May 21, 2018

Ms. Lynn Nakashima
Project Manager
Department of Toxic Substances Control
700 Heinz Avenue, Suite 200
Berkeley, California

Sent via: email

Subject: Response to Department of Toxic Substances Control's Comments Regarding the "Annual Groundwater and Surface Water Monitoring Report, January 1 Through December 31, 2017, Campus Bay, Richmond California"

Dear Ms. Nakashima:

Terraphase Engineering Inc. (Terraphase) has prepared this letter on behalf of Zeneca Inc., to respond to the comments provided by the California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) in its March 22, 2018 letter regarding the January 31, 2018 "Annual Groundwater and Surface Water Monitoring Report, January 1 Through December 31, 2017, Campus Bay, Richmond, California" ("the Annual Report"). The DTSC comments are provided below followed by the response to each comment. The Annual Report has been revised in accordance with the responses provided below and is included as an enclosure with this letter.

Response to DTSC March 22, 2018 Comment Letter

DTSC Comment #1

"Appendix C - Trend Graphs: Beginning on page 156 of the pdf:

a. Vinyl chloride is on the page title; however, the individual graphs indicate the data represents EPTC concentrations. Revise the page title or graph title.

b. Many graphs contain only groundwater elevations and no chemical concentrations or reporting limits. Explain why these graphs are found in this appendix or add the appropriate data.

c. It appears that graphs are missing the April 2017 data point. Revise the graphs to include this information."

Response

Appendix C – Trend Graphs has been revised as follows:

a. The page title has been revised to "EPTC – Trend Graphs" in accordance with this comment.

b. For graphs where only groundwater elevation is shown, the well is not routinely analyzed for the associated analyte. The trend graphs where wells are not routinely analyzed for the analytes have been removed from Appendix C.
c. The trend graphs have been revised to include the April 2017 data.

DTSC Comment #2

"Appendix D (Laboratory Reports) and Appendix E (QA/QC Data Evaluation): Many of the laboratory cooler receipt checklists from October 2017 indicate that the VOA samples received contained bubbles, NaOH was added to increase pH, HCL was added to decrease pH, or the chain-of-custody was not consistent with the samples received by the laboratory. While the QA/QC data evaluation noted these observations, it did not specify why the data was not qualified. For example, if two out of three VOAs contained bubbles, was only the third VOA used by the laboratory for the analysis. The data validation report should be revised to discuss why the data has not been qualified. In addition, explain why the laboratory needed to add NaOH or HCL to the sample containers, including for trip blanks and why this did not impact the data quality. Include which sample containers required the additional preservative and for which analysis (e.g., poly container for ferrous iron analysis). It appears that the incorrect sampling date of "10/9/2017" instead of 11/9/2017 was identified on the Data Validation Report for Lab Reference Number 294264. Correct the form. Finally, identify any corrective measures that will be instituted prior to the next groundwater sampling event."

Response

Section 6.5 of the Annual Report and the Data Validation Reports in Appendix E have been revised to include further discussion of the laboratory comments noted on the cooler receipt checklists. Regarding the bubbles in the VOA vials, three VOA vials per sample are submitted to the laboratory. If one or more of the vials arrives at the laboratory with bubbles, a vial with bubbles is used for screening and a vial without bubbles is used for analysis. During the Reporting Period, there was no instance in which all three sample vials containing groundwater collected from a monitoring well had bubbles. However, two laboratory-prepared trip blanks had bubbles in all three vials. It is the laboratory's professional opinion that the presence of bubbles in the VOA vials does not significantly affect the integrity of the sample and therefore, data qualifiers were not applied to the two trip blank samples where all 3 vials contained bubbles.

Regarding the addition of preservative, the preservative was added to the sample bottles as follows:

- The bottles for samples to be analyzed for ferrous iron are pre-preserved by the laboratory with hydrochloric acid (HCl) and additional preservative was added upon receipt at the laboratory to a total of fifty-one samples, as noted on the cooler receipt checklists.
- The bottles for samples to be analyzed for dissolved sulfides are pre-preserved by the laboratory with sodium hydroxide (NaOH) and additional preservative was added upon receipt at the laboratory to thirty-one samples, as noted on the cooler receipt checklists.
- The bottles for samples to be analyzed for dissolved metals are pre-preserved by the laboratory with nitric acid (HNO_3) and additional preservative was added upon receipt at the laboratory to two samples, as noted on the cooler receipt checklists.

The discussion added to Section 6.5 and the Data Validation Reports identifies the specific samples that required additional preservative and the rational for why the data was not qualified in these instances. In general, due to the short time between sample collection and pH adjustment at the laboratory, laboratory representatives determined that it is unlikely any of the sample results were negatively impacted. Therefore, qualifiers were not applied by neither Terraphase nor the laboratory on the ferrous iron, dissolved sulfides or metals data where pH adjustments were conducted.

The sample collection date on the *Data Validation Report for Lab Reference Number 294264* has been corrected in Appendix E.

Regarding corrective measures for the April 2018 groundwater sampling event, the laboratory-provided sample bottles were double checked to verify they contained a sufficient dose of the respective chemical preservatives (HCl, NaOH, and HNO_3) to achieve the correct pH range upon receipt at the laboratory. For tripblank samples, VOA vials received from the laboratory that contained bubbles were discarded by Terraphase field personnel and not used as tripblanks that accompany samples in the field. Field personnel were careful to use collection methods in the field when filling the VOA vials with groundwater that reduces the presence of bubbles in the sample containers. To the extent feasible, VOA vials without bubbles were submitted for analysis during the April 2018 sampling event. Upon review of the laboratory cooler receipt checklists for the April 2018 groundwater sampling event, there were no bubbles greater than 6 millimeters in diameter reported in the VOA vials associated with the samples collected and only one bottle for the sampling event required a pH adjustment. In this regard, one sample collected from well MW-40 submitted for analysis of dissolved metals required additional HNO_3 preservative to be added. This sample was collected from a well located in the BAPB. Because the BAPB has calcium carbonate as part of the wall construction, the calcium carbonate can occasionally buffer the pH in the groundwater samples.

Terraphase has revised the Annual Report in accordance with the comment responses discussed in this letter. One hard copy of the Revised Annual Report is enclosed along with an electronic copy provided on CD. If you have any questions with regard to the response to the DTSC comments discussed in this letter, please do not hesitate to give me a call at (510) 326-1473.

Sincerely,

For Terraphase Engineering Inc.

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

Enclosure

CC:
Mr. Charles Elmendorf – Zeneca, Inc.
Mr. Bill Marsh, Esq. - Edgcomb Law Group
Mr. Karl Hans – University of California
Ms. Jenifer Beatty – Arcadis-U.S., Inc.
Mr. Klaus Rohwer – Equipoise Corporation

ANNUAL GROUNDWATER AND SURFACE WATER MONITORING REPORT
JANUARY 1 THROUGH DECEMBER 31, 2017
CAMPUS BAY, RICHMOND, CALIFORNIA

Prepared for

Zeneca Inc.

Prepared by

Terraphase Engineering Inc.
1404 Franklin Street, Suite 600
Oakland, California

January 31, 2018; Revised May 21, 2018

Project Number 0009.002.032

terraphase engineering

THIS PAGE LEFT INTENTIONALLY BLANK

CONTENTS

APPENDICES (on CD)

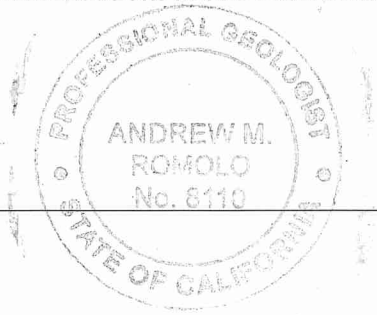
ACRONYMS AND ABBREVIATIONS

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
CCB	Closing Calibration Blank
CCV	Continuing Calibration Verification
cis-1,2-DCE	cis-1,2-dichloroethene
CSV	Cherokee Simeon Venture I, LLC
CT	carbon tetrachloride
DTSC	Department of Toxic Substances Control
EPTC	S-Ethyl dipropylthiocarbamate
ERD	enhanced reductive dechlorination
ESM	East Stege Marsh
FS/RAP	Feasibility Study/Remedial Action Plan
ft/ft	foot per foot
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
NGVD	National Geodetic Vertical Datum
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
RPD	Relative Percent Difference
Site	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.



May 21, 2018

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

Date

THIS PAGE LEFT INTENTIONALLY BLANK

1.0 INTRODUCTION

Terraphase Engineering Inc. (Terraphase) has prepared this Annual Groundwater and Surface Water Monitoring Report (AMR) on behalf of Zeneca Inc. for 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 AMR 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.

This AMR presents the data from groundwater and surface water samples collected from January 1 to December 31, 2017 ("the Reporting Period") and provides the historical chemical concentration data and data trends (Appendix B and Appendix C, respectively) from January 2003 through December 2017. 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 AMR 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 Semi-Annual Groundwater and Surface Water Monitoring Report (SMR; Terraphase 2017a).

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 49th Street Richmond, California 94804

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 3, 2017 through April 14, 2017 and from October 2, 2017 through October 17, 2017. 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 from two outfalls in January (Outfall 002 and Outfall 003), all three outfalls in February, one outfall in March (Outfall 002), one outfall in April (Outfall 002), and one outfall in November (Outfall 002).

- Inspection and maintenance of the temporary cap was completed by Arcadis U.S. Inc. (Arcadis) during the first half of 2017 (January through June 2017). The results of the cap inspections during the first half of 2017 were presented in a separate report submitted to the DTSC on August 1, 2017 that discusses observations and associated maintenance activities such as weeding and cap repairs.

- Inspection and maintenance of the temporary cap was completed by Arcadis during the second half of 2017 (July through December 2017). The results of the cap inspections during the second half of 2017 will be presented in the Temporary Cap Inspection Summary Report scheduled to be submitted under separate cover by February 1, 2018.

- 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 and October 2017. 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	• Annual Groundwater Monitoring and Sampling. • Feasibility Study/Remedial Action Plan (FS/RAP).
Number of wells Monitored/Sampled	In April and October 2017, depth-to-water measurements were collected from 98 monitoring wells and piezometers. Groundwater samples were collected from 89 monitoring wells and piezometers. 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.
Frequency of Monitoring/Sampling	Semi-annual
Groundwater Elevation Range	Groundwater elevation at the Site ranged from 3.49 to 15.33 feet above mean sea level (AMSL) National Geodetic Vertical Datum (NGVD) during the April 2017 sampling event. Groundwater elevation at the Site ranged from 1.15 to 11.25 feet AMSL NGVD during the October 2017 sampling event. Table 2 provides current and historical depth to groundwater and groundwater elevation data for the Site.
Groundwater Horizons	Two water bearing units have been identified at the Site (Woodward 1993): the upper horizon (UH; defined as groundwater shallower than 25 feet below ground surface [bgs]) and the lower horizon (LH; defined as groundwater deeper than 25 feet bgs).
Groundwater Gradient and Flow Direction	**Upper Horizon Groundwater** In April 2017, the hydraulic gradient between wells MW-26 and MW-29 was calculated as 0.0032 foot per foot (ft/ft) and the groundwater flow direction was generally to the south. In October 2017, the hydraulic gradient between wells MW-26 and MW-29 was calculated as 0.0035 foot per foot (ft/ft) and the groundwater flow direction was generally to the south.

	Lower Horizon Groundwater In April 2017, 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. In October 2017, the hydraulic gradient between wells IMW-29 and MW-10B was calculated as 0.0035 ft/ft and the groundwater flow direction was generally to the south. The flow directions and gradients observed during the Reporting Period are generally consistent with the measurements collected during previous reporting periods. Groundwater elevation contour maps from April 2017 for upper horizon and lower horizon groundwater are provided on Figures 3A and 4A, respectively. Groundwater elevation contour maps from October 2017 for upper horizon and lower horizon groundwater are provided in Figures 3B and 4B, respectively. Groundwater flow is variable due to tidal influences. Tide data is included in Appendix A, Attachment A-2 for April 3, 2017 and October 2, 2017, the dates on which depth to groundwater measurements were collected.
Upper Horizon/Lower Horizon Vertical Gradient	In April 2017, 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 and MW-11A/11B) and upward at two locations (well pairs MW-16A/16B, and MW-32A/32B). In October 2017, 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 and MW-32A/32B) and upward at two locations (well pairs MW-11A/11B and MW-16A/16B). 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.
Field Measurements	The field measurements recorded during the collection of groundwater samples during the Reporting Period are included in Table 6. Water quality parameters, including pH, 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 5A, 5B, 6A, and 6B.
Analytical Results	Tables 3 through 6 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 Risk Assessment (HHRA) prepared by Erler & Kalinowski, Inc. (EKI 2008) and the revised SSGs for trichloroethene (TCE; Terraphase 2012; Terraphase 2017b). For reference, the applicable screening criteria presented in Table 7 are also included at the end of Tables 3, 4, 5, and 8. Isoconcentration maps for the reporting period are presented in Figures 7A, 7B, 9A, 9B, 11A, 11B, 13A, 13B, 15A, 15B, 17A, 17B, 19A, 19B, 21A and 21B, 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 8A, 8B, 10A, 10B, 12A, 12B, 14A, 14B, 16A, 16B, 18A, 18B, 20A, 20B, 22A and 22B respectively. 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.
Changes in Site Conditions	No significant changes in Site conditions were noted relative to the conditions reported in the 2017 SMR (Terraphase 2017a). A few wells showed concentration increases relative to the previous monitoring event (April 2017) as noted in Sections 3.1 and 3.2. These trends will continue to be monitored.

3.1 Volatile Organic Compounds

The following table presents a summary of the wells that exceeded the screening criteria for volatile organic compounds (VOCs) 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 (the screening criteria are summarized in Table 7). In general, a review of the data indicates that where enhanced reductive dechlorination (ERD) has been pilot tested, concentrations of cis-1,2-dichlorothene (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 will be addressed if the recommended remedy proposed in the Draft FS/RAP is implemented.

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								
MW-27	UH	cis-1,2-DCE					**X_o**	Fluctuates Seasonally; overall decreasing trend since increase in concentration in October 2015.
		TCE					**X**	Generally decreasing; detection above the residential SSG in October 2015. Detections below the residential SSG in April of 2015 and since April 2016.
		VC	**X_o**	**X_o**			**X**	Fluctuates seasonally; appeared in October 2015
Lot 1-2 ERD Pilot Study Area (pilot study implemented in Oct – Nov 2006)								
IMW-1	UH	VC	**X**				**X**	Generally decreasing since October 2012
IMW-2	UH	VC	**X**	**X**			**X**	General decrease August 2009 until April 2013; General increase since April 2013
IMW-3	UH	VC	**X**				**X**	Generally decreasing since November 2010
IMW-4	UH	VC	**X**	**X**			**X**	Fluctuates seasonally; decreasing trend August 2008 to April 2014, increasing trend 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
Lot 1-5 & MW-25 ERD Pilot Study Area (implemented November – December 2009)								
IMW-15	LH	cis-1,2-DCE					**X**	Generally decreasing since April 2014
		VC					**X**	Generally increasing since October 2013
IMW-16	LH	cis-1,2-DCE					**X**	Increase May 2010 to May 2013; stable since May 2013.
		TCE					**X_A**	Generally decreasing since October 2009
		VC					**X**	Generally increasing since August 2010.
IMW-17	LH	cis-1,2-DCE					**X**	Increase from February 2010 to October 2015. Decreasing trend relative to previous concentrations since October 2015
		VC					**X**	Generally increasing since April 2014
IMW-23	UH	TCE					**X_o**	Fluctuates; overall decreasing since February 2010
IMW-26	UH	TCE					**X_A**	Generally decreasing since October 2009 with a slight increase in April 2017. First detection above drinking water standard since April 2012.
		VC	**X**	**X**			**X**	Fluctuates; overall increasing since April 2013
IMW-27	UH	cis-1,2-DCE					**X**	Fluctuates seasonally, but generally increasing since August 2010
		PCE	**X**	**X_o**	**X**		**X**	Fluctuates seasonally, but generally increasing April 2012

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
								to October 2014; generally decreasing since October 2014
		TCE	X_o				X	Fluctuates, but overall decreasing since May 2010
		VC	X	X			X	Fluctuates seasonally; overall increasing trend since April 2014
IMW-28	UH	cis-1,2-DCE					X	Fluctuates seasonally; Generally decreasing since November 2010
		PCE			X_o		X	Generally stable from January 2013 to April 2015; Seasonal fluctuations beginning in 2015
		TCE	X	X_o	X_o		X	Fluctuates seasonally; generally decreasing since October 2015
		VC	X	X			X	Fluctuates; generally increasing since November 2010
IMW-29	LH	cis-1,2-DCE					X	Slight increasing trend since April 2015
		trans-1,2-DCE					X	Increasing in October 2014 relative to previous year; concentrations stable since 2014
		TCE					X	Decreasing since October 2009
		VC					X	Increasing from August 2010 to April 2014; decreasing April 2014 to October 2015; increasing October 2015 to October 2016; decrease relative to concentration in October 2016
IMW-30	UH	cis-1,2-DCE					X	Generally decreasing since October 2012
		VC	X_o				X_o	First exceedance of the reporting limit since April 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
IMW-31	UH	cis-1,2-DCE					**X**	Fluctuates, but overall increasing from October 2012 to October 2015; Decreasing trend relative to previous concentrations since October 2015
		VC	**X**	**X**			**X**	Increasing since April 2013
IMW-33	LH	cis-1,2-DCE					**X**	Fluctuates, but overall increasing since October 2012; Decreasing trend relative to previous concentrations since October 2015
		VC					**X**	Fluctuates seasonally, overall increasing trend since October 2013
MW-25R	UH	cis-1,2-DCE					**X**	Fluctuates; overall decreasing since October 2015
		PCE	**X**	**X_o**	**X**		**X**	Fluctuates; General increase April 2012 to April 2015; General decrease since April 2015
		TCE	**X_o**				**X**	Fluctuates, but overall decreasing since October 2009
		VC	**X_o**	**X_o**			**X_o**	Fluctuates seasonally; overall decreasing since October 2015
MW-27		VC	**X**	**X**			**X**	Fluctuates seasonally; overall increasing since April 2015
MW-30	UH	TCE					**X**	Slight increasing trend since October 2014
		VC					**X**	Results were less than the reporting limit from installation in 2006 until April 2015; minor increases April 2015 to October 2017
PZ-11	UH	cis-1,2-DCE					**X_o**	Increasing from May 2011 to October 2014; overall decreasing since October 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
		trans-1,2-DCE					X_o	Generally decreasing since October 2013
		TCE					X	Decreasing since October 2009
		VC	X_o	X_o			X_o	Fluctuates seasonally; increasing since October 2013
PZ-12	UH	VC	X	X			X	Fluctuates; generally increasing trend since April 2011
Lot 2								
Lot 2-27 ERD Pilot Study Area (pilot study implemented November 2006)								
IMW-22	UH	1,2-DCA					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					X	Generally increasing from 2006 to 2013; Fluctuates but general decrease since October 2013.
		VC	X	X			X	Fluctuates, but overall increasing from April 2011 to October 2014; decreasing trend since October 2014.
IMW-5	UH	cis-1,2-DCE					X	Slight increasing trend since October 2015.
		VC	X	X			X	Increasing trend since October 2015.
IMW-6	UH	1,2-DCA	X_A				X	Generally decreasing trend August 2008 to April 2014; General increasing trend since October 2014 but levels remain below the August 2008 levels and appear stable since October 2015

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
		cis-1,2-DCE					**X**	Overall decrease from 2007; Increase from April 2013 to April 2014, followed by a decreasing trend; stable since April 2015
		VC					**X_A**	Generally decreasing since April 2014
IMW-7	UH	1,2-DCA	**X***				**X**	Overall decreasing since September 2006; increase in October 2017 relative to October 2016
		VC					**X_A**	Decreasing from March 2007 to October 2015; stable since October 2015
IMW-8	UH	cis-1,2-DCE					**X**	Concentrations stable from August 2008 to October 2013; stable since October 2014
		TCE					**X_A**	Stable since April 2012
		VC	**X**	**X**			**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					**X**	Overall decreasing trend since November 2008
		TCE					**X**	Decreasing trend from April 2006 to October 2010; generally stable since October 2010
Lot 3								
MW-2	UH	VC	**X_A**					Increasing since April 2015

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-6	UH	VC	X_o					Slight increasing trend from April 2013 to October 2014; stable since October 2014
MW-13	UH	PCE	X_o	X_o	X			Fluctuates; generally decreasing since 2003
		TCE	X_o					Fluctuates; generally increasing since April 2013
MW-14	UH	VC	X_o					Fluctuates seasonally; generally decreasing since October 2015
MW-16A	UH	PCE	X_o		X_o			Fluctuates seasonally; generally stable since October 2013
MW-18	UH	PCE	X		X			Fluctuates but generally increasing since July 2003
MW-22	UH	TCE	X	X				Fluctuates but generally decreasing since August 2009
		VC	X	X				Fluctuates; overall decreasing since 2003
MW-29	UH	PCE	X_o		X_o			Increase from April 2013 to October 2015, generally decreasing since October 2015
MW-19 ERD Pilot Study Area (Implemented January – February 2011)								
MW-19	UH	PCE	X_A	X_A*	X			Overall decreasing since July 2003
		VC	X	X	X_o			Increase from October 2011 to April 2013, generally decreasing since October 2013
MW-32A	UH	PCE	X	X	X			Fluctuates; increasing since April 2013
		TCE	X_o					Fluctuates; increasing since April 2013

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-42	UH	PCE	**X**	**X**	**X**			Fluctuates; General decrease since December 2011
		VC	**X_o**					Fluctuates; General decrease since June 2011
IMW-43	UH	VC	**X_o**					Generally increasing since April 2014
MW-21 ERD Pilot Study Area (implemented November – December 2010)								
MW-21	UH	PCE	**X**	**X**	**X**			Overall decreasing since 2003
IMW-45	UH	VC	**X**	**X_o**				Increase from October 2012 to October 2014; generally stable since October 2014
IMW-48	UH	PCE	**X**		**X**			Decreasing from October 2011 to April 2013, followed by an increasing trend since 2013
Lot 3 Subarea ERD Pilot Study Area (implemented January 2011)								
IMW-50	UH	VC	**X_A**	**X_A**				Decreasing since December 2011
IMW-57	UH	Benzene	**X**	**X**				Generally decreasing since June 2011
		VC	**X**	**X**				Generally increasing October 2013 to April 2015; decreasing since April 2015
Lot 3 Groundwater Investigation (Implemented April-May 2014)								
IMW-58	UH	CT	**X**	**X**	**X_o**			Fluctuates**
		VC	**X_o**					Fluctuates seasonally
IMW-59	UH	VC	**X_A**					Decreasing since October 2013
IMW-60	UH	PCE			**X_o**			Generally decreasing since October 2013
IMW-62	UH	PCE	**X**		**X**			Increasing since April 2014; decrease in October 2017 relative to October 2016
		TCE	**X_o**	**X_o**				Fluctuates seasonally; generally increasing 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
		VC	**X**	**X**				Fluctuates seasonally; overall decreasing since October 2013
DTSC Wells								
DTSC-MW-1	UH	TCE					**X**	Slight fluctuations; overall decreasing since 2010
		1,2-DCA					**X_o**	Fluctuates; overall decreasing since 2009
DTSC-MW-2	UH	TCE					**X**	Fluctuates; slight increasing trend since 2009
		1,2-DCA					**X**	Fluctuates; increase in October 2017 compared to April 2017
DTSC-MW-4	UH	TCE					**X**	Fluctuates but generally decreasing since August 2010
		1,2-DCA					**X**	Decreasing since February 2009
UC BGC BAPB Wells								
MW-41	UH	PCE			**X**			Fluctuates seasonally; generally stable since April 2015
MW-42	UH	PCE			**X**	**X**		Stable since installation in 2013
MW-43	UH	PCE			**X**	**X_o**		Fluctuates, slight increasing trend since October 2014

Table Notes:

X = exceedance during both April and October 2017 sampling events
X_A = exceedance during April 2017 sampling event
X_O = exceedance during October 2017 sampling event
BAPB = biologically active permeable barrier
trans-1,2-DCE = trans-1,2-dichloroethene
IMW = temporary monitoring well prefix
MW = monitoring well prefix
PZ = piezometer prefix

* = 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

3.2 Metals

The following table presents a summary of the wells that exceeded the screening criteria for metals, 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								
Lot 1-2 Pilot Study Area								
IMW-1	UH	Arsenic					**X**	Decreasing since January 2007
IMW-2	UH	Arsenic					**X**	Fluctuates, but overall decreasing since February 2009
IMW-3	UH	Arsenic					**X**	Fluctuates, but overall decreasing since August 2008
IMW-4	UH	Arsenic					**X**	Decreasing since May 2008
Lot 1-5 & MW-25 Pilot Study Area								
IMW-28	UH	Arsenic					**X_A**	Fluctuates; increase in April 2017 relative to October 2016
IMW-29	LH	Arsenic					**X**	Fluctuates; decreasing trend since April 2015
MW-30	UH	Arsenic					**X**	Overall decreasing trend since November 2006; slight increase in April and October

Well ID	Groundwater Horizon	Analyte	Residential SSG	Commercial/ Industrial SSG	Groundskeeper/ Maintenance Worker SSG	5x, 40x, or 160x Aquatic Criteria	Drinking Water Standard	Trend
								2017 relative to concentrations in 2016
PZ-11	UH	Arsenic					X_A*	Fluctuates
		Cadmium					X_A	April 2017 only detection since 2011**
		Nickel					X	Fluctuates; generally decreasing from May 2011 to April 2014, slight increasing trend from October 2014
PZ-12	UH	Arsenic					X	Fluctuates; generally decreasing since April 2016
Lot 2								
Lot 2-27 Pilot Study Area								
IMW-5	UH	Arsenic					X	Fluctuates, but overall decreasing since April 2011
IMW-6	UH	Arsenic					X	Fluctuates; increasing since October 2012
IMW-7	UH	Arsenic					X_A	Fluctuates; April 2017 first detection since October 2014
IMW-8	UH	Arsenic					X	Fluctuates, but increasing since May 2007
IMW-22	UH	Arsenic					X_A	Fluctuates; general decrease since January 2007
MW-24	UH	Arsenic					X_A	Fluctuates; general decrease since July 2003
Lot 3								
Upgradient of BAPB								

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-18	UH	Copper				X		Fluctuates; overall stable since April 2012
		Nickel				X		Fluctuates; increasing trend from April 2011 to April 2014; slightly decreasing since April 2014
		Zinc				X		Fluctuates; slightly decreasing since April 2014
MW-2	UH	Arsenic			X_o			Fluctuates; overall decreasing since April 2014
		Silver				X_o		First exceedance since monitoring began in 2005
MW-20	UH	Arsenic			X			Generally stable from 2005 to 2015. Increasing since October 2015.
PZ-10	UH	Copper				X_A		April 2016 and April 2017 are the only detections since installation in 2011
Immediately Upgradient of BAPB								
MW-6	UH	Arsenic			X	X		Fluctuates
		Silver				X_o		First exceedance; only one other detection in February 2008
MW-7	UH	Silver				X		Fluctuates
MW-8	UH	Silver				X_o		First exceedance since monitoring began in 2008
MW-15	UH	Copper				X_A		Fluctuates
		Zinc				X_A		Fluctuates
MW-13	UH	Cadmium				X_o		Fluctuates

Well ID	Groundwater Horizon	Analyte	Residential SSG	Commercial/ Industrial SSG	Groundskeeper/ Maintenance Worker SSG	5x, 40x, or 160x Aquatic Criteria	Drinking Water Standard	Trend
		Copper				**X_o**		Seasonal increase since October 2015
		Nickel				**X**		Fluctuates
		Silver				**X_o**		First detection since monitoring began in 2006
		Zinc				**X**		Non-detectable concentrations from 2010 to 2013, seasonally fluctuates since 2013
MW-29	UH	Silver				**X_o**		First exceedance since monitoring began in 2006
		Zinc				**X_o**		Fluctuates; overall decreasing since October 2015
Within BAPB								
MW-9	UH	Arsenic			**X**	**X**		Increase from January 2003 to November 2006, stable August 2006 to April 2015; decreasing trend since April 2015
MW-3	UH	Silver				**X**		Slight increasing trend since first detection in April 2016
Downgradient of BAPB								
MW-10A	UH	Arsenic			**X_A**			Fluctuates seasonally
		Nickel				**X**		Stable/non-detectable concentrations from 2011 to 2014, generally increasing since 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
		Silver				X_o		First exceedance since monitoring began in 2008
		Zinc				X		Stable from 2011 to October 2014; slight increasing trend since April 2015
MW-10B	LH	Copper				X		Fluctuates
		Nickel				X_A		Fluctuates; increasing since 2013
		Zinc				X_A		Fluctuates; increasing since 2013
MW-11A	UH	Copper				X		Fluctuates; overall decreasing trend since October 2006
		Silver				X_o		Fluctuates; first detection above reporting limit since December 2010
		Zinc				X_o		Fluctuates seasonally
MW-16A	UH	Arsenic			X	X		Generally stable February 2006 to October 2015; Seasonal fluctuations October 2015 to present
		Nickel				X_o		Stable February 2005 to May 2013; Seasonal fluctuations October 2013 to present
MW-17	UH	Arsenic			X	X_A		Fluctuates, but overall decreasing since October 2011. Increase in April 2017 relative to October 2016

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**		Not detected from August 2006 until 2015; overall increasing trend since April 2015
MW-28	UH	Zinc				**X_o**		Fluctuates; generally stable since April 2013
MW-4	UH	Arsenic			**X_o**	**X_o**		Increasing trend from May 2010 to October 2015; Seasonal fluctuations October 2015 to present
		Silver				**X_o**		First exceedance since monitoring began in 2008
MW-5	UH	Arsenic			**X**	**X**		Increasing since November 2007
		Silver				**X_o**		First exceedance since monitoring began in 2003
PZ-14	UH	Arsenic			**X**	**X**		Increasing from November 2009 to November 2013; decreasing trend since November 2013
		Silver				**X**		Not detected from May 2009 to October 2013; generally increasing since 2014
MW-19 Pilot Study Area								
MW-32A	UH	Nickel				**X**		Generally increasing since August 2008
		Zinc				**X**		Generally increasing since August 2008
MW-32B	LH	Copper				**X**		Increasing since August 2008; decrease in April and October

Well ID	Groundwater Horizon	Analyte	Residential SSG	Commercial/ Industrial SSG	Groundskeeper/ Maintenance Worker SSG	5x, 40x, or 160x Aquatic Criteria	Drinking Water Standard	Trend
								2017 relative to October 2016
		Nickel				**X**		Stable 2008 to October 2016; Decreasing since October 2016
		Zinc				**X**		Stable since 2008; decreasing since October 2015
IMW-42	UH	Nickel				**X**		Decreasing since 2011
IMW-43	UH	Zinc				**X_A**		Not detected from December 2011 to October 2016
MW-21 Pilot Study Area								
IMW-48	UH	Copper				**X_A**		Fluctuates; overall decreasing since March 2011
		Nickel				**X_A**		Fluctuates; decreasing since April 2016
		Zinc				**X_A**		Fluctuates; decreasing since April 2016
MW-21	UH	Zinc				**X_A**		Fluctuates; seasonal increase since April 2015
UC BGC BAPB Wells								
MW-34	UH	Nickel				**X**		Stable since installation in 2013
		Silver				**X_o**		Slight exceedance October 2017
MW-36	UH	Nickel				**X_o**		Fluctuates; overall decreasing since March 2011
		Silver				**X_o**		Slight exceedance October 2017
MW-40	UH	Silver				**X_o**		Slight exceedance October 2017
MW-41	UH	Silver				**X_o**		Slight exceedance 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
MW-42	UH	Nickel				**X**		Fluctuates; increasing trend from October 2013 to October 2015; stable since October 2015
		Silver				**X**		Slight exceedances April and October 2017
MW-43	UH	Silver				**X_o**		Slight exceedance October 2017
MW-44	UH	Silver				**X_o**		Slight exceedance October 2017
MW-45	UH	Silver				**X_o**		Slight exceedance October 2017
		Zinc				**X**		Stable since April 2014; slight decreasing trend since 2015
MW-46	UH	Silver				**X_o**		Slight exceedance October 2017

Table Notes:

X = exceedance during both April and October 2017 sampling events
X_A = exceedance during April 2017 sampling event
X_O = exceedance during October 2017 sampling event

* = 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

The following presents a summary of the wells that exceeded the screening criteria for pesticides (Table 5), 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. 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 3								
Downgradient of the BAPB								
PZ-14	UH	Pebulate				X_A		Fluctuates; generally decreasing since February 2010
MW-16A	UH	EPTC				X_O		Fluctuates; generally increasing since October 2012

Table Notes:

X = exceedance during both April and October 2017 sampling events

X_A = exceedance during April 2017 sampling event

X_O = exceedance during October 2017 sampling event

EPTC = S-Ethyl dipropylthiocarbamate

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 lagoon and Outfall 002 is located at the upper lagoon. 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). In 2017, surface water samples were collected from two outfalls in January, all three outfalls in February, one outfall in March, one outfall in April, and one outfall in November.
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 arsenic, copper, 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). Low pH (less than 3 standard units [SU]) was detected in two surface water samples collected during the Reporting Period, once from Outfall 002 and once from Outfall 003 in February and March 2017 respectively (Table 6). The pH in subsequent samples collected at Outfall 002 ranged from 6.8 to 7.9 SU. No subsequent samples were collected from Outfall 003 in 2017.

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

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 AMR as a well cluster[1]. Table 8 summarizes the data specifically for the BAPB monitoring well clusters.

