids	Conductivity	Dissolved Oxygen	Oxidation Reduction Potential
							mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	SU	SU	mg/L	mg/L	mg/L	mg/L	μS/cm	mg/L	mV
UC BGC	MW-44	MW-44	Primary	4/3/2018	Upper, offsite	Immediately UG	-	-	-	-	-	0.4	6.29	-	-	<0.04	-	-	9091	0.18	51.6
UC BGC	MW-45	MW-45	Primary	4/3/2018	Upper, offsite	DG of BAPB	-	-	-	-	-	8.5	5.96	-	-	<0.04	-	-	3511	0.13	46.1
UC BGC	MW-46	MW-46	Primary	4/3/2018	Upper, offsite	DG of BAPB	-	-	-	-	-	<0.1	6.59	-	-	<0.04	-	-	12120	0.06	-103.2

Abbreviations:

- <0.50 = Concentration not detected at or above indicated laboratory reporting limit.
- = Sample not analyzed
- Duplicate = duplicate sample collected from a well
- Primary = primary sample collected from a well
- DTSC-MW = Department of Toxic Substances Control monitoring well
- UC BGC = University of California, Berkeley Global Campus
- BAPB = biologically active permeable barrier
- DG = downgradient
- IMW = Temporary monitoring well
- MW = Monitoring well
- MW-##A = Represents the upper horizon groundwater well in a pair of upper and lower horizon wells
- MW-##B = Represents the lower horizon groundwater well in a pair of upper and lower horizon wells
- NA = not applicable
- PZ = Piezometer
- SU = Standard Units
- UG = Upgradient
- b = analyzed past the EPA recommended hold time
- mS/cm = millisiemens per centimeter
- mV = millivolts
- mg/L = milligrams per liter
- J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample

Table 7
Screening Criteria for Groundwater and Surface-Water Samples
Campus Bay, Richmond, California

Chemical	Human Health Risk-Based SSGs (a)			SSGs Based on Published Criteria (a)				Aquatic Criteria (b)			Storm-Water Criteria (g) (µg/L)
	Lots 1, 2, and 3 (Upper Horizon)			Lots 1 and 2 (Upper and Lower Horizon)	10x Human Consumption of Aquatic Organisms (d) (µg/L)	Saltwater Aquatic Criteria (e) (µg/L)	Freshwater Aquatic Criteria (e) (µg/L)	Lot 3 (Upper Horizon, near BAPB)	Lot 3 (Upper Horizon, Uplands)	Lot 3 (Lower Horizon)	
	On-Site Residential (µg/L)	On-Site Commercial/Industrial Worker (µg/L)	On-Site Groundskeeper/Maintenance Worker (µg/L)	Drinking Water Standards (c) (µg/L)				5x Aquatic Criteria (f) (µg/L)	40x Aquatic Criteria (f) (µg/L)	160x Aquatic Criteria (f) (µg/L)	
Inorganics											
Antimony	-	-	1.50E+05	6.00E+00	4.30E+04	na	na	2.20E+05	1.70E+06	6.90E+06	4.30E+03
Arsenic	-	-	1.10E+02	1.00E+01	- (h)	3.60E+01 (i)	1.50E+02 (i)	1.80E+02	1.40E+03	5.80E+03	3.60E+01
Barium	-	-	7.50E+07	1.00E+03	na	na	na	-	-	-	-
Beryllium	-	-	-	-	-	-	na	-	-	-	-
Cadmium	-	-	1.90E+05	5.00E+00	na	9.30E+00 (i)	1.10E+00 (n)	4.70E+01	3.70E+02	1.50E+03	1.10E+00
Chromium	-	-	5.60E+08	5.00E+01	na	-	1.80E+02 (i)(o)	-	-	-	1.80E+02
Cobalt	-	-	-	na	na	na	na	-	-	-	-
Copper	-	-	1.50E+07	1.00E+03	na	3.10E+00 (i)	9.00E+00 (i)(p)	1.60E+01	1.20E+02	5.00E+02	3.10E+00
Lead	-	-	-	1.50E+01	na	8.10E+00 (i)	2.50E+00 (i)(q)	4.10E+01	3.20E+02	1.30E+03	2.50E+00
Mercury	-	-	1.10E+05	2.00E+00	na (j)	2.10E+00 (j)	2.50E-02	1.10E+01	8.40E+01	3.40E+02	2.50E-02
Molybdenum	-	-	-	na	na	na	na	-	-	-	-
Nickel	-	-	9.30E+07	1.00E+02	4.60E+04	8.20E+00 (i)	5.20E+01 (i)(r)	4.10E+01	3.30E+02	1.30E+03	8.20E+00
Selenium	-	-	1.90E+06	5.00E+01	4.20E+04	5.00E+00	5.00E+00 (s)	2.50E+01	2.00E+02	8.00E+02	5.00E+00
Silver	-	-	3.10E+06	1.00E+02	na	1.90E+00 (i)(k)	3.40E+00 (i)(t)(u)	9.50E+00	7.60E+01	3.00E+02	1.90E+00
Thallium	-	-	2.50E+04	2.00E+00	6.30E+01	na	na	3.20E+02	2.50E+03	1.00E+04	6.30E+00
Vanadium	-	-	3.70E+05	na	na	na	na	-	-	-	-
Zinc	-	-	1.90E+08	5.00E+03	2.60E+05	8.10E+01 (i)	1.20E+02 (i)(v)	4.10E+02	3.20E+03	1.30E+04	8.10E+01
VOCs											
Acetone	7.90E+06	3.70E+07	2.20E+08	na	na	na	na	-	-	-	-
Benzene	2.00E+01	6.10E+01	4.40E+02	1.00E+00	7.10E+02	na	na	3.60E+03	2.80E+04	1.10E+05	7.10E+01
Bromochloromethane	1.80E+03	5.60E+03	6.20E+03	na	na	na	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	2.80E+06	1.30E+07	1.40E+08	na	na	na	na	-	-	-	-
Carbon Disulfide	1.60E+04	7.60E+04	1.30E+06	na	na	na	-	-	-	-	-
Carbon Tetrachloride	2.80E+00	8.50E+00	1.60E+02	5.00E-01	4.40E+01	na	-	2.20E+02	1.80E+03	7.00E+03	4.40E+00
Chlorobenzene	2.50E+05	1.10E+06	1.40E+05	7.00E+01	2.10E+05	na	na	1.10E+06	8.40E+06	3.40E+07	2.10E+04
Chloroform	1.30E+02	4.00E+02	2.50E+03	8.00E+01	4.70E+03	na	-	2.40E+04	1.90E+05	7.50E+05	4.70E+02
2-Chlorotoluene	1.90E+04	8.90E+04	7.80E+04	na	na	na	-	-	-	-	-
Dibromomethane	3.70E+04	1.70E+05	3.60E+05	na	na	na	-	-	-	-	-
1,2-Dichlorobenzene	1.00E+05	4.70E+05	3.50E+05	6.00E+02	1.70E+05	na	-	8.50E+05	6.80E+06	2.70E+07	1.70E+04
1,4-Dichlorobenzene	1.50E+02	4.60E+02	1.90E+03	5.00E+00	2.60E+04	na	-	1.30E+05	1.00E+06	4.20E+06	2.60E+03
1,1-Dichloroethane	4.00E+02	1.20E+03	1.50E+04	5.00E+00	na	na	-	-	-	-	-
1,2-Dichloroethane	1.20E+02	3.60E+02	2.90E+03	5.00E-01	9.90E+02	na	-	5.00E+03	4.00E+04	1.60E+05	9.90E+01
1,1-Dichloroethene	1.90E+03	8.90E+03	6.30E+05	6.00E+00	3.20E+01	na	-	1.60E+02	1.30E+03	5.10E+03	3.20E+00
cis-1,2-Dichloroethene	7.20E+03	3.40E+04	2.70E+05	6.00E+00	na	na	na	-	-	-	-
trans-1,2-Dichloroethene	6.70E+03	3.10E+04	5.10E+05	1.00E+01	1.40E+06	na	-	7.00E+06	5.60E+07	2.20E+08	1.40E+05
1,2-Dichloropropane	1.20E+02	3.70E+02	1.90E+03	5.00E+00	3.90E+02	na	-	2.00E+03	1.60E+04	6.20E+04	3.90E+01

Table 7
Screening Criteria for Groundwater and Surface-Water Samples
Campus Bay, Richmond, California

Chemical	Human Health Risk-Based SSGs (a)			SSGs Based on Published Criteria (a)				Aquatic Criteria (b)			Storm-Water Criteria (g) (µg/L)
	Lots 1, 2, and 3 (Upper Horizon)			Lots 1 and 2 (Upper and Lower Horizon)	10x Human Consumption of Aquatic Organisms (d) (µg/L)	Saltwater Aquatic Criteria (e) (µg/L)	Freshwater Aquatic Criteria (e) (µg/L)	Lot 3 (Upper Horizon, near BAPB)	Lot 3 (Upper Horizon, Uplands)	Lot 3 (Lower Horizon)	
	On-Site Residential (µg/L)	On-Site Commercial/Industrial Worker (µg/L)	On-Site Groundskeeper/Maintenance Worker (µg/L)	Drinking Water Standards (c) (µg/L)				5x Aquatic Criteria (f) (µg/L)	40x Aquatic Criteria (f) (µg/L)	160x Aquatic Criteria (f) (µg/L)	
VOCs (cont.)											
Ethylbenzene	2.40E+05	1.10E+06	4.20E+05	3.00E+02	2.90E+05	na	-	1.50E+06	1.20E+07	4.60E+07	2.90E+04
Methylene Chloride	9.80E+02	3.00E+03	1.30E+04	5.00E+00	na	na	na	-	-	-	-
Naphthalene	2.10E+02	6.40E+02	9.00E+01	na	na	na	na	-	-	-	-
1,1,2,2-Tetrachloroethane	1.30E+02	4.00E+02	2.10E+02	1.00E+00	1.10E+02	na	na	5.50E+02	4.40E+03	1.80E+04	1.10E+01
Tetrachloroethene	3.80E+01	1.10E+02	2.20E+01	5.00E+00	8.90E+01	na	na	4.40E+02	3.50E+03	1.40E+04	8.90E+00
Toluene	3.50E+04	1.60E+05	5.70E+05	1.50E+02	2.00E+06	na	na	1.00E+07	8.00E+07	3.20E+08	2.00E+05
1,1,2-Trichloroethane	2.10E+02	6.30E+02	1.10E+03	5.00E+00	4.20E+02	na	-	2.10E+03	1.70E+04	6.70E+04	4.20E+01
Trichloroethene (w)	1.10E+02	2.70E+02	8.90E+02	5.00E+00	8.10E+02	na	na	4.10E+03	3.20E+04	1.30E+05	8.10E+01
Trichlorofluoromethane (Freon 11)	5.30E+03	2.50E+04	2.40E+06	1.50E+02	na	na	-	-	-	-	-
1,2,3-Trichloropropane	1.20E+01	3.70E+01	1.90E+01	na	na	na	-	-	-	-	-
Trichlorotrifluoroethane (Freon 113)	5.20E+04	2.40E+05	3.80E+07	1.20E+03	na	na	-	-	-	-	-
1,2,4-Trimethylbenzene	1.10E+03	5.30E+03	1.60E+05	na	na	na	na	-	-	-	-
Vinyl Chloride	1.20E+00	3.60E+00	3.00E+02	5.00E-01	5.30E+03	na	-	2.60E+04	2.10E+05	8.40E+05	5.30E+02
Xylenes, total	1.10E+05	5.00E+05	7.80E+05	1.80E+03 (l)	na	na	na	-	-	-	-
m,p-Xylenes	8.30E+04	3.90E+05	7.80E+05	1.80E+03 (l)	na	na	-	-	-	-	-
o-Xylene	1.10E+05	5.00E+05	7.80E+05	1.80E+03 (l)	na	na	-	-	-	-	-
Pesticides											
alpha-BHC	-	-	6.60E+00	na	1.30E-01	na	na	6.50E-01	5.20E+00	2.10E+01	1.30E-02
beta-BHC	-	-	1.20E+01	na	4.60E-01	na	na	2.30E+00	1.80E+01	7.40E+01	4.60E-02
delta-BHC	-	-	1.60E+01	na	na	na	na	-	-	-	-
gamma-BHC	-	-	1.60E+01	na	6.30E-01	1.60E-01 (m)	9.50E-01 (m)	8.00E-01	6.40E+00	2.60E+01	6.30E-02
Butylate	-	-	2.40E+06	na	na	5.50E+01	na	2.80E+02	2.20E+03	8.80E+03	5.50E+01
Cycloate	-	-	9.80E+04	na	na	4.70E+01	na	2.40E+02	1.90E+03	7.50E+03	4.70E+01
4,4'-DDD	-	-	4.20E+00	na	8.40E-03	1.00E-03	1.00E-03	5.00E-03	4.00E-02	1.60E-01	8.40E-04
4,4'-DDT	-	-	1.80E+00	na	5.90E-03	1.00E-03	1.00E-03	5.00E-03	4.00E-02	1.60E-01	5.90E-04
EPTC	5.30E+05	2.50E+06	1.20E+06	na	na	4.30E+01	na	2.20E+02	1.70E+03	6.90E+03	4.30E+01
Heptachlor	-	-	3.70E+00	na	2.10E-03	3.60E-03	3.80E-03	1.10E-02	8.40E-02	3.40E-01	2.10E-04
Molinate	-	-	9.80E+04	na	na	3.50E+01	na	1.80E+02	1.40E+03	5.60E+03	3.50E+01
Napropamide	-	-	4.90E+06	na	na	4.70E+01	na	2.40E+02	1.90E+03	7.50E+03	4.70E+01
Pebulate	-	-	2.40E+06	na	na	2.30E+01	na	1.20E+02	9.20E+02	3.70E+03	2.30E+01
Vernolate	-	-	4.90E+04	na	na	na	-	-	-	-	-

Table 7
Screening Criteria for Groundwater and Surface-Water Samples
 Campus Bay, Richmond, California

Abbreviations:

BAPB = biologically active permeable barrier
 BHC = hexachlorocyclohexane
 COPC = chemical of potential concern
 CTR = California Toxics Rule
 DDD = dichlorodiphenyldichloroethane
 DDT = dichlorodiphenyltrichloroethane
 EPTC = s-ethyl dipropylthiocarbamate
 HHRA = Human Health Risk Assessment
 MCL = maximum contaminant level

NRWQC = National Recommended Ambient Water Quality Criteria
 PER = Pacific EcoRisk Report
 SSG = site-specific goal
 mg/L = milligrams per liter
 µg/L = micrograms per liter
 U.S. EPA = United States Environmental Protection Agency
 VOCs = volatile organic compounds

A hyphen (-) indicates that the chemical is not a COPC in the media (see Table G-1 of the Revised HHRA [EKI 2008]), the pathway indicated for the COPC is not complete, or chemical or toxicity properties for the pathway and COPC are unavailable. na indicates that the numerical value is not available for the chemical.