Project Phase	BAPB Performance Monitoring
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 Indicator 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. The objective of the BAPB is to reduce concentrations of dissolved divalent metals in groundwater migrating through the BAPB by altering the geochemistry of the groundwater. Sulfate-reducing bacteria use organic carbon as a food source (electron donor) to create anaerobic conditions within the BAPB. The oxidation of the organic carbon by the sulfate-reducing bacteria is coupled with the reduction of sulfate to sulfide. The sulfides then react with dissolved iron and metals to create a low-solubility metal-iron-sulfide precipitate, thereby lowering the

[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.

dissolved metals concentrations in groundwater passing through the BAPB.

Organic carbon is supplied by leafy compost that is a major component of the BAPB. The BAPB was not specifically designed to reduce organic chemicals migrating in upper horizon groundwater, but organic chemicals may undergo reductive dehalogenation when they enter the reducing zone created by the BAPB.

In addition to measuring metals and VOC concentrations in groundwater, geochemical and biochemical indicator parameters are monitored in BAPB cluster wells to assist in evaluating the effectiveness of the BAPB in buffering groundwater and creating reducing conditions necessary for the precipitation of dissolved metals as groundwater migrates through the BAPB. These parameters, which include pH, oxidation reduction potential (ORP), alkalinity, and ferrous iron, provide an indication of geochemical conditions in the groundwater. The ORP, iron, sulfate, and sulfide measurements provide an indication of groundwater redox conditions. Alkalinity and pH measure the effectiveness of the BAPB in buffering any remaining acid in the groundwater. Alkalinity is also an indirect measure of biological activity due to carbon dioxide production by microorganisms.

The pH and alkalinity data indicate that the BAPB appears to be effectively buffering groundwater. In all three well clusters, the pH values in the wells within the BAPB were the same or higher than the pH in the corresponding upgradient well. In general, alkalinity was higher in the BAPB wells compared to the upgradient wells during the Reporting Period, except in Well Clusters MW-8/-9/-28 and MW-13/-14/-15 in April 2017.

The ORP results indicate that the BAPB is creating reducing conditions near all three well clusters as shown by the negative ORP values for wells located in the BAPB (Table 8). Ferrous iron concentrations were lower in groundwater samples from within the BAPB wells than in samples from their corresponding upgradient wells apart from samples collected from cluster MW-8/-9/-28 in April 2017 that reported relatively low levels of ferrous iron both in and upgradient of the BAPB. Ferrous iron concentrations are decreasing within the BAPB either because ferrous iron is being further reduced or because it is precipitating with sulfides (as ferrous sulfide).

Sulfate concentrations were lower in groundwater samples from BAPB wells relative to their corresponding upgradient wells in all three well

	clusters during the Reporting Period. Decreasing sulfate concentrations are an indication of sulfate-reducing conditions. In all three well clusters, sulfide concentrations in the BAPB increased or remained below detectable levels compared to the concentrations observed upgradient of the BAPB. The downgradient sulfide concentrations were below the laboratory reporting limit for all three well clusters. The presence of dissolved sulfide is an indication of strongly reducing conditions and the activity of sulfate reducing bacteria.
Divalent Metal (Cu, Pb, Ni, Zn) Concentrations at the BAPB (well clusters identified in order of well located upgradient of BAPB, well located within BAPB, and well located downgradient of BAPB)	Table 8 presents divalent metal concentrations detected in the BAPB cluster wells. When comparing the 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. <u>Well Cluster MW-2/-3/-4</u> Copper and lead were not detected above the laboratory reporting limit in samples collected from this well cluster in April or October 2017. Nickel was detected at concentrations of 7 and 6.7 micrograms per liter (µg/L) in well MW-2 (upgradient of the BAPB) in April and October 2017, respectively. Zinc was detected at a concentration 26 µg/L in well MW-2 in October 2017. Neither nickel nor zinc were detected above the laboratory reporting limit in samples collected from the well in the BAPB (MW-3) in April or October 2017. Nickel and zinc were not detected in the well downgradient of the BAPB (MW-4) in April 2017, but were detected at concentrations of 7.4 and 22 µg/L, respectively in well MW-4 in October 2017. <u>Well Cluster MW-8/-9/-28</u> Copper was not detected above the laboratory reporting limit in samples collected from this well cluster in April or October 2017. Lead was detected in the sample collected from the well upgradient of the BAPB in October 2017 at a concentration of 16 µg/L, but was not detected in the wells within or downgradient of the BAPB. Nickel was not detected in well MW-9 (in BAPB) in April or October 2017, but was detected in wells MW-8 (upgradient) and MW-28 (downgradient) in October 2017 at concentrations of 13 µg/L and 25 µg/L, respectively. Zinc was detected in the samples collected from the well upgradient of the BAPB at a concentration of 20 µg/L and 240 µg/L in April 2017 and October 2017, respectively, but was not detected above the laboratory reporting limit in the samples collected from the well within the BAPB in

	either sampling event. Zinc was detected in the samples collected from the well downgradient of the BAPB at concentrations of 150 µg/L and 1,200 µg/L in the April and October 2017 sampling events, respectively. An evaluation of the concentration trend graphs presented in Appendix C indicates that zinc concentrations in well MW-28 have generally remained stable, and below historical concentrations, from 2013 through October 2017, with the exception of one elevated detection in October 2015. Well Cluster MW-13/-14/-15 In this cluster, copper was detected in the sample collected from the well downgradient of the BAPB in April 2017 at a concentration of 88 µg/L, but was not detected in the wells upgradient or within the BAPB during the April 2017 sampling event. Copper was detected in the sample collected from the well upgradient of the BAPB in October 2017 at a concentration of 240 µg/L, but was not detected in the wells downgradient and within the BAPB during the October 2017 sampling event. Lead was not detected above the laboratory reporting limit in samples collected from this well cluster in April 2017, but was detected in the sample collected from the upgradient well (MW-13) at a concentration of 13 µg/L in the October 2017 event. Lead was not detected in the wells within or downgradient of the BAPB in the October 2017 event. In April and October 2017, nickel was detected in the samples collected from the well upgradient of the BAPB at concentrations of 79 µg/L and 630 µg/L, respectively. Nickel was not detected above the laboratory reporting limit in the wells within the BAPB in April or October 2017. Nickel was detected in the well downgradient of the BAPB (MW-15) at a concentration of 7.8 µg/L in April 2017, but was not detected above the laboratory reporting limit in well MW-15 in October 2017. Zinc was not detected above the laboratory reporting limit in samples collected from the wells within the BAPB in this well cluster in April or October 2017. Zinc was detected in the sample collected from the well downgradient of the BAPB in April 2017 and October 2017 at concentrations of 530 µg/L and 26 µg/L, respectively. The April 2017 result represented an increase relative to previous years. Zinc was detected at a concentration of 1,300 µg/L in the sample collected from well MW-13 upgradient of the BAPB in April 2017, and was detected at a concentration of 22,000 µg/L in October 2017. The greatest difference in divalent metals concentrations from the upgradient well to the wells within and downgradient of the BAPB was observed in this well cluster in October 2017. Zinc was detected at a concentration of 22,000 µg/L in the

	sample collected from well MW-13 upgradient of the BAPB, but was not detected above the laboratory reporting limit in the samples collected from wells MW-14 (in the BAPB) and at a concentration of 26 µg/L in MW-15 (downgradient of the BAPB). An evaluation of the concentration trend graphs provided in Appendix C indicates that the zinc data collected at this well cluster in October 2017 are consistent with previous monitoring results.
Arsenic Concentrations at the BAPB	The BAPB may be less effective in treating metalloids such as arsenic, which generally occurs as an oxyanion in groundwater. Arsenic is redox-sensitive and can be precipitated as sulfide compounds. However, under mildly reducing conditions, arsenic solubility can increase. Therefore, the BAPB may not be capable of maintaining dissolved arsenic concentrations below the ecological screening criteria for wells within or downgradient from the BAPB. Arsenic concentrations varied among the BAPB cluster wells during the Reporting Period and are discussed below. Table 8 presents arsenic concentrations detected in the BAPB cluster wells. <u>Well Cluster MW-2/-3/-4</u> In April and October 2017, arsenic was detected in samples collected from the wells upgradient and downgradient of the BAPB in this well cluster. Arsenic was detected at a concentration of 15 µg/L in the well within the BAPB (MW-3), but was not detected above the laboratory reporting limit in the sample collected from the well within the BAPB in October 2017. In October 2017, arsenic concentrations in samples collected downgradient of the BAPB were higher than arsenic concentrations in samples collected upgradient of the BAPB. During the Reporting Period, arsenic was detected at 20 µg/L in April 2017 and 140 µg/L in October 2017 at MW-2. An evaluation of the concentration trend graphs presented in Appendix C indicate that although arsenic concentrations at well MW-2 have increased since 2006, the arsenic concentrations have been on an overall decreasing trend since2015. Arsenic was detected at a concentration of 15 µg/L in MW-3, but was not detected above the laboratory reporting limit in the sample collected in October 2017.The arsenic trend graph for well MW-4 indicates that overall concentrations were decreasing from 2004 to 2012, but appear to be on an increasing trend from April 2012 to October 2015. Arsenic concentrations in MW-4 appear to fluctuate seasonally in 2016 and 2017. Arsenic was detected at 85 µg/L in April 2017 and 400 µg/L in October 2017 at MW-4. <u>Well Cluster MW-8/-9/-28</u>

	In April and October 2017, arsenic was detected in samples collected from the wells upgradient of, within, and downgradient of the BAPB. An evaluation of the concentration trend graph for well MW-8 (upgradient of the BAPB) indicates that from August 2006 through April 2011, arsenic concentrations were at or above the screening criteria of 5X the ambient water quality criteria (AWQC; 180 µg/L). However, arsenic concentrations for samples collected at MW-8 from October 2011 through October 2017 were below both the 5X AWQC criteria and the groundskeeper maintenance worker (GMW) criteria, with only two results (April 2015 and October 2016) above the GMW criteria. During the Reporting Period, arsenic was detected at 70 µg/L in April 2017 and 80 µg/L in October 2017 at MW-8. At MW-9, within the BAPB, a review of the concentration trend graph indicates that since August 2006, arsenic concentrations in groundwater at MW-9 range between 230 µg/L and 690 µg/L. During the Reporting Period, arsenic was detected at 460 µg/L in April 2017 and 230 µg/L in October 2017 at MW-9. At MW-28, downgradient of the BAPB, the arsenic concentration trend shows seasonal variability. However, the concentration peaks have generally attenuated from 2006 through 2013, then increased in 2014 relative to previous years, followed by a decrease in 2015. By October 2015, the concentration was similar to the concentration just before the increase in 2014, and has remained stable in 2017. During the Reporting Period, arsenic was detected at 73 µg/L in April 2017 and 96 µg/L in October 2017 at MW-28. <u>Well Cluster MW-13/-14/-15</u> In April 2017, arsenic was detected in samples collected from the wells within and downgradient of the BAPB in well cluster MW-13/-14/-15 at concentrations of approximately the same magnitude (24 µg/L for the well within the BAPB and 22 µg/L downgradient of the BAPB). Arsenic was not detected at the well upgradient of the BAPB in April 2017. In October 2017, arsenic was detected at concentrations of 21 µg/L, 21 µg/L, and 25 µg/L in the well upgradient of the BAPB, in the BAPB, and downgradient of the BAPB, respectively. An evaluation of the concentration trend graphs for well MW-13 indicates that arsenic concentrations have remained at or slightly above laboratory reporting limits since 2004. At wells MW-14 and MW-15, the arsenic trend graphs indicate seasonal variability. However, since August of 2010, arsenic concentration at well MW-14 has increased from below laboratory reporting limits (5 µg/L) to 62 µg/L in October 2011, and has generally decreased since October 2011. Arsenic concentrations at well MW-15 have also generally decreased since October 2011.

	Concentrations of arsenic in samples collected from this well cluster were below the applicable screening criteria.
BAPB Function	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 metal concentrations detected downgradient of the BAPB are independent of concentration trends within the BAPB and upgradient of the BAPB.

6.0 QUALITY ASSURANCE/QUALITY CONTROL RESULTS

Terraphase performed a quality assurance/quality control (QA/QC) evaluation of the laboratory analytical 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 January 2017

No qualifiers were applied by Terraphase during the QA/QC evaluation for data collected in January 2017. There were no detections in the trip blank sample analyses.

The laboratory qualified the following results:

- In laboratory report No. 284781, high responses were observed in the continuing calibration verification (CCV) drift analyzed on 01/11/17 at 22:13 in requirements for gamma-BHC, heptachlor, Aldrin, dieldrin, endrin, and 4,4'-DDT in the blank spike and blank spike duplicate for batch 243085; affected data was qualified with a "b" flag. In addition, endosulfan I in samples 002-010317 and 003-010317 were #-flagged by the laboratory because the CCV drift was outside limits; however, the average CCV drift was within limits per method requirements.

6.2 February 2017

No qualifiers were applied by Terraphase during the QA/QC evaluation for data collected in February 2017.

The trip blank sample collected on February 9, 2017 and identified as TB-020917 contained acetone at a concentration of 28 µg/L. Acetone was not detected above the laboratory reporting limit in other samples in this batch.

There were no other detections in the trip blank sample analyses.

The laboratory qualified the following results:

- In lab report 285685, high responses were observed in the blank spike and blank spike duplicate for gamma-BHC, heptachlor, Aldrin, dieldrin, endrin, and 4,4'- DDT in the CCV analyzed 02/10/17 21:26 of batch 244123; affected data was qualified with a "b" flag. In addition, analytes endosulfan sulfate and methoxychlor in sample 002-020217 were #-flagged by the laboratory because CCV drift outside limits, but the average CCV drift was within limits per method requirements.

6.3 March 2017

No qualifiers were applied by Terraphase during the QA/QC evaluation for data collected in March 2017. There were no detections in the trip blank sample analyses.

The laboratory qualified the following results:

- In lab report 287206, high responses were observed for gamma-BHC, 4,4'-DDT, and endrin in the CCV analyzed 03/31/17 14:59; gamma-BHC, 4,4'-DDT, and endrin in the blank spike and blank spike duplicate were qualified with a "b" flag.
- In lab report 285806, sample 003-020417 was analyzed for pH passed the EPA recommended hold time and the results were flagged with a “b” flag.

6.4 April 2017

No qualifiers were applied by Terraphase during the QA/QC evaluation for data collected in April 2017.

The source blank sample collected on April 11, 2017 and identified as SB-041117 contained total dissolved solids at a concentration of 10 milligrams per liter (mg/L). The equipment blank sample collected on April 11, 2017 and identified as EB-041117 contained total dissolved solids at a concentration of 30 mg/L but was not qualified because total dissolved solids was detected in the source blank sample.

The equipment blank sample collected on April 7, 2017 and identified as EB-040717 contained copper at a concentration of 8.3 µg/L. Copper was detected in samples MW-15, MW-11B, and MW-11A at concentrations of 88 µg/L, 330 µg/L, and 61 µg/L respectively. These results were not qualified because the detections were greater than five times the respective equipment blank result.

The equipment blank sample collected on April 12, 2017 and identified as EB-041217 contained acetone and 2-butanone at concentrations of 19 µg/L and 18 µg/L, respectively. Acetone was detected in sample IMW-48 at a concentration of 460 µg/L but was not qualified because the detection was greater than five times the respective equipment blank result. 2-butanone was not detected in any samples. Therefore, no sample results were qualified.

There were no other detections in the equipment blank, source blank, and trip blank sample analyses.

The laboratory qualified the following results:

- In laboratory reports 287648 and 287662, copper was detected at or above the reporting limit in the Closing Calibration Blank (CCB) analyzed on 04/10/17 at 22:49 and on 04/10/17 at 23:24; this analyte was detected in samples at least 10 times the blank level, and affected data was qualified with a "b" flag.

- In laboratory report 288067, analytes alpha-BHC, beta-BHC, gamma-BHC, and delta-BHC in PZ-13-D, DTSC-MW-2, and the equipment blank sample were #-flagged by the laboratory because CCV drift was outside limits; however, the average CCV drift was within limits per method requirements.

6.5 October 2017

No qualifiers were applied by Terraphase nor the laboratory during the QA/QC evaluation for data collected in October 2017.

There were no detections in the source blank and trip blank sample analyses.

The equipment blank sample collected on October 10, 2017, and identified as EB-101017 contained acetone, 2-butanone, and m,p-xylenes at concentrations of 19 µg/L, 44 µg/L, and 0.5 µg/L respectively. Acetone, 2-butanone, and m,p-xylenes were not detected in any of the associated samples and therefore, no sample results were qualified. There were no other detections in the equipment blank analysis.

Trip blanks that accompanied samples collected on the following dates contained air bubbles greater than 6 millimeters in diameter in at least one of the three 40ml VOAs required per trip blank:

- October 4th – Report No. 293217
  - TB-100417; 3 of 3 trip blank VOAs arrived with bubbles
- October 5th – Report No. 293237
  - TB-100517; 3 of 3 trip blank VOAs arrived with bubbles
- October 6th – Report No. 293272
  - TB-100617; 1 of 3 trip blank VOAs arrived with bubbles
- October 10th – Report No. 293355
  - TB-101017; 1 of 3 trip blank VOAs arrived with bubbles
- October 11th – Report No. 293382
  - TB-101117; 2 of 3 trip blank VOAs arrived with bubbles
- October 13th – Report No. 293454
  - TB-101317; 1 of 3 trip blank VOAs arrived with bubbles
- October 16th – Report No. 293500
  - TB-101617; 2 of 3 trip blank VOAs arrived with bubbles

The following VOA samples collected for VOC analysis contained air bubbles greater than 6 millimeters in diameter in at least one of the three 40ml VOAs required per sample.

- October 4th - Report No. 293217
  - MW-3; 2 of 3 sample VOAs arrived with bubbles
  - MW-10A; 2 of 3 sample VOAs arrived with bubbles
  - MW-10B; 2 of 3 sample VOAs arrived with bubbles
  - MW-28; 1 of 3 sample VOAs arrived with a bubble
  - EB-100417; 1 of 3 sample VOAs arrived with a bubble
- October 5th - Report No. 293237

  - MW-9; 2 of 3 sample VOAs arrived with bubbles
  - MW-16A; 2 of 3 sample VOAs arrived with bubbles
  - MW-16B; 2 of 3 sample VOAs arrived with bubbles
- October 6th - Report No. 293272
  - DTSC-MW-1; 2 of 3 sample VOAs arrived with bubbles
  - DTSC-MW-2; 2 of 3 sample VOAs arrived with bubbles
- October 11th - Report No. 293382
  - IMW-45; 1 of 3 sample VOAs arrived with bubbles
  - MW-20; 1 of 3 sample VOAs arrived with bubbles

Three VOA vials per sample are submitted to the laboratory. If one or more of the vials arrives at the laboratory with bubbles, a vial with bubbles is used for screening and a vial without bubbles is used for analysis. During the October 2017 monitoring event, there was no instance in which all three sample vials containing groundwater collected from a monitoring well had bubbles. However, two laboratory-prepared trip blanks had bubbles in all three vials. It is the laboratory's professional opinion that the presence of bubbles in the VOA vials does not significantly affect the integrity of the sample and therefore (Nadim 2001), data qualifiers were not applied to the two trip blank samples where all 3 vials contained bubbles.

Upon arrival at the laboratory HCl was added to the following samples for ferrous iron analysis to reduce the pH to a value less than 2:

- October 3rd – HCl added to all Fe^{2+} samples; Report No. 293158
  - MW-34, MW-36, MW-40, MW-41, MW-42, MW-42-D, MW-43, MW-44, MW-45, MW-46, and EB-100317
- October 4th – HCl added to all Fe^{2+} samples; Report No. 293217
  - MW-1, MW-3, MW-4, MW-5, MW-7, MW-10A, MW-10B, MW11-A, MW-11B, MW-12, MW12-D, MW-28, and EB-100417
- October 5th – HCl added to all Fe^{2+} samples; Report No. 293237
  - MW-2, MW-6, MW-8, MW-9, MW-13, MW-14, MW-15, MW-16A, MW-16B, MW-17, MW-29, PZ-14, EB-100517
- October 6th – HCl added to all Fe^{2+} samples; Report No. 293272
  - DTSC-MW-2, MW-33, PZ-13, PZ-13-D, PZ-15, PZ-16, SB-100617, EB-100617
- October 10th – HCl added to all Fe^{2+} samples; Report No. 293355
  - MW-21, MW-24, EB-101017
- October 16th – HCl added to all Fe^{2+} samples; Report No. 293500
  - MW-30, MW-31, EB-101617

Upon arrival at the laboratory NaOH was added to the following samples for dissolved sulfide analysis to increase the pH to a value greater than 12:

- October 3rd – NaOH added to 9 of 11 dissolved sulfides samples; Report No. 293158
    - MW-34, MW-36, MW-40, MW-41, MW-42, MW-42-D, MW-43, MW-44, and MW-46
- October 4th – NaOH added to 10 of 13 dissolved sulfides samples; Report No. 293217
    - MW-1, MW-3, MW-4, MW-5, MW-7, MW-10A, MW-10B, MW-11B, MW-28, and EB-100417
- October 5th – NaOH added to 1 of 13 dissolved sulfides samples; Report No. 293237
    - MW-13
- October 6th – NaOH added to 5 of 8 dissolved sulfides samples; Report No. 293272
    - MW-33, PZ-13, PZ-13-D, PZ-15, and EB-100617
- October 10th – NaOH added to 2 of 3 dissolved sulfides samples; Report No. 293355
    - MW-21, and EB-101017
- October 11th – NaOH added to 4 of 8 dissolved sulfides samples; Report No. 293382
    - MW-19-D, MW-20, MW-32A, and MW-32B

Upon arrival at the laboratory HNO_3 was added to the following samples for dissolved metals analysis to decrease the pH to a value less than 2:

- October 3rd – HNO_3 was added to 1 of 11 Title 22 Metals samples; Report No. 293158
    - MW-44
- October 16th - HNO_3 was added to 1 of 6 Arsenic samples; Report No. 293500
    - IMW-4

The laboratory verified that Terraphase field staff were provided bottles containing the standard doses of preservative (i.e. HCl, NaOH, or HNO_3); therefore the pH of the samples upon arrival were likely very close to the respective pH thresholds. 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 ferrous iron, dissolved sulfides or metals data as a result of pH adjustments.

6.6 November 2017

An equipment blank sample and a trip blank sample were not collected for this sample batch.

No qualifiers were applied by Terraphase during the QA/QC evaluation for data collected in November 2017.

The laboratory qualified the following results:

- In laboratory report 294264, high responses were observed in the Initial Calibration Verification (ICV) and napropamide for sample 002-110917 was qualified with a "b" flag.

- In laboratory report 294264, gamma-chlordane for sample 002-110917 was C-flagged because the presence of the analyte was confirmed, but relative percent difference (RPD) between columns exceeded 40%.

7.0 WORK PLANNED FOR THE FIRST HALF OF 2018

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

- Upkeep and maintenance of the temporary cap will continue.
- Conduct semi-annual groundwater monitoring activities in April 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

Arcadis. 2013. Operations and Maintenance Plan for East Stege Marsh, Campus Bay Site, Richmond, California. December.

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.

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.

Nadim, F. , Liu, S. and Hoag, G. E. (2001), The Effect of Air Bubbles and Headspace on the Aqueous Concentrations of Volatile Organic Compounds in Sampling Vials. Groundwater Monitoring & Remediation, 21: 89-96. doi:10.1111/j.1745-6592.2001.tb00634.x

Terraphase Engineering Inc. (Terraphase). 2012. Technical Memorandum, Revised TCE Risk Evaluation. July 19.

_____. 2017a. Semi-Annual Groundwater and Surface Water Monitoring Report, January 1 Through June 30, 2017, Campus Bay, Richmond, California. July 31.

_____. 2017b. Draft Feasibility Study and Remedial Action Plan for Lot 1, Lot 2, and the Uplands Portion of Lot 3, Campus Bay, Richmond, California. August 31.

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 Site, 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	
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
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	
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	

Table 1
Groundwater Monitoring Well Construction Details
Campus Bay Site, 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-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
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	
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	
PZ-14	10/16/2009	17.0	2.0 PVC	7.0-17.0	8.0	Flush	11.93	12.4	
PZ-15	10/16/2009	16.5	2.0 PVC	6.5-16.5	8.0	Flush	7.49	7.9	

Table 1
Groundwater Monitoring Well Construction Details
Campus Bay Site, 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-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
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

Table 1
Groundwater Monitoring Well Construction Details
Campus Bay Site, 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-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
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	

Table 1
Groundwater Monitoring Well Construction Details
Campus Bay Site, 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
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)
Upper Horizon Groundwater Monitoring Wells				
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-10A	3/19/2003	9.82	7.15	2.67
MW-10A	7/30/2003	9.82	6.73	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)
Upper Horizon Groundwater Monitoring Wells				
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
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-11A	3/20/2003	13.62	9.40	4.22

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)
Upper Horizon Groundwater Monitoring Wells				
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
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***

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)
Upper Horizon Groundwater Monitoring Wells				
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
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***

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)
Upper Horizon Groundwater Monitoring Wells				
MW-12	***10/2/2017***	***12.71***	***10.06***	***2.65***
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		--
MW-13	6/6/2005	12.24		--
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
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

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)
Upper Horizon Groundwater Monitoring Wells				
MW-13	***4/3/2017***	***13.18***	***8.20***	***4.98***
MW-13	***10/2/2017***	***13.18***	***10.28***	***2.90***
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
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

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)
Upper Horizon Groundwater Monitoring Wells				
MW-14	***4/3/2017***	***12.92***	***7.41***	***5.51***
MW-14	***10/2/2017***	***12.92***	***10.27***	***2.65***
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
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

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)
Upper Horizon Groundwater Monitoring Wells				
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-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
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

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)
Upper Horizon Groundwater Monitoring Wells				
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
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

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)
Upper Horizon Groundwater Monitoring Wells				
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
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

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)
Upper Horizon Groundwater Monitoring Wells				
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-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
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

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)
Upper Horizon Groundwater Monitoring Wells				
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-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
MW-2	10/1/2014	13.39	10.98	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)
Upper Horizon Groundwater Monitoring Wells				
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-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

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)
Upper Horizon Groundwater Monitoring Wells				
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
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-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		--
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

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)
Upper Horizon Groundwater Monitoring Wells				
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-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

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)
Upper Horizon Groundwater Monitoring Wells				
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-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
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		--
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

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)
Upper Horizon Groundwater Monitoring Wells				
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-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
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		--
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

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)
Upper Horizon Groundwater Monitoring Wells				
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-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
MW-25	8/4/2008	23.19		--
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-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

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)
Upper Horizon Groundwater Monitoring Wells				
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
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-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

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)
Upper Horizon Groundwater Monitoring Wells				
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-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
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

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)
Upper Horizon Groundwater Monitoring Wells				
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-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
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-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

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)
Upper Horizon Groundwater Monitoring Wells				
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
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-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

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)
Upper Horizon Groundwater Monitoring Wells				
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-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
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

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)
Upper Horizon Groundwater Monitoring Wells				
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-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-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

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)
Upper Horizon Groundwater Monitoring Wells				
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-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-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-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
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

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)
Upper Horizon Groundwater Monitoring Wells				
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-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-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
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

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)
Upper Horizon Groundwater Monitoring Wells				
MW-41	***4/3/2017***	***7.51***	***2.43***	***5.08***
MW-41	***10/2/2017***	***7.51***	***4.34***	***3.17***
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-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-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-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-46	3/28/2014	5.66	1.86	3.80
MW-46	6/3/2014	5.66	2.13	3.53
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

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)
Upper Horizon Groundwater Monitoring Wells				
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-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

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)
Upper Horizon Groundwater Monitoring Wells				
MW-5	4/1/2015	10.57	8.53	2.04
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-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

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)
Upper Horizon Groundwater Monitoring Wells				
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
MW-6	***4/3/2017***	***13.97***	***9.80***	***4.17***
MW-6	***10/2/2017***	***13.97***	***11.71***	***2.26***
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

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)
Upper Horizon Groundwater Monitoring Wells				
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-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

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)
Upper Horizon Groundwater Monitoring Wells				
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
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-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		--
MW-9	6/6/2005	14.66		--
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

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)
Upper Horizon Groundwater Monitoring Wells				
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***

Notes:

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 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)
Lower Horizon Groundwater Monitoring Wells				
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

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)
Lower Horizon Groundwater Monitoring Wells				
MW-10B	***4/3/2017***	***9.88***	***5.87***	***4.01***
MW-10B	***10/2/2017***	***9.88***	***7.63***	***2.25***
MW-11B	3/20/2003	14.06	13.79	0.27
MW-11B	7/30/2003	14.06	10.32	3.74
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

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)
Lower Horizon Groundwater Monitoring Wells				
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-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
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

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)
Lower Horizon Groundwater Monitoring Wells				
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
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***

Notes:

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.

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)
Piezometers				
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		--
PZ-1S	8/4/2008	15.02		--
PZ-1S	11/4/2008	15.02		--
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

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)
		Piezometers		
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
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

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)
		Piezometers		
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
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

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)
Piezometers				
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		--
PZ-4S	11/4/2008	14.79		--
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

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)
Piezometers				
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
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

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)
		Piezometers		
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
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-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

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)
		Piezometers		
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
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-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

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)
Piezometers				
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-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
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-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

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)
		Piezometers		
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
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-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

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)
Piezometers				
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***

Notes:

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.

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-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	10/1/2014	15.05	8.38	2.19
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

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	4/11/2011	15.05	4.62	10.43
IMW-2	10/3/2011	15.05	6.18	8.87
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	8.19	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-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-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

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	11/5/2007	15.83	6.51	9.32
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-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

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	10/7/2013	13.77	6.33	7.44
IMW-5	3/28/2014	13.77	4.37	9.40
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-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-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

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	11/4/2008	15.26	6.55	8.71
IMW-7	2/2/2009	15.26	6.87	8.39
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-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

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	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
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-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

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-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
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-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

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	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
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-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-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

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	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
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-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-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

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	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
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-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	4/1/2013	14.62	7.53	7.09
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	18.14	9.12	9.02

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)
Temporary Groundwater Monitoring Wells (Support Pilot Studies)				
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
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-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-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-25	2/1/2010	25.18	9.41	15.77
IMW-25	5/3/2010	25.18	11.79	13.39

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-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
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-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-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

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	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***
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-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-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

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	10/3/2011	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
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-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-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

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-32	***4/3/2017***	***20.76***	***7.51***	***13.25***
IMW-32	***10/2/2017***	***20.76***	***12.40***	***8.36***
IMW-33	11/2/2009	20.01	10.61	9.40
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-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-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-44	4/11/2011	17.87	12.08	5.79
IMW-44	4/2/2012	17.87	11.50	6.37

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	10/1/2012	17.87	13.88	3.99
IMW-44	4/1/2013	17.87	12.78	5.09
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-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-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-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

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	***4/3/2017***	***16.24***	***8.89***	***7.35***
IMW-47	***10/2/2017***	***16.24***	***10.45***	***5.79***
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-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-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-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
IMW-57	10/1/2014	11.88	6.98	4.90

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	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-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-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-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-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***
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

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-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***

Notes:

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.

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-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-4	4/27/2007	12.80	3.29	9.51
DTSC-MW-4	5/7/2007	12.80	3.37	9.43

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-4	8/6/2007	12.80	4.35	8.45
DTSC-MW-4	11/5/2007	12.80	8.30	4.50
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***

Notes:

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.

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	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethene	1,2-dichlorobenzene	1,2-dichloroethane	1,2-dichloropropane	1,4-dichlorobenzene	2-chlorotoluene	2-hexanone	Acetone	Benzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane
						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)						**-**	**1.00E+00**	**5.00E+00**	**6.00E+00**	**6.00E+02**	**5.00E-01**	**5.00E+00**	**5.00E+00**	**-**	**-**	**-**	**1.00E+00**	**-**	**5.00E-01**	**7.00E+01**	**-**
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	-	3.70E+07	6.10E+01	7.60E+04	8.50E+00	1.10E+06	-
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	-	2.20E+08	4.40E+02	1.30E+06	1.60E+02	1.40E+05	-
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*	-	*7.90E+06*	*2.00E+01*	*1.60E+04*	*2.80E+00*	*2.50E+05*	-
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	-	-	-	3.60E+03	-	2.20E+02	1.10E+06	-
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	-	-	-	2.80E+04	-	1.80E+03	8.40E+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	-	-	-	1.10E+05	-	7.00E+03	3.40E+07	-
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	-	-	-	7.10E+01	-	4.40E+00	2.10E+04	-
DTSC Harborfront	DTSC-MW-1	Primary	4/13/2017	Upper, offsite	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
DTSC Harborfront	DTSC-MW-1	Primary	10/6/2017	Upper, offsite	NA	<0.5	<0.5	<0.5	<0.5	<0.5	**4.4**	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
DTSC Harborfront	DTSC-MW-2	Primary	4/14/2017	Upper, offsite	NA	<0.5	<0.5	<0.5	0.8	<0.5	**0.7**	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
DTSC Harborfront	DTSC-MW-2	Primary	10/6/2017	Upper, offsite	NA	<0.5	<0.5	<0.5	0.6	<0.5	**1.1**	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
DTSC Harborfront	DTSC-MW-4	Primary	4/13/2017	Upper, offsite	NA	<0.5	<0.5	<0.5	<0.5	<0.5	**1.1**	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
DTSC Harborfront	DTSC-MW-4	Primary	10/6/2017	Upper, offsite	NA	<0.5	<0.5	<0.5	<0.5	<0.5	**1.2**	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	IMW-1	Primary	4/10/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	IMW-1	Primary	10/16/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	IMW-2	Primary	4/10/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	IMW-2	Primary	10/16/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	IMW-3	Primary	4/10/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	IMW-3	Primary	10/16/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	IMW-4	Primary	4/10/2017	Upper	NA	<0.5	<0.5	<0.5	0.9	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	IMW-4	Primary	10/16/2017	Upper	NA	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	IMW-15	Primary	4/5/2017	Lower	NA	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<50	<2.5	<2.5	<2.5	<2.5	<5.0
Lot 1	IMW-15	Primary	10/13/2017	Lower	NA	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<50	<2.5	<2.5	<2.5	<2.5	<5.0
Lot 1	IMW-16	Primary	4/5/2017	Lower	NA	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<50	<2.5	<2.5	<2.5	<2.5	<5.0
Lot 1	IMW-16-D	Duplicate	4/5/2017	Lower	NA	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<50	<2.5	<2.5	<2.5	<2.5	<5.0
Lot 1	IMW-16	Primary	10/13/2017	Lower	NA	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<71	<71	<3.6	<3.6	<3.6	<3.6	<7.1
Lot 1	IMW-16-D	Duplicate	10/13/2017	Lower	NA	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<71	<71	<3.6	<3.6	<3.6	<3.6	<7.1
Lot 1	IMW-17	Primary	4/5/2017	Lower	NA	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<71	<71	<3.6	<3.6	<3.6	<3.6	<7.1
Lot 1	IMW-17	Primary	10/13/2017	Lower	NA	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<50	<2.5	<2.5	<2.5	<2.5	<5.0
Lot 1	IMW-23	Primary	4/10/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	IMW-23	Primary	10/12/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	IMW-25	Primary	4/5/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	IMW-25	Primary	10/13/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	IMW-26	Primary	4/5/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	IMW-26	Primary	10/12/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	IMW-27	Primary	4/5/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	IMW-27	Primary	10/12/2017	Upper	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<20	<1.0	<1.0	<1.0	<1.0	<2.0
Lot 1	IMW-28	Primary	4/5/2017	Upper	NA	<1.3	<1.3	<1.3	1.7	<1.3	<1.3	<1.3	<1.3	<1.3	<25	<25	<1.3	<1.3	<1.3	<1.3	<2.5
Lot 1	IMW-28	Primary	10/12/2017	Upper	NA	<1.3	<1.3	<1.3	3.8	<1.3	<1.3	<1.3	<1.3	<1.3	<25	<25	<1.3	<1.3	<1.3	<1.3	<2.5
Lot 1	IMW-29	Primary	4/5/2017	Lower	NA	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<50	<2.5	<2.5	<2.5	<2.5	<5.0
Lot 1	IMW-29	Primary	10/12/2017	Lower	NA	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<50	<2.5	<2.5	<2.5	<2.5	<5.0
Lot 1	IMW-30	Primary	4/5/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0

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)	Chloroform µg/L	cis-1,2-dichloroethene µg/L	Methyl Ethyl Ketone µg/L	Methyl Tertiary Butyl Ether µg/L	Tetrachloroethene µg/L	Toluene µg/L	trans-1,2-dichloroethene µg/L	Trichloroethene µg/L	Vinyl chloride µg/L
Drinking Water Standards Lots 1 and 2 (Upper and Lower Horizon)						**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)						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)						2.50E+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)						*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)						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)						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)						7.50E+05				1.40E+04	3.20E+08	2.20E+08	1.30E+05	8.40E+05
Storm-water Criteria, (Storm-water Outfalls)						4.70E+02				8.90E+00	2.00E+05	1.40E+05	8.10E+01	5.30E+02
DTSC Harborfront	DTSC-MW-1	Primary	4/13/2017	Upper, offsite	NA	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	**44**	<0.5
DTSC Harborfront	DTSC-MW-1	Primary	10/6/2017	Upper, offsite	NA	<0.5	1.1	<10	<0.5	<0.5	<0.5	<0.5	**43**	<0.5
DTSC Harborfront	DTSC-MW-2	Primary	4/14/2017	Upper, offsite	NA	<0.5	1.5	<10	<0.5	<0.5	<0.5	<0.5	**12**	<0.5
DTSC Harborfront	DTSC-MW-2	Primary	10/6/2017	Upper, offsite	NA	<0.5	1.3	<10	<0.5	<0.5	<0.5	<0.5	**15**	<0.5
DTSC Harborfront	DTSC-MW-4	Primary	4/13/2017	Upper, offsite	NA	<0.5	0.5	<10	<0.5	<0.5	<0.5	<0.5	**63**	<0.5
DTSC Harborfront	DTSC-MW-4	Primary	10/6/2017	Upper, offsite	NA	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	**52**	<0.5
Lot 1	IMW-1	Primary	4/10/2017	Upper	NA	<0.5	1.7	<10	<0.5	<0.5	<0.5	<0.5	<0.5	***2.6***
Lot 1	IMW-1	Primary	10/16/2017	Upper	NA	<0.5	1.1	<10	<0.5	<0.5	<0.5	<0.5	<0.5	***3.5***
Lot 1	IMW-2	Primary	4/10/2017	Upper	NA	<0.5	4	<10	<0.5	<0.5	<0.5	<0.5	<0.5	***10***
Lot 1	IMW-2	Primary	10/16/2017	Upper	NA	<0.5	3.1	<10	<0.5	<0.5	<0.5	<0.5	<0.5	***11***
Lot 1	IMW-3	Primary	4/10/2017	Upper	NA	<0.5	1.6	<10	<0.5	<0.5	<0.5	<0.5	<0.5	***3***
Lot 1	IMW-3	Primary	10/16/2017	Upper	NA	<0.5	1.6	<10	<0.5	<0.5	<0.5	<0.5	<0.5	***3.4***
Lot 1	IMW-4	Primary	4/10/2017	Upper	NA	<0.5	2.9	<10	<0.5	<0.5	<0.5	<0.5	1.8	***3.7***
Lot 1	IMW-4	Primary	10/16/2017	Upper	NA	<0.5	2.9	<10	<0.5	<0.5	<0.5	<0.5	0.8	***8.1***
Lot 1	IMW-15	Primary	4/5/2017	Lower	NA	<2.5	**290**	<50	<2.5	<2.5	<2.5	<2.5	<2.5	**78**
Lot 1	IMW-15	Primary	10/13/2017	Lower	NA	<2.5	**220**	<50	<2.5	<2.5	<2.5	<2.5	<2.5	**88**
Lot 1	IMW-16	Primary	4/5/2017	Lower	NA	<2.5	**410**	<50	<2.5	<2.5	<2.5	2.6	**39**	**6.4**
Lot 1	IMW-16-D	Duplicate	4/5/2017	Lower	NA	<2.5	**390**	<50	<2.5	<2.5	<2.5	2.7	**37**	**6.6**
Lot 1	IMW-16	Primary	10/13/2017	Lower	NA	<3.6	**350**	<71	<3.6	<3.6	<3.6	<3.6	<3.6	**23**
Lot 1	IMW-16-D	Duplicate	10/13/2017	Lower	NA	<3.6	**360**	<71	<3.6	<3.6	<3.6	<3.6	<3.6	**25**
Lot 1	IMW-17	Primary	4/5/2017	Lower	NA	<3.6	**350**	<71	<3.6	<3.6	<3.6	3.9	**6.5**	
Lot 1	IMW-17	Primary	10/13/2017	Lower	NA	<2.5	**400**	<50	<2.5	<2.5	<2.5	<2.5	**4.4**	
Lot 1	IMW-23	Primary	4/10/2017	Upper	NA	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	1.1	<0.5
Lot 1	IMW-23	Primary	10/12/2017	Upper	NA	<0.5	1.2	<10	<0.5	0.6	<0.5	<0.5	**7.1**	<0.5
Lot 1	IMW-25	Primary	4/5/2017	Upper	NA	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	1.6	<0.5
Lot 1	IMW-25	Primary	10/13/2017	Upper	NA	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	2.8	<0.5
Lot 1	IMW-26	Primary	4/5/2017	Upper	NA	<0.5	5.9	<10	<0.5	1.8	<0.5	<0.5	**7.8**	***90***
Lot 1	IMW-26	Primary	10/12/2017	Upper	NA	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	0.8	***86***
Lot 1	IMW-27	Primary	4/5/2017	Upper	NA	<0.5	**20**	<10	<0.5	***82***	<0.5	<0.5	**90**	***18***
Lot 1	IMW-27	Primary	10/12/2017	Upper	NA	<1.0	**28**	<20	<1.0	***190***	<1.0	<1.0	***130***	***67***
Lot 1	IMW-28	Primary	4/5/2017	Upper	NA	<1.3	**180**	<25	<1.3	**18**	<1.3	3.1	***180***	***150***
Lot 1	IMW-28	Primary	10/12/2017	Upper	NA	<1.3	**500**	<25	<1.3	**33**	<1.3	5.8	***1,200***	***190***
Lot 1	IMW-29	Primary	4/5/2017	Lower	NA	<2.5	**260**	<50	<2.5	<2.5	<2.5	**14**	**7.9**	**390**
Lot 1	IMW-29	Primary	10/12/2017	Lower	NA	<2.5	**700**	<50	<2.5	4.2	<2.5	**11**	**10**	**580**
Lot 1	IMW-30	Primary	4/5/2017	Upper	NA	<0.5	**28**	<10	<0.5	<0.5	<0.5	0.6	0.7	0.5

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	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethene	1,2-dichlorobenzene	1,2-dichloroethane	1,2-dichloropropane	1,4-dichlorobenzene	2-chlorotoluene	2-hexanone	Acetone	Benzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane
						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)						**-**	**1.00E+00**	**5.00E+00**	**6.00E+00**	**6.00E+02**	**5.00E-01**	**5.00E+00**	**5.00E+00**	**-**	**-**	**-**	**1.00E+00**	**-**	**5.00E-01**	**7.00E+01**	**-**
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	-	3.70E+07	6.10E+01	7.60E+04	8.50E+00	1.10E+06	-
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	-	2.20E+08	4.40E+02	1.30E+06	1.60E+02	1.40E+05	-
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*	-	*7.90E+06*	*2.00E+01*	*1.60E+04*	*2.80E+00*	*2.50E+05*	-
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	-	-	-	3.60E+03	-	2.20E+02	1.10E+06	-
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	-	-	-	2.80E+04	-	1.80E+03	8.40E+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	-	-	-	1.10E+05	-	7.00E+03	3.40E+07	-
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	-	-	-	7.10E+01	-	4.40E+00	2.10E+04	-
Lot 1	IMW-30	Primary	10/13/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	IMW-31	Primary	4/5/2017	Upper	NA	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<83	<83	<4.2	<4.2	<4.2	<4.2	<8.3
Lot 1	IMW-31	Primary	10/13/2017	Upper	NA	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<63	<63	<3.1	<3.1	<3.1	<3.1	<6.3
Lot 1	IMW-32	Primary	4/5/2017	Lower	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	IMW-32	Primary	10/13/2017	Lower	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	IMW-33	Primary	4/5/2017	Lower	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<40	<40	<2.0	<2.0	<2.0	<2.0	<4.0
Lot 1	IMW-33	Primary	10/13/2017	Lower	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<40	<40	<2.0	<2.0	<2.0	<2.0	<4.0
Lot 1	MW-25R	Primary	4/5/2017	Upper	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<20	<1.0	<1.0	<1.0	<1.0	<2.0
Lot 1	MW-25R	Primary	10/12/2017	Upper	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<20	<1.0	<1.0	<1.0	<1.0	<2.0
Lot 1	MW-26	Primary	4/10/2017	Upper	NA	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	MW-26-D	Duplicate	4/10/2017	Upper	NA	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	MW-26	Primary	10/12/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	MW-26-D	Duplicate	10/12/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	MW-27	Primary	4/5/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	MW-27	Primary	10/12/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	MW-30	Primary	4/10/2017	Upper	NA	<0.5	<0.5	<0.5	1.8	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	MW-30	Primary	10/16/2017	Upper	NA	<0.5	<0.5	<0.5	2.3	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	MW-33	Primary	4/10/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	MW-33-D	Duplicate	4/10/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	MW-33	Primary	10/6/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	PZ-11	Primary	4/10/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	PZ-11-D	Duplicate	4/10/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	PZ-11	Primary	10/12/2017	Upper	NA	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	PZ-11-D	Duplicate	10/12/2017	Upper	NA	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	PZ-12	Primary	4/10/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 1	PZ-12	Primary	10/12/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 2	IMW-5	Primary	4/13/2017	Upper	NA	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 2	IMW-5	Primary	10/16/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 2	IMW-6	Primary	4/13/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	19	***190***	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 2	IMW-6	Primary	10/10/2017	Upper	NA	<1.0	<1.0	<1.0	<1.0	21	**77**	<1.0	<1.0	<1.0	<20	<20	<1.0	<1.0	<1.0	<1.0	<2.0
Lot 2	IMW-7	Primary	4/13/2017	Upper	NA	<0.5	<0.5	1	<0.5	5.2	***330***	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<7.1
Lot 2	IMW-7	Primary	10/10/2017	Upper	NA	<1.0	<1.0	<1.0	<1.0	5.1	**110**	<1.0	<1.0	<1.0	<20	<20	<1.0	<1.0	<1.0	<1.0	<2.0
Lot 2	IMW-7-D	Duplicate	10/10/2017	Upper	NA	<1.0	<1.0	<1.0	<1.0	5.2	***140***	<1.0	<1.0	<1.0	<20	<20	<1.0	<1.0	<1.0	<1.0	<2.0
Lot 2	IMW-8	Primary	4/13/2017	Upper	NA	<1.7	<1.7	<1.7	2	<1.7	<1.7	<1.7	<1.7	<1.7	<33	<33	<1.7	<1.7	<1.7	<1.7	<3.3

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)	Chloroform µg/L	cis-1,2-dichloroethene µg/L	Methyl Ethyl Ketone µg/L	Methyl Tertiary Butyl Ether µg/L	Tetrachloroethene µg/L	Toluene µg/L	trans-1,2-dichloroethene µg/L	Trichloroethene µg/L	Vinyl chloride µg/L
Drinking Water Standards Lots 1 and 2 (Upper and Lower Horizon)						**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)						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)						2.50E+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)						*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)						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)						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)						7.50E+05				1.40E+04	3.20E+08	2.20E+08	1.30E+05	8.40E+05
Storm-water Criteria, (Storm-water Outfalls)						4.70E+02				8.90E+00	2.00E+05	1.40E+05	8.10E+01	5.30E+02
Lot 1	IMW-30	Primary	10/13/2017	Upper	NA	<0.5	**47**	<10	<0.5	<0.5	<0.5	1.3	0.7	***1.3***
Lot 1	IMW-31	Primary	4/5/2017	Upper	NA	<4.2	**430**	<83	<4.2	<4.2	<4.2	<4.2	<4.2	***17***
Lot 1	IMW-31	Primary	10/13/2017	Upper	NA	<3.1	**520**	<63	<3.1	<3.1	<3.1	<3.1	<3.1	***17***
Lot 1	IMW-32	Primary	4/5/2017	Lower	NA	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 1	IMW-32	Primary	10/13/2017	Lower	NA	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 1	IMW-33	Primary	4/5/2017	Lower	NA	<2.0	**210**	<40	<2.0	<2.0	<2.0	<2.0	3.5	**14**
Lot 1	IMW-33	Primary	10/13/2017	Lower	NA	<2.0	**230**	<40	<2.0	<2.0	<2.0	<2.0	<2.0	**3.2**
Lot 1	MW-25R	Primary	4/5/2017	Upper	NA	<1.0	**13**	<20	<1.0	***97***	<1.0	<1.0	**17**	<1.0
Lot 1	MW-25R	Primary	10/12/2017	Upper	NA	<1.0	**49**	<20	<1.0	***480***	<1.0	<1.0	***130***	***12***
Lot 1	MW-26	Primary	4/10/2017	Upper	NA	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 1	MW-26-D	Duplicate	4/10/2017	Upper	NA	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 1	MW-26	Primary	10/12/2017	Upper	NA	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 1	MW-26-D	Duplicate	10/12/2017	Upper	NA	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 1	MW-27	Primary	4/5/2017	Upper	NA	<0.5	2.8	<10	<0.5	<0.5	<0.5	<0.5	**5.4**	**0.7**
Lot 1	MW-27	Primary	10/12/2017	Upper	NA	<0.5	**48**	<10	<0.5	0.9	<0.5	1.3	**82**	***78***
Lot 1	MW-30	Primary	4/10/2017	Upper	NA	<0.5	3	<10	<0.5	<0.5	<0.5	<0.5	**6.2**	**0.9**
Lot 1	MW-30	Primary	10/16/2017	Upper	NA	<0.5	3.5	<10	<0.5	<0.5	<0.5	<0.5	**11**	**1.1**
Lot 1	MW-33	Primary	4/10/2017	Upper	NA	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	2.6	<0.5
Lot 1	MW-33-D	Duplicate	4/10/2017	Upper	NA	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	2.8	<0.5
Lot 1	MW-33	Primary	10/6/2017	Upper	NA	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	2.3	<0.5
Lot 1	PZ-11	Primary	4/10/2017	Upper	NA	<0.5	<0.5	<10	<0.5	0.7	<0.5	<0.5	**5.8**	<0.5
Lot 1	PZ-11-D	Duplicate	4/10/2017	Upper	NA	<0.5	<0.5	<10	<0.5	0.6	<0.5	<0.5	**5.6**	<0.5
Lot 1	PZ-11	Primary	10/12/2017	Upper	NA	<0.5	**150**	<10	<0.5	1.6	<0.5	**24**	**52**	***98***
Lot 1	PZ-11-D	Duplicate	10/12/2017	Upper	NA	<0.5	**150**	<10	<0.5	1.6	<0.5	**24**	**54**	***95***
Lot 1	PZ-12	Primary	4/10/2017	Upper	NA	<0.5	0.8	<10	<0.5	<0.5	<0.5	0.6	<0.5	***32***
Lot 1	PZ-12	Primary	10/12/2017	Upper	NA	<0.5	1.1	<10	<0.5	<0.5	0.8	1.3	<0.5	***84***
Lot 2	IMW-5	Primary	4/13/2017	Upper	NA	<0.5	**120**	<10	<0.5	<0.5	<0.5	0.8	<0.5	***26***
Lot 2	IMW-5	Primary	10/16/2017	Upper	NA	<0.5	**69**	<10	<0.5	<0.5	<0.5	<0.5	0.6	***14***
Lot 2	IMW-6	Primary	4/13/2017	Upper	NA	<0.5	**8.8**	<10	<0.5	1.3	<0.5	<0.5	4.6	**1**
Lot 2	IMW-6	Primary	10/10/2017	Upper	NA	<1.0	**7.9**	<20	<1.0	<1.0	<1.0	<1.0	3.2	<1.0
Lot 2	IMW-7	Primary	4/13/2017	Upper	NA	<0.5	3.2	<10	<0.5	<0.5	<0.5	<0.5	0.8	**0.7**
Lot 2	IMW-7	Primary	10/10/2017	Upper	NA	<1.0	1.2	<20	<1.0	<1.0	<1.0	<1.0	2.9	<1.0
Lot 2	IMW-7-D	Duplicate	10/10/2017	Upper	NA	<1.0	1.2	<20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Lot 2	IMW-8	Primary	4/13/2017	Upper	NA	<1.7	**230**	<33	<1.7	<1.7	<1.7	<1.7	**7.4**	***61***

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	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethene	1,2-dichlorobenzene	1,2-dichloroethane	1,2-dichloropropane	1,4-dichlorobenzene	2-chlorotoluene	2-hexanone	Acetone	Benzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane
						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)						**-**	**1.00E+00**	**5.00E+00**	**6.00E+00**	**6.00E+02**	**5.00E-01**	**5.00E+00**	**5.00E+00**	**-**	**-**	**-**	**1.00E+00**	**-**	**5.00E-01**	**7.00E+01**	**-**
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	-	3.70E+07	6.10E+01	7.60E+04	8.50E+00	1.10E+06	-
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	-	2.20E+08	4.40E+02	1.30E+06	1.60E+02	1.40E+05	-
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*	-	*7.90E+06*	*2.00E+01*	*1.60E+04*	*2.80E+00*	*2.50E+05*	-
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	-	-	-	3.60E+03	-	2.20E+02	1.10E+06	-
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	-	-	-	2.80E+04	-	1.80E+03	8.40E+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	-	-	-	1.10E+05	-	7.00E+03	3.40E+07	-
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	-	-	-	7.10E+01	-	4.40E+00	2.10E+04	-
Lot 2	IMW-8	Primary	10/16/2017	Upper	NA	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<33	<33	<1.7	<1.7	<1.7	<1.7	<3.3
Lot 2	IMW-22	Primary	4/13/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	**1**	<0.5	<0.5	<0.5	<10	<10	<0.5	0.6	<0.5	<0.5	<1.0
Lot 2	IMW-22	Primary	10/10/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	**0.9**	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 2	MW-24	Primary	4/13/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 2	MW-24	Primary	10/10/2017	Upper	NA	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<50	<2.5	<2.5	<2.5	<2.5	<5.0
Lot 2	MW-31	Primary	4/13/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	**1.4**	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 2	MW-31	Primary	10/16/2017	Upper	NA	<0.5	<0.5	<0.5	<0.5	<0.5	**2**	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 3	IMW-42	Primary	4/11/2017	Upper	UG of BAPB	<5.0	<5.0	6.9	<5.0	<5.0	20	<5.0	<5.0	<5.0	<100	<100	<5.0	<5.0	<5.0	11	<10
Lot 3	IMW-42	Primary	10/11/2017	Upper	UG of BAPB	<1.7	<1.7	8	<1.7	<1.7	43	<1.7	<1.7	<1.7	<33	<33	<1.7	<1.7	<1.7	15	<3.3
Lot 3	IMW-43	Primary	4/12/2017	Upper	UG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	0.5	<0.5	<0.5	<0.5	<1.0
Lot 3	IMW-43	Primary	10/11/2017	Upper	UG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 3	IMW-45	Primary	4/13/2017	Upper	UG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	18	1	2.7	<0.5	25	<1.0
Lot 3	IMW-45	Primary	10/11/2017	Upper	UG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	12	2.6	1.5	<0.5	37	<1.0
Lot 3	IMW-48	Primary	4/12/2017	Upper	UG of BAPB	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<140	460	<7.1	7.7	<7.1	120	<14
Lot 3	IMW-48	Primary	10/11/2017	Upper	UG of BAPB	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	73	280	2.9	5	<1.7	98	<3.3
Lot 3	IMW-50	Primary	4/14/2017	Upper	UG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	6.2	<1.0
Lot 3	IMW-50	Primary	10/6/2017	Upper	UG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	6	<1.0
Lot 3	IMW-57	Primary	4/14/2017	Upper	UG of BAPB	<3.1	<3.1	<3.1	<3.1	460	15	<3.1	17	<3.1	<63	<63	*170*	<3.1	<3.1	340	<6.3
Lot 3	IMW-57	Primary	10/6/2017	Upper	UG of BAPB	<3.1	<3.1	<3.1	<3.1	410	28	<3.1	17	<3.1	<63	<63	*72*	<3.1	<3.1	330	<6.3
Lot 3	IMW-58	Primary	4/12/2017	Upper	UG of BAPB	<1.0	<1.0	<1.0	<1.0	<1.0	5	<1.0	<1.0	<1.0	<20	<20	<1.0	<1.0	*96*	4.1	<2.0
Lot 3	IMW-58-D	Duplicate	4/12/2017	Upper	UG of BAPB	<1.0	<1.0	<1.0	<1.0	<1.0	4.8	<1.0	<1.0	<1.0	<20	<20	<1.0	<1.0	*95*	4.1	<2.0
Lot 3	IMW-58	Primary	10/12/2017	Upper	UG of BAPB	<1.0	<1.0	<1.0	<1.0	<1.0	24	<1.0	<1.0	<1.0	<20	<20	<1.0	<1.0	*590*	14	<2.0
Lot 3	IMW-58-D	Duplicate	10/12/2017	Upper	UG of BAPB	<1.0	<1.0	<1.0	<1.0	<1.0	24	<1.0	<1.0	<1.0	<20	<20	<1.0	<1.0	*530*	14	<2.0
Lot 3	IMW-59	Primary	4/13/2017	Upper	UG of BAPB	<0.5	<0.5	<0.5	<0.5	140	5.5	<0.5	2	<0.5	<10	<10	8.8	<0.5	<0.5	67	<1.0
Lot 3	IMW-59	Primary	10/9/2017	Upper	UG of BAPB	<1.0	<1.0	<1.0	<1.0	120	4.3	<1.0	1.7	<1.0	<20	<20	7.1	<1.0	<1.0	60	<2.0
Lot 3	IMW-60	Primary	4/13/2017	Upper	UG of BAPB	<0.5	<0.5	<0.5	<0.5	2.7	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 3	IMW-60	Primary	10/9/2017	Upper	UG of BAPB	<0.5	<0.5	<0.5	<0.5	45	5.2	<0.5	1.6	<0.5	<10	<10	<0.5	<0.5	<0.5	18	<1.0
Lot 3	IMW-61	Primary	4/13/2017	Upper	UG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	0.9	<1.0
Lot 3	IMW-61	Primary	10/9/2017	Upper	UG of BAPB	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	2.5	<1.0
Lot 3	IMW-62	Primary	4/13/2017	Upper	UG of BAPB	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<40	<40	<2.0	<2.0	<2.0	5.5	<4.0
Lot 3	IMW-62	Primary	10/9/2017	Upper	UG of BAPB	<2.5	<2.5	<2.5	8.6	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<50	3.6	<2.5	<2.5	14	<5.0
Lot 3	MW-1	Primary	4/6/2017	Upper	DG of BAPB	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<20	<1.0	<1.0	<1.0	<1.0	<2.0
Lot 3	MW-1	Primary	10/4/2017	Upper	DG of BAPB	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<20	<1.0	<1.0	<1.0	<1.0	<2.0
Lot 3	MW-2	Primary	4/11/2017	Upper	Immediately UG	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0

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)	Chloroform µg/L	cis-1,2-dichloroethene µg/L	Methyl Ethyl Ketone µg/L	Methyl Tertiary Butyl Ether µg/L	Tetrachloroethene µg/L	Toluene µg/L	trans-1,2-dichloroethene µg/L	Trichloroethene µg/L	Vinyl chloride µg/L
Drinking Water Standards Lots 1 and 2 (Upper and Lower Horizon)						**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)						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)						2.50E+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)						*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)						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)						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)						7.50E+05				1.40E+04	3.20E+08	2.20E+08	1.30E+05	8.40E+05
Storm-water Criteria, (Storm-water Outfalls)						4.70E+02				8.90E+00	2.00E+05	1.40E+05	8.10E+01	5.30E+02
Lot 2	IMW-8	Primary	10/16/2017	Upper	NA	<1.7	**160**	<33	<1.7	<1.7	<1.7	<1.7	3.5	***50***
Lot 2	IMW-22	Primary	4/13/2017	Upper	NA	<0.5	**9.4**	<10	<0.5	<0.5	<0.5	<0.5	<0.5	***5.3***
Lot 2	IMW-22	Primary	10/10/2017	Upper	NA	<0.5	**6.8**	<10	<0.5	<0.5	<0.5	<0.5	<0.5	***4***
Lot 2	MW-24	Primary	4/13/2017	Upper	NA	<0.5	<0.5	<10	<0.5	1.5	16	<0.5	<0.5	<0.5
Lot 2	MW-24	Primary	10/10/2017	Upper	NA	<2.5	<2.5	<50	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Lot 2	MW-31	Primary	4/13/2017	Upper	NA	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	**21**	<0.5
Lot 2	MW-31	Primary	10/16/2017	Upper	NA	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	**15**	<0.5
Lot 3	IMW-42	Primary	4/11/2017	Upper	UG of BAPB	<5.0	230	<100	<5.0	*180*	<5.0	<5.0	47	<5.0
Lot 3	IMW-42	Primary	10/11/2017	Upper	UG of BAPB	<1.7	280	<33	<1.7	*250*	<1.7	5	69	*2.1*
Lot 3	IMW-43	Primary	4/12/2017	Upper	UG of BAPB	<0.5	53	<10	<0.5	13	<0.5	<0.5	2.4	0.5
Lot 3	IMW-43	Primary	10/11/2017	Upper	UG of BAPB	<0.5	110	<10	<0.5	17	<0.5	1.1	7	*2.6*
Lot 3	IMW-45	Primary	4/13/2017	Upper	UG of BAPB	<0.5	6.8	<10	<0.5	7.5	<0.5	0.8	1.2	*2.6*
Lot 3	IMW-45	Primary	10/11/2017	Upper	UG of BAPB	<0.5	9.2	<10	<0.5	1.7	<0.5	1.8	11	*4.1*
Lot 3	IMW-48	Primary	4/12/2017	Upper	UG of BAPB	<7.1	<7.1	<140	<7.1	*73*	<7.1	<7.1	8.1	<7.1
Lot 3	IMW-48	Primary	10/11/2017	Upper	UG of BAPB	<1.7	8.1	40	<1.7	*60*	<1.7	<1.7	11	<1.7
Lot 3	IMW-50	Primary	4/14/2017	Upper	UG of BAPB	<0.5	45	<10	<0.5	<0.5	<0.5	1.5	<0.5	*7.2*
Lot 3	IMW-50	Primary	10/6/2017	Upper	UG of BAPB	<0.5	0.9	<10	<0.5	<0.5	<0.5	1.2	<0.5	<0.5
Lot 3	IMW-57	Primary	4/14/2017	Upper	UG of BAPB	<3.1	100	<63	<3.1	<3.1	4.5	<3.1	3.5	*85*
Lot 3	IMW-57	Primary	10/6/2017	Upper	UG of BAPB	<3.1	95	<63	<3.1	<3.1	3.7	<3.1	<3.1	*58*
Lot 3	IMW-58	Primary	4/12/2017	Upper	UG of BAPB	31	1.6	<20	<1.0	<1.0	<1.0	<1.0	33	<1.0
Lot 3	IMW-58-D	Duplicate	4/12/2017	Upper	UG of BAPB	30	1.5	<20	<1.0	<1.0	<1.0	<1.0	33	<1.0
Lot 3	IMW-58	Primary	10/12/2017	Upper	UG of BAPB	120	3	<20	<1.0	1	<1.0	<1.0	100	*1.3*
Lot 3	IMW-58-D	Duplicate	10/12/2017	Upper	UG of BAPB	120	2.9	<20	<1.0	1	<1.0	<1.0	110	*1.5*
Lot 3	IMW-59	Primary	4/13/2017	Upper	UG of BAPB	<0.5	9.6	<10	<0.5	0.7	<0.5	<0.5	5	*2*
Lot 3	IMW-59	Primary	10/9/2017	Upper	UG of BAPB	<1.0	11	<20	<1.0	<1.0	<1.0	<1.0	4.1	<1.0
Lot 3	IMW-60	Primary	4/13/2017	Upper	UG of BAPB	1.3	<0.5	<10	<0.5	8.6	<0.5	<0.5	1.3	<0.5
Lot 3	IMW-60	Primary	10/9/2017	Upper	UG of BAPB	<0.5	5.7	<10	<0.5	*23*	<0.5	<0.5	12	<0.5
Lot 3	IMW-61	Primary	4/13/2017	Upper	UG of BAPB	<0.5	0.5	<10	<0.5	<0.5	<0.5	<0.5	1.1	<0.5
Lot 3	IMW-61	Primary	10/9/2017	Upper	UG of BAPB	<0.5	2.1	<10	<0.5	<0.5	<0.5	<0.5	2.6	<0.5
Lot 3	IMW-62	Primary	4/13/2017	Upper	UG of BAPB	<2.0	300	<40	<2.0	*61*	<2.0	2.3	72	*43*
Lot 3	IMW-62	Primary	10/9/2017	Upper	UG of BAPB	<2.5	2,100	<50	<2.5	*91*	<2.5	15	*370*	*160*
Lot 3	MW-1	Primary	4/6/2017	Upper	DG of BAPB	<1.0	<1.0	<20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Lot 3	MW-1	Primary	10/4/2017	Upper	DG of BAPB	<1.0	<1.0	<20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Lot 3	MW-2	Primary	4/11/2017	Upper	Immediately UG	<0.5	7.9	<10	<0.5	<0.5	<0.5	<0.5	<0.5	*3*