Notes:

- (a) Groundwater SSGs are developed in Appendix G of the Revised HHRA (EKI 2008) for chemicals retained as COPCs in groundwater and volatile COPCs in soil. The formulas used to calculate SSGs are presented in Appendix H of the Revised HHRA. Please note that groundwater SSGs have not been compared to the solubility in water; therefore some SSGs may exceed the COPC's solubility in water. Additionally, the Human Consumption of Aquatic Organisms criteria, Salt Water Aquatic Criteria, and Freshwater Aquatic Criteria are used to select screening criteria for Lot 3 groundwater and storm water, as described in footnotes (b), (f), and (g).
- (b) The aquatic criteria are the more stringent of the 10x Human Consumption of Aquatic Organisms value and the Salt Water Aquatic Criteria value.
- (c) The drinking water criteria presented in this table are the more stringent of federal (U.S. EPA 2005) and California (CDHS 2007) primary and secondary maximum contaminant levels (MCLs).
- (d) Human health criteria based on consumption of aquatic organisms are from the following sources in order of preference: CTR (U.S. EPA 2000) and the NRWQC (U.S. EPA 2006).
- (e) Saltwater Aquatic Criteria are the continuous concentration criteria, where available, from the following sources in order of preference: (1) more stringent of the Basin Plan (RWQCB 2006) and the CTR (U.S. EPA 2000), (2) the NRWQC (U.S. EPA 2006), and (3) the PER (1999). Freshwater Aquatic Criteria are the continuous concentration criteria, where available, from the following sources in order of preference: (1) more stringent of the Basin Plan (RWQCB 2006) and the CTR (U.S. EPA 2000), and (2) the NRWQC (U.S. EPA 2006).
- (f) The dilution factors of 5, 40, and 160 for Lot 3 groundwater are developed and presented in Appendix E of the Feasibility Study and Remedial Action Plan for Lots 1, 2, and 3 (Terraphase 2018).
- (g) The storm-water criteria are the more stringent of the Human Consumption of Aquatic Organisms value (without the 10x factor), the Salt Water Aquatic Criteria value, and Freshwater Aquatic Criteria value.
- (h) The NRWQC criterion of 0.14 µg/L not considered herein because this criterion, presented in the 1992 version of the CTR, is currently being reviewed by U.S. EPA (2006).
- (i) These SSGs are expressed in terms of the dissolved fraction of the metal in the water column.
- (j) On August 9, 2006, the RWQCB adopted Resolution R2-2006-0052 amending the Basin Plan. That amendment was subsequently approved by the State Water Resources Control Board on July 17, 2007, and the U.S. EPA on February 12, 2008.
- (k) Since the chronic criterion for silver was not available (in the references reviewed), the 1-hour acute criterion was used instead. The amendment vacated the marine waters four-day average water-quality objective for San Francisco Bay waters that was cited in the HHRA, and retained the AWQC of 2.1 µg/L one-hour average that is listed above for mercury. [http://www.waterboards.ca.gov/sanfranciscobay/water_issues/programs/TMDLs/sfbaymercurytmdl.shtml]
- (l) SSGs for xylenes are for the sum of all isomers.
- (m) Maximum concentration criterion presented because the continuous concentration criterion was not available.
- (n) The objective for cadmium is hardness dependant. The value in table is for a hardness of 100 mg/L as CaCO3. At other hardnesses, the four-day cadmium value is expressed by $e^{(0.7852 \cdot H - 3.490)}$, where H = ln (hardness) as CaCO3 in mg/L (RWQCB 2006).
- (o) The objective listed for chromium is for chromium (III) and is hardness dependent. The value in the table is for a hardness of 100 mg/L CaCO3. At other hardnesses, the four-day average for chromium (III) is expressed by $0.860 \cdot e^{(0.8190 \cdot H + 1.561)}$, where H = ln (hardness) as CaCO3 in mg/L (RWQCB 2006).
- (p) The objective for copper is hardness dependent. The value in the table is for a hardness of 100 mg/L as CaCO3. At other hardnesses, the four-day average for copper is expressed by $0.960 \cdot e^{(0.8545 \cdot H - 1.702)}$, where H = ln (hardness) as CaCO3 in mg/L (RWQCB 2006).
- (q) The objective for lead is hardness dependent. The value in this table is for a hardness 100 mg/L as CaCO3. At other hardnesses, the four-day average lead value is expressed by $(1.46203 - 0.475712 \cdot H) \cdot e^{(1.273 \cdot H - 4.705)}$, where H = ln (hardness) as CaCO3 in mg/L (RWQCB 2006).
- (r) The objective for nickel is based on hardness. The value in the table is for 100 mg/L hardness as CaCO3. At other hardnesses, the four-day nickel value is expressed by $0.997 \cdot e^{(0.8460H + 0.0584)}$, where H = ln (hardness) as CaCO3 in mg/L (RWQCB 2006).
- (s) The Basin Plan references the selenium criterion promulgated for all San Francisco Bay/Delta in the National Toxics Rule (40 Code of Federal Regulations, Part 131), which is 5.0 µg/L for the four-day average value (RWQCB 2006).
- (t) Since the chronic criterion for silver was not available (in the references reviewed), the 1-hour acute criterion was used instead.
- (u) The objective for silver is based on hardness. The table value assumes a hardness of 100 mg/L CaCO3. At other hardnesses, the 1-hour silver value is expressed by $0.85 \cdot e^{(1.72 \cdot H - 6.52)}$, where H = ln (hardness) as CaCO3 in mg/L (RWQCB 2006).
- (v) The objective for zinc is hardness dependent. The value in the table is for a hardness of 100 mg/L as CaCO3. At other hardnesses, the four-day zinc value is expressed by $0.986 \cdot e^{(0.8473 \cdot H + 0.884)}$, where H = ln (hardness) as CaCO3 in mg/L (RWQCB 2006).
- (w) SSGs for TCE were revised as presented in the "Revised TCE Risk Evaluation Technical Memorandum" (Terraphase 2012) and based on input from DTSC (Terraphase 2018).

Table 7
Screening Criteria for Groundwater and Surface-Water Samples
Campus Bay, Richmond, California

References:

- CDHS 2007. California Code of Regulations, Title 22, Division 4, Chapter 15 - Domestic Water Quality and Monitoring, California Department of Health Services, 2007.
- EKI 2008. Revised Human Health Risk Assessment and Calculation of Site Specific Goals for Lot 1, 2 and 3, Campus Bay Site, Richmond, California, April 30, 2008.
- PER 1999. Sediment Quality in Stege Marsh: 1. Ecological Risk Assessment, Pacific EcoRisk, 1999.
- RWQCB 2006. Water Quality Control Plan (Basin Plan) for the San Francisco Bay Basin, San Francisco Bay Regional Water Quality Control Board, December 2006.
- Terraphase Engineering, Inc. (Terraphase). 2012. Revised TCE Risk Evaluation Technical Memorandum. July 19.
- Terraphase Engineering, Inc. (Terraphase). 2018. Feasibility Study and Remedial Action Plan for Lot 1, Lot 2, and the Uplands Portion of Lot 3, Campus Bay, Richmond, California. July 9.
- U.S. EPA 1989. Risk Assessment Guidance for Superfund (RAGS"), Volume 1, Human Health Evaluation Manual (Part A), EPA/540/1-89/002, U.S. Environmental Protection Agency, Office of Emergency and Remedial Response (OERR), December 1989.
- U.S. EPA 2000. Water Quality Standards; Establishment of Numeric Criteria for Priority Toxic for the State of California; Rule, Federal Register 40 CFR Part 131, May 2000.
available at: <http://www.epa.gov/waterscience/standards/ctr/toxic.pdf>
- U.S. EPA 2002. National Toxics Rule, 40 CFR Ch I (7-1-02), Section 131.36, U.S. Environmental Protection Agency, 2002.
- U.S. EPA 2004. User's Guide and Background Technical Document for USEPA Region 9's Preliminary Remediation Goals (PRG) Table, U.S. EPA Region IX, October 2004.
- U.S. EPA 2006. Code of Federal Regulations, Title 40, Part 131 - Water Quality Standards, U.S. Environmental Protection Agency, 2005.
- U.S. EPA 2006. National Recommended Water Quality Criteria, Office of Water, Office of Science and Technology, 2006, available at: <http://epa.gov/waterscience/criteria/nrwqc-2006.pdf>
- U.S. EPA 2007. Integrated Risk Information System (IRIS), United States Environmental Protection Agency, Washington, D.C., last updated January 2007, available at: <http://www.epa.gov/iris>

Table 8
Sampling Analytical Results
Summary of BAPB Cluster Wells Indicator Parameters and Dissolved Metals
Campus Bay, Richmond, CA

Lot/Location	Field ID	Sample Type	Sampled Date	Sample Horizon	Sample Location Relative to BAPB (Applicable to Lot 3 Wells Only)	Alkalinity, Bicarbonate	Ferrous Iron	pH	Sulfate	Sulfide	Oxidation Reduction Potential	Arsenic	Copper	Lead	Nickel	Zinc
						mg/L	mg/L	SU	mg/L	mg/L	mV	µg/L	µg/L	µg/L	µg/L	µg/L
5x Aquatic Criteria, Lot 3 (Upper Horizon, Near BAPB)						-	-	-	-	-	-	1.80E+02	1.60E+01	4.10E+01	4.10E+01	4.10E+02
On-Site Groundskeeper/Maintenance Worker Lots 1, 2, and 3 (Upper Horizon)						-	-	-	-	-	-	1.10E+02	1.50E+07	-	9.30E+07	1.90E+08
Lot 3	MW-2	Primary	4/6/2018	Upper	Immediately UG	440	79	6.12	760	<0.04	-57.3	190	<5	<5	5.6	<20
Lot 3	MW-3	Primary	4/4/2018	Upper	In BAPB	450	15	6.4	450	3.9	-261.1	<10	<5	<5	5	<20
Lot 3	MW-4	Primary	4/4/2018	Upper	DG of BAPB	270	68	6.41	1400	0.04	-90.8	160	<5	<5	10	26
Lot 3	MW-4-D	Duplicate	4/4/2018	Upper	DG of BAPB	270	75	6.41	1400	<0.04	-90.8	140	<5	<5	11	28
Lot 3	MW-8	Primary	4/6/2018	Upper	Immediately UG	460	46	6.23	680	<0.04	-77.1	96	<5	<5	<5	70
Lot 3	MW-9	Primary	4/6/2018	Upper	In BAPB	420	30	6.22	750	0.08	-89.3	430	<5	<5	<5	<20
Lot 3	MW-28	Primary	4/4/2018	Upper	DG of BAPB	160	42	5.8	950	<0.04	-13.3	59	<5	<5	5.1	40
Lot 3	MW-13	Primary	4/6/2018	Upper	Immediately UG	540	16	6.32	640	0.05	-47.2	30	<5	<5	21	350
Lot 3	MW-14	Primary	4/5/2018	Upper	In BAPB	230	6.2	6.24	520	0.12	-116.4	21	<5	<5	<5	<20
Lot 3	MW-15	Primary	4/5/2018	Upper	DG of BAPB	240	2.6	6.19	430	<0.04	33.3	13	92	<5	<5	360

Abbreviations:

<5.0 = Concentration not detected at or above indicated laboratory reporting limit.

- = Sample not analyzed or criteria not available.

BAPB = Biologically Active Permeable Barrier

UG = Upgradient

DG = Downgradient

mV = Millivolts

mg/L = Milligrams per liter

MW = Monitoring well

SU = Standard units

µg/L = Micrograms per liter

Notes:

This table summarizes data presented in Tables 3 through 6 for cluster wells upgradient, within, and downgradient of the BAPB. The indicator parameters presented in this table are measured in the BAPB cluster wells to evaluate the effectiveness of the BAPB in buffering the groundwater and creating reducing conditions necessary for the precipitation of dissolved metals in groundwater.

Field pH measurements reported in table.

Screening criteria and sources for screening criteria are summarized in Table 7.