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	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethene	1,2-dichlorobenzene	1,2-dichloroethane	1,2-dichloropropane	1,4-dichlorobenzene	2-chlorotoluene	2-hexanone	Acetone	Benzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane
						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)						**-**	**1.00E+00**	**5.00E+00**	**6.00E+00**	**6.00E+02**	**5.00E-01**	**5.00E+00**	**5.00E+00**	**-**	**-**	**-**	**1.00E+00**	**-**	**5.00E-01**	**7.00E+01**	**-**
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	-	3.70E+07	6.10E+01	7.60E+04	8.50E+00	1.10E+06	-
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	-	2.20E+08	4.40E+02	1.30E+06	1.60E+02	1.40E+05	-
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*	-	*7.90E+06*	*2.00E+01*	*1.60E+04*	*2.80E+00*	*2.50E+05*	-
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	-	-	-	3.60E+03	-	2.20E+02	1.10E+06	-
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	-	-	-	2.80E+04	-	1.80E+03	8.40E+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	-	-	-	1.10E+05	-	7.00E+03	3.40E+07	-
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	-	-	-	7.10E+01	-	4.40E+00	2.10E+04	-
Lot 3	MW-2	Primary	10/5/2017	Upper	Immediately UG	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 3	MW-3	Primary	4/6/2017	Upper	In BAPB	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<33	<33	<1.7	<1.7	<1.7	<1.7	<3.3
Lot 3	MW-3	Primary	10/4/2017	Upper	In BAPB	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<33	<33	<1.7	49	<1.7	<1.7	<3.3
Lot 3	MW-4	Primary	4/6/2017	Upper	DG of BAPB	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<100	<100	<5.0	<5.0	<5.0	<5.0	<10
Lot 3	MW-4-D	Duplicate	4/6/2017	Upper	DG of BAPB	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<20	<1.0	<1.0	<1.0	<1.0	<2.0
Lot 3	MW-4	Primary	10/4/2017	Upper	DG of BAPB	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<100	<100	<5.0	<5.0	<5.0	<5.0	<10
Lot 3	MW-5	Primary	4/6/2017	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 3	MW-5	Primary	10/4/2017	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 3	MW-6	Primary	4/11/2017	Upper	Immediately UG	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	2.1	<1.0
Lot 3	MW-6	Primary	10/5/2017	Upper	Immediately UG	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	1.4	<0.5	<0.5	1.9	<1.0
Lot 3	MW-7	Primary	4/6/2017	Upper	DG of BAPB	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	4	<2.5	<50	<50	<2.5	<2.5	<2.5	<2.5	<5.0
Lot 3	MW-7	Primary	10/4/2017	Upper	DG of BAPB	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	5.3	<2.5	<50	<50	<2.5	<2.5	<2.5	<2.5	<5.0
Lot 3	MW-8	Primary	4/7/2017	Upper	Immediately UG	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	2.1	<1.0
Lot 3	MW-8	Primary	10/5/2017	Upper	Immediately UG	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.4	<0.5	<10	<10	3.4	<0.5	<0.5	9.5	<1.0
Lot 3	MW-9	Primary	4/7/2017	Upper	In BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	0.6	<0.5	0.8	<1.0
Lot 3	MW-9	Primary	10/5/2017	Upper	In BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	1.6	<1.0
Lot 3	MW-10A	Primary	4/6/2017	Upper	DG of BAPB	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<20	<1.0	<1.0	<1.0	26	<2.0
Lot 3	MW-10A	Primary	10/4/2017	Upper	DG of BAPB	<1.0	3.4	<1.0	<1.0	<1.0	4.5	1.6	<1.0	<1.0	<20	<20	6	<1.0	<1.0	290	<2.0
Lot 3	MW-10B	Primary	4/6/2017	Lower	DG of BAPB	<0.5	4.3	<0.5	<0.5	<0.5	4.7	1.1	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	2.3	<1.0
Lot 3	MW-10B	Primary	10/4/2017	Lower	DG of BAPB	<8.3	12	<8.3	<8.3	<8.3	13	<8.3	<8.3	<8.3	<170	<170	35	<8.3	<8.3	810	<17
Lot 3	MW-11A	Primary	4/7/2017	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 3	MW-11A	Primary	10/4/2017	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	1.2	<1.0
Lot 3	MW-11B	Primary	4/7/2017	Lower	DG of BAPB	<25	<25	<25	<25	<25	<25	<25	<25	<25	<500	<500	<25	<25	<25	2,700	<50
Lot 3	MW-11B	Primary	10/4/2017	Lower	DG of BAPB	<25	<25	<25	<25	<25	42	<25	<25	<25	<500	<500	26	<25	<25	4,900	<50
Lot 3	MW-12	Primary	4/6/2017	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	2.2	<1.0
Lot 3	MW-12-D	Duplicate	4/6/2017	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	2.3	<1.0
Lot 3	MW-12	Primary	10/4/2017	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	2.5	<1.0
Lot 3	MW-12-D	Duplicate	10/4/2017	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	2.7	<1.0
Lot 3	MW-13	Primary	4/11/2017	Upper	Immediately UG	<1.7	<1.7	<1.7	<1.7	<1.7	3.5	<1.7	<1.7	<1.7	<33	<33	<1.7	<1.7	<1.7	190	<3.3
Lot 3	MW-13	Primary	10/5/2017	Upper	Immediately UG	<7.1	<7.1	<7.1	<7.1	<7.1	22	<7.1	<7.1	<7.1	<140	<140	<7.1	<7.1	<7.1	920	<14
Lot 3	MW-14	Primary	4/7/2017	Upper	In BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<10	<10	<0.5	3.7	<0.5	<0.5	<1.0
Lot 3	MW-14	Primary	10/5/2017	Upper	In BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<10	<10	0.6	<0.5	<0.5	23	<1.0
Lot 3	MW-15	Primary	4/7/2017	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 3	MW-15	Primary	10/5/2017	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	0.7	<1.0

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)	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
Drinking Water Standards Lots 1 and 2 (Upper and Lower Horizon)						**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)						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)						2.50E+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)						*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)						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)						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)						7.50E+05				1.40E+04	3.20E+08	2.20E+08	1.30E+05	8.40E+05
Storm-water Criteria, (Storm-water Outfalls)						4.70E+02				8.90E+00	2.00E+05	1.40E+05	8.10E+01	5.30E+02
Lot 3	MW-2	Primary	10/5/2017	Upper	Immediately UG	<0.5	11	<10	<0.5	<0.5	<0.5	<0.5	<0.5	1.2
Lot 3	MW-3	Primary	4/6/2017	Upper	In BAPB	<1.7	<1.7	<33	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
Lot 3	MW-3	Primary	10/4/2017	Upper	In BAPB	<1.7	<1.7	<33	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
Lot 3	MW-4	Primary	4/6/2017	Upper	DG of BAPB	<5.0	<5.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Lot 3	MW-4-D	Duplicate	4/6/2017	Upper	DG of BAPB	<1.0	4.4	<20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Lot 3	MW-4	Primary	10/4/2017	Upper	DG of BAPB	<5.0	5.5	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Lot 3	MW-5	Primary	4/6/2017	Upper	DG of BAPB	<0.5	12	<10	<0.5	<0.5	<0.5	<0.5	<0.5	0.7
Lot 3	MW-5	Primary	10/4/2017	Upper	DG of BAPB	<0.5	9.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-6	Primary	4/11/2017	Upper	Immediately UG	<0.5	23	<10	<0.5	<0.5	<0.5	0.9	0.6	0.7
Lot 3	MW-6	Primary	10/5/2017	Upper	Immediately UG	<0.5	33	<10	<0.5	<0.5	<0.5	3	1.7	*1.6*
Lot 3	MW-7	Primary	4/6/2017	Upper	DG of BAPB	<2.5	4	<50	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Lot 3	MW-7	Primary	10/4/2017	Upper	DG of BAPB	<2.5	5.9	<50	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Lot 3	MW-8	Primary	4/7/2017	Upper	Immediately UG	<0.5	4.6	<10	<0.5	1.1	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-8	Primary	10/5/2017	Upper	Immediately UG	<0.5	31	<10	<0.5	1.2	<0.5	1	5.3	0.5
Lot 3	MW-9	Primary	4/7/2017	Upper	In BAPB	<0.5	3.1	<10	<0.5	<0.5	<0.5	<0.5	1	<0.5
Lot 3	MW-9	Primary	10/5/2017	Upper	In BAPB	<0.5	7	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-10A	Primary	4/6/2017	Upper	DG of BAPB	<1.0	4.2	<20	<1.0	<1.0	<1.0	<1.0	7.7	<1.0
Lot 3	MW-10A	Primary	10/4/2017	Upper	DG of BAPB	<1.0	5.7	<20	<1.0	18	<1.0	1.4	28	<1.0
Lot 3	MW-10B	Primary	4/6/2017	Lower	DG of BAPB	42	1.1	<10	<0.5	15	<0.5	<0.5	9.2	<0.5
Lot 3	MW-10B	Primary	10/4/2017	Lower	DG of BAPB	140	<8.3	<170	<8.3	58	<8.3	<8.3	36	<8.3
Lot 3	MW-11A	Primary	4/7/2017	Upper	DG of BAPB	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-11A	Primary	10/4/2017	Upper	DG of BAPB	<0.5	4	<10	<0.5	0.9	<0.5	<0.5	5.3	<0.5
Lot 3	MW-11B	Primary	4/7/2017	Lower	DG of BAPB	<25	<25	<500	<25	47	<25	<25	32	<25
Lot 3	MW-11B	Primary	10/4/2017	Lower	DG of BAPB	<25	<25	<500	<25	36	<25	<25	31	<25
Lot 3	MW-12	Primary	4/6/2017	Upper	DG of BAPB	<0.5	0.9	<10	<0.5	0.5	<0.5	<0.5	1.1	<0.5
Lot 3	MW-12-D	Duplicate	4/6/2017	Upper	DG of BAPB	<0.5	0.9	<10	<0.5	<0.5	<0.5	<0.5	1.1	<0.5
Lot 3	MW-12	Primary	10/4/2017	Upper	DG of BAPB	<0.5	2.4	<10	<0.5	0.7	<0.5	<0.5	1.3	<0.5
Lot 3	MW-12-D	Duplicate	10/4/2017	Upper	DG of BAPB	<0.5	2.3	<10	<0.5	0.7	<0.5	<0.5	1.4	<0.5
Lot 3	MW-13	Primary	4/11/2017	Upper	Immediately UG	<1.7	12	<33	<1.7	28	<1.7	<1.7	30	<1.7
Lot 3	MW-13	Primary	10/5/2017	Upper	Immediately UG	<7.1	10	<140	<7.1	*160*	<7.1	<7.1	*160*	<7.1
Lot 3	MW-14	Primary	4/7/2017	Upper	In BAPB	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-14	Primary	10/5/2017	Upper	In BAPB	<0.5	6.1	<10	<0.5	<0.5	<0.5	<0.5	<0.5	*1.7*
Lot 3	MW-15	Primary	4/7/2017	Upper	DG of BAPB	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-15	Primary	10/5/2017	Upper	DG of BAPB	<0.5	0.7	<10	<0.5	<0.5	<0.5	<0.5	0.8	<0.5

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	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethene	1,2-dichlorobenzene	1,2-dichloroethane	1,2-dichloropropane	1,4-dichlorobenzene	2-chlorotoluene	2-hexanone	Acetone	Benzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane
						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)						**-**	**1.00E+00**	**5.00E+00**	**6.00E+00**	**6.00E+02**	**5.00E-01**	**5.00E+00**	**5.00E+00**	**-**	**-**	**-**	**1.00E+00**	**-**	**5.00E-01**	**7.00E+01**	**-**
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	-	3.70E+07	6.10E+01	7.60E+04	8.50E+00	1.10E+06	-
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	-	2.20E+08	4.40E+02	1.30E+06	1.60E+02	1.40E+05	-
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*	-	*7.90E+06*	*2.00E+01*	*1.60E+04*	*2.80E+00*	*2.50E+05*	-
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	-	-	-	3.60E+03	-	2.20E+02	1.10E+06	-
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	-	-	-	2.80E+04	-	1.80E+03	8.40E+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	-	-	-	1.10E+05	-	7.00E+03	3.40E+07	-
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	-	-	-	7.10E+01	-	4.40E+00	2.10E+04	-
Lot 3	MW-16A	Primary	4/7/2017	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	0.6	1.6	<0.5	0.9	<0.5	<10	<10	<0.5	<0.5	<0.5	14	<1.0
Lot 3	MW-16A	Primary	10/5/2017	Upper	DG of BAPB	<1.3	<1.3	<1.3	<1.3	6.7	19	<1.3	<1.3	<1.3	<25	<25	<1.3	<1.3	<1.3	120	<2.5
Lot 3	MW-16B	Primary	4/7/2017	Lower	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 3	MW-16B	Primary	10/5/2017	Lower	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 3	MW-17	Primary	4/14/2017	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	1.3	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 3	MW-17	Primary	10/5/2017	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	2.4	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 3	MW-18	Primary	4/12/2017	Upper	UG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 3	MW-18	Primary	10/11/2017	Upper	UG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	0.5	<0.5	<0.5	<1.0
Lot 3	MW-19	Primary	4/11/2017	Upper	UG of BAPB	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<100	<100	<5.0	<5.0	<5.0	5.6	<10
Lot 3	MW-19-D	Duplicate	4/11/2017	Upper	UG of BAPB	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<100	<100	<5.0	<5.0	<5.0	6.2	<10
Lot 3	MW-19	Primary	10/11/2017	Upper	UG of BAPB	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<40	<40	<2.0	<2.0	<2.0	5	7
Lot 3	MW-19-D	Duplicate	10/11/2017	Upper	UG of BAPB	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<40	<40	<2.0	<2.0	<2.0	4.9	7
Lot 3	MW-20	Primary	4/12/2017	Upper	UG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	37	<1.0
Lot 3	MW-20	Primary	10/11/2017	Upper	UG of BAPB	<3.6	<3.6	<3.6	<3.6	<3.6	4.8	<3.6	<3.6	<3.6	<71	<71	<3.6	<3.6	<3.6	3,400	<7.1
Lot 3	MW-21	Primary	4/12/2017	Upper	UG of BAPB	<2.0	<2.0	<2.0	<2.0	3.3	<2.0	<2.0	<2.0	<2.0	<40	<40	<2.0	<2.0	<2.0	4	<4.0
Lot 3	MW-21	Primary	10/10/2017	Upper	UG of BAPB	<2.0	<2.0	<2.0	<2.0	6.3	<2.0	<2.0	<2.0	<2.0	<40	<40	<2.0	<2.0	<2.0	5.7	<4.0
Lot 3	MW-22	Primary	4/12/2017	Upper	UG of BAPB	<4.2	<4.2	<4.2	<4.2	<4.2	92	<4.2	<4.2	<4.2	<83	<83	<4.2	<4.2	<4.2	160	<8.3
Lot 3	MW-22	Primary	10/12/2017	Upper	UG of BAPB	<4.2	<4.2	<4.2	<4.2	<4.2	100	<4.2	<4.2	<4.2	<83	<83	<4.2	<4.2	<4.2	200	<8.3
Lot 3	MW-23	Primary	4/12/2017	Upper	UG of BAPB	<0.5	<0.5	<0.5	0.5	<0.5	1.1	<0.5	<0.5	<0.5	<10	<10	1.1	<0.5	<0.5	15	<1.0
Lot 3	MW-23	Primary	10/11/2017	Upper	UG of BAPB	<0.5	<0.5	<0.5	0.6	<0.5	1.7	<0.5	<0.5	<0.5	<10	<10	2	<0.5	<0.5	34	<1.0
Lot 3	MW-28	Primary	4/6/2017	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	0.8	<0.5	<0.5	5.9	<1.0
Lot 3	MW-28	Primary	10/4/2017	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	1.6	<0.5	<0.5	7.7	<1.0
Lot 3	MW-29	Primary	4/11/2017	Upper	Immediately UG	<13	<13	<13	<13	<13	<13	<13	<13	<13	<250	<250	<13	<13	<13	99	<25
Lot 3	MW-29	Primary	10/5/2017	Upper	Immediately UG	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<33	<33	3.3	<1.7	<1.7	330	<3.3
Lot 3	MW-32A	Primary	4/11/2017	Upper	UG of BAPB	<5.0	61	<5.0	<5.0	<5.0	17	<5.0	<5.0	<5.0	<100	<100	<5.0	<5.0	<5.0	480	<10
Lot 3	MW-32A	Primary	10/11/2017	Upper	UG of BAPB	<5.0	61	<5.0	<5.0	<5.0	21	<5.0	<5.0	<5.0	<100	<100	5.2	<5.0	<5.0	540	<10
Lot 3	MW-32B	Primary	4/11/2017	Lower	UG of BAPB	<13	<13	<13	<13	<13	17	<13	<13	<13	<250	<250	<13	<13	<13	180	<25
Lot 3	MW-32B	Primary	10/11/2017	Lower	UG of BAPB	<13	<13	<13	<13	<13	46	<13	<13	<13	<250	<250	<13	<13	<13	1,300	<25
Lot 3	PZ-10	Primary	4/12/2017	Upper	UG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 3	PZ-10	Primary	10/10/2017	Upper	UG of BAPB	<0.5	<0.5	<0.5	<0.5	0.8	1.9	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 3	PZ-13	Primary	4/14/2017	Upper	UG of BAPB	<0.5	<0.5	<0.5	<0.5	3	0.9	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	1.9	<1.0
Lot 3	PZ-13-D	Duplicate	4/14/2017	Upper	UG of BAPB	<0.5	<0.5	<0.5	<0.5	3	0.9	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	1.8	<1.0
Lot 3	PZ-13	Primary	10/6/2017	Upper	UG of BAPB	<0.5	<0.5	<0.5	<0.5	3.4	1	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	2.3	<1.0
Lot 3	PZ-13-D	Duplicate	10/6/2017	Upper	UG of BAPB	<0.5	<0.5	<0.5	<0.5	2.8	1.1	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	2.1	<1.0

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)	Chloroform µg/L	cis-1,2-dichloroethene µg/L	Methyl Ethyl Ketone µg/L	Methyl Tertiary Butyl Ether µg/L	Tetrachloroethene µg/L	Toluene µg/L	trans-1,2-dichloroethene µg/L	Trichloroethene µg/L	Vinyl chloride µg/L
Drinking Water Standards Lots 1 and 2 (Upper and Lower Horizon)						**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)						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)						2.50E+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)						*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)						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)						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)						7.50E+05				1.40E+04	3.20E+08	2.20E+08	1.30E+05	8.40E+05
Storm-water Criteria, (Storm-water Outfalls)						4.70E+02				8.90E+00	2.00E+05	1.40E+05	8.10E+01	5.30E+02
Lot 3	MW-16A	Primary	4/7/2017	Upper	DG of BAPB	<0.5	3.8	<10	<0.5	1	<0.5	0.7	1	<0.5
Lot 3	MW-16A	Primary	10/5/2017	Upper	DG of BAPB	<1.3	20	<25	<1.3	*90*	<1.3	<1.3	61	<1.3
Lot 3	MW-16B	Primary	4/7/2017	Lower	DG of BAPB	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-16B	Primary	10/5/2017	Lower	DG of BAPB	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-17	Primary	4/14/2017	Upper	DG of BAPB	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-17	Primary	10/5/2017	Upper	DG of BAPB	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-18	Primary	4/12/2017	Upper	UG of BAPB	<0.5	<0.5	<10	<0.5	*54*	<0.5	<0.5	3.9	<0.5
Lot 3	MW-18	Primary	10/11/2017	Upper	UG of BAPB	<0.5	<0.5	<10	<0.5	*61*	<0.5	<0.5	2.9	<0.5
Lot 3	MW-19	Primary	4/11/2017	Upper	UG of BAPB	<5.0	160	<100	<5.0	*110*	<5.0	19	110	*260*
Lot 3	MW-19-D	Duplicate	4/11/2017	Upper	UG of BAPB	<5.0	210	<100	<5.0	*140*	<5.0	17	*150*	*260*
Lot 3	MW-19	Primary	10/11/2017	Upper	UG of BAPB	<2.0	110	<40	<2.0	24	<2.0	12	48	*340*
Lot 3	MW-19-D	Duplicate	10/11/2017	Upper	UG of BAPB	<2.0	78	<40	<2.0	28	<2.0	13	47	*320*
Lot 3	MW-20	Primary	4/12/2017	Upper	UG of BAPB	1.4	<0.5	<10	<0.5	<0.5	<0.5	<0.5	0.8	<0.5
Lot 3	MW-20	Primary	10/11/2017	Upper	UG of BAPB	8.9	22	<71	<3.6	9.7	<3.6	<3.6	33	<3.6
Lot 3	MW-21	Primary	4/12/2017	Upper	UG of BAPB	<2.0	20	<40	<2.0	*180*	<2.0	<2.0	30	<2.0
Lot 3	MW-21	Primary	10/10/2017	Upper	UG of BAPB	<2.0	42	<40	<2.0	*260*	<2.0	<2.0	57	<2.0
Lot 3	MW-22	Primary	4/12/2017	Upper	UG of BAPB	<4.2	7.6	<83	<4.2	5.7	<4.2	<4.2	*570*	*4.6*
Lot 3	MW-22	Primary	10/12/2017	Upper	UG of BAPB	<4.2	12	<83	<4.2	11	<4.2	<4.2	*670*	*5.2*
Lot 3	MW-23	Primary	4/12/2017	Upper	UG of BAPB	<0.5	3.8	<10	<0.5	8	<0.5	<0.5	8.3	<0.5
Lot 3	MW-23	Primary	10/11/2017	Upper	UG of BAPB	<0.5	6.6	<10	<0.5	5.3	<0.5	0.5	12	<0.5
Lot 3	MW-28	Primary	4/6/2017	Upper	DG of BAPB	<0.5	12	<10	<0.5	1.8	<0.5	0.8	6.9	<0.5
Lot 3	MW-28	Primary	10/4/2017	Upper	DG of BAPB	<0.5	18	<10	<0.5	1.5	<0.5	1.3	7.7	<0.5
Lot 3	MW-29	Primary	4/11/2017	Upper	Immediately UG	<13	<13	<250	<13	<13	<13	<13	<13	<13
Lot 3	MW-29	Primary	10/5/2017	Upper	Immediately UG	3.8	11	<33	<1.7	*55*	<1.7	<1.7	7.6	<1.7
Lot 3	MW-32A	Primary	4/11/2017	Upper	UG of BAPB	91	6.3	<100	<5.0	*350*	<5.0	<5.0	110	<5.0
Lot 3	MW-32A	Primary	10/11/2017	Upper	UG of BAPB	95	7.6	<100	<5.0	*430*	<5.0	<5.0	*150*	<5.0
Lot 3	MW-32B	Primary	4/11/2017	Lower	UG of BAPB	<13	<13	<250	<13	110	<13	<13	29	<13
Lot 3	MW-32B	Primary	10/11/2017	Lower	UG of BAPB	<13	<13	<250	<13	190	<13	<13	94	<13
Lot 3	PZ-10	Primary	4/12/2017	Upper	UG of BAPB	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	PZ-10	Primary	10/10/2017	Upper	UG of BAPB	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	PZ-13	Primary	4/14/2017	Upper	UG of BAPB	<0.5	2	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	PZ-13-D	Duplicate	4/14/2017	Upper	UG of BAPB	<0.5	2	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	PZ-13	Primary	10/6/2017	Upper	UG of BAPB	<0.5	3.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	PZ-13-D	Duplicate	10/6/2017	Upper	UG of BAPB	<0.5	3.7	<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

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	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethene	1,2-dichlorobenzene	1,2-dichloroethane	1,2-dichloropropane	1,4-dichlorobenzene	2-chlorotoluene	2-hexanone	Acetone	Benzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane
						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)						**-**	**1.00E+00**	**5.00E+00**	**6.00E+00**	**6.00E+02**	**5.00E-01**	**5.00E+00**	**5.00E+00**	**-**	**-**	**-**	**1.00E+00**	**-**	**5.00E-01**	**7.00E+01**	**-**
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	-	3.70E+07	6.10E+01	7.60E+04	8.50E+00	1.10E+06	-
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	-	2.20E+08	4.40E+02	1.30E+06	1.60E+02	1.40E+05	-
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*	-	*7.90E+06*	*2.00E+01*	*1.60E+04*	*2.80E+00*	*2.50E+05*	-
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	-	-	-	3.60E+03	-	2.20E+02	1.10E+06	-
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	-	-	-	2.80E+04	-	1.80E+03	8.40E+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	-	-	-	1.10E+05	-	7.00E+03	3.40E+07	-
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	-	-	-	7.10E+01	-	4.40E+00	2.10E+04	-
Lot 3	PZ-14	Primary	4/14/2017	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	1.6	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 3	PZ-14	Primary	10/5/2017	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	1.8	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 3	PZ-15	Primary	4/14/2017	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	1.8	1.5	<0.5	<0.5	<0.5	<10	<10	0.8	<0.5	<0.5	60	<1.0
Lot 3	PZ-15	Primary	10/6/2017	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	2.7	1.7	<0.5	<0.5	<0.5	<10	<10	<0.5	0.9	<0.5	82	<1.0
Lot 3	PZ-16	Primary	4/14/2017	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Lot 3	PZ-16	Primary	10/6/2017	Upper	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Storm Water	001-020917	Primary	2/9/2017	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<20	<1.0	<1.0	<1.0	<1.0	<2.0
Storm Water	002-010317	Primary	1/3/2017	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Storm Water	002-020217	Primary	2/2/2017	NA	NA	<0.5	<0.5	<0.5	<0.5	0.6	0.6	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	1.1	<1.0
Storm Water	002-032117	Primary	3/21/2017	NA	NA	<0.5	<0.5	<0.5	<0.5	0.9	1.6	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Storm Water	002-040717	Primary	4/7/2017	NA	NA	<0.5	<0.5	<0.5	<0.5	0.7	0.7	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	2.2	<1.0
Storm Water	002-110917	Primary	11/9/2017	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Storm Water	003-010317	Primary	1/3/2017	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
Storm Water	003-020417	Primary	2/4/2017	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	<0.5	<1.0
UC BGC	MW-34	Primary	4/4/2017	Upper, offsite	Immediately UG	<0.5	<0.5	<0.5	<0.5	<0.5	1.7	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	43	<1.0
UC BGC	MW-34	Primary	10/3/2017	Upper, offsite	Immediately UG	<0.5	<0.5	<0.5	<0.5	<0.5	1.4	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	21	<1.0
UC BGC	MW-36	Primary	4/4/2017	Upper, offsite	DG of BAPB	<1.7	<1.7	<1.7	<1.7	<1.7	2.9	<1.7	<1.7	<1.7	<33	<33	<1.7	<1.7	<1.7	220	<3.3
UC BGC	MW-36	Primary	10/3/2017	Upper, offsite	DG of BAPB	<1.7	<1.7	<1.7	<1.7	<1.7	3.8	<1.7	<1.7	<1.7	<33	<33	<1.7	<1.7	<1.7	260	<3.3
UC BGC	MW-40	Primary	4/4/2017	Upper, offsite	In BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	1.6	<0.5	<0.5	35	<1.0
UC BGC	MW-40	Primary	10/3/2017	Upper, offsite	In BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	1.5	<0.5	<0.5	31	<1.0
UC BGC	MW-41	Primary	4/4/2017	Upper, offsite	In BAPB	<1.7	<1.7	<1.7	<1.7	<1.7	11	<1.7	<1.7	<1.7	<33	<33	<1.7	<1.7	<1.7	220	<3.3
UC BGC	MW-41	Primary	10/3/2017	Upper, offsite	In BAPB	<1.7	<1.7	<1.7	<1.7	<1.7	18	<1.7	<1.7	<1.7	<33	<33	<1.7	<1.7	<1.7	280	<3.3
UC BGC	MW-42	Primary	4/4/2017	Upper, offsite	Immediately UG	<6.3	<6.3	<6.3	<6.3	<6.3	30	<6.3	<6.3	<6.3	<130	<130	<6.3	<6.3	<6.3	1,000	<13
UC BGC	MW-42-D	Duplicate	4/4/2017	Upper, offsite	Immediately UG	<6.3	<6.3	<6.3	<6.3	<6.3	29	<6.3	<6.3	<6.3	<130	<130	<6.3	<6.3	<6.3	980	<13
UC BGC	MW-42	Primary	10/3/2017	Upper, offsite	Immediately UG	<7.1	<7.1	<7.1	<7.1	<7.1	31	<7.1	<7.1	<7.1	<140	<140	<7.1	<7.1	<7.1	870	<14
UC BGC	MW-42-D	Duplicate	10/3/2017	Upper, offsite	Immediately UG	<7.1	<7.1	<7.1	<7.1	<7.1	31	<7.1	<7.1	<7.1	<140	<140	<7.1	<7.1	<7.1	870	<14
UC BGC	MW-43	Primary	4/4/2017	Upper, offsite	DG of BAPB	<10	<10	<10	<10	<10	57	<10	<10	<10	<200	<200	<10	<10	<10	1,300	<20
UC BGC	MW-43	Primary	10/3/2017	Upper, offsite	DG of BAPB	<8.3	<8.3	<8.3	<8.3	<8.3	60	<8.3	<8.3	<8.3	<170	<170	<8.3	<8.3	<8.3	1,200	<17
UC BGC	MW-44	Primary	4/4/2017	Upper, offsite	Immediately UG	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	1.1	<1.0
UC BGC	MW-44	Primary	10/3/2017	Upper, offsite	Immediately UG	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	0.9	<1.0
UC BGC	MW-45	Primary	4/4/2017	Upper, offsite	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	3.8	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	11	<1.0
UC BGC	MW-45	Primary	10/3/2017	Upper, offsite	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	3.8	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	12	<1.0
UC BGC	MW-46	Primary	4/4/2017	Upper, offsite	DG of BAPB	<1.7	<1.7	<1.7	<1.7	<1.7	4.2	<1.7	<1.7	<1.7	<33	<33	<1.7	<1.7	<1.7	250	<3.3
UC BGC	MW-46	Primary	10/3/2017	Upper, offsite	DG of BAPB	<1.7	<1.7	<1.7	<1.7	<1.7	4.5	<1.7	<1.7	<1.7	<33	<33	<1.7	<1.7	<1.7	230	<3.3

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)	Chloroform µg/L	cis-1,2-dichloroethene µg/L	Methyl Ethyl Ketone µg/L	Methyl Tertiary Butyl Ether µg/L	Tetrachloroethene µg/L	Toluene µg/L	trans-1,2-dichloroethene µg/L	Trichloroethene µg/L	Vinyl chloride µg/L
Drinking Water Standards Lots 1 and 2 (Upper and Lower Horizon)						**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)						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)						2.50E+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)						*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)						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)						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)						7.50E+05				1.40E+04	3.20E+08	2.20E+08	1.30E+05	8.40E+05
Storm-water Criteria, (Storm-water Outfalls)						4.70E+02				8.90E+00	2.00E+05	1.40E+05	8.10E+01	5.30E+02
Lot 3	PZ-14	Primary	4/14/2017	Upper	DG of BAPB	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	PZ-14	Primary	10/5/2017	Upper	DG of BAPB	<0.5	0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	PZ-15	Primary	4/14/2017	Upper	DG of BAPB	<0.5	11	<10	<0.5	<0.5	<0.5	0.8	1	<0.5
Lot 3	PZ-15	Primary	10/6/2017	Upper	DG of BAPB	<0.5	9.4	<10	<0.5	<0.5	<0.5	0.8	0.8	<0.5
Lot 3	PZ-16	Primary	4/14/2017	Upper	DG of BAPB	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	PZ-16	Primary	10/6/2017	Upper	DG of BAPB	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Storm Water	001-020917	Primary	2/9/2017	NA	NA	<1.0	<1.0	<20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Storm Water	002-010317	Primary	1/3/2017	NA	NA	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Storm Water	002-020217	Primary	2/2/2017	NA	NA	<0.5	0.7	<10	<0.5	<0.5	<0.5	<0.5	0.7	<0.5
Storm Water	002-032117	Primary	3/21/2017	NA	NA	<0.5	0.9	<10	<0.5	<0.5	<0.5	<0.5	0.6	<0.5
Storm Water	002-040717	Primary	4/7/2017	NA	NA	<0.5	0.6	<10	<0.5	<0.5	<0.5	<0.5	0.5	<0.5
Storm Water	002-110917	Primary	11/9/2017	NA	NA	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Storm Water	003-010317	Primary	1/3/2017	NA	NA	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Storm Water	003-020417	Primary	2/4/2017	NA	NA	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
UC BGC	MW-34	Primary	4/4/2017	Upper, offsite	Immediately UG	0.5	2	<10	<0.5	9.4	<0.5	<0.5	25	<0.5
UC BGC	MW-34	Primary	10/3/2017	Upper, offsite	Immediately UG	<0.5	1.9	<10	<0.5	5.9	<0.5	<0.5	20	<0.5
UC BGC	MW-36	Primary	4/4/2017	Upper, offsite	DG of BAPB	<1.7	5.1	<33	<1.7	9.3	<1.7	<1.7	14	<1.7
UC BGC	MW-36	Primary	10/3/2017	Upper, offsite	DG of BAPB	<1.7	5.8	<33	<1.7	17	<1.7	<1.7	23	<1.7
UC BGC	MW-40	Primary	4/4/2017	Upper, offsite	In BAPB	<0.5	1.1	<10	<0.5	<0.5	0.6	<0.5	<0.5	3.8
UC BGC	MW-40	Primary	10/3/2017	Upper, offsite	In BAPB	<0.5	<0.5	<10	<0.5	<0.5	0.6	<0.5	<0.5	<0.5
UC BGC	MW-41	Primary	4/4/2017	Upper, offsite	In BAPB	<1.7	42	<33	<1.7	220	<1.7	<1.7	140	1.7
UC BGC	MW-41	Primary	10/3/2017	Upper, offsite	In BAPB	<1.7	49	<33	<1.7	320	<1.7	<1.7	150	1.9
UC BGC	MW-42	Primary	4/4/2017	Upper, offsite	Immediately UG	17	7.6	<130	<6.3	970	<6.3	<6.3	190	<6.3
UC BGC	MW-42-D	Duplicate	4/4/2017	Upper, offsite	Immediately UG	17	7.3	<130	<6.3	920	<6.3	<6.3	190	<6.3
UC BGC	MW-42	Primary	10/3/2017	Upper, offsite	Immediately UG	18	8.4	<140	<7.1	810	<7.1	<7.1	180	<7.1
UC BGC	MW-42-D	Duplicate	10/3/2017	Upper, offsite	Immediately UG	19	7.7	<140	<7.1	830	<7.1	<7.1	180	<7.1
UC BGC	MW-43	Primary	4/4/2017	Upper, offsite	DG of BAPB	26	37	<200	<10	440	<10	<10	200	<10
UC BGC	MW-43	Primary	10/3/2017	Upper, offsite	DG of BAPB	26	41	<170	<8.3	490	<8.3	<8.3	200	<8.3
UC BGC	MW-44	Primary	4/4/2017	Upper, offsite	Immediately UG	<0.5	0.5	<10	0.5	<0.5	<0.5	<0.5	0.6	<0.5
UC BGC	MW-44	Primary	10/3/2017	Upper, offsite	Immediately UG	<0.5	0.7	<10	<0.5	<0.5	<0.5	<0.5	0.7	<0.5
UC BGC	MW-45	Primary	4/4/2017	Upper, offsite	DG of BAPB	<0.5	31	<10	<0.5	2.8	<0.5	<0.5	27	<0.5
UC BGC	MW-45	Primary	10/3/2017	Upper, offsite	DG of BAPB	<0.5	28	<10	<0.5	2.9	<0.5	<0.5	30	<0.5
UC BGC	MW-46	Primary	4/4/2017	Upper, offsite	DG of BAPB	1.7	2.9	<33	<1.7	22	<1.7	<1.7	21	<1.7
UC BGC	MW-46	Primary	10/3/2017	Upper, offsite	DG of BAPB	<1.7	4.9	<33	<1.7	21	<1.7	<1.7	20	<1.7

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	Field ID	Sample Type	Sampled Date	Sample Horizon	Sample Location Relative to BAPB (Applicable to Lot 3 Wells Only)	Antimony µg/L	Arsenic µg/L	Barium µg/L	Beryllium µg/L	Cadmium µg/L	Chromium (III+VI) µg/L	Cobalt µg/L	Copper µg/L	Lead µg/L	Mercury µg/L	Molybdenum µg/L	Nickel µg/L	Selenium µg/L	Silver µg/L	Thallium µg/L	Vanadium µg/L	Zinc 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	Primary	4/14/2017	Upper, offsite	NA	<10	<10	150	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	<5.0	<10	22	<20
DTSC Harborfront	DTSC-MW-2	Primary	10/6/2017	Upper, offsite	NA	<10	<10	150	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	<5.0	<10	<5.0	<20
Lot 1	IMW-1	Primary	4/10/2017	Upper	NA	-	**37**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 1	IMW-1	Primary	10/16/2017	Upper	NA	-	**36**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 1	IMW-2	Primary	4/10/2017	Upper	NA	-	**50**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 1	IMW-2	Primary	10/16/2017	Upper	NA	-	**43**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 1	IMW-3	Primary	4/10/2017	Upper	NA	-	**38**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 1	IMW-3	Primary	10/16/2017	Upper	NA	-	**31**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 1	IMW-4	Primary	4/10/2017	Upper	NA	-	**32**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 1	IMW-4	Primary	10/16/2017	Upper	NA	-	**41**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 1	IMW-23	Primary	4/10/2017	Upper	NA	<10	<10	19	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	91	<10	<5.0	<10	17	150
Lot 1	IMW-23	Primary	10/12/2017	Upper	NA	<10	<10	20	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	65	<10	6.3	<10	59	74
Lot 1	IMW-27	Primary	4/5/2017	Upper	NA	<10	<10	25	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	13	<10	<5.0	<10	14	<20
Lot 1	IMW-27	Primary	10/12/2017	Upper	NA	<10	<10	21	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	12	<10	5.2	<10	60	<20
Lot 1	IMW-28	Primary	4/5/2017	Upper	NA	<10	**13**	19	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	7.4	24	<10	<5.0	<10	13	<20
Lot 1	IMW-28	Primary	10/12/2017	Upper	NA	<10	<10	27	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	7.3	28	<10	7	<10	58	<20
Lot 1	IMW-29	Primary	4/5/2017	Lower	NA	<10	**42**	150	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	<5.0	<10	16	<20
Lot 1	IMW-29	Primary	10/12/2017	Lower	NA	<10	**34**	210	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	6	<10	6.2	<10	59	<20
Lot 1	MW-25R	Primary	4/5/2017	Upper	NA	<10	<10	23	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	<5.0	<10	15	<20
Lot 1	MW-25R	Primary	10/12/2017	Upper	NA	<10	<10	28	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	8.3	<10	5.9	<10	62	<20
Lot 1	MW-26	Primary	4/10/2017	Upper	NA	<10	<10	54	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	<5.0	<10	22	<20
Lot 1	MW-26-D	Duplicate	4/10/2017	Upper	NA	<10	<10	55	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	<5.0	<10	21	79
Lot 1	MW-26	Primary	10/12/2017	Upper	NA	<10	<10	44	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	<5.0	<10	48	<20
Lot 1	MW-26-D	Duplicate	10/12/2017	Upper	NA	<10	<10	46	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	<5.0	<10	49	<20
Lot 1	MW-27	Primary	4/5/2017	Upper	NA	<10	<10	36	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	12	<10	<5.0	<10	21	<20
Lot 1	MW-27	Primary	10/12/2017	Upper	NA	<10	<10	46	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	16	<10	5.8	<10	56	<20
Lot 1	MW-30	Primary	4/10/2017	Upper	NA	<10	**34**	130	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	5.7	5.1	<10	<5.0	<10	14	<20
Lot 1	MW-30	Primary	10/16/2017	Upper	NA	<10	**23**	150	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	5	<5.0	<10	<5.0	<10	48	<20
Lot 1	MW-33	Primary	4/10/2017	Upper	NA	<10	<10	61	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	<5.0	<10	21	<20
Lot 1	MW-33-D	Duplicate	4/10/2017	Upper	NA	<10	<10	60	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	<5.0	<10	20	<20
Lot 1	MW-33	Primary	10/6/2017	Upper	NA	<10	<10	58	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	<5.0	<10	<5.0	<20
Lot 1	PZ-11	Primary	4/10/2017	Upper	NA	<10	**12**	19	<2.0	**9**	<5.0	<5.0	400	<5.0	<0.20	<5.0	**790**	<10	<5.0	<10	17	3,300
Lot 1	PZ-11-D	Duplicate	4/10/2017	Upper	NA	<10	<10	17	<2.0	**8.6**	<5.0	<5.0	390	<5.0	<0.20	<5.0	**760**	<10	<5.0	<10	14	3,200
Lot 1	PZ-11	Primary	10/12/2017	Upper	NA	<10	<10	15	<2.0	<5.0	<5.0	<5.0	29	<5.0	<0.20	7.5	**310**	<10	11	<10	70	690
Lot 1	PZ-11-D	Duplicate	10/12/2017	Upper	NA	<10	<10	16	<2.0	<5.0	<5.0	<5.0	23	<5.0	<0.20	7.9	**320**	<10	11	<10	74	700
Lot 1	PZ-12	Primary	4/10/2017	Upper	NA	<10	**17**	170	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	5.6	<5.0	<10	<5.0	<10	18	<20
Lot 1	PZ-12	Primary	10/12/2017	Upper	NA	<10	**14**	230	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	5.5	<10	53	<20
Lot 2	IMW-5	Primary	4/13/2017	Upper	NA	-	**25**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 2	IMW-5	Primary	10/16/2017	Upper	NA	-	**15**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 2	IMW-6	Primary	4/13/2017	Upper	NA	-	**23**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 2	IMW-6	Primary	10/10/2017	Upper	NA	-	**18**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 2	IMW-7	Primary	4/13/2017	Upper	NA	-	**10**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 2	IMW-7	Primary	10/10/2017	Upper	NA	-	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 2	IMW-7-D	Duplicate	10/10/2017	Upper	NA	-	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 2	IMW-8	Primary	4/13/2017	Upper	NA	-	**68**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 2	IMW-8	Primary	10/16/2017	Upper	NA	-	**64**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 2	IMW-22	Primary	4/13/2017	Upper	NA	-	**11**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 2	IMW-22	Primary	10/10/2017	Upper	NA	-	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 4
Sampling Analytical Results
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)	Antimony µg/L	Arsenic µg/L	Barium µg/L	Beryllium µg/L	Cadmium µg/L	Chromium (III+VI) µg/L	Cobalt µg/L	Copper µg/L	Lead µg/L	Mercury µg/L	Molybdenum µg/L	Nickel µg/L	Selenium µg/L	Silver µg/L	Thallium µg/L	Vanadium µg/L	Zinc 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 2	MW-24	Primary	4/13/2017	Upper	NA	<10	**11**	96	<2.0	<5.0	16	<5.0	22	<5.0	<0.20	41	<5.0	16	<5.0	<10	42	<20
Lot 2	MW-24	Primary	10/10/2017	Upper	NA	<10	<10	70	<2.0	<5.0	<5.0	<5.0	18	<5.0	<0.20	37	<5.0	<10	<5.0	<10	45	<20
Lot 2	MW-31	Primary	4/13/2017	Upper	NA	<10	<10	120	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	<5.0	<10	22	<20
Lot 2	MW-31	Primary	10/16/2017	Upper	NA	<10	<10	120	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	<5.0	<10	48	<20
Lot 3	IMW-42	Primary	4/11/2017	Upper	UG of BAPB	<10	<10	30	3.1	<5.0	<5.0	120	<5.0	38	<0.20	<5.0	400	<10	<5.0	<10	160	910
Lot 3	IMW-42	Primary	10/11/2017	Upper	UG of BAPB	<10	17	19	<2.0	<5.0	<5.0	110	<5.0	90	<0.20	13	400	<10	25	<10	190	1,000
Lot 3	IMW-43	Primary	4/12/2017	Upper	UG of BAPB	<10	<10	41	<2.0	<5.0	<5.0	44	<5.0	17	<0.20	<5.0	29	13	<5.0	<10	100	3,700
Lot 3	IMW-43	Primary	10/11/2017	Upper	UG of BAPB	<10	<10	52	<2.0	<5.0	<5.0	<5.0	<5.0	13	<0.20	6.2	13	<10	14	<10	87	20
Lot 3	IMW-45	Primary	4/13/2017	Upper	UG of BAPB	<10	16	38	<2.0	<5.0	18	<5.0	<5.0	<5.0	<0.20	<5.0	17	<10	22	<10	37	<20
Lot 3	IMW-45	Primary	10/11/2017	Upper	UG of BAPB	<10	<10	45	<2.0	<5.0	17	<5.0	<5.0	<5.0	<0.20	<5.0	7.5	21	19	<10	77	<20
Lot 3	IMW-48	Primary	4/12/2017	Upper	UG of BAPB	<10	<10	20	4.3	31	41	1,200	10,000	<5.0	<0.20	<5.0	1,400	<10	39	<10	47	13,000
Lot 3	IMW-48	Primary	10/11/2017	Upper	UG of BAPB	<10	<10	6	<2.0	<5.0	38	150	<5.0	12	<0.20	<5.0	86	42	28	<10	77	24
Lot 3	IMW-50	Primary	4/14/2017	Upper	UG of BAPB	<10	36	340	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	<5.0	<10	17	<20
Lot 3	IMW-50	Primary	10/6/2017	Upper	UG of BAPB	<10	12	340	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	8.5	<10	<5.0	<20
Lot 3	IMW-57	Primary	4/14/2017	Upper	UG of BAPB	<10	<10	87	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	<5.0	<10	23	<20
Lot 3	IMW-57	Primary	10/6/2017	Upper	UG of BAPB	<10	15	85	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	7.7	<10	8.4	<10	<5.0	<20
Lot 3	MW-1	Primary	4/6/2017	Upper	DG of BAPB	<10	89	18	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	8.3	<5.0	<10	<5.0	<10	18	<20
Lot 3	MW-1	Primary	10/4/2017	Upper	DG of BAPB	<10	24	25	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	8.1	<5.0	<10	<5.0	<10	<5.0	<20
Lot 3	MW-2	Primary	4/11/2017	Upper	Immediately UG	<10	20	49	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	8.1	7	<10	6.4	<10	15	<20
Lot 3	MW-2	Primary	10/5/2017	Upper	Immediately UG	<10	140	39	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	8.6	6.7	<10	15	<10	<5.0	26
Lot 3	MW-3	Primary	4/6/2017	Upper	In BAPB	<10	15	150	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	9.8	<10	14	<20
Lot 3	MW-3	Primary	10/4/2017	Upper	In BAPB	<10	<10	250	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	7	<5.0	<10	11	<10	<5.0	<20
Lot 3	MW-4	Primary	4/6/2017	Upper	DG of BAPB	<10	85	92	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	5.6	<5.0	<10	9.2	<10	23	<20
Lot 3	MW-4-D	Duplicate	4/6/2017	Upper	DG of BAPB	<10	80	86	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	9.3	<10	21	<20
Lot 3	MW-4	Primary	10/4/2017	Upper	DG of BAPB	<10	400	54	<2.0	10	<5.0	<5.0	<5.0	<5.0	<0.20	6.9	7.4	<10	15	<10	<5.0	22
Lot 3	MW-5	Primary	4/6/2017	Upper	DG of BAPB	<10	230	20	<2.0	5.7	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	6.6	<10	24	<20
Lot 3	MW-5	Primary	10/4/2017	Upper	DG of BAPB	<10	250	22	<2.0	6.5	<5.0	<5.0	<5.0	<5.0	<0.20	6.3	<5.0	<10	11	<10	<5.0	<20
Lot 3	MW-6	Primary	4/11/2017	Upper	Immediately UG	<10	350	41	<2.0	9.4	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	<5.0	<10	23	<20
Lot 3	MW-6	Primary	10/5/2017	Upper	Immediately UG	<10	930	30	<2.0	24	<5.0	<5.0	<5.0	<5.0	<0.20	6.4	15	<10	12	<10	<5.0	<20
Lot 3	MW-7	Primary	4/6/2017	Upper	DG of BAPB	<10	53	32	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	7	<10	10	<10	20	<20
Lot 3	MW-7	Primary	10/4/2017	Upper	DG of BAPB	<10	55	32	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	7.3	8.3	<10	12	<10	<5.0	<20
Lot 3	MW-8	Primary	4/7/2017	Upper	Immediately UG	<10	70	75	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	5	<10	21	20
Lot 3	MW-8	Primary	10/5/2017	Upper	Immediately UG	<10	80	21	<2.0	<5.0	<5.0	<5.0	<5.0	16	<0.20	<5.0	13	<10	11	<10	9.4	240
Lot 3	MW-9	Primary	4/7/2017	Upper	In BAPB	<10	460	49	<2.0	11	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	<5.0	<10	19	<20
Lot 3	MW-9	Primary	10/5/2017	Upper	In BAPB	<10	230	120	<2.0	6.8	<5.0	<5.0	<5.0	<5.0	<0.20	7.5	<5.0	<10	7.1	<10	<5.0	<20
Lot 3	MW-10A	Primary	4/6/2017	Upper	DG of BAPB	<10	180	28	<2.0	5.5	<5.0	34	<5.0	<5.0	<0.20	<5.0	69	<10	<5.0	<10	36	500
Lot 3	MW-10A	Primary	10/4/2017	Upper	DG of BAPB	<10	29	21	<2.0	<5.0	9	95	<5.0	<5.0	<0.20	<5.0	330	15	22	<10	<5.0	460
Lot 3	MW-10B	Primary	4/6/2017	Lower	DG of BAPB	<10	24	18	4	98	29	660	2,900	<5.0	<0.20	5.4	1,700	<10	29	<10	28	26,000
Lot 3	MW-10B	Primary	10/4/2017	Lower	DG of BAPB	<10	17	19	3.2	65	13	380	940	<5.0	0.23	<5.0	870	18	24	<10	<5.0	9,000
Lot 3	MW-11A	Primary	4/7/2017	Upper	DG of BAPB	<10	15	54	<2.0	6	<5.0	<5.0	61	<5.0	<0.20	10	5.7	<10	<5.0	<10	13	300
Lot 3	MW-11A	Primary	10/4/2017	Upper	DG of BAPB	<10	28	54	<2.0	11	<5.0	<5.0	51	<5.0	<0.20	9.4	15	<10	9.9	<10	<5.0	1,100
Lot 3	MW-11B	Primary	4/7/2017	Lower	DG of BAPB	<10	21	15	<2.0	22	10	120	330	<5.0	<0.20	<5.0	270	<10	17	<10	22	3,900
Lot 3	MW-11B	Primary	10/4/2017	Lower	DG of BAPB	<10	15	18	<2.0	15	<5.0	65	45	<5.0	<0.20	<5.0	110	<10	22	<10	<5.0	950
Lot 3	MW-12	Primary	4/6/2017	Upper	DG of BAPB	<10	12	54	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	<5.0	<10	19	260
Lot 3	MW-12-D	Duplicate	4/6/2017	Upper	DG of BAPB	<10	13	51	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	<5.0	<10	19	260
Lot 3	MW-12	Primary	10/4/2017	Upper	DG of BAPB	<10	23	52	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	6.4	9.2	<10	7.8	<10	<5.0	390
Lot 3	MW-12-D	Duplicate	10/4/2017	Upper	DG of BAPB	<10	23	51	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	6.4	8.7	<10	7.8	<10	<5.0	390
Lot 3	MW-13	Primary	4/11/2017	Upper	Immediately UG	<10	<10	32	<2.0	<5.0	<5.0	34	<5.0	<5.0	<0.20	<5.0	79	10	<5.0	<10	21	1,300

Table 4
Sampling Analytical Results
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)	Antimony µg/L	Arsenic µg/L	Barium µg/L	Beryllium µg/L	Cadmium µg/L	Chromium (III+VI) µg/L	Cobalt µg/L	Copper µg/L	Lead µg/L	Mercury µg/L	Molybdenum µg/L	Nickel µg/L	Selenium µg/L	Silver µg/L	Thallium µg/L	Vanadium µg/L	Zinc 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-13	Primary	10/5/2017	Upper	Immediately UG	<10	21	16	12	52	<5.0	270	240	13	<0.20	<5.0	630	<10	13	<10	32	22,000
Lot 3	MW-14	Primary	4/7/2017	Upper	In BAPB	<10	24	39	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	5.5	<5.0	<10	<5.0	<10	16	<20
Lot 3	MW-14	Primary	10/5/2017	Upper	In BAPB	<10	21	140	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	15	<5.0	<10	8.3	<10	<5.0	<20
Lot 3	MW-15	Primary	4/7/2017	Upper	DG of BAPB	<10	22	35	<2.0	11	<5.0	<5.0	88	<5.0	<0.20	6.1	7.8	<10	<5.0	<10	14	530
Lot 3	MW-15	Primary	10/5/2017	Upper	DG of BAPB	<10	25	44	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	12	<5.0	<10	7.4	<10	<5.0	26
Lot 3	MW-16A	Primary	4/7/2017	Upper	DG of BAPB	<10	380	25	<2.0	9.2	<5.0	<5.0	<5.0	<5.0	<0.20	5.7	<5.0	<10	<5.0	<10	23	<20
Lot 3	MW-16A	Primary	10/5/2017	Upper	DG of BAPB	<10	230	14	<2.0	6.3	<5.0	5.1	<5.0	<5.0	0.2	7.8	50	<10	6.4	<10	<5.0	82
Lot 3	MW-16B	Primary	4/7/2017	Lower	DG of BAPB	<10	23	340	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	14	<10	16	<20
Lot 3	MW-16B	Primary	10/5/2017	Lower	DG of BAPB	<10	<10	360	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	8.6	<5.0	<10	13	<10	<5.0	<20
Lot 3	MW-17	Primary	4/14/2017	Upper	DG of BAPB	<10	430	84	<2.0	11	<5.0	<5.0	<5.0	<5.0	<0.20	5.1	6.9	11	17	15	21	<20
Lot 3	MW-17	Primary	10/5/2017	Upper	DG of BAPB	<10	130	57	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	10	14	<10	25	<10	<5.0	<20
Lot 3	MW-18	Primary	4/12/2017	Upper	UG of BAPB	<10	24	13	2.5	66	15	67	730	<5.0	<0.20	<5.0	1,200	<10	21	<10	18	4,500
Lot 3	MW-18	Primary	10/11/2017	Upper	UG of BAPB	<10	13	13	<2.0	84	5.6	65	900	<5.0	<0.20	<5.0	1,400	<10	20	<10	86	5,500
Lot 3	MW-19	Primary	4/11/2017	Upper	UG of BAPB	<10	55	47	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	6.1	<5.0	48	14	<10	23	<20
Lot 3	MW-19-D	Duplicate	4/11/2017	Upper	UG of BAPB	<10	53	46	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	6.7	<5.0	48	14	<10	24	<20
Lot 3	MW-19	Primary	10/11/2017	Upper	UG of BAPB	<10	12	34	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	6.2	<10	20	<10	67	<20
Lot 3	MW-19-D	Duplicate	10/11/2017	Upper	UG of BAPB	<10	13	33	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	5.6	<10	20	<10	65	<20
Lot 3	MW-20	Primary	4/12/2017	Upper	UG of BAPB	<10	210	31	<2.0	5.8	27	47	5.3	<5.0	<0.20	31	91	12	14	<10	20	610
Lot 3	MW-20	Primary	10/11/2017	Upper	UG of BAPB	<10	220	25	2.2	7.4	6.6	26	<5.0	<5.0	<0.20	8.7	79	<10	18	<10	82	810
Lot 3	MW-21	Primary	4/12/2017	Upper	UG of BAPB	<10	26	23	<2.0	46	<5.0	<5.0	99	<5.0	<0.20	12	130	160	8.5	<10	22	6,100
Lot 3	MW-21	Primary	10/10/2017	Upper	UG of BAPB	<10	12	14	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	5.8	36	<10	10	<10	58	440
Lot 3	MW-22	Primary	4/12/2017	Upper	UG of BAPB	<10	22	18	<2.0	<5.0	<5.0	<5.0	6.3	<5.0	<0.20	9.4	24	<10	11	<10	23	<20
Lot 3	MW-22	Primary	10/12/2017	Upper	UG of BAPB	<10	10	17	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	9.3	16	<10	13	<10	68	<20
Lot 3	MW-23	Primary	4/12/2017	Upper	UG of BAPB	<10	<10	35	<2.0	<5.0	<5.0	30	<5.0	<5.0	<0.20	<5.0	33	11	<5.0	18	35	950
Lot 3	MW-23	Primary	10/11/2017	Upper	UG of BAPB	<10	40	21	<2.0	<5.0	<5.0	34	<5.0	<5.0	<0.20	6.7	35	<10	15	<10	79	1,100
Lot 3	MW-28	Primary	4/6/2017	Upper	DG of BAPB	<10	73	9.2	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	<5.0	<10	22	150
Lot 3	MW-28	Primary	10/4/2017	Upper	DG of BAPB	<10	96	10	<2.0	<5.0	<5.0	9	<5.0	<5.0	<0.20	5.2	25	<10	6.1	<10	<5.0	1,200
Lot 3	MW-29	Primary	4/11/2017	Upper	Immediately UG	<10	21	52	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	5.1	13	<5.0	<10	24	32
Lot 3	MW-29	Primary	10/5/2017	Upper	Immediately UG	<10	36	23	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	15	<10	13	<10	<5.0	440
Lot 3	MW-32A	Primary	4/11/2017	Upper	UG of BAPB	<10	34	20	<2.0	33	29	130	34	<5.0	<0.20	11	1,100	22	28	<10	27	5,200
Lot 3	MW-32A	Primary	10/11/2017	Upper	UG of BAPB	<10	21	16	<2.0	35	16	140	28	<5.0	<0.20	6.5	1,100	33	25	<10	91	5,400
Lot 3	MW-32B	Primary	4/11/2017	Lower	UG of BAPB	<10	25	21	<2.0	100	30	430	2,800	<5.0	<0.20	11	1,400	18	32	<10	25	18,000
Lot 3	MW-32B	Primary	10/11/2017	Lower	UG of BAPB	<10	12	14	<2.0	120	18	460	3,200	<5.0	<0.20	<5.0	1,400	29	27	<10	85	19,000
Lot 3	PZ-10	Primary	4/12/2017	Upper	UG of BAPB	<10	37	34	2	7.3	<5.0	<5.0	140	<5.0	0.27	110	17	25	24	27	9.9	250
Lot 3	PZ-10	Primary	10/10/2017	Upper	UG of BAPB	<10	21	20	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	6.4	9.7	<10	24	<10	63	84
Lot 3	PZ-13	Primary	4/14/2017	Upper	UG of BAPB	<10	48	33	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	5.6	<10	23	<20
Lot 3	PZ-13-D	Duplicate	4/14/2017	Upper	UG of BAPB	<10	46	30	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	<5.0	<10	23	<20
Lot 3	PZ-13	Primary	10/6/2017	Upper	UG of BAPB	<10	55	50	<2.0	<5.0	<5.0	<5.0	8.4	<5.0	<0.20	<5.0	12	<10	13	<10	<5.0	<20
Lot 3	PZ-13-D	Duplicate	10/6/2017	Upper	UG of BAPB	<10	59	50	<2.0	<5.0	<5.0	<5.0	8.8	<5.0	<0.20	<5.0	11	<10	14	<10	<5.0	<20
Lot 3	PZ-14	Primary	4/14/2017	Upper	DG of BAPB	<10	230	200	2.1	6.2	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	11	<10	30	<10	23	<20
Lot 3	PZ-14	Primary	10/5/2017	Upper	DG of BAPB	<10	260	160	<2.0	7.4	<5.0	<5.0	<5.0	<5.0	<0.20	7.2	13	<10	34	<10	<5.0	<20
Lot 3	PZ-15	Primary	4/14/2017	Upper	DG of BAPB	<10	16	52	<2.0	<5.0	6.9	<5.0	<5.0	<5.0	<0.20	6.9	28	<10	8.7	<10	24	<20
Lot 3	PZ-15	Primary	10/6/2017	Upper	DG of BAPB	<10	10	49	<2.0	<5.0	5.8	<5.0	<5.0	<5.0	<0.20	6.6	23	<10	9.1	<10	<5.0	<20
Lot 3	PZ-16	Primary	4/14/2017	Upper	DG of BAPB	<10	<10	38	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	24	<5.0	<10	<5.0	<10	16	49
Lot 3	PZ-16	Primary	10/6/2017	Upper	DG of BAPB	<10	<10	39	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	23	<5.0	<10	<5.0	<10	<5.0	<20
UC BGC	MW-34	Primary	4/4/2017	Upper, offsite	Immediately UG	<10	30	12	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	6.1	74	<10	5.1	<10	12	<20
UC BGC	MW-34	Primary	10/3/2017	Upper, offsite	Immediately UG	<10	12	14	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	8	110	<10	18	<10	<5.0	71
UC BGC	MW-36	Primary	4/4/2017	Upper, offsite	DG of BAPB	<10	24	18	<2.0	<5.0	<5.0	9.8	<5.0	<5.0	<0.20	5.1	31	<10	<5.0	<10	22	<20

Table 4
Sampling Analytical Results
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)	Antimony µg/L	Arsenic µg/L	Barium µg/L	Beryllium µg/L	Cadmium µg/L	Chromium (III+VI) µg/L	Cobalt µg/L	Copper µg/L	Lead µg/L	Mercury µg/L	Molybdenum µg/L	Nickel µg/L	Selenium µg/L	Silver µg/L	Thallium µg/L	Vanadium µg/L	Zinc 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
UC BGC	MW-36	Primary	10/3/2017	Upper, offsite	DG of BAPB	<10	<10	19	<2.0	<5.0	<5.0	12	<5.0	<5.0	<0.20	6.5	59	<10	12	<10	<5.0	<20
UC BGC	MW-40	Primary	4/4/2017	Upper, offsite	In BAPB	<10	32	190	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	<5.0	<10	14	<20
UC BGC	MW-40	Primary	10/3/2017	Upper, offsite	In BAPB	<10	11	230	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	6.8	6.1	<10	17	<10	<5.0	<20
UC BGC	MW-41	Primary	4/4/2017	Upper, offsite	In BAPB	<10	42	39	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	5.5	17	<10	6.5	<10	21	59
UC BGC	MW-41	Primary	10/3/2017	Upper, offsite	In BAPB	<10	17	41	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	5.9	30	<10	16	<10	<5.0	62
UC BGC	MW-42	Primary	4/4/2017	Upper, offsite	Immediately UG	<10	33	14	<2.0	15	6.2	<5.0	<5.0	<5.0	<0.20	5.4	180	<10	14	<10	21	82
UC BGC	MW-42-D	Duplicate	4/4/2017	Upper, offsite	Immediately UG	<10	28	14	<2.0	13	5.8	<5.0	<5.0	<5.0	0.24	<5.0	180	<10	13	<10	21	100
UC BGC	MW-42	Primary	10/3/2017	Upper, offsite	Immediately UG	<10	11	14	<2.0	13	8	<5.0	<5.0	<5.0	<0.20	<5.0	170	<10	19	<10	<5.0	55
UC BGC	MW-42-D	Duplicate	10/3/2017	Upper, offsite	Immediately UG	<10	11	15	<2.0	15	8.8	<5.0	<5.0	<5.0	0.26	<5.0	190	12	20	<10	<5.0	99
UC BGC	MW-43	Primary	4/4/2017	Upper, offsite	DG of BAPB	<10	38	23	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	5	7.9	<10	7	<1.0	16	<20
UC BGC	MW-43	Primary	10/3/2017	Upper, offsite	DG of BAPB	<10	16	25	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	8	13	<10	22	<10	<5.0	<20
UC BGC	MW-44	Primary	4/4/2017	Upper, offsite	Immediately UG	<10	31	72	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	29	<10	5.5	<10	15	<20
UC BGC	MW-44	Primary	10/3/2017	Upper, offsite	Immediately UG	<10	13	64	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	8.1	34	<10	19	<10	<5.0	<20
UC BGC	MW-45	Primary	4/4/2017	Upper, offsite	DG of BAPB	<10	19	10	<2.0	<5.0	<5.0	28	<5.0	<5.0	<0.20	5	20	<10	<5.0	<10	15	730
UC BGC	MW-45	Primary	10/3/2017	Upper, offsite	DG of BAPB	<10	12	11	<2.0	<5.0	<5.0	27	<5.0	<5.0	<0.20	7.4	20	<10	11	<10	<5.0	700
UC BGC	MW-46	Primary	4/4/2017	Upper, offsite	DG of BAPB	<10	26	19	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	<5.0	<5.0	<10	<5.0	<10	21	<20
UC BGC	MW-46	Primary	10/3/2017	Upper, offsite	DG of BAPB	<10	12	20	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	9	7.8	<10	14	<10	<5.0	<20
Storm Water	001-020917**	Primary	2/9/2017	NA	NA	<10	10	17	<2.0	<5.0	<5.0	<5.0	15	<5.0	<0.20	<5.0	<5.0	20	<5.0	<10	12	<20
Storm Water	001-020917*	Primary	2/9/2017	NA	NA	<10	<5.4	15	<2.0	<5.0	<5.0	<5.0	7.6	<5.0	<0.20	<5.0	<5.0	24	<5.0	<10	11	<20
Storm Water	002-010317**	Primary	1/3/2017	NA	NA	<10	7.3	19	<2.0	<5.0	<5.0	<5.0	5.8	<5.0	<0.20	<5.0	<5.0	15	<5.0	<10	<5.0	110
Storm Water	002-010317*	Primary	1/3/2017	NA	NA	<10	5.3	17	<2.0	<5.0	<5.0	<5.0	5.2	<5.0	<0.20	<5.0	<5.0	14	<5.0	<10	<5.0	91
Storm Water	002-020217**	Primary	2/2/2017	NA	NA	<10	46	69	<2.0	<5.0	<5.0	<5.0	13	<5.0	<0.20	6.1	6.6	63	<5.0	<10	12	200
Storm Water	002-020217*	Primary	2/2/2017	NA	NA	<10	44	75	<2.0	<5.0	<5.0	<5.0	10	<5.0	<0.20	6.8	6.9	65	<5.0	<10	17	170
Storm Water	002-032117**	Primary	3/21/2017	NA	NA	<10	60	78	<2.0	<5.0	<5.0	<5.0	15	<5.0	<0.20	6.3	7	16	<5.0	<10	19	190
Storm Water	002-032117*	Primary	3/21/2017	NA	NA	<10	34	77	<2.0	<5.0	<5.0	<5.0	8.8	<5.0	<0.20	6.4	7.1	11	<5.0	<10	20	170
Storm Water	002-040717**	Primary	4/7/2017	NA	NA	<10	26	43	<2.0	<5.0	<5.0	<5.0	12	<5.0	<0.20	9.3	<5.0	91	<5.0	<10	31	55
Storm Water	002-040717*	Primary	4/7/2017	NA	NA	<10	20	41	<2.0	<5.0	<5.0	<5.0	9.2	<5.0	<0.20	9.2	<5.0	98	<5.0	<10	30	56
Storm Water	002-110917**	Primary	11/9/2017	NA	NA	<10	11	26	<2.0	<5.0	<5.0	<5.0	23	<5.0	<0.20	<5.0	7.9	<10	<5.0	<10	32	270
Storm Water	002-110917*	Primary	11/9/2017	NA	NA	<10	<10	21	<2.0	<5.0	<5.0	<5.0	6.8	<5.0	<0.20	<5.0	5.8	<10	6.9	<10	32	170
Storm Water	003-010317**	Primary	1/3/2017	NA	NA	<10	<5.0	49	<2.0	<5.0	<5.0	<5.0	7.2	<5.0	<0.20	9.4	<5.0	130	<5.0	<10	6.4	<20
Storm Water	003-010317*	Primary	1/3/2017	NA	NA	<10	<5.0	39	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	7.4	<5.0	110	<5.0	<10	<5.0	<20
Storm Water	003-020417**	Primary	2/4/2017	NA	NA	<10	9	29	<2.0	<5.0	<5.0	<5.0	13	<5.0	<0.20	9	<5.0	68	<5.0	<10	46	<20
Storm Water	003-020417*	Primary	2/4/2017	NA	NA	<10	11	29	<2.0	<5.0	<5.0	<5.0	9.9	<5.0	<0.20	8.3	<5.0	71	<5.0	<10	44	<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
SSG = 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 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 5
Sampling Analytical Results
Pesticides
Campus Bay, Richmond, CA