If a screening criterion is exceeded, the analytical results are designated as follows:

 indicates a detection in upper horizon groundwater above 5 times the aquatic criterion

 indicates a detection in upper horizon groundwater above the groundskeeper/maintenance worker site-specific goal

FIGURES

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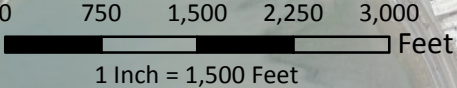


Legend

Approximate Site Boundary

Richmond

San Francisco Bay



SAFETY FIRST

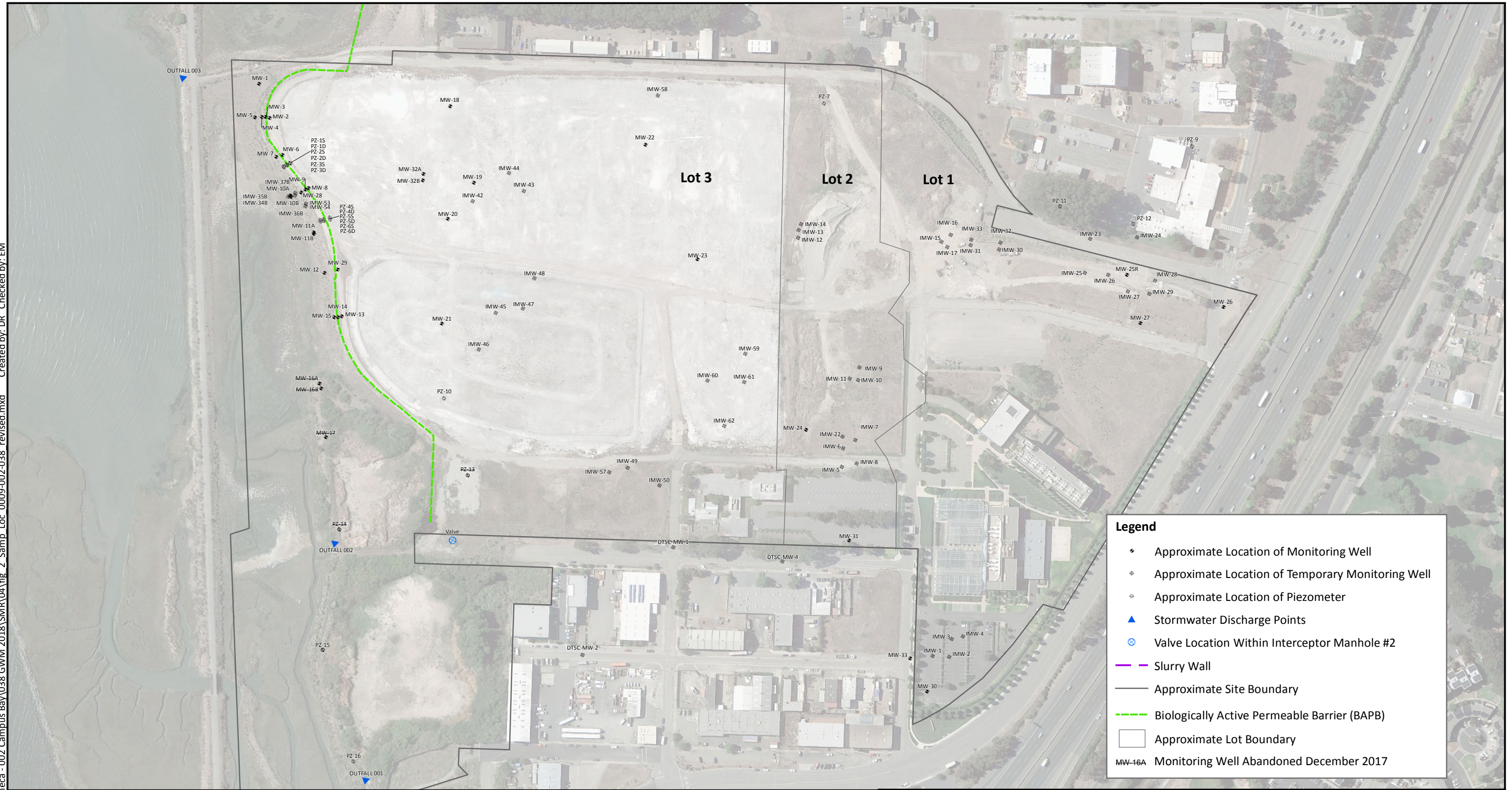


CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.038B

Site Location

FIGURE 1

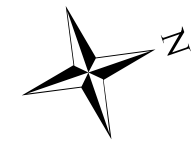
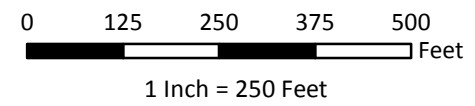
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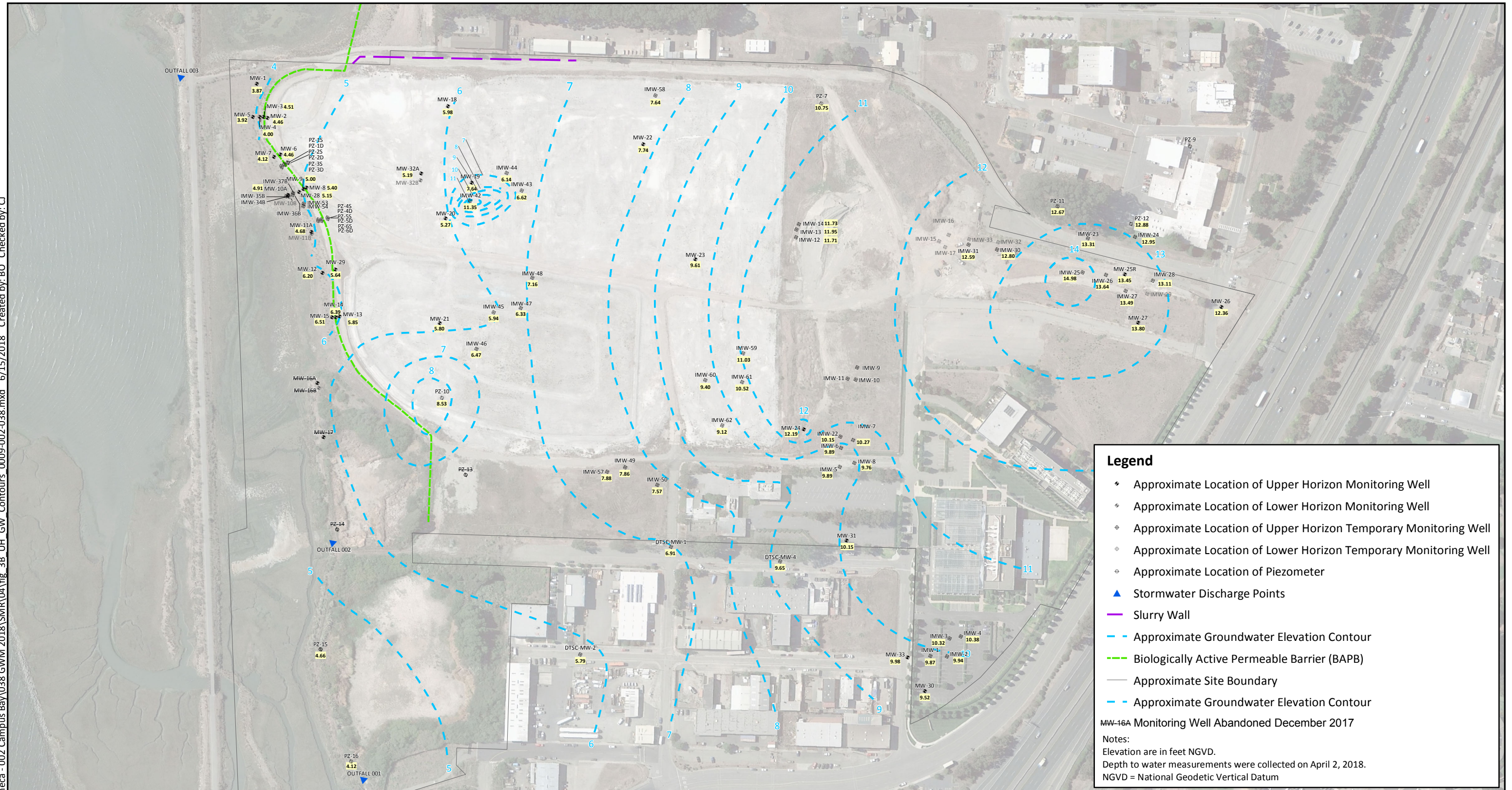
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- ⊕ Approximate Location of Temporary Monitoring Well
- ⊙ Approximate Location of Piezometer
- ▲ Stormwater Discharge Points
- ⊗ Valve Location Within Interceptor Manhole #2
- Slurry Wall
- Approximate Site Boundary
- Biologically Active Permeable Barrier (BAPB)
- Approximate Lot Boundary
- MW-16A Monitoring Well Abandoned December 2017

Aerial imagery captured on 10/1/2009 (Google, 2010)



 	CLIENT:	Zeneca, Inc.	Site Plan and Monitoring Well Locations
	PROJECT:	Campus Bay Richmond, CA	
	PROJECT NUMBER:	0009.002.038B	
			FIGURE 2

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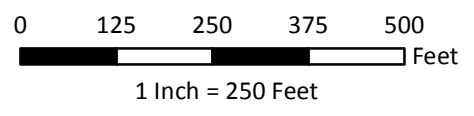
Legend

- ◆ Approximate Location of Upper Horizon Monitoring Well
- ◆ Approximate Location of Lower Horizon Monitoring Well
- ◆ Approximate Location of Upper Horizon Temporary Monitoring Well
- ◆ Approximate Location of Lower Horizon Temporary Monitoring Well
- ◆ Approximate Location of Piezometer
- ▲ Stormwater Discharge Points
- Slurry Wall
- - - Approximate Groundwater Elevation Contour
- Biologically Active Permeable Barrier (BAPB)
- Approximate Site Boundary
- - - Approximate Groundwater Elevation Contour

MW-16A Monitoring Well Abandoned December 2017

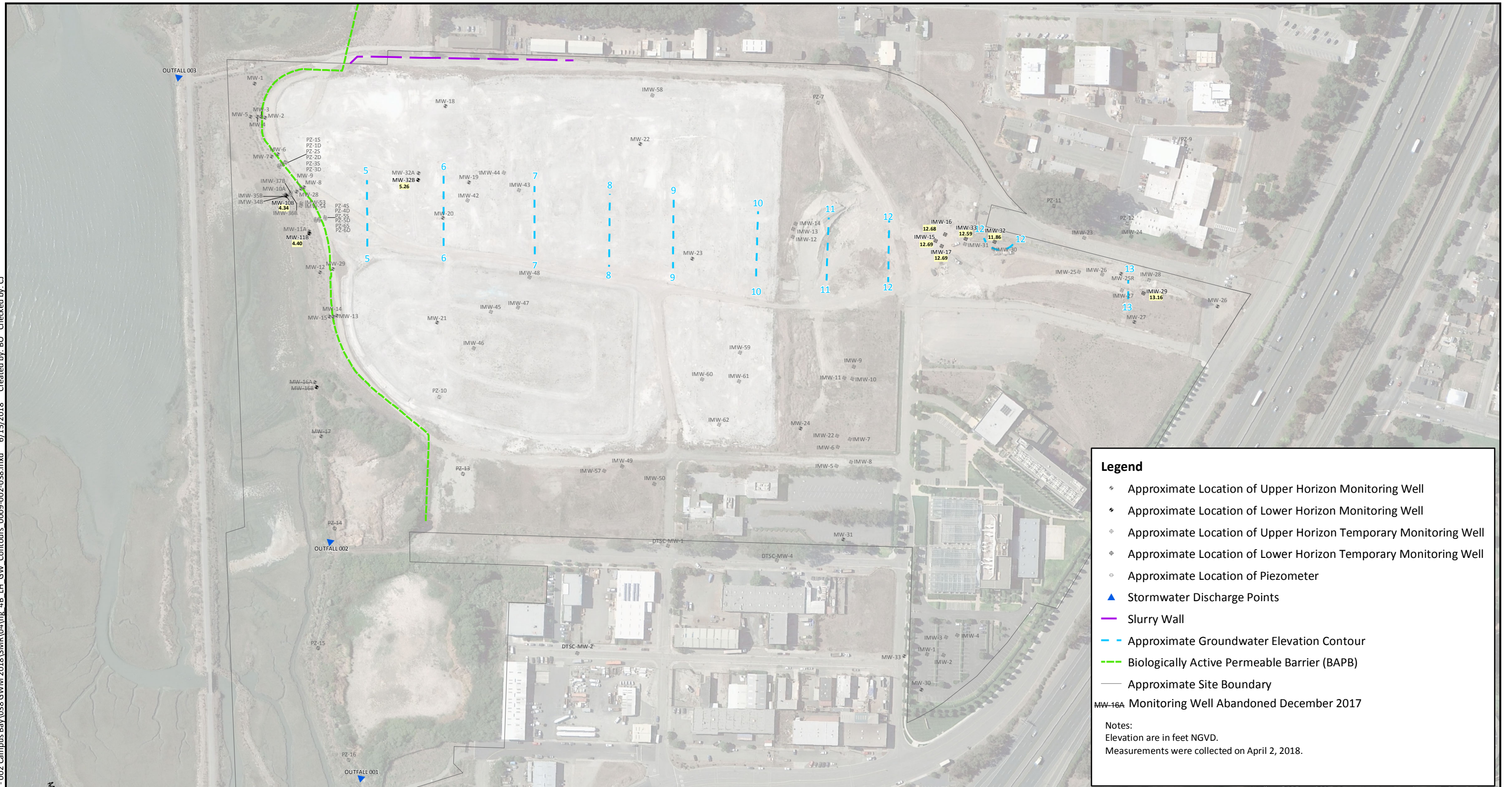
Notes:
 Elevation are in feet NGVD.
 Depth to water measurements were collected on April 2, 2018.
 NGVD = National Geodetic Vertical Datum

Aerial imagery captured on 10/1/2009 (Google, 2010)

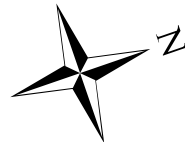
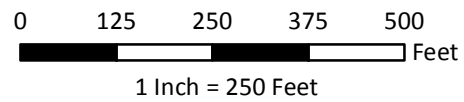


	CLIENT:	Zeneca, Inc.	Groundwater Elevation Contours Upper Horizon April 2, 2018 FIGURE 3
	PROJECT:	Campus Bay Richmond, CA	
	PROJECT NUMBER:	0009.002.038B	

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Aerial imagery captured on 10/1/2009 (Google, 2010)