						Proprietary Pesticides							Organochlorine Pesticides																		
Lot/Location	Field ID	Sample Type	Sampled Date	Sample Horizon	Sample Location Relative to BAPB (Applicable to Lot 3 Wells Only)	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
						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	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)										**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	4/14/2017	Upper, offsite	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	<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	<1.0
DTSC Harborfront	DTSC-MW-2	Primary	10/6/2017	Upper, offsite	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	<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	<1.0
Lot 3	MW-1	Primary	4/6/2017	Upper	DG of BAPB	<2.5	<5.0	<2.5	<2.5	<2.5	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-1	Primary	10/4/2017	Upper	DG of BAPB	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-2	Primary	4/11/2017	Upper	Immediately UG	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-2	Primary	10/5/2017	Upper	Immediately UG	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-3	Primary	4/6/2017	Upper	In BAPB	<2.5	<5.0	<2.5	<2.5	<2.5	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-3	Primary	10/4/2017	Upper	In BAPB	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-4	Primary	4/6/2017	Upper	DG of BAPB	<2.5	<5.0	<2.5	<2.5	<2.5	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-4-D	Duplicate	4/6/2017	Upper	DG of BAPB	<2.5	<5.0	<2.5	<2.5	<2.5	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-4	Primary	10/4/2017	Upper	DG of BAPB	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-5	Primary	4/6/2017	Upper	DG of BAPB	<2.5	<5.0	<2.5	<2.5	<2.5	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-5	Primary	10/4/2017	Upper	DG of BAPB	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-6	Primary	4/11/2017	Upper	Immediately UG	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-6	Primary	10/5/2017	Upper	Immediately UG	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-7	Primary	4/6/2017	Upper	DG of BAPB	<2.5	<5.0	<2.5	<2.5	<2.5	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-7	Primary	10/4/2017	Upper	DG of BAPB	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-8	Primary	4/7/2017	Upper	Immediately UG	<0.25	<0.50	<0.25	<0.25	<0.25	<2.5	<0.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-8	Primary	10/5/2017	Upper	Immediately UG	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-9	Primary	4/7/2017	Upper	In BAPB	<0.25	<0.50	<0.25	<0.25	<0.25	<2.5	<0.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-9	Primary	10/5/2017	Upper	In BAPB	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-10A	Primary	4/6/2017	Upper	DG of BAPB	<2.5	<5.0	<2.5	<2.5	<2.5	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-10A	Primary	10/4/2017	Upper	DG of BAPB	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-10B	Primary	4/6/2017	Lower	DG of BAPB	<2.5	<5.0	<2.5	<2.5	<2.5	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-10B	Primary	10/4/2017	Lower	DG of BAPB	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-11A	Primary	4/7/2017	Upper	DG of BAPB	<0.25	<0.50	<0.25	<0.25	<0.25	<2.5	<0.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-11A	Primary	10/4/2017	Upper	DG of BAPB	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-11B	Primary	4/7/2017	Lower	DG of BAPB	<0.25	<0.50	<0.25	17	0.8	<2.5	<0.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-11B	Primary	10/4/2017	Lower	DG of BAPB	<5.0	<5.0	<5.0	49	<5.0	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-12	Primary	4/6/2017	Upper	DG of BAPB	<2.5	<5.0	<2.5	<2.5	<2.5	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-12-D	Duplicate	4/6/2017	Upper	DG of BAPB	<2.5	<5.0	<2.5	<2.5	<2.5	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-12	Primary	10/4/2017	Upper	DG of BAPB	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-12-D	Duplicate	10/4/2017	Upper	DG of BAPB	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-13	Primary	4/11/2017	Upper	Immediately UG	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-13	Primary	10/5/2017	Upper	Immediately UG	<5.0	<5.0	<5.0	13	<5.0	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-14	Primary	4/7/2017	Upper	In BAPB	<0.25	<0.50	<0.25	<0.25	<0.25	<2.5	<0.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-14	Primary	10/5/2017	Upper	In BAPB	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-15	Primary	4/7/2017	Upper	DG of BAPB	<0.25	<0.50	<0.25	<0.25	<0.25	<2.5	<0.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-15	Primary	10/5/2017	Upper	DG of BAPB	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-16A	Primary	4/7/2017	Upper	DG of BAPB	<0.25	<0.50	<0.25	0.47	<0.25	<2.5	<0.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-16A	Primary	10/5/2017	Upper	DG of BAPB	<5.0	<5.0	<5.0	230	<5.0	<25	8.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-16B	Primary	4/7/2017	Lower	DG of BAPB	<0.25	<0.50	<0.25	<0.25	<0.25	<2.5	<0.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-16B	Primary	10/5/2017	Lower	DG of BAPB	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-17	Primary	4/14/2017	Upper	DG of BAPB	<5.0	<5.0	<5.0	22	<5.0	<25	11	<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	<1.0
Lot 3	MW-17	Primary	10/5/2017	Upper	DG of BAPB	<5.0	<5.0	<5.0	13	<5.0	<25	<5.0	<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	<1.0
Lot 3	MW-28	Primary	4/6/2017	Upper	DG of BAPB	<2.5	<5.0	<2.5	<2.5	<2.5	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-28	Primary	10/4/2017	Upper	DG of BAPB	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-29	Primary	4/11/2017	Upper	Immediately UG	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	MW-29	Primary	10/5/2017	Upper	Immediately UG	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lot 3	PZ-13	Primary	4/14/2017	Upper	UG of BAPB	<5.0	<5.0	<5.0	410	23	<25	71	<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	<1.0
Lot 3	PZ-13-D	Duplicate	4/14/2017	Upper	UG of BAPB	<5.0	<5.0	<5.0	390	23	<25	69	<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	<1.0
Lot 3	PZ-13	Primary	10/6/2017	Upper	UG of BAPB	<5.0	<5.0	<5.0	420	39	<25	68	<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	<1.0

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

						Proprietary Pesticides							Organochlorine Pesticides																		
Lot/Location	Field ID	Sample Type	Sampled Date	Sample Horizon	Sample Location Relative to BAPB (Applicable to Lot 3 Wells Only)	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
						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	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)										**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			
Lot 3	PZ-13-D	Duplicate	10/6/2017	Upper	UG of BAPB	<5.6	<5.6	<5.6	380	30	<28	55	<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	<1.0
Lot 3	PZ-14	Primary	4/14/2017	Upper	DG of BAPB	<5.0	<5.0	<5.0	51	<5.0	<25	130	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.09	<0.09	<0.05	<0.09	<0.05	<0.09	<0.09	<0.09	<0.09	<0.05	<0.05	<0.05	<0.5	<0.9
Lot 3	PZ-14	Primary	10/5/2017	Upper	DG of BAPB	<5.0	<5.0	<5.0	54	<5.0	<25	110	<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	<1.0
Lot 3	PZ-15	Primary	4/14/2017	Upper	DG of BAPB	<5.0	23	9.3	95	<5.0	<25	57	<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	<1.0
Lot 3	PZ-15	Primary	10/6/2017	Upper	DG of BAPB	<5.0	33	12	140	<5.0	<25	69	<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	<1.0
Lot 3	PZ-16	Primary	4/14/2017	Upper	DG of BAPB	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.09	<0.09	<0.05	<0.09	<0.05	<0.09	<0.09	<0.09	<0.09	<0.05	<0.05	<0.05	<0.5	<0.9
Lot 3	PZ-16	Primary	10/6/2017	Upper	DG of BAPB	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	<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	<1.0
Storm Water	001-020917	Primary	2/9/2017	NA	NA	<2.5	<5.0	<2.5	<2.5	2.8	<25	<5.0	<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	<1.0
Storm Water	002-010317	Primary	1/3/2017	NA	NA	<2.5	<2.5	<2.5	3.8	<2.5	<5.7	<5.0	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.09	<0.09	<0.05	<0.09	<0.05#	<0.09	<0.09	<0.09	<0.09	<0.05	<0.05	<0.05	<0.5	<0.9
Storm Water	002-020217	Primary	2/2/2017	NA	NA	<2.5	<5.0	<2.5	13	4.3	<25	<5.0	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.09	<0.09	<0.05	<0.09	<0.05	<0.09	<0.09#	<0.09	<0.09	<0.05	<0.05	<0.05	<0.5#	<0.9
Storm Water	002-032117	Primary	3/21/2017	NA	NA	<2.5	<5.0	<2.5	18	7.9	<25	<5.0	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.09	<0.09	<0.05	<0.09	<0.05	<0.09	<0.09	<0.09	<0.09	<0.05	<0.05	<0.05	<0.5	<0.9
Storm Water	002-040717	Primary	4/7/2017	NA	NA	<0.25	<0.50	<0.25	0.57	<0.25	<2.5	<0.50	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.09	<0.09	<0.05	<0.09	<0.05	<0.09	<0.09	<0.09	<0.09	<0.05	<0.05	<0.05	<0.5	<0.9
Storm Water	002-110917	Primary	11/9/2017	NA	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<25b	<5.0	<0.05	<0.05	<0.05	<0.05	0.1C	<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	<1.0
Storm Water	003-010317	Primary	1/3/2017	NA	NA	<2.5	<2.5	<2.5	2.7	<2.5	<5.7	<5.0	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.09	<0.09	<0.05	<0.09	<0.05#	<0.09	<0.09	<0.09	<0.09	<0.05	<0.05	<0.05	<0.5	<0.9
Storm Water	003-020417	Primary	2/4/2017	NA	NA	<2.5	<5.0	<2.5	<2.5	<2.5	<25	<5.0	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.09	<0.09	<0.05	<0.09	<0.05	<0.09	<0.09	<0.09	<0.09	<0.05	<0.05	<0.05	<0.5	<0.9

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.
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)
	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 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	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	mg/L	mg/L	mg/L	mg/L	mS/cm	mg/L	mV
DTSC Harborfront	DTSC-MW-1	DTSC-MW-1	Primary	4/13/2017	Upper, offsite	NA	-	-	-	-	-	-	7.30	-	-	-	-	1.579	0.12	39.5
DTSC Harborfront	DTSC-MW-1	DTSC-MW-1	Primary	10/6/2017	Upper, offsite	NA	-	-	-	-	-	-	6.85	-	-	-	-	1.582	0.04	85.1
DTSC Harborfront	DTSC-MW-2	DTSC-MW-2	Primary	4/14/2017	Upper, offsite	NA	-	-	-	-	-	<0.10	6.98	-	<0.04	-	-	1.453	-0.27	62
DTSC Harborfront	DTSC-MW-2	DTSC-MW-2	Primary	10/6/2017	Upper, offsite	NA	-	-	-	-	-	<0.10	6.79	-	<0.04	-	-	1.358	0.08	80.9
DTSC Harborfront	DTSC-MW-4	DTSC-MW-4	Primary	4/13/2017	Upper, offsite	NA	-	-	-	-	-	-	7.06	-	-	-	-	1.263	-0.35	31.3
DTSC Harborfront	DTSC-MW-4	DTSC-MW-4	Primary	10/6/2017	Upper, offsite	NA	-	-	-	-	-	-	6.93	-	-	-	-	1.239	0.03	88.2
Lot 1	IMW-01	IMW-1	Primary	4/10/2017	Upper	NA	-	-	-	-	-	-	6.92	-	-	-	-	1.196	0.09	-63.4
Lot 1	IMW-01	IMW-1	Primary	10/16/2017	Upper	NA	-	-	-	-	-	-	6.44	-	-	-	-	1.066	0.18	-92.4
Lot 1	IMW-02	IMW-2	Primary	4/10/2017	Upper	NA	-	-	-	-	-	-	6.41	-	-	-	-	1.55	-0.24	-86
Lot 1	IMW-02	IMW-2	Primary	10/16/2017	Upper	NA	-	-	-	-	-	-	6.99	-	-	-	-	1.321	0.24	-80.5
Lot 1	IMW-03	IMW-3	Primary	4/10/2017	Upper	NA	-	-	-	-	-	-	6.93	-	-	-	-	1.082	0.09	-90.8
Lot 1	IMW-03	IMW-3	Primary	10/16/2017	Upper	NA	-	-	-	-	-	-	7.32	-	-	-	-	1.136	0.19	-111.4
Lot 1	IMW-04	IMW-4	Primary	4/10/2017	Upper	NA	-	-	-	-	-	-	6.86	-	-	-	-	1.194	0.22	-85.1
Lot 1	IMW-04	IMW-4	Primary	10/16/2017	Upper	NA	-	-	-	-	-	-	6.50	-	-	-	-	1.243	0.05	-79
Lot 1	IMW-15	IMW-15	Primary	4/5/2017	Upper and Lower	NA	-	-	-	-	-	-	6.56	-	-	-	-	3.04	-4.1	-184
Lot 1	IMW-15	IMW-15	Primary	10/13/2017	Upper and Lower	NA	-	-	-	-	-	-	6.66	-	-	-	-	3.422	0.03	-64.7
Lot 1	IMW-16	IMW-16	Primary	4/5/2017	Upper and Lower	NA	-	-	-	-	-	-	6.41	-	-	-	-	3.218	0.01	-47.4
Lot 1	IMW-16	IMW-16-D	Duplicate	4/5/2017	Upper and Lower	NA	-	-	-	-	-	-	6.41	-	-	-	-	3.218	0.01	-47.4
Lot 1	IMW-16	IMW-16	Primary	10/13/2017	Upper and Lower	NA	-	-	-	-	-	-	6.54	-	-	-	-	3.567	-0.02	-36
Lot 1	IMW-16	IMW-16-D	Duplicate	10/13/2017	Upper and Lower	NA	-	-	-	-	-	-	6.54	-	-	-	-	3.567	-0.02	-36
Lot 1	IMW-17	IMW-17	Primary	4/5/2017	Upper and Lower	NA	-	-	-	-	-	-	6.60	-	-	-	-	2.54	-0.39	-30.5
Lot 1	IMW-17	IMW-17	Primary	10/13/2017	Upper and Lower	NA	-	-	-	-	-	-	6.74	-	-	-	-	2.589	0.05	20.5
Lot 1	IMW-23	IMW-23	Primary	4/10/2017	Upper	NA	-	-	-	-	-	-	5.42	-	-	-	-	1.26	0.25	135.4
Lot 1	IMW-23	IMW-23	Primary	10/12/2017	Upper	NA	-	-	-	-	-	-	5.83	-	-	-	-	1.666	0.06	170.5
Lot 1	IMW-25	IMW-25	Primary	4/5/2017	Upper	NA	-	-	-	-	-	-	6.60	-	-	-	-	1.58	2	148.8
Lot 1	IMW-25	IMW-25	Primary	10/13/2017	Upper	NA	-	-	-	-	-	-	7.16	-	-	-	-	1.81	0.53	109
Lot 1	IMW-26	IMW-26	Primary	4/5/2017	Upper	NA	-	-	-	-	-	-	6.78	-	-	-	-	2.003	0.09	-83.3
Lot 1	IMW-26	IMW-26	Primary	10/12/2017	Upper	NA	-	-	-	-	-	-	6.78	-	-	-	-	2.383	0.01	14.8
Lot 1	IMW-27	IMW-27	Primary	4/5/2017	Upper	NA	-	-	-	-	-	-	6.59	-	-	-	-	1.8	-0.43	86.3
Lot 1	IMW-27	IMW-27	Primary	10/12/2017	Upper	NA	-	-	-	-	-	-	6.66	-	-	-	-	1.746	0	74.7
Lot 1	IMW-28	IMW-28	Primary	4/5/2017	Upper	NA	-	-	-	-	-	-	6.73	-	-	-	-	1.727	0.17	75.4
Lot 1	IMW-28	IMW-28	Primary	10/12/2017	Upper	NA	-	-	-	-	-	-	6.71	-	-	-	-	2.057	0	51.5
Lot 1	IMW-29	IMW-29	Primary	4/5/2017	Lower	NA	-	-	-	-	-	-	6.50	-	-	-	-	1.83	0.06	-159.5

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	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	mg/L	mg/L	mg/L	mg/L	mS/cm	mg/L	mV
Lot 1	IMW-29	IMW-29	Primary	10/12/2017	Lower	NA	-	-	-	-	-	-	5.94	-	-	-	-	1.8	0.13	-135
Lot 1	IMW-30	IMW-30	Primary	4/5/2017	Upper	NA	-	-	-	-	-	-	6.00	-	-	-	-	1.64	-0.44	-43.6
Lot 1	IMW-30	IMW-30	Primary	10/13/2017	Upper	NA	-	-	-	-	-	-	5.95	-	-	-	-	1.86	0.22	-33
Lot 1	IMW-31	IMW-31	Primary	4/5/2017	Upper	NA	-	-	-	-	-	-	6.45	-	-	-	-	3.033	0.04	-58.3
Lot 1	IMW-31	IMW-31	Primary	10/13/2017	Upper	NA	-	-	-	-	-	-	6.58	-	-	-	-	2.87	0.01	-62.7
Lot 1	IMW-32	IMW-32	Primary	4/5/2017	Lower	NA	-	-	-	-	-	-	7.39	-	-	-	-	0.959	0.08	-24.7
Lot 1	IMW-32	IMW-32	Primary	10/13/2017	Lower	NA	-	-	-	-	-	-	7.20	-	-	-	-	0.96	0.23	-80
Lot 1	IMW-33	IMW-33	Primary	4/5/2017	Lower	NA	-	-	-	-	-	-	6.44	-	-	-	-	3.186	0.1	44.1
Lot 1	IMW-33	IMW-33	Primary	10/13/2017	Lower	NA	-	-	-	-	-	-	6.46	-	-	-	-	3.22	0.22	-52
Lot 1	MW-25R	MW-25R	Primary	4/5/2017	Upper	NA	-	-	-	-	-	<0.10	7.14	-	<0.04	-	-	1.233	0.87	-126
Lot 1	MW-25R	MW-25R	Primary	10/12/2017	Upper	NA	-	-	-	-	-	<0.10	6.90	-	<0.04	-	-	1.753	0.03	90.3
Lot 1	MW-26	MW-26	Primary	4/10/2017	Upper	NA	-	-	-	-	-	<0.10	7.01	-	<0.04	-	-	1.061	1.03	135.3
Lot 1	MW-26	MW-26-D	Duplicate	4/10/2017	Upper	NA	-	-	-	-	-	<0.10	7.01	-	<0.04	-	-	1.061	1.03	135.3
Lot 1	MW-26	MW-26	Primary	10/12/2017	Upper	NA	-	-	-	-	-	<0.10	6.95	-	<0.04	-	-	0.93	0.09	139.6
Lot 1	MW-26	MW-26-D	Duplicate	10/12/2017	Upper	NA	-	-	-	-	-	<0.10	6.95	-	<0.04	-	-	0.93	0.09	139.6
Lot 1	MW-27	MW-27	Primary	4/5/2017	Upper	NA	-	-	-	-	-	<0.10	6.40	-	<0.04	-	-	1.58	-0.47	37.1
Lot 1	MW-27	MW-27	Primary	10/12/2017	Upper	NA	-	-	-	-	-	0.5	6.30	-	<0.04	-	-	1.83	0.16	-15
Lot 1	MW-30	MW-30	Primary	4/10/2017	Upper	NA	-	-	-	-	-	1.2	7.04	-	<0.04	-	-	0.983	0.11	-14.8
Lot 1	MW-30	MW-30	Primary	10/16/2017	Upper	NA	-	-	-	-	-	3.2	6.67	-	<0.04	-	-	1.183	-0.04	-88.1
Lot 1	MW-33	MW-33	Primary	4/10/2017	Upper	NA	-	-	-	-	-	<0.10	7.00	-	<0.04	-	-	1.174	0.14	134.4
Lot 1	MW-33	MW-33-D	Duplicate	4/10/2017	Upper	NA	-	-	-	-	-	<0.10	7.00	-	<0.04	-	-	1.174	0.14	134.4
Lot 1	MW-33	MW-33	Primary	10/6/2017	Upper	NA	-	-	-	-	-	<0.10	6.87	-	<0.04	-	-	1.16	0.59	89.6
Lot 1	PZ-11	PZ-11	Primary	4/10/2017	Upper	NA	-	-	-	-	-	-	4.74	-	-	-	-	2.728	0.25	191.7
Lot 1	PZ-11	PZ-11-D	Duplicate	4/10/2017	Upper	NA	-	-	-	-	-	-	4.74	-	-	-	-	2.728	0.25	191.7
Lot 1	PZ-11	PZ-11	Primary	10/12/2017	Upper	NA	-	-	-	-	-	-	5.81	-	-	-	-	4.23	0.22	72
Lot 1	PZ-12	PZ-12	Primary	4/10/2017	Upper	NA	-	-	-	-	-	-	6.63	-	-	-	-	1.55	-0.35	132.6
Lot 1	PZ-12	PZ-12	Primary	10/12/2017	Upper	NA	-	-	-	-	-	-	6.49	-	-	-	-	1.59	0.24	-140
Lot 2	IMW-05	IMW-5	Primary	4/13/2017	Upper	NA	-	-	-	-	-	-	6.66	-	-	-	-	1.419	-0.33	-65.5
Lot 2	IMW-05	IMW-5	Primary	10/16/2017	Upper	NA	-	-	-	-	-	-	6.69	-	-	-	-	1.084	0.08	-39.6
Lot 2	IMW-06	IMW-6	Primary	4/13/2017	Upper	NA	-	-	-	-	-	-	6.69	-	-	-	-	2.028	0.05	-111.4
Lot 2	IMW-06	IMW-6	Primary	10/10/2017	Upper	NA	-	-	-	-	-	-	5.55	-	-	-	-	1.79	0.14	-71.8
Lot 2	IMW-07	IMW-7	Primary	4/13/2017	Upper	NA	-	-	-	-	-	-	6.80	-	-	-	-	1.825	-0.41	-109.8
Lot 2	IMW-07	IMW-7	Primary	10/10/2017	Upper	NA	-	-	-	-	-	-	6.73	-	-	-	-	1.583	-0.02	-74.7

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	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	mg/L	mg/L	mg/L	mg/L	mS/cm	mg/L	mV
Lot 2	IMW-07	IMW-7-D	Duplicate	10/10/2017	Upper	NA	-	-	-	-	-	-	6.73	-	-	-	-	1.583	-0.02	-74.7
Lot 2	IMW-08	IMW-8	Primary	4/13/2017	Upper	NA	-	-	-	-	-	-	6.96	-	-	-	-	1.591	0.08	-142.9
Lot 2	IMW-08	IMW-8	Primary	10/16/2017	Upper	NA	-	-	-	-	-	-	7.14	-	-	-	-	1.323	0.27	-95.3
Lot 2	IMW-22	IMW-22	Primary	4/13/2017	Upper	NA	-	-	-	-	-	-	7.00	-	-	-	-	1.329	0.05	-152.9
Lot 2	IMW-22	IMW-22	Primary	10/10/2017	Upper	NA	-	-	-	-	-	-	6.76	-	-	-	-	1.423	-0.04	-82.8
Lot 2	MW-24	MW-24	Primary	4/13/2017	Upper	NA	-	-	-	-	-	<0.10	11.95	-	<0.04	-	-	2.525	-0.33	-122.5
Lot 2	MW-24	MW-24	Primary	10/10/2017	Upper	NA	-	-	-	-	-	<0.10	11.65	-	<0.04	-	-	2.353	1.01	-38.4
Lot 2	MW-31	MW-31	Primary	4/13/2017	Upper	NA	-	-	-	-	-	<0.10	7.30	-	<0.04	-	-	1.128	0.12	46
Lot 2	MW-31	MW-31	Primary	10/16/2017	Upper	NA	-	-	-	-	-	<0.10	7.04	-	<0.04	-	-	0.986	0.05	92.8
Lot 3	IMW-42	IMW-42	Primary	4/11/2017	Upper	UG of BAPB	-	-	-	-	-	-	5.40	-	-	-	-	11.96	-0.2	19.2
Lot 3	IMW-42	IMW-42	Primary	10/11/2017	Upper	UG of BAPB	-	-	-	-	-	-	5.26	-	-	-	-	13.49	0.26	-7.1
Lot 3	IMW-43	IMW-43	Primary	4/12/2017	Upper	UG of BAPB	-	-	-	-	-	-	5.63	-	-	-	-	7.694	0.2	-74.5
Lot 3	IMW-43	IMW-43	Primary	10/11/2017	Upper	UG of BAPB	-	-	-	-	-	-	6.45	-	-	-	-	4.85	0.58	-111.5
Lot 3	IMW-45	IMW-45	Primary	4/13/2017	Upper	UG of BAPB	-	-	-	-	-	-	6.53	-	-	-	-	4.135	0.37	-160.4
Lot 3	IMW-45	IMW-45	Primary	10/11/2017	Upper	UG of BAPB	-	-	-	-	-	-	6.47	-	-	-	-	4.04	0.48	-324
Lot 3	IMW-48	IMW-48	Primary	4/12/2017	Upper	UG of BAPB	-	-	-	-	-	-	4.16	-	-	-	-	4.077	-0.41	144.8
Lot 3	IMW-48	IMW-48	Primary	10/11/2017	Upper	UG of BAPB	-	-	-	-	-	-	4.37	-	-	-	-	4.66	0.73	-103
Lot 3	IMW-50	IMW-50	Primary	4/14/2017	Upper	UG of BAPB	-	-	-	-	-	-	6.39	-	-	-	-	3.492	0.04	-93.6
Lot 3	IMW-50	IMW-50	Primary	10/6/2017	Upper	UG of BAPB	-	-	-	-	-	-	6.28	-	-	-	-	3.105	0.61	-85.5
Lot 3	IMW-57	IMW-57	Primary	4/14/2017	Upper	UG of BAPB	-	-	-	-	-	-	6.24	-	-	-	-	3.388	0.1	-148.5
Lot 3	IMW-57	IMW-57	Primary	10/6/2017	Upper	UG of BAPB	-	-	-	-	-	-	6.09	-	-	-	-	2.862	0.61	-120.2
Lot 3	IMW-58	IMW-58	Primary	4/12/2017	Upper	UG of BAPB	-	-	-	-	-	-	6.68	-	-	-	-	3.827	-0.35	82.9
Lot 3	IMW-58	IMW-58-D	Duplicate	4/12/2017	Upper	UG of BAPB	-	-	-	-	-	-	6.68	-	-	-	-	3.827	-0.35	82.9
Lot 3	IMW-58	IMW-58	Primary	10/12/2017	Upper	UG of BAPB	-	-	-	-	-	-	7.09	-	-	-	-	3.64	0.23	81
Lot 3	IMW-58	IMW-58-D	Duplicate	10/12/2017	Upper	UG of BAPB	-	-	-	-	-	-	7.09	-	-	-	-	3.64	0.23	81
Lot 3	IMW-59	IMW-59	Primary	4/13/2017	Upper	UG of BAPB	-	-	-	-	-	-	6.88	-	-	-	-	3.039	0.09	82.8
Lot 3	IMW-59	IMW-59	Primary	10/9/2017	Upper	UG of BAPB	-	-	-	-	-	-	10.88	-	-	-	-	2.39	0.49	63.2
Lot 3	IMW-60	IMW-60	Primary	4/13/2017	Upper	UG of BAPB	-	-	-	-	-	-	7.12	-	-	-	-	2.283	0.32	78.6
Lot 3	IMW-60	IMW-60	Primary	10/9/2017	Upper	UG of BAPB	-	-	-	-	-	-	9.87	-	-	-	-	1.96	0.18	32.2
Lot 3	IMW-61	IMW-61	Primary	4/13/2017	Upper	UG of BAPB	-	-	-	-	-	-	7.10	-	-	-	-	3.609	0.19	39.2
Lot 3	IMW-61	IMW-61	Primary	10/9/2017	Upper	UG of BAPB	-	-	-	-	-	-	7.00	-	-	-	-	3.182	-0.01	192.4
Lot 3	IMW-62	IMW-62	Primary	4/13/2017	Upper	UG of BAPB	-	-	-	-	-	-	6.69	-	-	-	-	2.02	-0.1	-61.7
Lot 3	IMW-62	IMW-62	Primary	10/9/2017	Upper	UG of BAPB	-	-	-	-	-	-	6.63	-	-	-	-	2.315	-0.02	196.5

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	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	mg/L	mg/L	mg/L	mg/L	mS/cm	mg/L	mV
Lot 3	MW-01	MW-1	Primary	4/6/2017	Upper	DG of BAPB	-	-	-	-	-	1.1	7.53	-	0.06	-	-	1.727	0.08	-113.6
Lot 3	MW-01	MW-1	Primary	10/4/2017	Upper	DG of BAPB	-	-	-	-	-	2	7.21	-	0.07	-	-	2.147	2.88	-119
Lot 3	MW-02	MW-2	Primary	4/11/2017	Upper	Immediately UG	260	<10	<10	260	230	0.55	6.31	740	<0.04	1,750	-	2.489	-0.36	-28.6
Lot 3	MW-02	MW-2	Primary	10/5/2017	Upper	Immediately UG	360	<10	<10	360	860	78	6.26	1,800	<0.04	4,140	-	6.103	0.16	-79.2
Lot 3	MW-03	MW-3	Primary	4/6/2017	Upper	In BAPB	490	<20	<20	490	130	<0.10	6.62	260	11	1,710	-	2.67	-0.47	-324
Lot 3	MW-03	MW-3	Primary	10/4/2017	Upper	In BAPB	970	<20	<20	970	740	0.78	6.32	700	24	3,150	-	4.854	-0.06	-342.2
Lot 3	MW-04	MW-4	Primary	4/6/2017	Upper	DG of BAPB	490	<20	<20	490	880	30	6.42	1,200	<0.04	3,880	-	6.22	0.3	-155
Lot 3	MW-04	MW-4-D	Duplicate	4/6/2017	Upper	DG of BAPB	520	<20	<20	520	910	33	6.42	1,300	<0.04	3,930	-	6.22	0.3	-155
Lot 3	MW-04	MW-4	Primary	10/4/2017	Upper	DG of BAPB	450	<20	<20	450	1,300	110	6.22	2,500	<0.04	6,150	-	8.882	0.05	-109.5
Lot 3	MW-05	MW-5	Primary	4/6/2017	Upper	DG of BAPB	-	-	-	-	-	-	6.33	-	<0.04	-	-	7.55	-0.32	-104.7
Lot 3	MW-05	MW-5	Primary	10/4/2017	Upper	DG of BAPB	-	-	-	-	-	91	6.24	-	<0.04	-	-	8.723	0.06	-119.5
Lot 3	MW-06	MW-6	Primary	4/11/2017	Upper	Immediately UG	-	-	-	-	-	62	5.63	-	0.06	-	-	5.672	0.1	-95.1
Lot 3	MW-06	MW-6	Primary	10/5/2017	Upper	Immediately UG	-	-	-	-	-	92	6.00	-	<0.04	-	-	7.803	0.02	-75.6
Lot 3	MW-07	MW-7	Primary	4/6/2017	Upper	DG of BAPB	-	-	-	-	-	23	6.58	-	0.06	-	-	8.489	0.06	-82.2
Lot 3	MW-07	MW-7	Primary	10/4/2017	Upper	DG of BAPB	-	-	-	-	-	29	6.33	-	<0.04	-	-	9.2	0.66	-95.5
Lot 3	MW-08	MW-8	Primary	4/7/2017	Upper	Immediately UG	370	<10	<10	370	950	26	6.39	630	0.07	2,900	-	5.31	0.11	-116
Lot 3	MW-08	MW-8	Primary	10/5/2017	Upper	Immediately UG	250	<10	<10	250	2,200	390	5.68	1,600	<0.04	5,750	-	10.74	0.57	-41.1
Lot 3	MW-09	MW-9	Primary	4/7/2017	Upper	In BAPB	180	<6.7	<6.7	180	580	29	6.44	560	0.06	1,970	-	3.58	-0.4	-117.8
Lot 3	MW-09	MW-9	Primary	10/5/2017	Upper	In BAPB	620	<20	<20	620	1,100	17	6.36	340	<0.04	2,740	-	6.043	0.58	-118.9
Lot 3	MW-10A	MW-10A	Primary	4/6/2017	Upper	DG of BAPB	-	-	-	-	-	170	5.95	-	<0.04	-	-	10.06	0.09	-16.6
Lot 3	MW-10A	MW-10A	Primary	10/4/2017	Upper	DG of BAPB	-	-	-	-	-	42	5.80	-	<0.04	-	-	14.8	0.59	11.5
Lot 3	MW-10B	MW-10B	Primary	4/6/2017	Lower	DG of BAPB	-	-	-	-	-	-	6.12	-	<0.04	-	-	16.01	5.62	201.4
Lot 3	MW-10B	MW-10B	Primary	10/4/2017	Lower	DG of BAPB	-	-	-	-	-	2.7	5.37	-	<0.04	-	-	14.8	0.69	164.7
Lot 3	MW-11A	MW-11A	Primary	4/7/2017	Upper	DG of BAPB	-	-	-	-	-	<0.10	7.11	-	<0.04	-	-	3.2	0.14	37.5
Lot 3	MW-11A	MW-11A	Primary	10/4/2017	Upper	DG of BAPB	-	-	-	-	-	85	6.07	-	<0.04	-	-	7.797	0.01	-26
Lot 3	MW-11B	MW-11B	Primary	4/7/2017	Lower	DG of BAPB	-	-	-	-	-	5.4	5.96	-	<0.04	-	-	10.15	0.05	101
Lot 3	MW-11B	MW-11B	Primary	10/4/2017	Lower	DG of BAPB	-	-	-	-	-	0.83	6.08	-	<0.04	-	-	11.13	-0.1	126.6
Lot 3	MW-12	MW-12	Primary	4/6/2017	Upper	DG of BAPB	-	-	-	-	-	-	6.09	-	<0.04	-	-	4.933	0.08	-5.9
Lot 3	MW-12	MW-12-D	Duplicate	4/6/2017	Upper	DG of BAPB	-	-	-	-	-	-	6.09	-	<0.04	-	-	4.933	0.08	-5.9
Lot 3	MW-12	MW-12	Primary	10/4/2017	Upper	DG of BAPB	-	-	-	-	-	95	6.11	-	<0.04	-	-	6.802	0.56	-50.7
Lot 3	MW-12	MW-12-D	Duplicate	10/4/2017	Upper	DG of BAPB	-	-	-	-	-	96	6.11	-	<0.04	-	-	6.802	0.56	-50.7
Lot 3	MW-13	MW-13	Primary	4/11/2017	Upper	Immediately UG	460	<20	<20	460	810	83	5.80	830	<0.04	3,030	-	4.567	0.07	-70.7
Lot 3	MW-13	MW-13	Primary	10/5/2017	Upper	Immediately UG	<1.0	<1.0	<1.0	<1.0	760	370	3.97	3,700	<0.04	5,610	-	6.86	0.02	172.3