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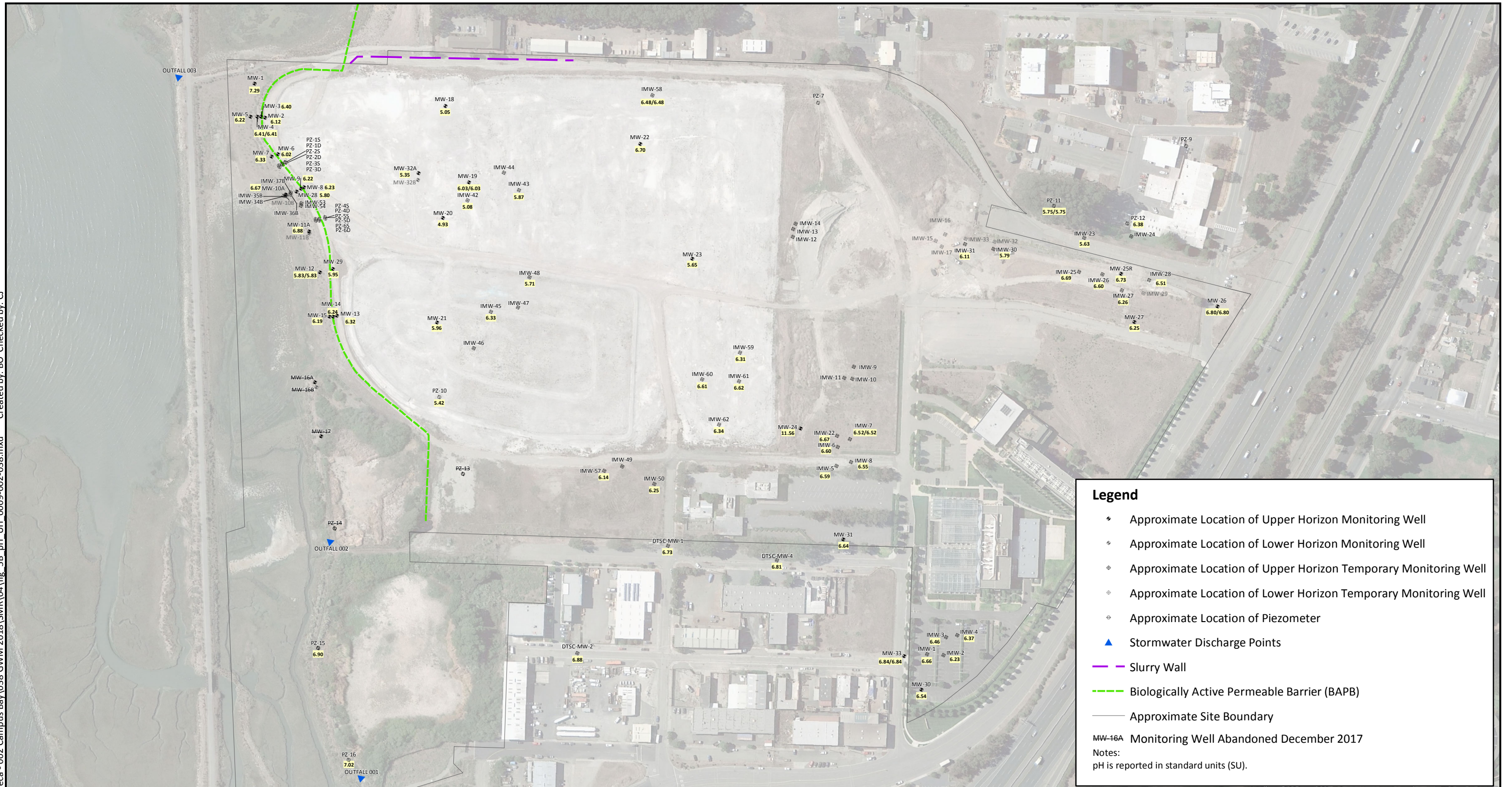


CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.038B

Groundwater Elevation Contours
Lower Horizon
April 2, 2018

FIGURE 4

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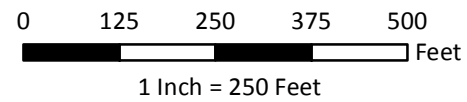


Legend

- ◆ Approximate Location of Upper Horizon Monitoring Well
- ◆ Approximate Location of Lower Horizon Monitoring Well
- ⊕ Approximate Location of Upper Horizon Temporary Monitoring Well
- ⊕ Approximate Location of Lower Horizon Temporary Monitoring Well
- ⊖ Approximate Location of Piezometer
- ▲ Stormwater Discharge Points
- Slurry Wall
- Biologically Active Permeable Barrier (BAPB)
- Approximate Site Boundary

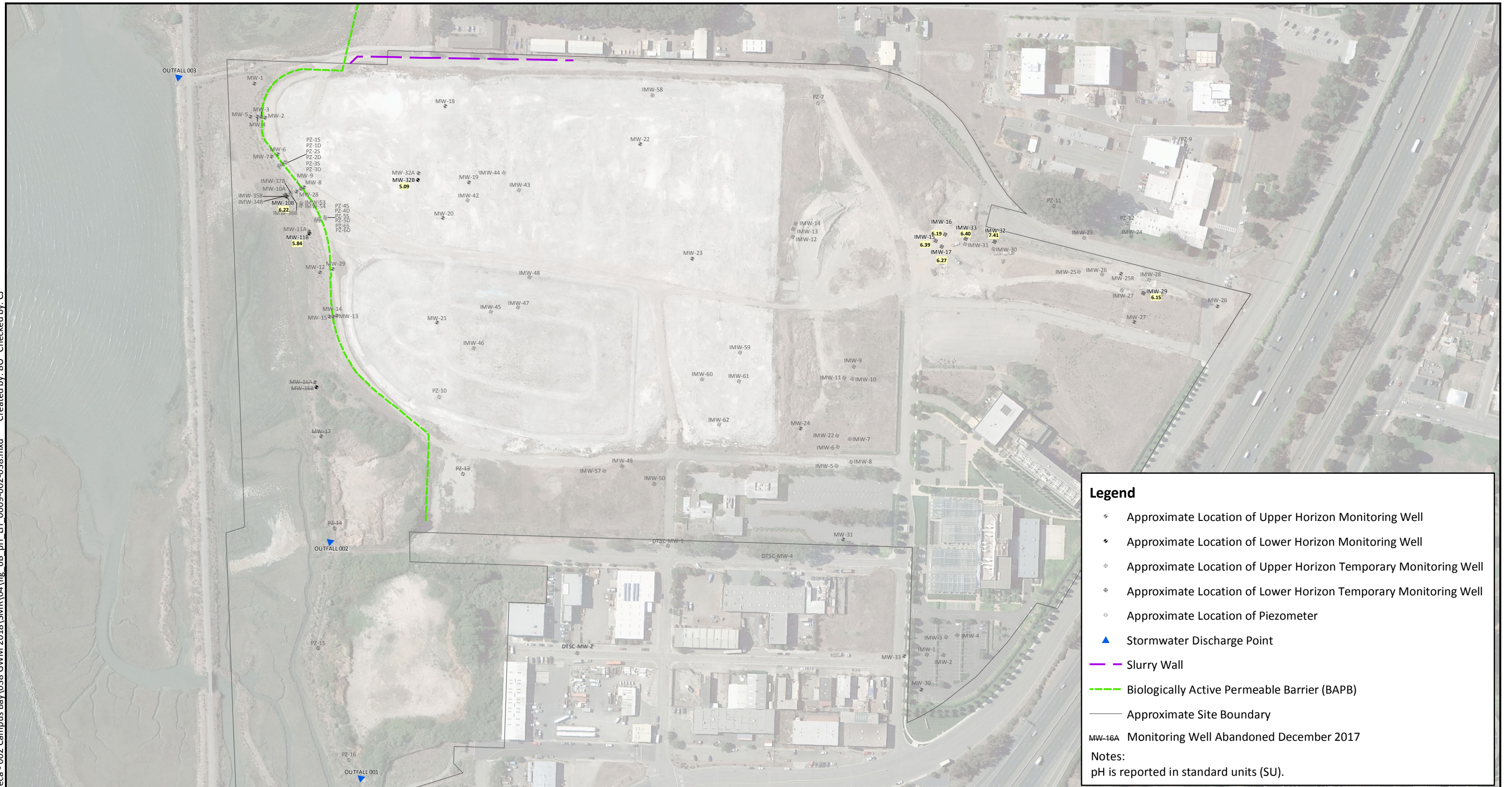
MW-16A Monitoring Well Abandoned December 2017
 Notes:
 pH is reported in standard units (SU).

Aerial imagery captured on 10/1/2009 (Google, 2010)



SAFETY FIRST 	CLIENT:	Zeneca, Inc.	pH in Upper Horizon Groundwater April 2018
	PROJECT:	Campus Bay Richmond, CA	
PROJECT NUMBER:	0009.002.038B	FIGURE 5	

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\038 GWM 2018\SMR\04\fig_6B_pH_LH_0009-002-038.mxd Created by: BO Checked by: CJ



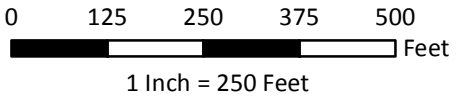
Legend

- ◆ Approximate Location of Upper Horizon Monitoring Well
- ◆ Approximate Location of Lower Horizon Monitoring Well
- ⊕ Approximate Location of Upper Horizon Temporary Monitoring Well
- ⊕ Approximate Location of Lower Horizon Temporary Monitoring Well
- Approximate Location of Piezometer
- ▲ Stormwater Discharge Point
- Slurry Wall
- Biologically Active Permeable Barrier (BAPB)
- Approximate Site Boundary

MW-16A Monitoring Well Abandoned December 2017

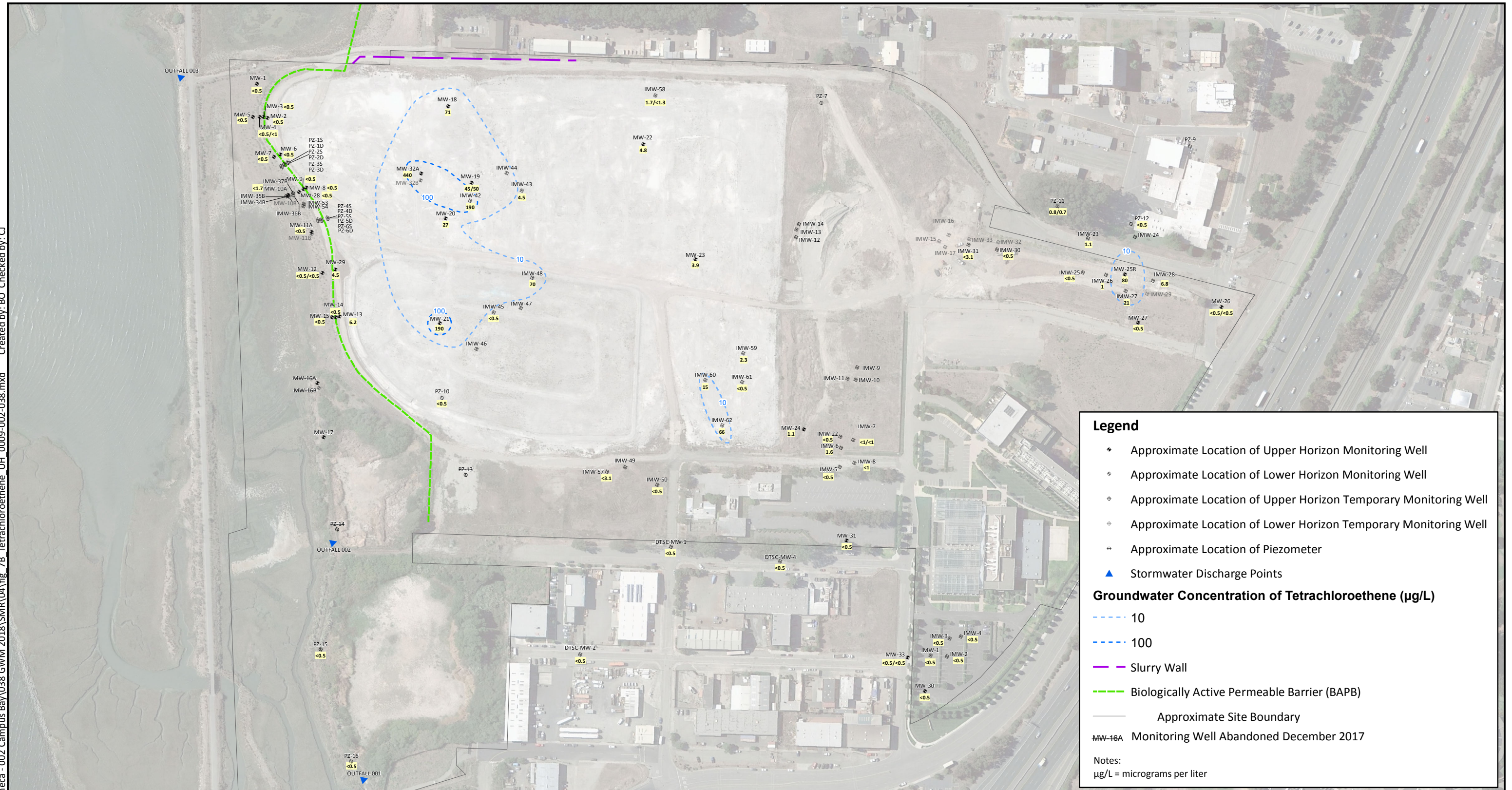
Notes:
pH is reported in standard units (SU).

Aerial imagery captured on 10/1/2009 (Google, 2010)

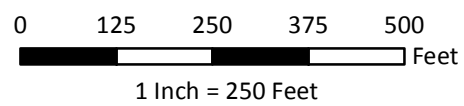


 	CLIENT:	Zeneca, Inc.	<p>pH in Lower Horizon Groundwater April 2018</p> <p>FIGURE 6</p>
	PROJECT:	Campus Bay Richmond, CA	
	PROJECT NUMBER:	0009.002.038B	

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\038 GWM 2018\SMR\04 fig. 7B_Tetrachloroethene_UH_0009-002-038.mxd Created by: BO Checked by: CJ



Aerial imagery captured on 10/1/2009 (Google, 2010)



SAFETY FIRST

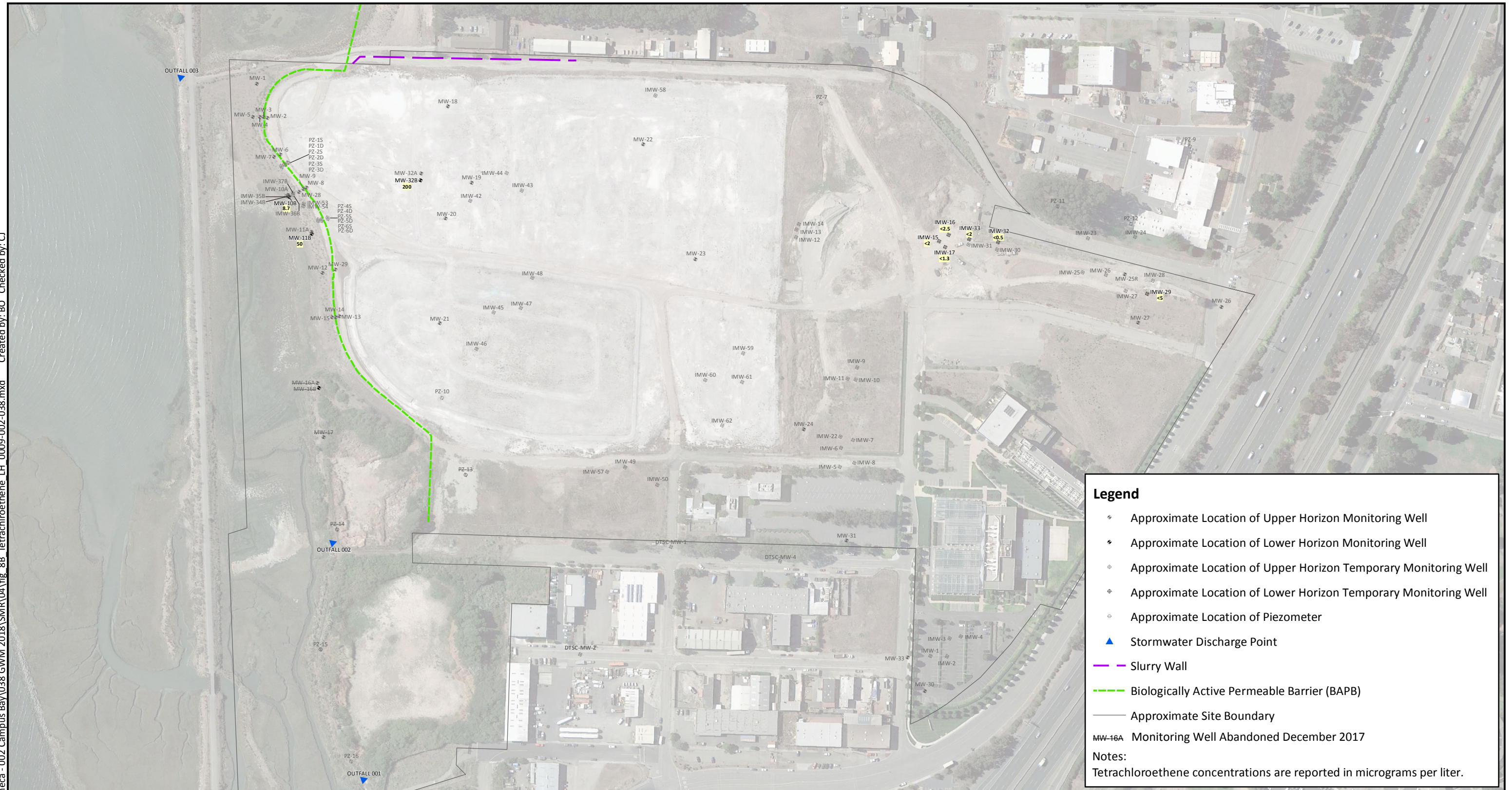


CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.038B

**Concentration of Tetrachloroethene
in Upper Horizon Groundwater
April 2018**

FIGURE 7

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\038 GWM 2018\SMR\04\fig_8B_Tetrachloroethene_LH_0009-002-038.mxd Created by: BO Checked by: CJ



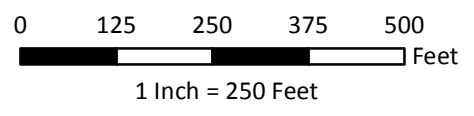
Legend

- ◆ Approximate Location of Upper Horizon Monitoring Well
- ◆ Approximate Location of Lower Horizon Monitoring Well
- ⊕ Approximate Location of Upper Horizon Temporary Monitoring Well
- ⊕ Approximate Location of Lower Horizon Temporary Monitoring Well
- Approximate Location of Piezometer
- ▲ Stormwater Discharge Point
- Slurry Wall
- Biologically Active Permeable Barrier (BAPB)
- Approximate Site Boundary

MW-16A Monitoring Well Abandoned December 2017

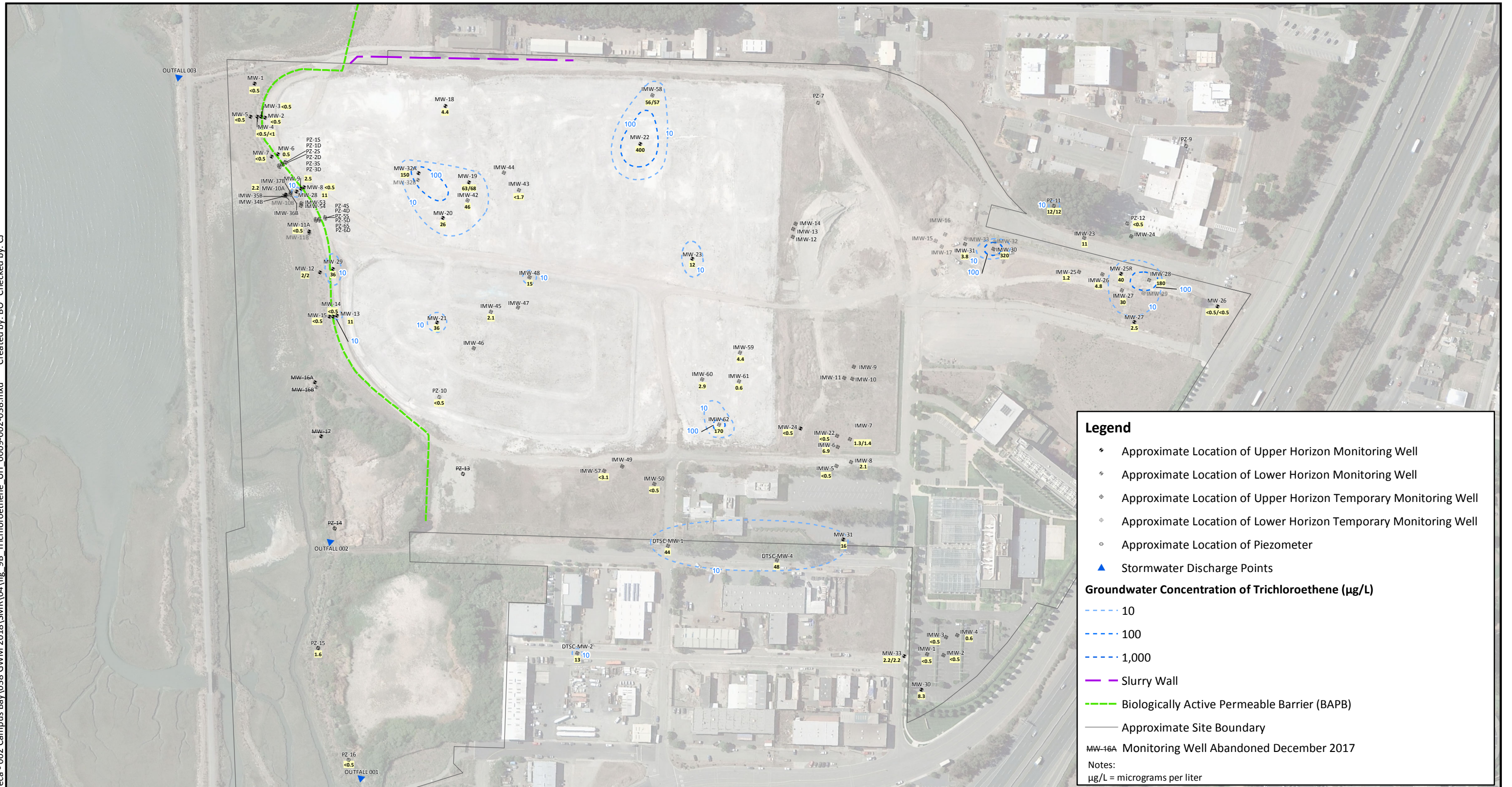
Notes:
Tetrachloroethene concentrations are reported in micrograms per liter.

Aerial imagery captured on 10/1/2009 (Google, 2010)

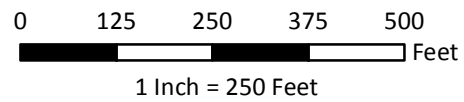


 	CLIENT:	Zeneca, Inc.	Concentration of Tetrachloroethene in Lower Horizon Groundwater April 2018
	PROJECT:	Campus Bay Richmond, CA	
PROJECT NUMBER:	0009.002.038B	FIGURE 8	

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\038 GWM 2018\SMR\04\fig_9B_Trichloroethene_UH_0009-002-038.mxd Created by: BO Checked by: CJ



Aerial imagery captured on 10/1/2009 (Google, 2010)



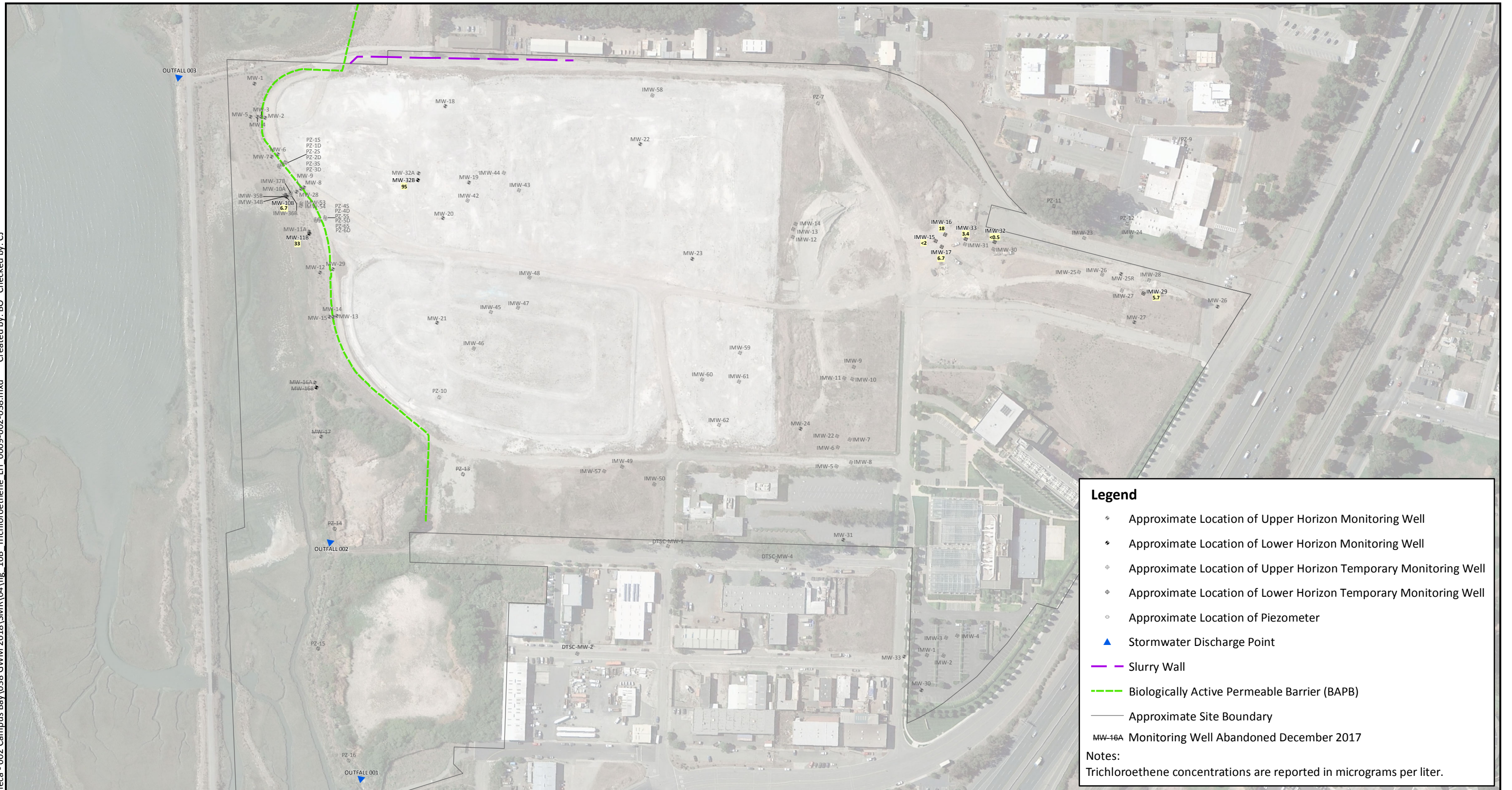
SAFETY FIRST



CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.038B

**Concentration of Trichloroethene
in Upper Horizon Groundwater
April 2018**

FIGURE 9



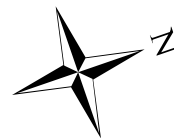
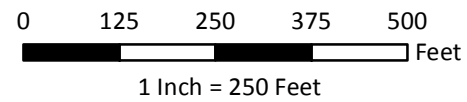
Legend

- ◆ Approximate Location of Upper Horizon Monitoring Well
- ◆ Approximate Location of Lower Horizon Monitoring Well
- ⊕ Approximate Location of Upper Horizon Temporary Monitoring Well
- ⊕ Approximate Location of Lower Horizon Temporary Monitoring Well
- ⊖ Approximate Location of Piezometer
- ▲ Stormwater Discharge Point
- Slurry Wall
- Biologically Active Permeable Barrier (BAPB)
- Approximate Site Boundary

MW-16A Monitoring Well Abandoned December 2017

Notes:
Trichloroethene concentrations are reported in micrograms per liter.