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	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	mg/L	mg/L	mg/L	mg/L	mS/cm	mg/L	mV
Lot 3	MW-14	MW-14	Primary	4/7/2017	Upper	In BAPB	260	<10	<10	260	550	9.8	6.84	550	0.43	2,020	-	3.691	-0.46	-213.3
Lot 3	MW-14	MW-14	Primary	10/5/2017	Upper	In BAPB	1,100	<20	<20	1,100	1,000	4.4	6.44	280	<0.04	2,990	-	7.05	1.33	-92.8
Lot 3	MW-15	MW-15	Primary	4/7/2017	Upper	DG of BAPB	250	<10	<10	250	430	4.1	6.82	520	<0.04	1,730	-	3.042	-0.49	59.5
Lot 3	MW-15	MW-15	Primary	10/5/2017	Upper	DG of BAPB	200	<10	<10	200	1,400	20	6.27	870	<0.04	3,500	-	5.876	0.59	-43.1
Lot 3	MW-16A	MW-16A	Primary	4/7/2017	Upper	DG of BAPB	-	-	-	-	-	72	6.97	-	<0.04	-	-	6.834	-0.43	-140
Lot 3	MW-16A	MW-16A	Primary	10/5/2017	Upper	DG of BAPB	-	-	-	-	-	40	6.20	-	<0.04	-	-	4.614	-0.03	-93.9
Lot 3	MW-16B	MW-16B	Primary	4/7/2017	Lower	DG of BAPB	-	-	-	-	-	<0.10	6.86	-	<0.04	-	-	6.622	-0.32	5.6
Lot 3	MW-16B	MW-16B	Primary	10/5/2017	Lower	DG of BAPB	-	-	-	-	-	<0.10	6.95	-	<0.04	-	-	5.916	0.02	-4.9
Lot 3	MW-17	MW-17	Primary	4/14/2017	Upper	DG of BAPB	-	-	-	-	-	13	6.64	-	0.08	-	-	14.61	-0.39	-95.8
Lot 3	MW-17	MW-17	Primary	10/5/2017	Upper	DG of BAPB	-	-	-	-	-	8.4	6.62	-	<0.04	-	-	17.17	0.85	-63.7
Lot 3	MW-18	MW-18	Primary	4/12/2017	Upper	UG of BAPB	-	-	-	-	-	<0.10	4.82	-	<0.04	-	-	6.736	0.17	176.4
Lot 3	MW-18	MW-18	Primary	10/11/2017	Upper	UG of BAPB	-	-	-	-	-	<0.10	5.03	-	<0.04	-	-	6.5	-0.02	279.1
Lot 3	MW-19	MW-19	Primary	4/11/2017	Upper	UG of BAPB	-	-	-	-	-	4.4	5.99	-	10	-	-	7.09	0.04	-312.4
Lot 3	MW-19	MW-19-D	Duplicate	4/11/2017	Upper	UG of BAPB	-	-	-	-	-	4.3	5.99	-	12	-	-	7.09	0.04	-312.4
Lot 3	MW-19	MW-19	Primary	10/11/2017	Upper	UG of BAPB	-	-	-	-	-	5.1	6.36	-	7.4	-	-	7.131	-0.04	-317
Lot 3	MW-19	MW-19-D	Duplicate	10/11/2017	Upper	UG of BAPB	-	-	-	-	-	5.9	6.36	-	5.6	-	-	7.131	-0.04	-317
Lot 3	MW-20	MW-20	Primary	4/12/2017	Upper	UG of BAPB	-	-	-	-	-	9.2	5.76	-	<0.04	-	-	5.682	-0.27	-18.4
Lot 3	MW-20	MW-20	Primary	10/11/2017	Upper	UG of BAPB	-	-	-	-	-	86	3.54	-	<0.04	-	-	6.57	0.12	-81
Lot 3	MW-21	MW-21	Primary	4/12/2017	Upper	UG of BAPB	-	-	-	-	-	<0.10	6.20	-	<0.04	-	-	4.247	-0.44	110
Lot 3	MW-21	MW-21	Primary	10/10/2017	Upper	UG of BAPB	-	-	-	-	-	<0.10	6.12	-	<0.04	-	-	3.559	-0.05	130.9
Lot 3	MW-22	MW-22	Primary	4/12/2017	Upper	UG of BAPB	-	-	-	-	-	<0.10	7.05	-	<0.04	-	-	4.215	0.12	28.8
Lot 3	MW-22	MW-22	Primary	10/12/2017	Upper	UG of BAPB	-	-	-	-	-	<0.10	6.93	-	<0.04	-	-	4.108	0.02	170.3
Lot 3	MW-23	MW-23	Primary	4/12/2017	Upper	UG of BAPB	-	-	-	-	-	160	6.02	-	<0.04	-	-	5.557	0.05	-50.9
Lot 3	MW-23	MW-23	Primary	10/11/2017	Upper	UG of BAPB	-	-	-	-	-	160	6.00	-	<0.04	-	-	5.671	-0.05	-82.5
Lot 3	MW-28	MW-28	Primary	4/6/2017	Upper	DG of BAPB	130	<5.0	-	-	700	-	5.88	780	<0.04	2,370	-	4.103	0.07	10.2
Lot 3	MW-28	MW-28	Primary	10/4/2017	Upper	DG of BAPB	62	<2.5	<2.5	62	1,000	0.83	5.48	1,200	<0.04	3,220	-	5.361	0.57	35.2
Lot 3	MW-29	MW-29	Primary	4/11/2017	Upper	Immediately UG	-	-	-	-	-	63	5.93	-	<0.04	-	-	7.731	-0.32	-88.2
Lot 3	MW-29	MW-29	Primary	10/5/2017	Upper	Immediately UG	-	-	-	-	-	170	5.78	-	<0.04	-	-	10.7	0.07	-33.8
Lot 3	MW-32A	MW-32A	Primary	4/11/2017	Upper	UG of BAPB	-	-	-	-	-	<0.10	5.21	-	<0.04	-	-	6.317	0.31	147.9
Lot 3	MW-32A	MW-32A	Primary	10/11/2017	Upper	UG of BAPB	-	-	-	-	-	<0.10	5.34	-	<0.04	-	-	6.356	-0.01	294.6
Lot 3	MW-32B	MW-32B	Primary	4/11/2017	Lower	UG of BAPB	-	-	-	-	-	<0.10	6.21	-	<0.04	-	-	3.288	6.82	117
Lot 3	MW-32B	MW-32B	Primary	10/11/2017	Lower	UG of BAPB	-	-	-	-	-	<0.10	4.62	-	<0.04	-	-	8.034	0.03	279.1
Lot 3	PZ-10	PZ-10	Primary	4/12/2017	Upper	UG of BAPB	-	-	-	-	-	-	5.69	-	-	-	-	19.34	0.11	103.7

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	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	mg/L	mg/L	mg/L	mg/L	mS/cm	mg/L	mV
Lot 3	PZ-10	PZ-10	Primary	10/10/2017	Upper	UG of BAPB	-	-	-	-	-	-	5.92	-	-	-	-	10.75	1.61	35.6
Lot 3	PZ-13	PZ-13	Primary	4/14/2017	Upper	UG of BAPB	-	-	-	-	-	47	6.71	-	<0.04	-	-	5.833	-0.34	-130.9
Lot 3	PZ-13	PZ-13-D	Duplicate	4/14/2017	Upper	UG of BAPB	-	-	-	-	-	50	6.71	-	<0.04	-	-	5.833	-0.34	-130.9
Lot 3	PZ-13	PZ-13	Primary	10/6/2017	Upper	UG of BAPB	-	-	-	-	-	60	6.57	-	<0.04	-	-	6.872	0.01	-123.7
Lot 3	PZ-13	PZ-13-D	Duplicate	10/6/2017	Upper	UG of BAPB	-	-	-	-	-	60	6.57	-	<0.04	-	-	6.872	0.01	-123.7
Lot 3	PZ-14	PZ-14	Primary	4/14/2017	Upper	DG of BAPB	-	-	-	-	-	38	6.52	-	<0.04	-	-	20.54	0.07	-115.4
Lot 3	PZ-14	PZ-14	Primary	10/5/2017	Upper	DG of BAPB	-	-	-	-	-	23	6.45	-	<0.04	-	-	23.6	0.07	-119.6
Lot 3	PZ-15	PZ-15	Primary	4/14/2017	Upper	DG of BAPB	-	-	-	-	-	0.14	6.96	-	<0.04	-	-	5.225	-0.33	-18.8
Lot 3	PZ-15	PZ-15	Primary	10/6/2017	Upper	DG of BAPB	-	-	-	-	-	0.13	7.07	-	0.11	-	-	4.95	0.04	-93.9
Lot 3	PZ-16	PZ-16	Primary	4/14/2017	Upper	DG of BAPB	-	-	-	-	-	<0.10	7.44	-	<0.04	-	-	3.785	0.15	3.1
Lot 3	PZ-16	PZ-16	Primary	10/6/2017	Upper	DG of BAPB	-	-	-	-	-	<0.10	7.04	-	<0.04	-	-	3.926	0.74	38
Storm Water	001	001-020917	Primary	2/9/2017	NA	NA	-	-	-	-	-	-	7.00	-	-	-	<5	-	-	-
Storm Water	002	002-010317	Primary	1/3/2017	NA	NA	-	-	-	-	-	-	2.80	-	-	-	6	-	-	-
Storm Water	002	002-020217	Primary	2/2/2017	NA	NA	-	-	-	-	-	-	6.80	-	-	-	5	-	-	-
Storm Water	002	002-032117	Primary	3/21/2017	NA	NA	-	-	-	-	-	-	7.90	-	-	-	<5	-	-	-
Storm Water	002	002-040717	Primary	4/7/2017	NA	NA	-	-	-	-	-	-	7.50	-	-	-	<5	-	-	-
Storm Water	002	002-110917	Primary	11/9/2017	NA	NA	-	-	-	-	-	-	7.10	-	-	-	15	-	-	-
Storm Water	003	003-010317	Primary	1/3/2017	NA	NA	-	-	-	-	-	-	7.00	-	-	-	<5	-	-	-
Storm Water	003	003-020417	Primary	2/4/2017	NA	NA	-	-	-	-	-	-	2.6b	-	-	-	8	-	-	-
UC BGC	MW-34	MW-34	Primary	4/4/2017	Upper, offsite	Immediately UG	350	<10	<10	350	1,100	<0.10	6.25	2,800	<0.04	6,400	9	8.34	-0.54	117.5
UC BGC	MW-34	MW-34	Primary	10/3/2017	Upper, offsite	Immediately UG	350	<10	<10	350	1,300	<0.10	6.33	3,400	<0.04	7,410	7	9.873	0.6	126.4
UC BGC	MW-36	MW-36	Primary	4/4/2017	Upper, offsite	DG of BAPB	920	<20	<20	920	1,500	<0.10	6.25	1,500	<0.04	5,600	10	8.33	-0.48	126
UC BGC	MW-36	MW-36	Primary	10/3/2017	Upper, offsite	DG of BAPB	610	<20	<20	610	1,400	0.16	6.21	1,900	<0.04	5,610	7	8.46	-0.09	75.7
UC BGC	MW-40	MW-40	Primary	4/4/2017	Upper, offsite	In BAPB	1,900	<20	<20	1,900	1,500	0.15	6.96	680	4.5	5,120	6	8.06	-0.49	-317
UC BGC	MW-40	MW-40	Primary	10/3/2017	Upper, offsite	In BAPB	2,000	<20	<20	2,000	1,800	<0.10	6.69	540	7.9	5,540	7	9.112	0.52	-341.6
UC BGC	MW-41	MW-41	Primary	4/4/2017	Upper, offsite	In BAPB	680	<20	<20	680	1,500	11	6.90	1,500	<0.04	5,460	11	8.914	1.16	-6.4
UC BGC	MW-41	MW-41	Primary	10/3/2017	Upper, offsite	In BAPB	560	<20	<20	560	1,300	12	6.20	1,700	<0.04	5,030	24	7.354	1.21	-35.3
UC BGC	MW-42	MW-42	Primary	4/4/2017	Upper, offsite	Immediately UG	160	<6.7	<6.7	160	680	<0.10	6.00	2,200	<0.04	4,690	6	5.986	0.05	179.7
UC BGC	MW-42	MW-42-D	Duplicate	4/4/2017	Upper, offsite	Immediately UG	160	<6.7	<6.7	160	690	<0.10	6.00	2,300	<0.04	4,700	<5	5.986	0.05	179.7
UC BGC	MW-42	MW-42	Primary	10/3/2017	Upper, offsite	Immediately UG	160	<6.7	<6.7	160	740	<0.10	5.83	2,500	<0.04	4,870	7	6.186	0.59	38.9
UC BGC	MW-42	MW-42-D	Duplicate	10/3/2017	Upper, offsite	Immediately UG	150	<6.7	<6.7	150	740	<0.10	5.83	2,400	<0.04	4,910	6	6.186	0.59	38.9
UC BGC	MW-43	MW-43	Primary	4/4/2017	Upper, offsite	DG of BAPB	640	<20	<20	640	1,700	<0.10	6.72	2,300	<0.04	6,520	5	9.521	-0.02	-112.2
UC BGC	MW-43	MW-43	Primary	10/3/2017	Upper, offsite	DG of BAPB	640	<20	<20	640	1,700	<0.10	6.38	2,400	<0.04	6,820	11	9.05	-0.11	-24.1

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	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	mg/L	mg/L	mg/L	mg/L	mS/cm	mg/L	mV
UC BGC	MW-44	MW-44	Primary	4/4/2017	Upper, offsite	Immediately UG	-	-	-	-	-	0.49	6.51	-	<0.04	-	-	9.09	-0.51	-152
UC BGC	MW-44	MW-44	Primary	10/3/2017	Upper, offsite	Immediately UG	-	-	-	-	-	0.39	6.26	-	<0.04	-	-	9.402	0.57	48.1
UC BGC	MW-45	MW-45	Primary	4/4/2017	Upper, offsite	DG of BAPB	-	-	-	-	-	11	6.08	-	<0.04	-	-	3.37	0.05	49.2
UC BGC	MW-45	MW-45	Primary	10/3/2017	Upper, offsite	DG of BAPB	-	-	-	-	-	10	5.86	-	<0.04	-	-	3.496	0.59	19
UC BGC	MW-46	MW-46	Primary	4/4/2017	Upper, offsite	DG of BAPB	-	-	-	-	-	<0.10	6.86	-	<0.04	-	-	11.73	0.16	-19.2
UC BGC	MW-46	MW-46	Primary	10/3/2017	Upper, offsite	DG of BAPB	-	-	-	-	-	<0.10	6.56	-	0.04	-	-	11.89	0.82	-61.4

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 = millisiemenss per centimeter
mV = millivolts
mg/L = milligrams per liter

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

Table 7
Screening Criteria for Groundwater and Surface-Water Samples
Campus Bay Site, 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.)											
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 Site, 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 Draft Feasibility Study and Remedial Action Plan for Lots 1, 2, and 3 (Terraphase 2017).
(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 ug/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. 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 ug/L one-hour average that is listed above for mercury. [http://www.waterboards.ca.gov/sanfranciscobay/water_issues/programs/TMDLs/sfbaymercurytmdl.shtml]
(k) Since the chronic criterion for silver was not available (in the references reviewed), the 1-hour acute criterion was used instead.
(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*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*e^(0.8190*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*e^(0.8545*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*H) *e^(1.273*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*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 Reculations, Part 131), which is 5.0 ug/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*e^(1.72*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*e^(0.8473*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 2017).

Table 7
Screening Criteria for Groundwater and Surface-Water Samples
Campus Bay Site, 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). 2017. Draft Feasibility Study and Remedial Action Plan for Lot 1, Lot 2, and the Uplands Portion of Lot 3, Campus Bay, Richmond, California. August 31.

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	4/11/2017	Upper	Immediately UG	260	0.55	6.31	740	<0.04	-28.6	20	<5.0	<5.0	7	<20
Lot 3	MW-2	Primary	10/5/2017	Upper	Immediately UG	360	78	6.26	1,800	<0.04	-79.2	140	<5.0	<5.0	6.7	26
Lot 3	MW-3	Primary	4/6/2017	Upper	In BAPB	490	<0.10	6.62	260	11	-324	15	<5.0	<5.0	<5.0	<20
Lot 3	MW-3	Primary	10/4/2017	Upper	In BAPB	970	0.78	6.32	700	24	-342.2	<10	<5.0	<5.0	<5.0	<20
Lot 3	MW-4	Primary	4/6/2017	Upper	DG of BAPB	490	30	6.42	1,200	<0.04	-155	85	<5.0	<5.0	<5.0	<20
Lot 3	MW-4-D	Duplicate	4/6/2017	Upper	DG of BAPB	520	33	6.42	1,300	<0.04	-155	80	<5.0	<5.0	<5.0	<20
Lot 3	MW-4	Primary	10/4/2017	Upper	DG of BAPB	450	110	6.22	2,500	<0.04	-109.5	400	<5.0	<5.0	7.4	22
Lot 3	MW-8	Primary	4/7/2017	Upper	Immediately UG	370	26	6.39	630	0.07	-116	70	<5.0	<5.0	<5.0	20
Lot 3	MW-8	Primary	10/5/2017	Upper	Immediately UG	250	390	5.68	1,600	<0.04	-41.1	80	<5.0	16	13	240
Lot 3	MW-9	Primary	4/7/2017	Upper	In BAPB	180	29	6.44	560	0.06	-117.8	460	<5.0	<5.0	<5.0	<20
Lot 3	MW-9	Primary	10/5/2017	Upper	In BAPB	620	17	6.36	340	<0.04	-118.9	230	<5.0	<5.0	<5.0	<20
Lot 3	MW-28	Primary	4/6/2017	Upper	DG of BAPB	130	-	5.88	780	<0.04	10.2	73	<5.0	<5.0	<5.0	150
Lot 3	MW-28	Primary	10/4/2017	Upper	DG of BAPB	62	0.83	5.48	1,200	<0.04	35.2	96	<5.0	<5.0	25	1,200
Lot 3	MW-13	Primary	4/11/2017	Upper	Immediately UG	460	83	5.8	830	<0.04	-70.7	<10	<5.0	<5.0	79	1,300
Lot 3	MW-13	Primary	10/5/2017	Upper	Immediately UG	<1.0	370	3.97	3,700	<0.04	172.3	21	240	13	630	22,000
Lot 3	MW-14	Primary	4/7/2017	Upper	In BAPB	260	9.8	6.84	550	0.43	-213.3	24	<5.0	<5.0	<5.0	<20
Lot 3	MW-14	Primary	10/5/2017	Upper	In BAPB	1,100	4.4	6.44	280	<0.04	-92.8	21	<5.0	<5.0	<5.0	<20
Lot 3	MW-15	Primary	4/7/2017	Upper	DG of BAPB	250	4.1	6.82	520	<0.04	59.5	22	88	<5.0	7.8	530
Lot 3	MW-15	Primary	10/5/2017	Upper	DG of BAPB	200	20	6.27	870	<0.04	-43.1	25	<5.0	<5.0	<5.0	26

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

FIGURES

N

SAFETY FIRST

terraphase engineering

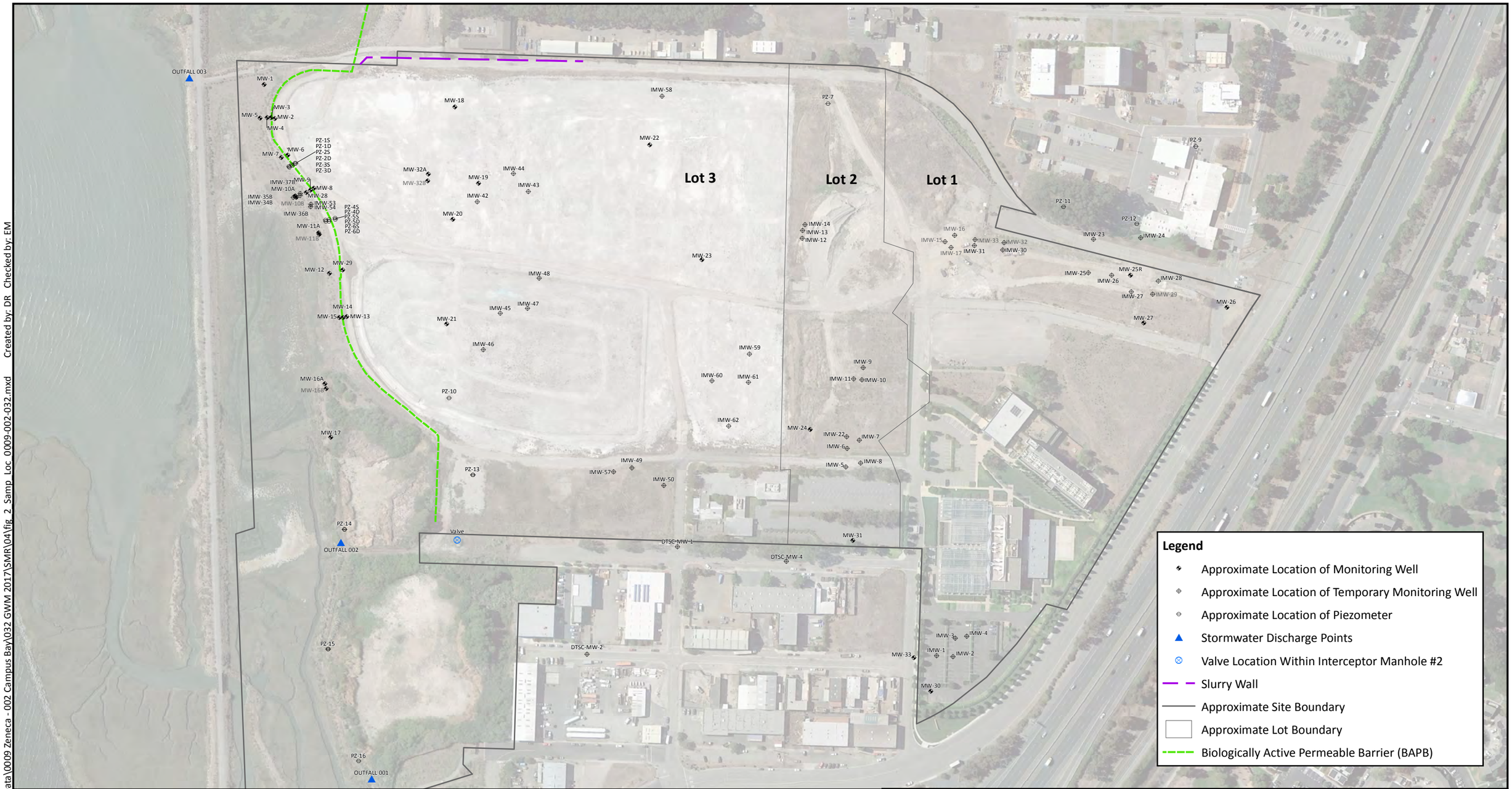
CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Site Location

FIGURE 1

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\032 GWM 2017\SMR\04\fig_1_Site_Location_0009-002-032.mxd 5/17/2017 Created by: DR Checked by: EM

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\032 GWM 2017\SMR\04\Fig_2_Samp_Loc_0009-002-032.mxd Created by: DR Checked by: EM



Legend

- Approximate Location of Monitoring Well
- Approximate Location of Temporary Monitoring Well
- Approximate Location of Piezometer
- Stormwater Discharge Points
- Valve Location Within Interceptor Manhole #2
- Slurry Wall
- Approximate Site Boundary
- Approximate Lot Boundary
- Biologically Active Permeable Barrier (BAPB)

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

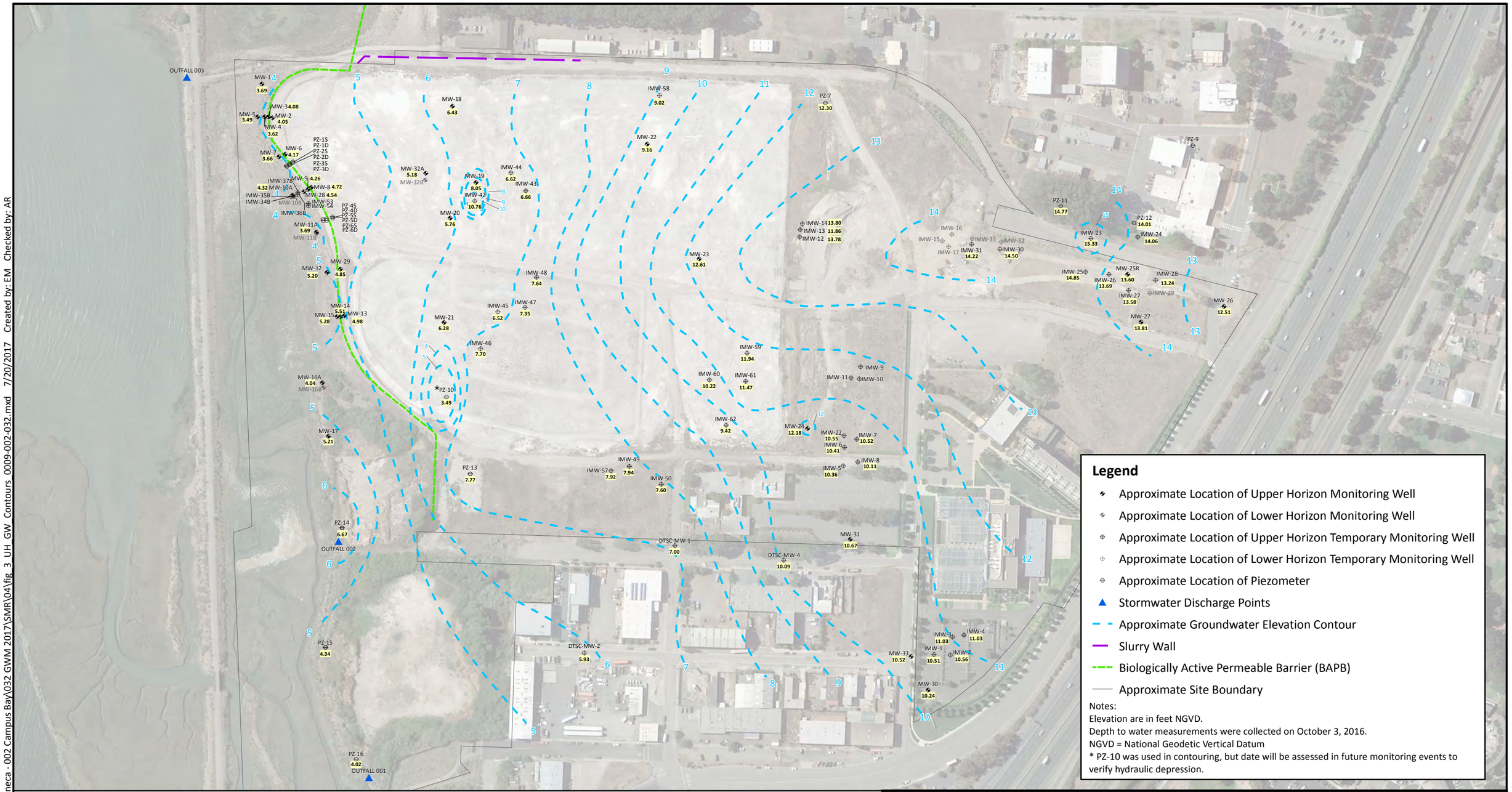
terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Site Plan and Monitoring Well Locations

FIGURE 2

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\SMR\04\fig_3_UH_GW_Contours_0009-002-032.mxd 7/20/2017 Created by: EM Checked by: AR



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

Notes:
Elevation are in feet NGVD.
Depth to water measurements were collected on October 3, 2016.
NGVD = National Geodetic Vertical Datum
* PZ-10 was used in contouring, but date will be assessed in future monitoring events to verify hydraulic depression.