Aerial imagery captured on 10/1/2009 (Google, 2010)



SAFETY FIRST

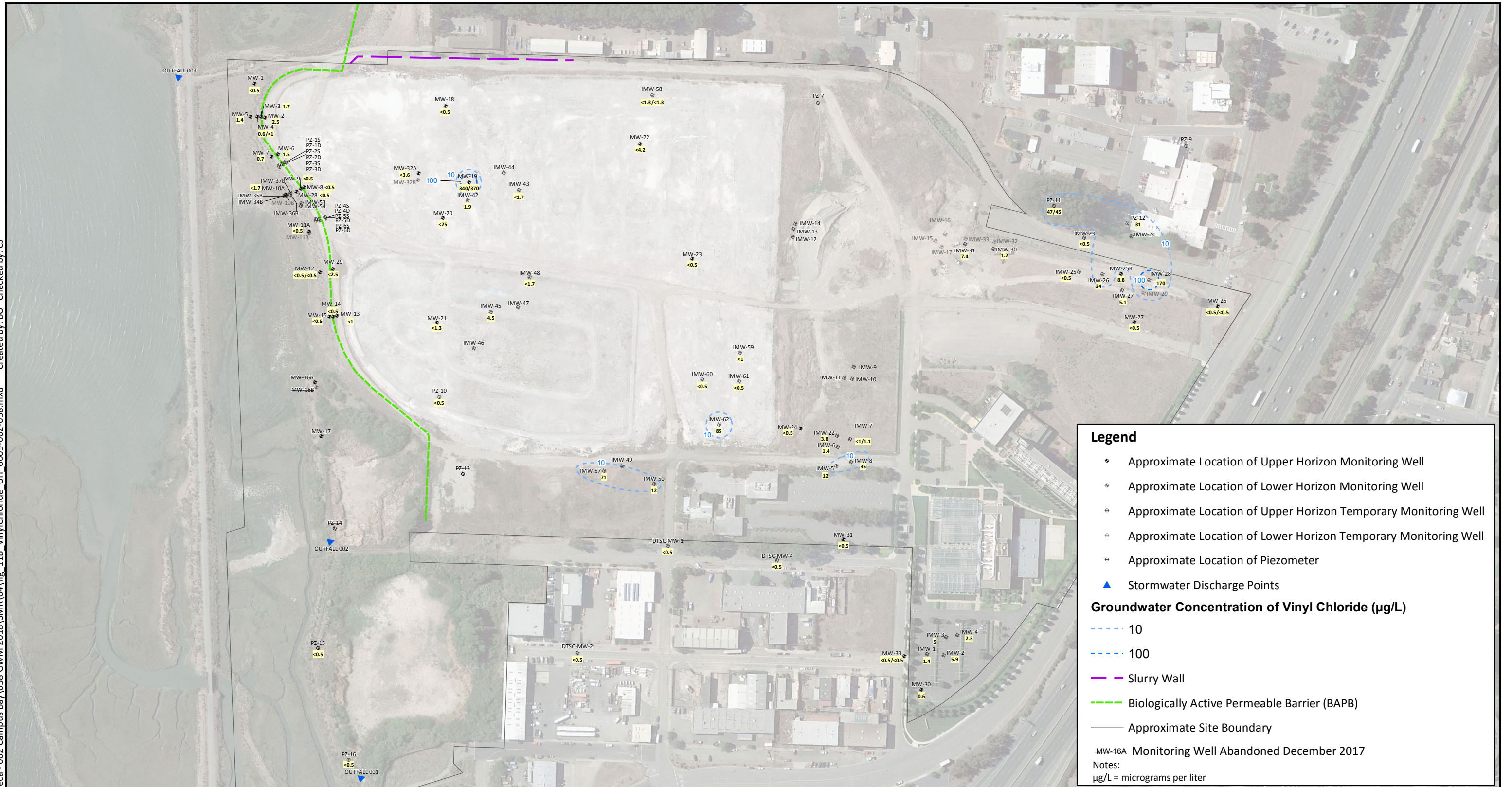


CLIENT:	Zenecca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.038B

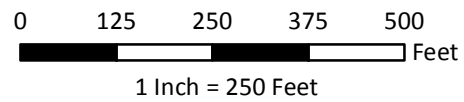
**Concentration of Trichloroethene
in Lower Horizon Groundwater
April 2018**

FIGURE 10

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\038 GWM 2018\SMP\04\fig_11B_VinylChloride_UH_0009-002-038.mxd Created by: BO Checked by: CJ



Aerial imagery captured on 10/1/2009 (Google, 2010)



SAFETY FIRST

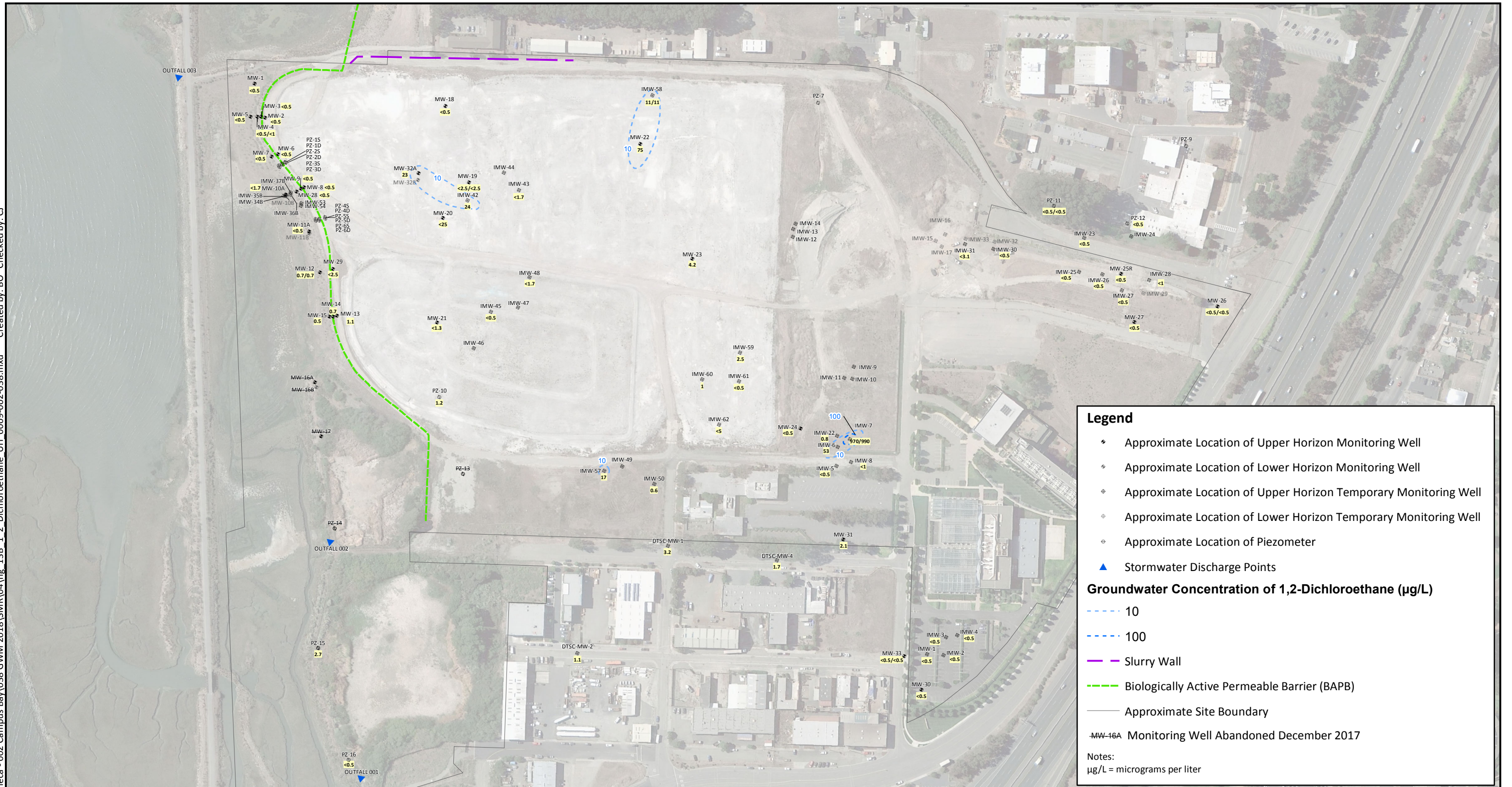


CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.038B

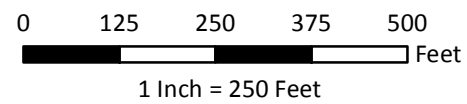
**Concentration of Vinyl Chloride
in Upper Horizon Groundwater
April 2018**

FIGURE 11

File: K:\GIS\Proj\0009 Zeneca - 002 Campus Bay\038 GMM 2018\SMR\04\Fig_13B_1_2 Dichloroethane_UH_0009-002-038.mxd Created by: BO Checked by: CJ



Aerial imagery captured on 10/1/2009 (Google, 2010)



SAFETY FIRST

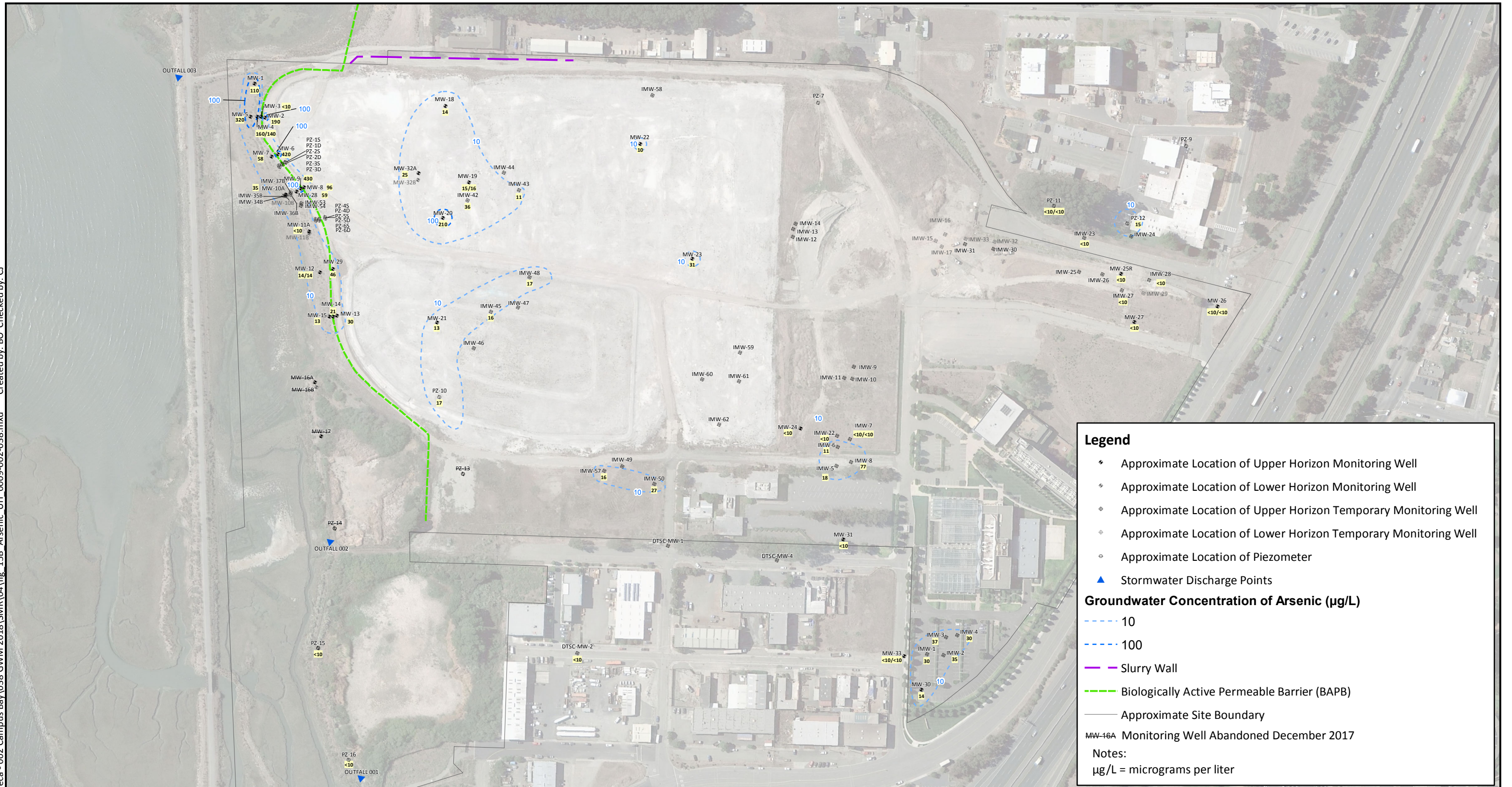


CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.038B

**Concentration of 1,2-Dichloroethane
in Upper Horizon Groundwater
April 2018**

FIGURE 13

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\038 GWM 2018\SMR\04\fig_15B_Arsenic_UH_0009-002-038.mxd Created by: BO Checked by: CJ



Legend

- ◆ Approximate Location of Upper Horizon Monitoring Well
- Approximate Location of Lower Horizon Monitoring Well
- ⊕ Approximate Location of Upper Horizon Temporary Monitoring Well
- ⊖ Approximate Location of Lower Horizon Temporary Monitoring Well
- ⊖ Approximate Location of Piezometer
- ▲ Stormwater Discharge Points

Groundwater Concentration of Arsenic (µg/L)

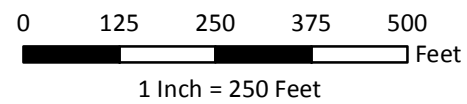
- - - 10
- - - 100

- Slurry Wall
- Biologically Active Permeable Barrier (BAPB)
- Approximate Site Boundary

MW-16A Monitoring Well Abandoned December 2017

Notes:
µg/L = micrograms per liter

Aerial imagery captured on 10/1/2009 (Google, 2010)



SAFETY FIRST

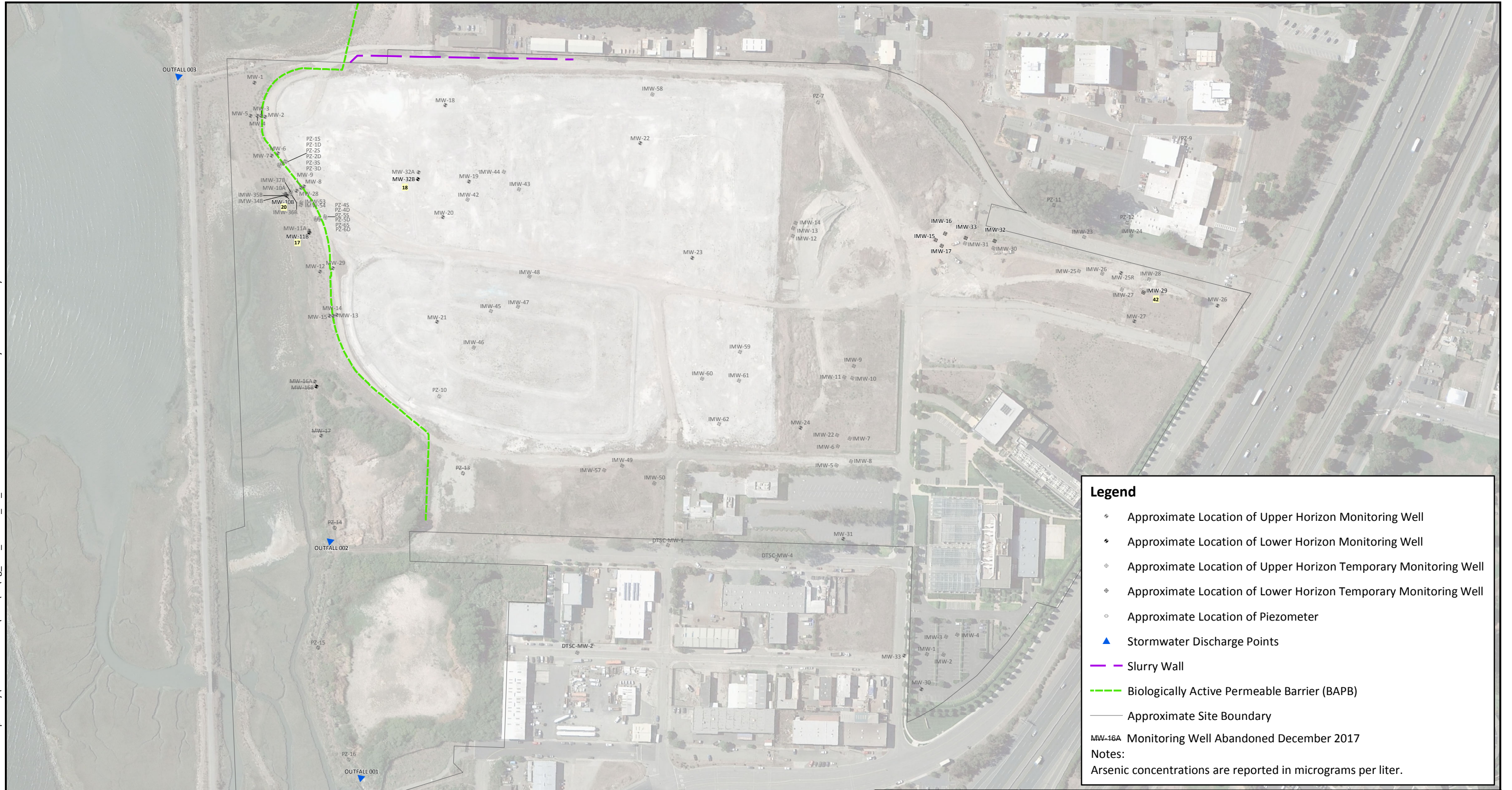


CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.038B

**Concentration of Arsenic
in Upper Horizon Groundwater
April 2018**

FIGURE 15

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\038 GWM 2018\SMR\04\fig_16B_Arsenic_LH_0009-002-038.mxd Created by: BO Checked by: CJ

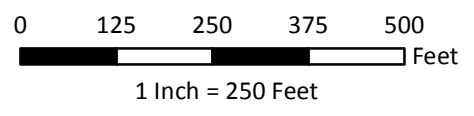


Legend

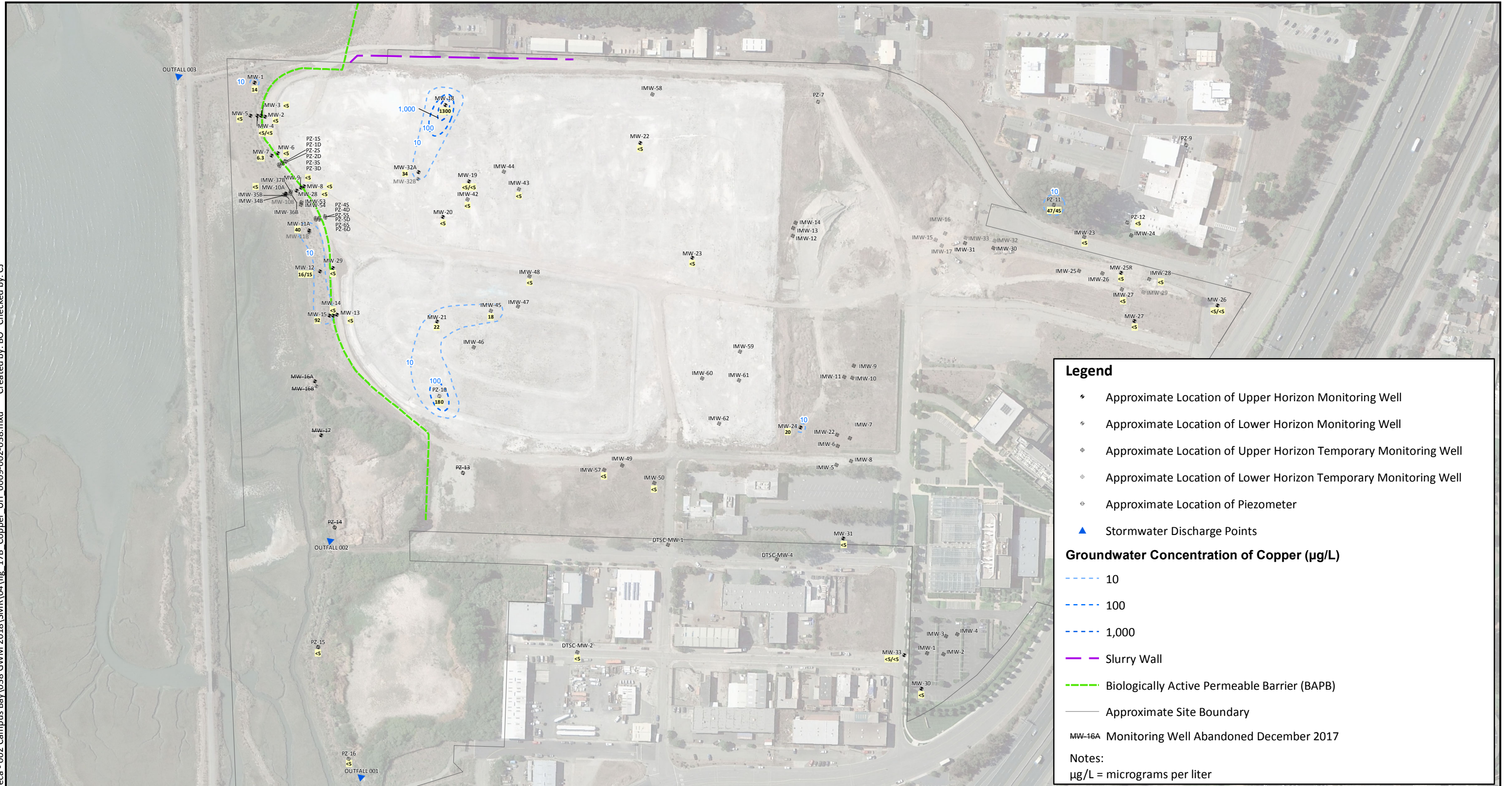
- ◆ Approximate Location of Upper Horizon Monitoring Well
- ◆ Approximate Location of Lower Horizon Monitoring Well
- ◆ Approximate Location of Upper Horizon Temporary Monitoring Well
- ◆ Approximate Location of Lower Horizon Temporary Monitoring Well
- Approximate Location of Piezometer
- ▲ Stormwater Discharge Points
- Slurry Wall
- Biologically Active Permeable Barrier (BAPB)
- Approximate Site Boundary

MW-16A Monitoring Well Abandoned December 2017
 Notes:
 Arsenic concentrations are reported in micrograms per liter.

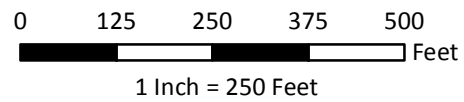
Aerial imagery captured on 10/1/2009 (Google, 2010)



	CLIENT:	Zeneca, Inc.	Concentration of Arsenic in Lower Horizon Groundwater April 2018
	PROJECT:	Campus Bay Richmond, CA	
	PROJECT NUMBER:	0009.002.038B	FIGURE 16



Aerial imagery captured on 10/1/2009 (Google, 2010)



SAFETY FIRST

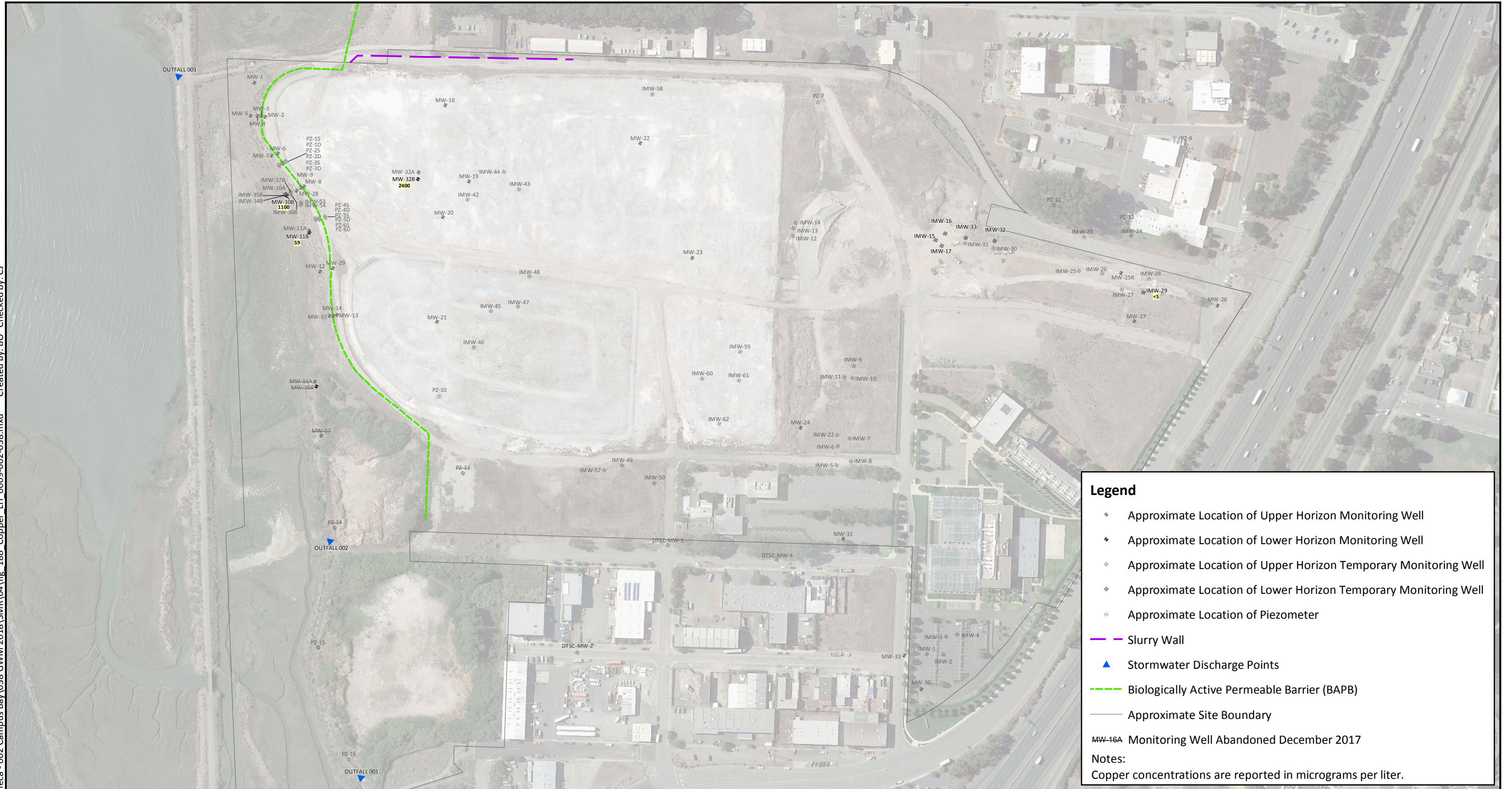


CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.038B

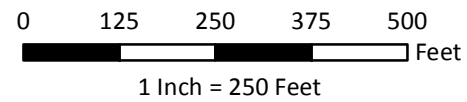
**Concentration of Copper
in Upper Horizon Groundwater
April 2018**

FIGURE 17

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\038 GWM 2018\SMR\04\fig_18B_Copper_LH_0009-002-038.mxd Created by: BO Checked by: CJ



Aerial imagery captured on 10/1/2009 (Google, 2010)



SAFETY FIRST

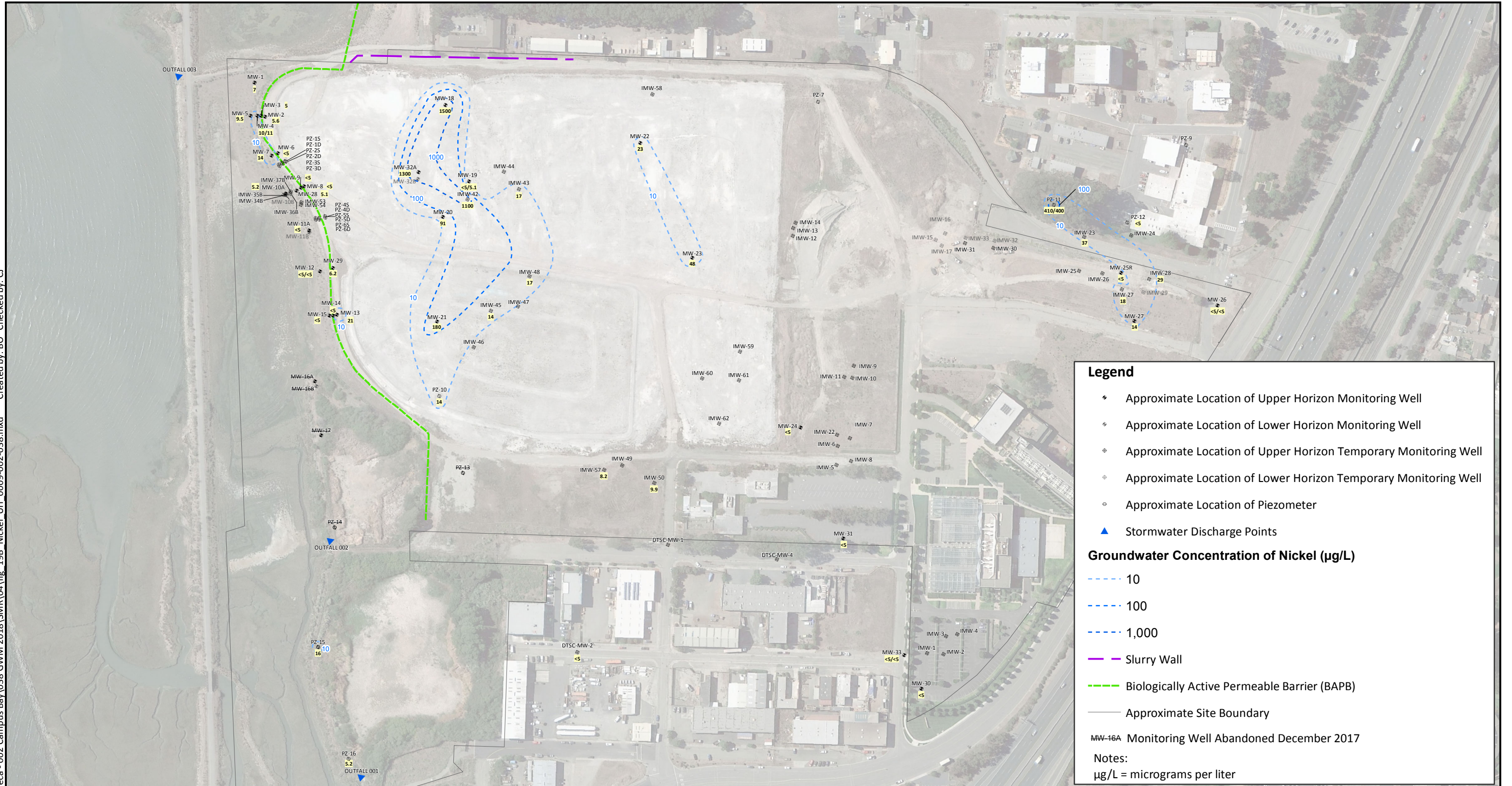


CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.038B

**Concentration of Copper
in Lower Horizon Groundwater
April 2018**

FIGURE 18

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\038 GWM 2018\SMP\04\fig_19B_Nickel_UH_0009-002-038.mxd Created by: BO Checked by: CI



Legend

- ◆ Approximate Location of Upper Horizon Monitoring Well
- Approximate Location of Lower Horizon Monitoring Well
- ◆ Approximate Location of Upper Horizon Temporary Monitoring Well
- Approximate Location of Lower Horizon Temporary Monitoring Well
- Approximate Location of Piezometer
- ▲ Stormwater Discharge Points

Groundwater Concentration of Nickel (µg/L)

- 10
- 100
- 1,000

— Slurry Wall

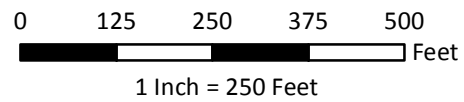
--- Biologically Active Permeable Barrier (BAPB)

— Approximate Site Boundary

MW-16A Monitoring Well Abandoned December 2017

Notes:
µg/L = micrograms per liter

Aerial imagery captured on 10/1/2009 (Google, 2010)



SAFETY FIRST

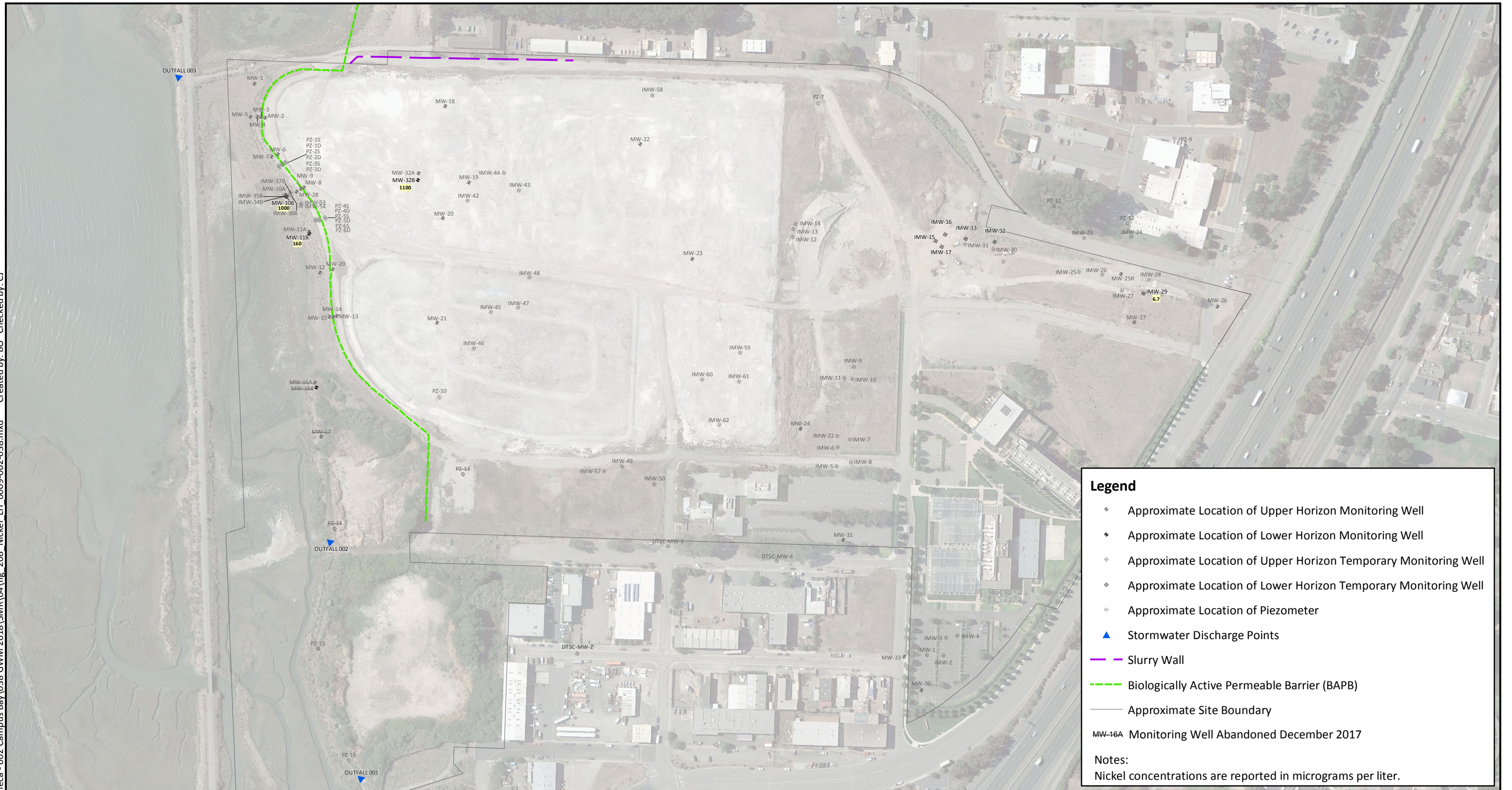


CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.038B

**Concentration of Nickel
in Upper Horizon Groundwater
April 2018**

FIGURE 19

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\038 GWM 2018\SMR\04\fig_20B_Nickel_LH_0009-002-038.mxd Created by: BO Checked by: CJ



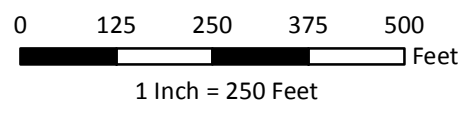
Legend

- ◆ Approximate Location of Upper Horizon Monitoring Well
- ◆ Approximate Location of Lower Horizon Monitoring Well
- ◆ Approximate Location of Upper Horizon Temporary Monitoring Well
- ◆ Approximate Location of Lower Horizon Temporary Monitoring Well
- Approximate Location of Piezometer
- ▲ Stormwater Discharge Points
- Slurry Wall
- Biologically Active Permeable Barrier (BAPB)
- Approximate Site Boundary

MW-16A Monitoring Well Abandoned December 2017

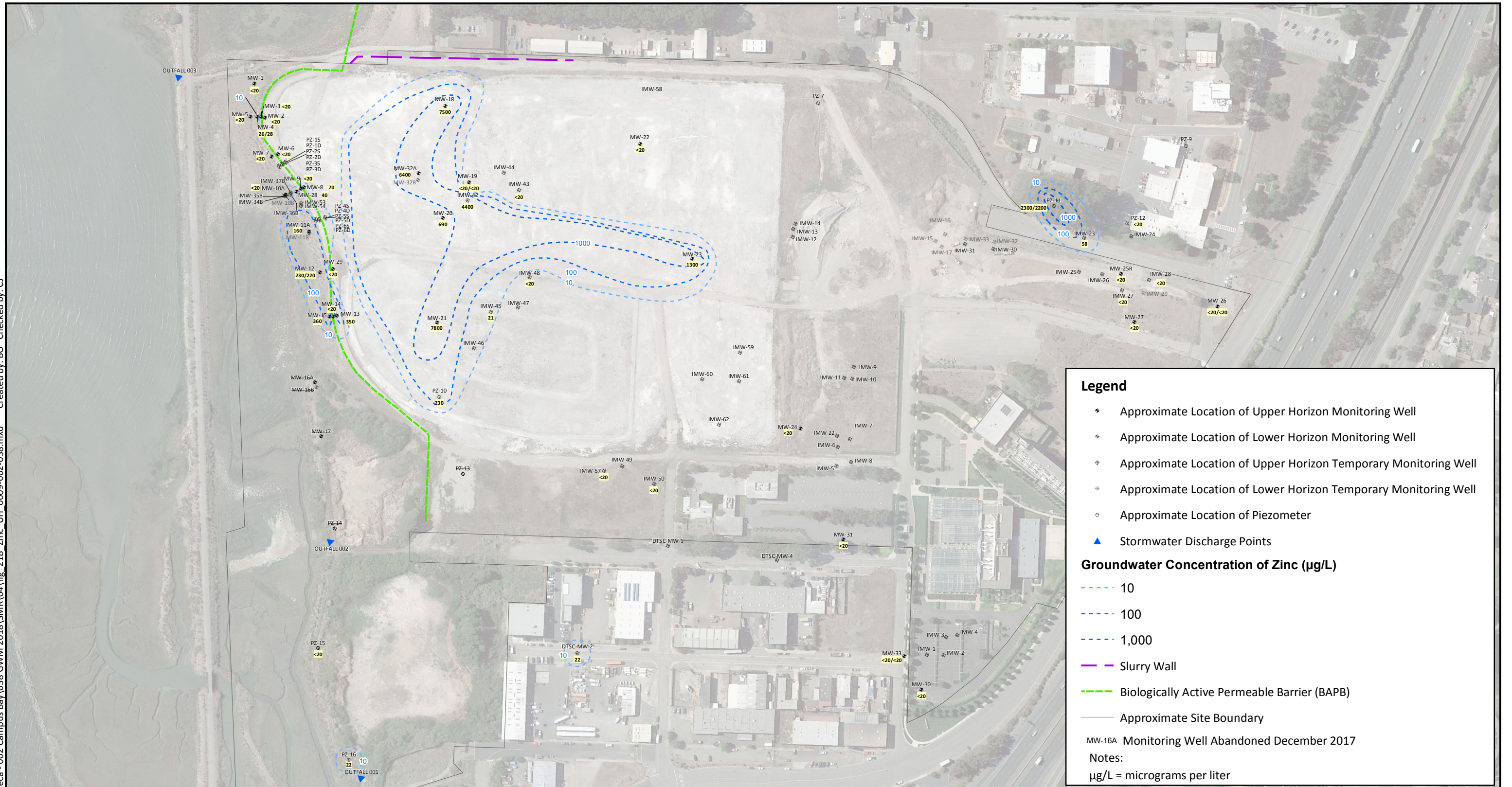
Notes:
Nickel concentrations are reported in micrograms per liter.

Aerial imagery captured on 10/1/2009 (Google, 2010)



	CLIENT:	Zeneca, Inc.	Concentration of Nickel in Lower Horizon Groundwater April 2018
	PROJECT:	Campus Bay Richmond, CA	
	PROJECT NUMBER:	0009.002.038B	FIGURE 20

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\038 GWM 2018\SMR\04\fig_21B_Zinc_UH_0009-002-038.mxd Created by: BO Checked by: CJ



Legend

- ◆ Approximate Location of Upper Horizon Monitoring Well
- ◆ Approximate Location of Lower Horizon Monitoring Well
- ◆ Approximate Location of Upper Horizon Temporary Monitoring Well
- ◆ Approximate Location of Lower Horizon Temporary Monitoring Well
- ◆ Approximate Location of Piezometer
- ▲ Stormwater Discharge Points

Groundwater Concentration of Zinc (µg/L)

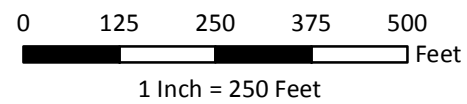
- - - 10
- - - 100
- - - 1,000

- Slurry Wall
- - - Biologically Active Permeable Barrier (BAPB)
- Approximate Site Boundary

MW-16A Monitoring Well Abandoned December 2017

Notes:
µg/L = micrograms per liter

Aerial imagery captured on 10/1/2009 (Google, 2010)



SAFETY FIRST



CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.038B

**Concentration of Zinc
in Upper Horizon Groundwater
April 2018**

FIGURE 21