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Groundwater Elevation Contours
Upper Horizon
April 3, 2017

FIGURE 3A

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\AMR\10\fig_3B_UH_GW_Contours_0009-002-032.mxd 1/17/2018 Created by: EM Checked by: AR

OUTFALL 003

MW-1 2.04
MW-3 2.25
MW-5 1.88
MW-2 2.30
MW-4 2.11
MW-7 2.14
MW-6 2.26
PZ-1S
PZ-1D
PZ-2S
PZ-2D
PZ-3S
PZ-3D
MW-9 2.12
IMW-37B 2.38
MW-10A
MW-8 3.14
IMW-35B
IMW-34B
MW-28 2.54
MW-10B
IMW-53
IMW-54
IMW-36B
PZ-4S
PZ-4D
PZ-5S
PZ-5D
PZ-6S
PZ-6D
MW-11A 1.15
MW-11B
MW-29 2.79
MW-12 2.65
MW-14 2.65
MW-15 2.52
MW-13 2.90
MW-16A 2.35
MW-16B
MW-17 1.62
PZ-14 2.93
OUTFALL 002
PZ-15 2.95
PZ-16 2.73
OUTFALL 001
MW-18 3.92
MW-32A 3.61
MW-32B
MW-19 8.61
IMW-44 4.10
IMW-43 6.72
IMW-42 6.45
MW-20 3.95
MW-21 3.66
IMW-45 4.25
IMW-47 5.79
IMW-48 5.71
IMW-46 4.46
PZ-10 3.58
PZ-13 3.64
IMW-58 4.70
MW-22 4.81
PZ-7 6.65
MW-23 7.00
IMW-14 7.31
IMW-13 7.46
IMW-12 7.51
IMW-59 6.97
IMW-60 6.01
IMW-61 6.72
IMW-62 5.75
MW-24 8.58
IMW-22 6.74
IMW-6 6.66
IMW-7 6.67
IMW-8 6.21
IMW-5 6.29
IMW-9
IMW-11
IMW-10
IMW-49 4.68
IMW-57 4.88
IMW-50 4.41
DTSC-MW-1 4.83
DTSC-MW-2 3.78
DTSC-MW-4 6.03
MW-31 6.33
MW-33 6.59
MW-30 6.59
IMW-3 6.81
IMW-4 6.85
IMW-1 6.55
IMW-2 6.56
PZ-9
PZ-11 8.67
PZ-12 9.98
IMW-16
IMW-15
IMW-17
IMW-33
IMW-32
IMW-31 8.08
IMW-30 8.25
IMW-23 9.26
IMW-24 10.15
IMW-25 10.11
MW-25R 10.71
IMW-26 10.66
IMW-27 10.66
IMW-28 10.80
IMW-29
MW-26 11.25
MW-27 10.35

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

Notes:
Elevation are in feet NGVD.
Depth to water measurements were collected on October 2, 2017.
NGVD = National Geodetic Vertical Datum

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

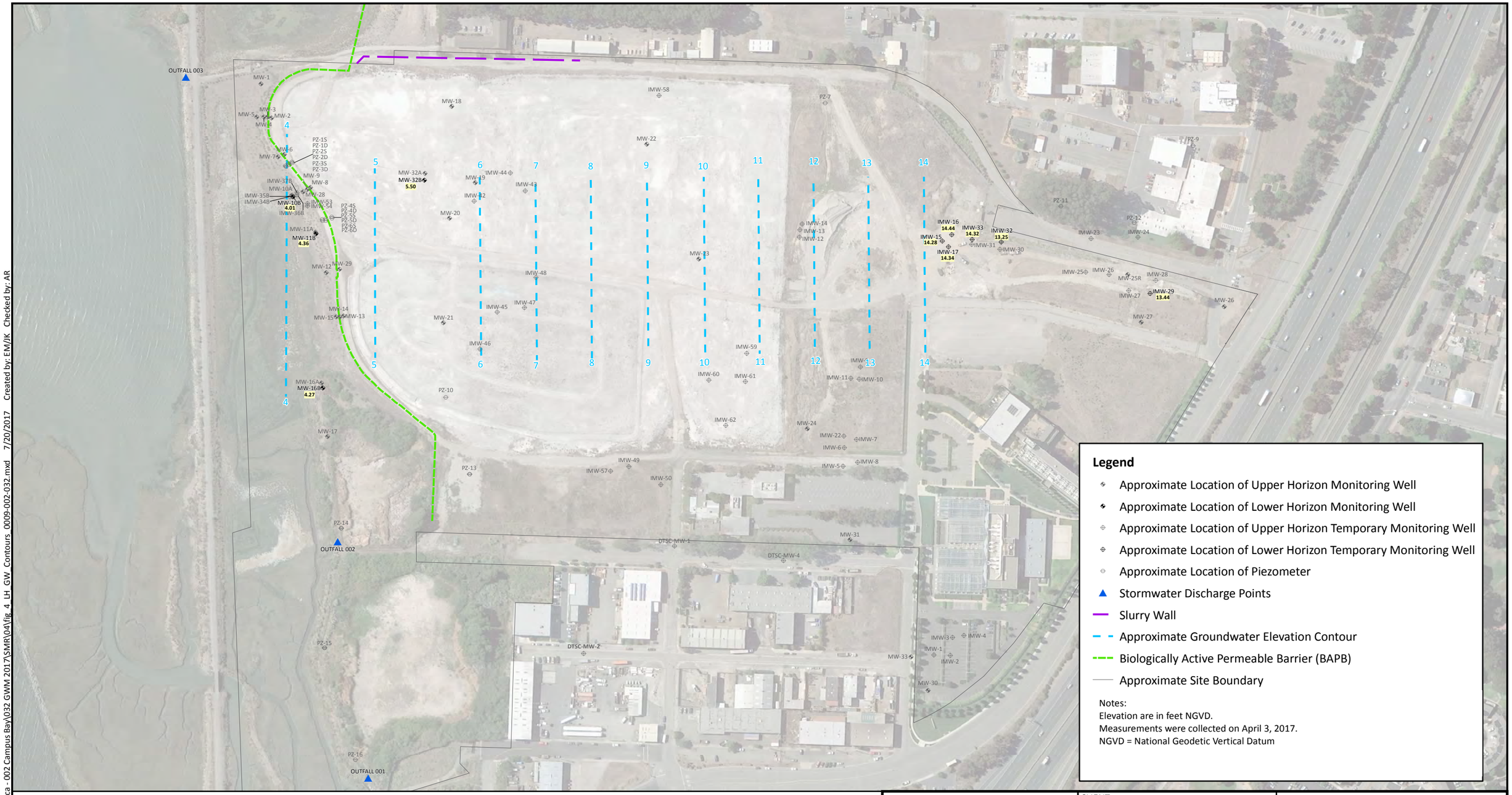
SAFETY FIRST

terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Groundwater Elevation Contours
Upper Horizon
October 2, 2017

FIGURE 3B



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

Notes:
Elevation are in feet NGVD.
Measurements were collected on April 3, 2017.
NGVD = National Geodetic Vertical Datum

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

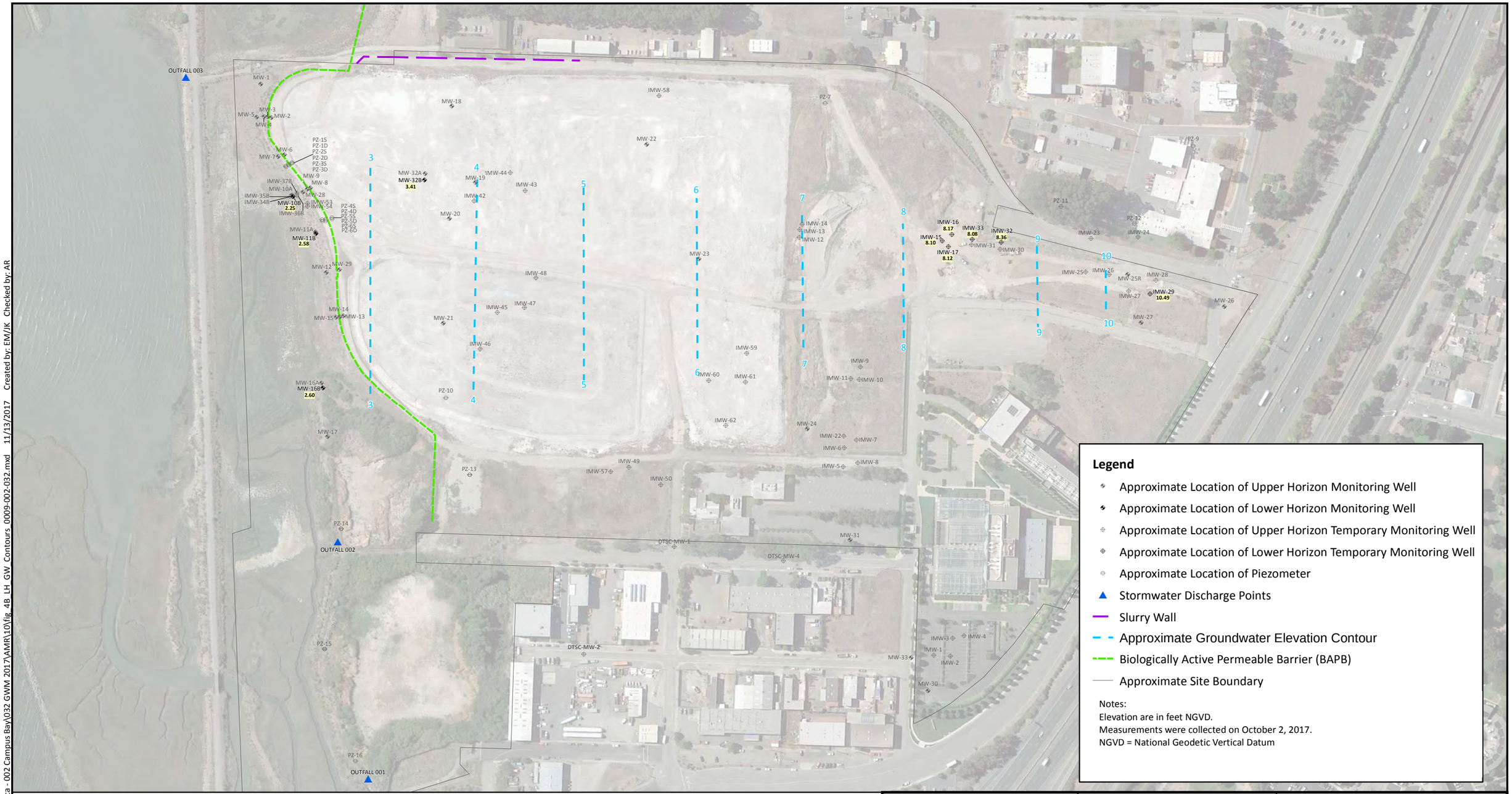
terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Groundwater Elevation Contours
Lower Horizon
April 3, 2017

FIGURE 4A

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\SMR\04\fig_4_LH_GW_Contours_0009-002-032.mxd 7/20/2017 Created by: EM/JK Checked by: AR



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

Notes:
Elevation are in feet NGVD.
Measurements were collected on October 2, 2017.
NGVD = National Geodetic Vertical Datum

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

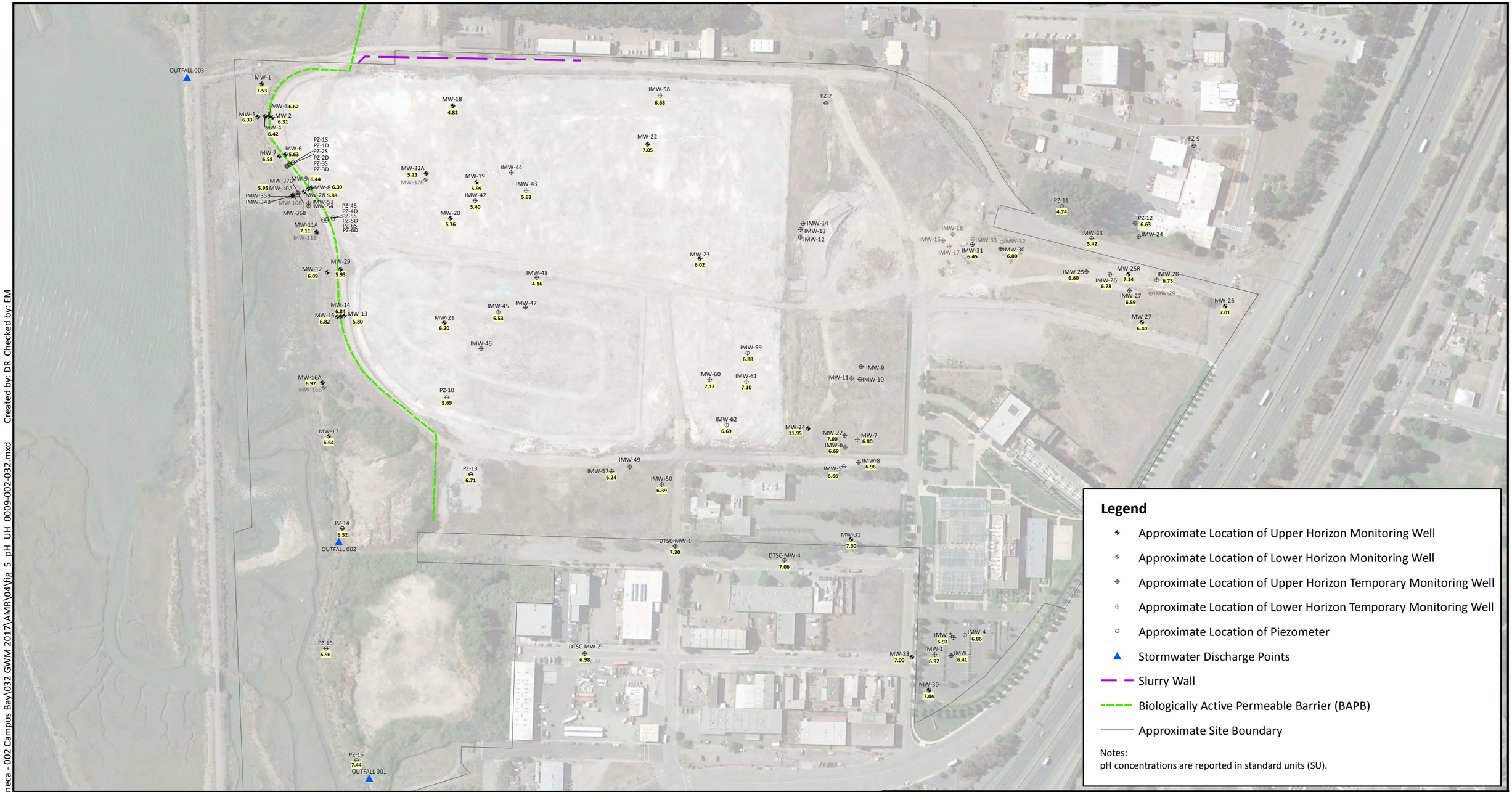
terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Groundwater Elevation Contours
Lower Horizon
October 2, 2017

FIGURE 4B

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\AMR\10\fig_4B_LH_GW_Contours_0009-002-032.mxd 11/13/2017 Created by: EM/JK Checked by: AR



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

Notes:
pH concentrations are reported in standard units (SU).

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

terraphase engineering

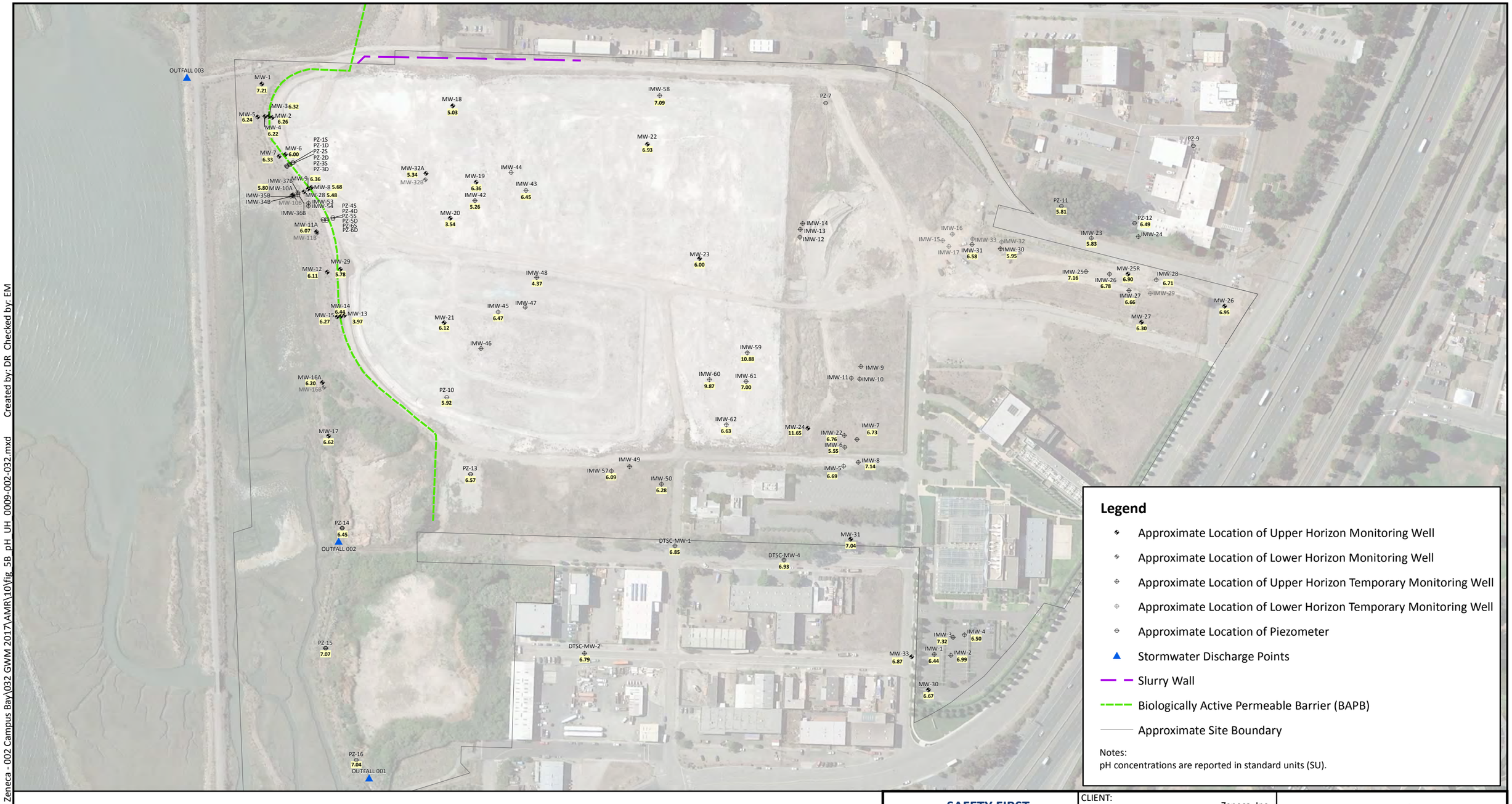
CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Measured pH in Upper Horizon Groundwater April 2017

FIGURE 5A

Created by: DR Checked by: EM

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\AMR\04\fig_5_pH_UH_0009-002-032.mxd



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

Notes:
pH concentrations are reported in standard units (SU).

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

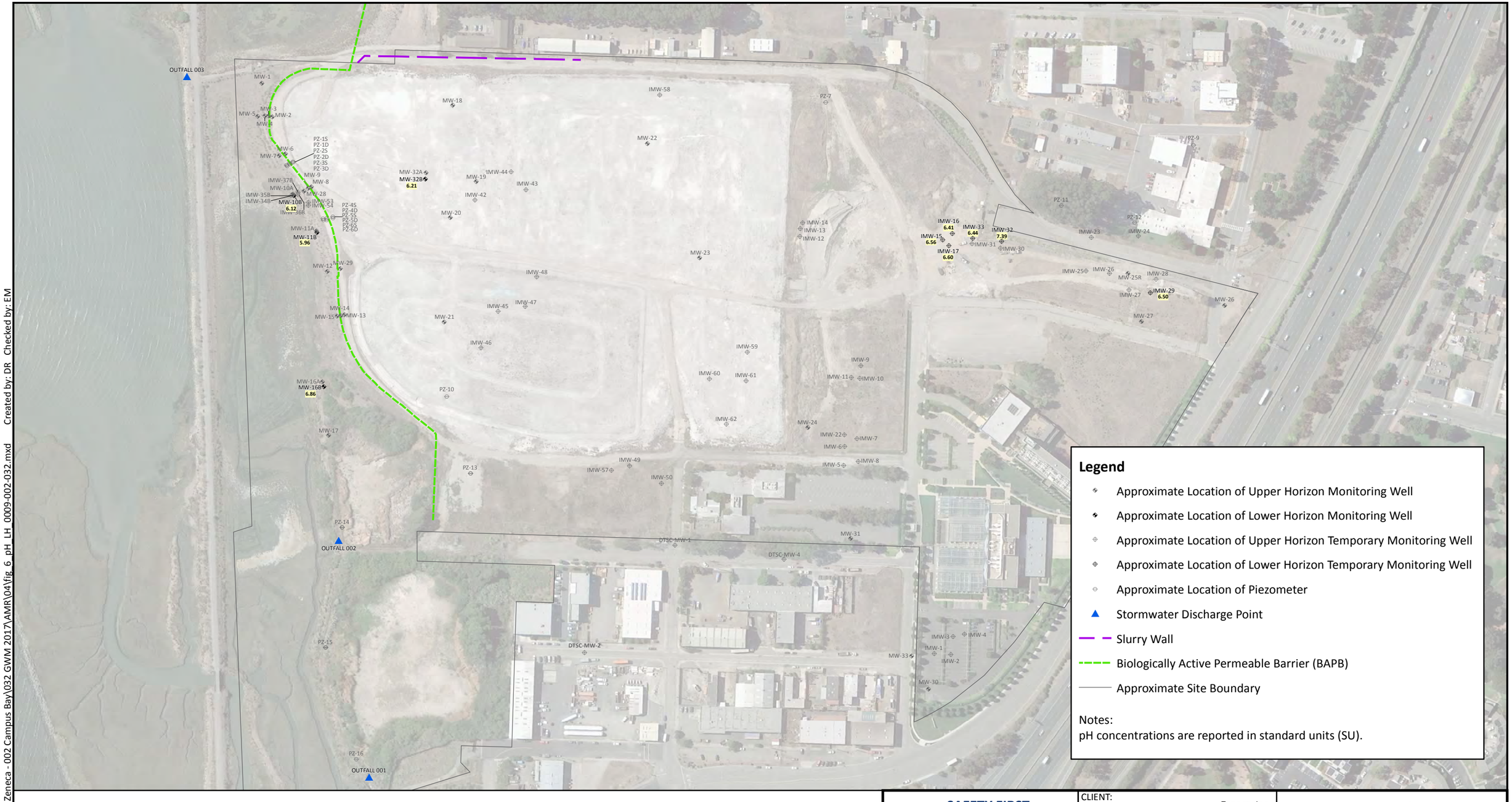
terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Measured pH in Upper Horizon Groundwater October 2017

FIGURE 5B

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\AMR\10\fig_5B_pH_UH_0009-002-032.mxd Created by: DR Checked by: EM



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

Notes:
pH concentrations are reported in standard units (SU).

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

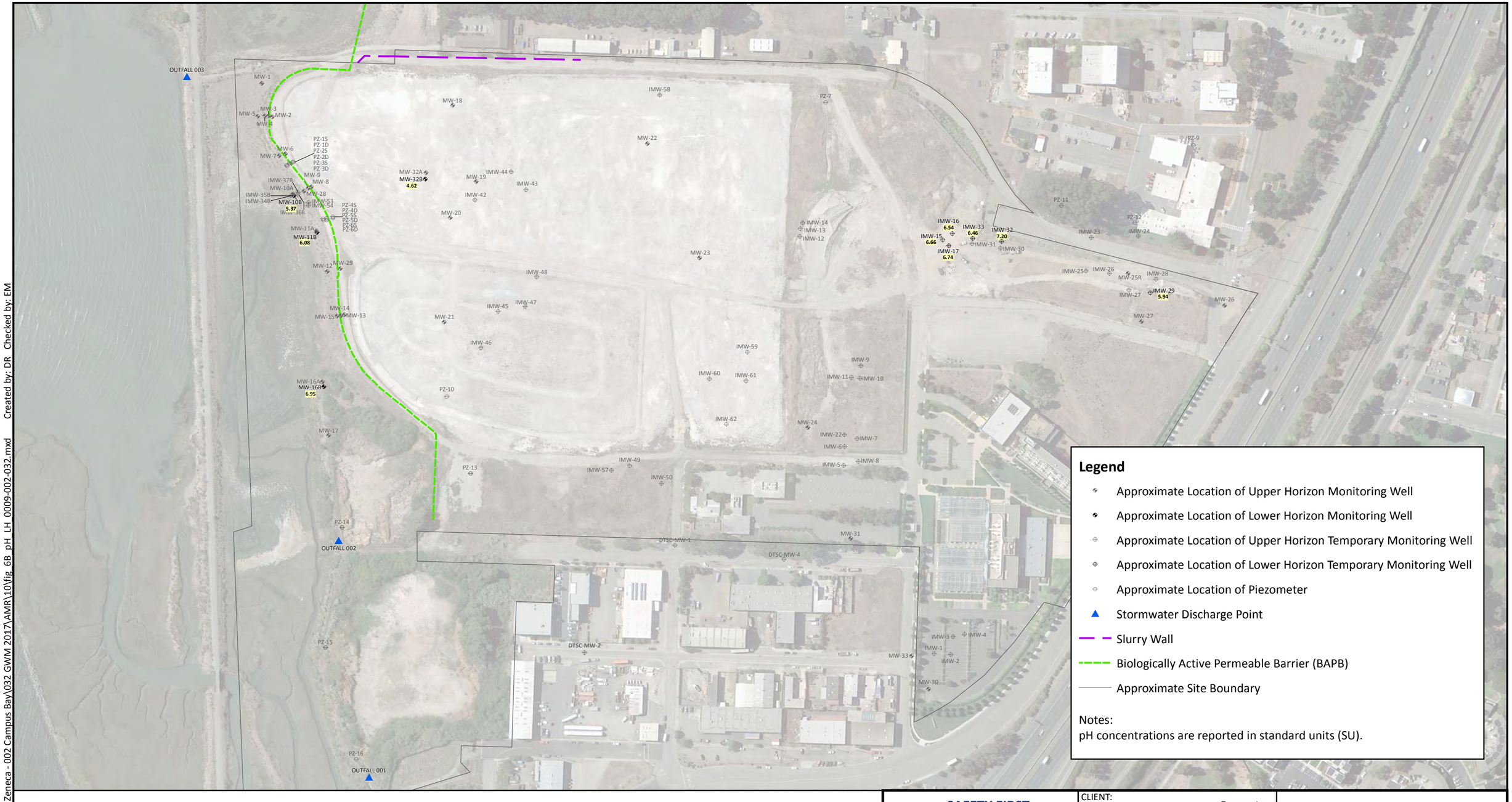
terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Measured pH in Lower Horizon Groundwater April 2017

FIGURE 6A

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\AMR\04\fig_6_pH_LH_0009-002-032.mxd Created by: DR Checked by: EM



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

Notes:
pH concentrations are reported in standard units (SU).

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

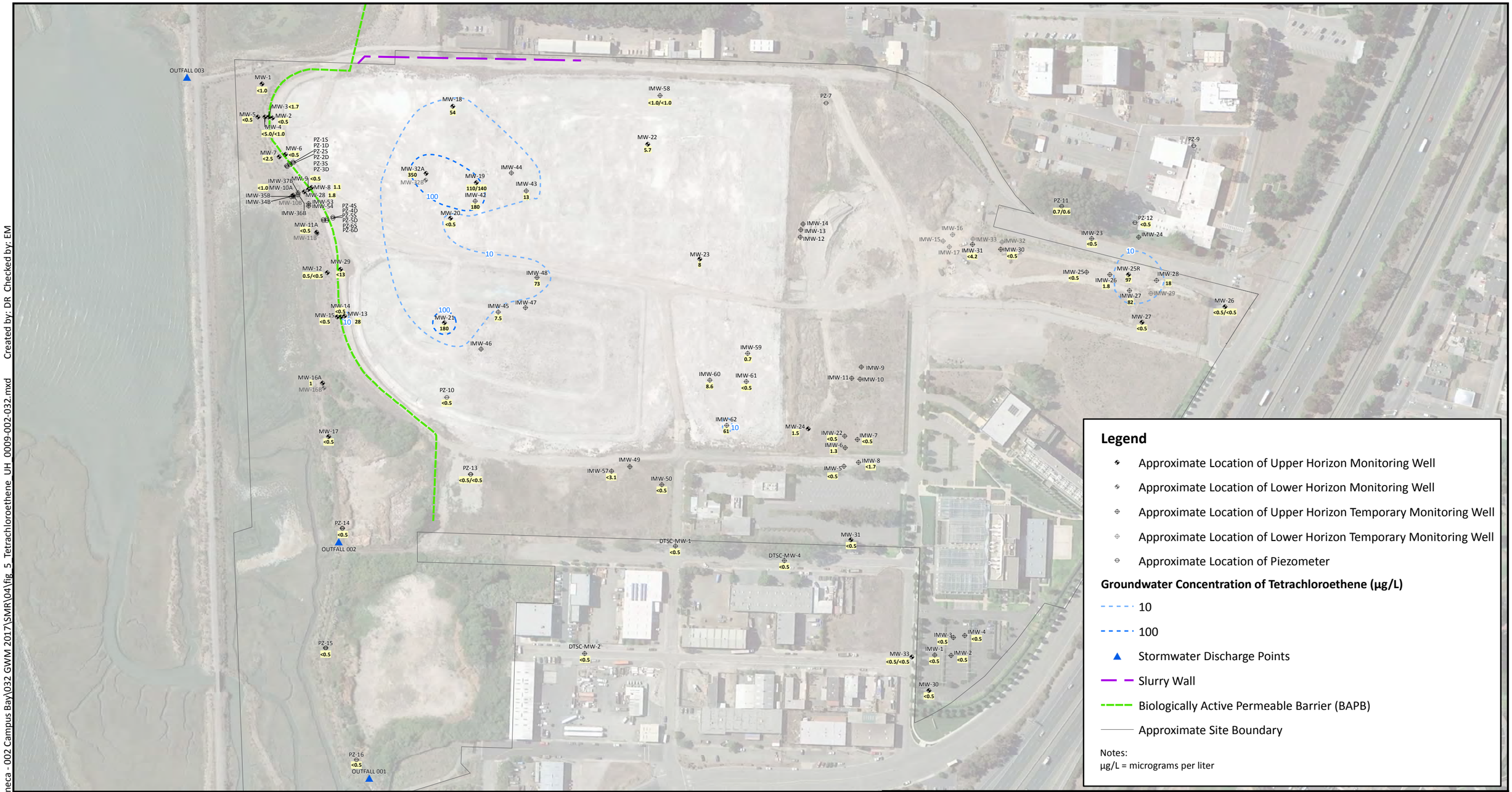
terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Measured pH in Lower Horizon Groundwater October 2017

FIGURE 6B

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\AMR\10\fig_6B_pH_LH_0009-002-032.mxd Created by: DR Checked by: EM



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

Groundwater Concentration of Tetrachloroethene (µg/L)

- 10
- 100
- Stormwater Discharge Points
- Slurry Wall
- Biologically Active Permeable Barrier (BAPB)
- Approximate Site Boundary

Notes:
µg/L = micrograms per liter

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

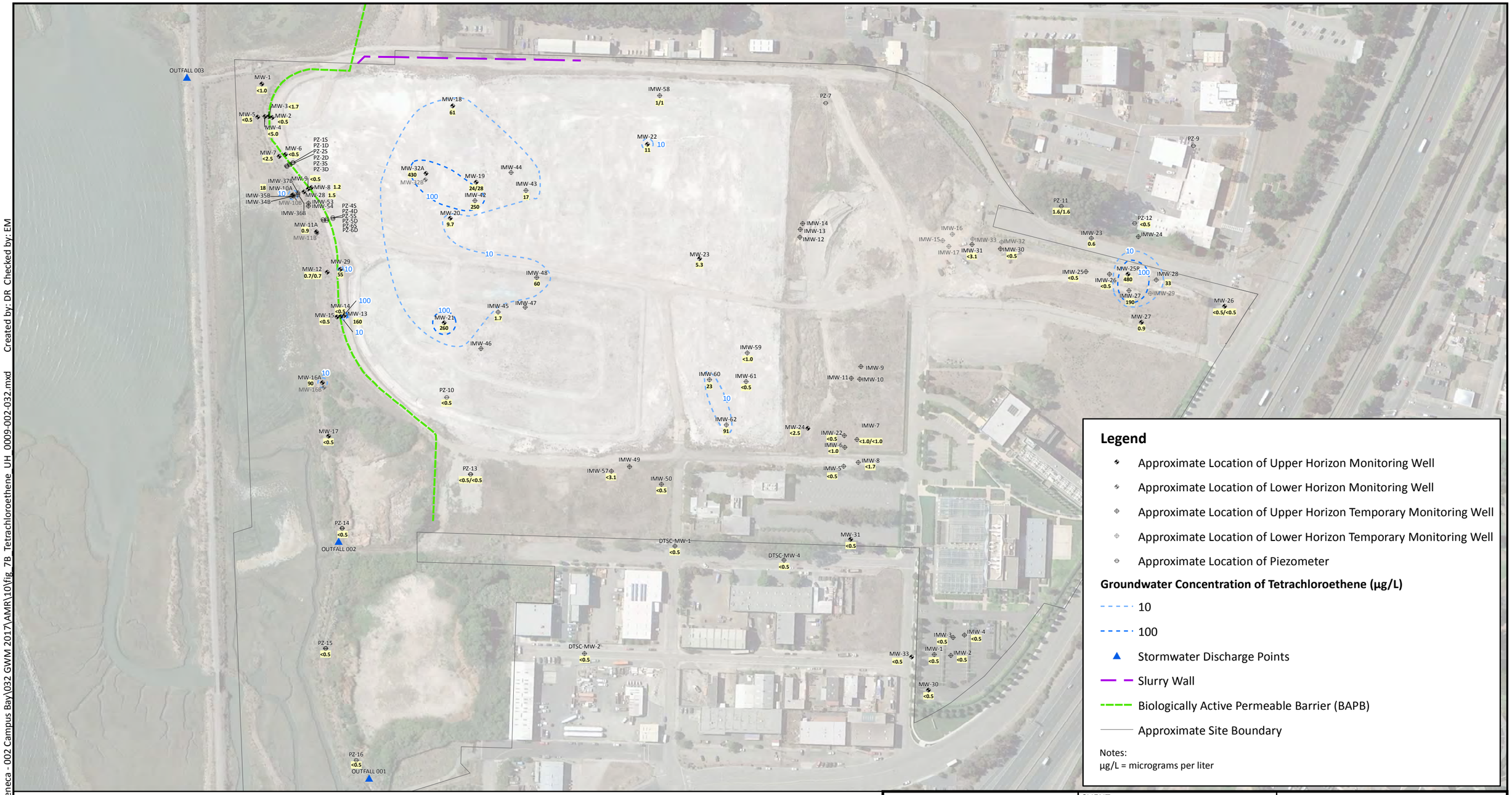
terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of Tetrachloroethene in Upper Horizon Groundwater April 2017

FIGURE 7A

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\SMR\04\fig_5_Tetrachloroethene_UH_0009-002-032.mxd Created by: DR Checked by: EM



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

Groundwater Concentration of Tetrachloroethene (µg/L)

- 10
- 100
- Stormwater Discharge Points
- Slurry Wall
- Biologically Active Permeable Barrier (BAPB)
- Approximate Site Boundary

Notes:
µg/L = micrograms per liter

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of Tetrachloroethene in Upper Horizon Groundwater October 2017

FIGURE 7B

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\AMR\10\fig_7B_Tetrachloroethene_UH_0009-002-032.mxd Created by: DR Checked by: EM

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\032 GWM 2017\SMR\04\fig_6_Tetrachloroethene_LH_0009-002-032.mxd Created by: DR Checked by: EM

OUTFALL 003
OUTFALL 002
OUTFALL 001

MW-1
MW-3
MW-5
MW-2
MW-4
MW-18
IMW-58
PZ-7
MW-22
PZ-9
PZ-1S
PZ-1D
PZ-2S
PZ-2D
PZ-3S
PZ-3D
MW-6
MW-7
MW-9
MW-8
MW-32A
MW-32B
110
MW-19
IMW-44
IMW-43
IMW-42
IMW-37B
MW-10A
IMW-35B
IMW-34B
MW-10B
15
MW-28
IMW-53
IMW-54
IMW-36B
MW-20
PZ-4S
PZ-4D
PZ-5S
PZ-5D
PZ-6S
PZ-6D
MW-11A
MW-11B
47
MW-12
MW-29
MW-23
IMW-48
MW-14
MW-15
MW-13
IMW-45
IMW-47
MW-21
IMW-46
IMW-59
IMW-9
IMW-60
IMW-61
IMW-11
IMW-10
MW-16A
MW-16B
<0.5
PZ-10
IMW-62
MW-24
IMW-22
IMW-7
IMW-6
MW-17
PZ-13
IMW-49
IMW-57
IMW-50
IMW-5
IMW-8
PZ-14
DTSC-MW-1
MW-31
DTSC-MW-4
PZ-15
DTSC-MW-2
IMW-3
IMW-4
IMW-1
IMW-2
MW-33
MW-30
PZ-16
PZ-11
PZ-12
IMW-16
<2.5/<2.5
IMW-33
<2.0
IMW-32
<0.5
IMW-15
<2.5
IMW-17
<3.6
IMW-14
IMW-13
IMW-12
IMW-31
IMW-30
IMW-23
IMW-24
IMW-25
IMW-26
MW-25R
IMW-28
IMW-27
IMW-29
<2.5
MW-26
MW-27

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

Notes:
Tetrachloroethene concentrations are reported in micrograms per liter.

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

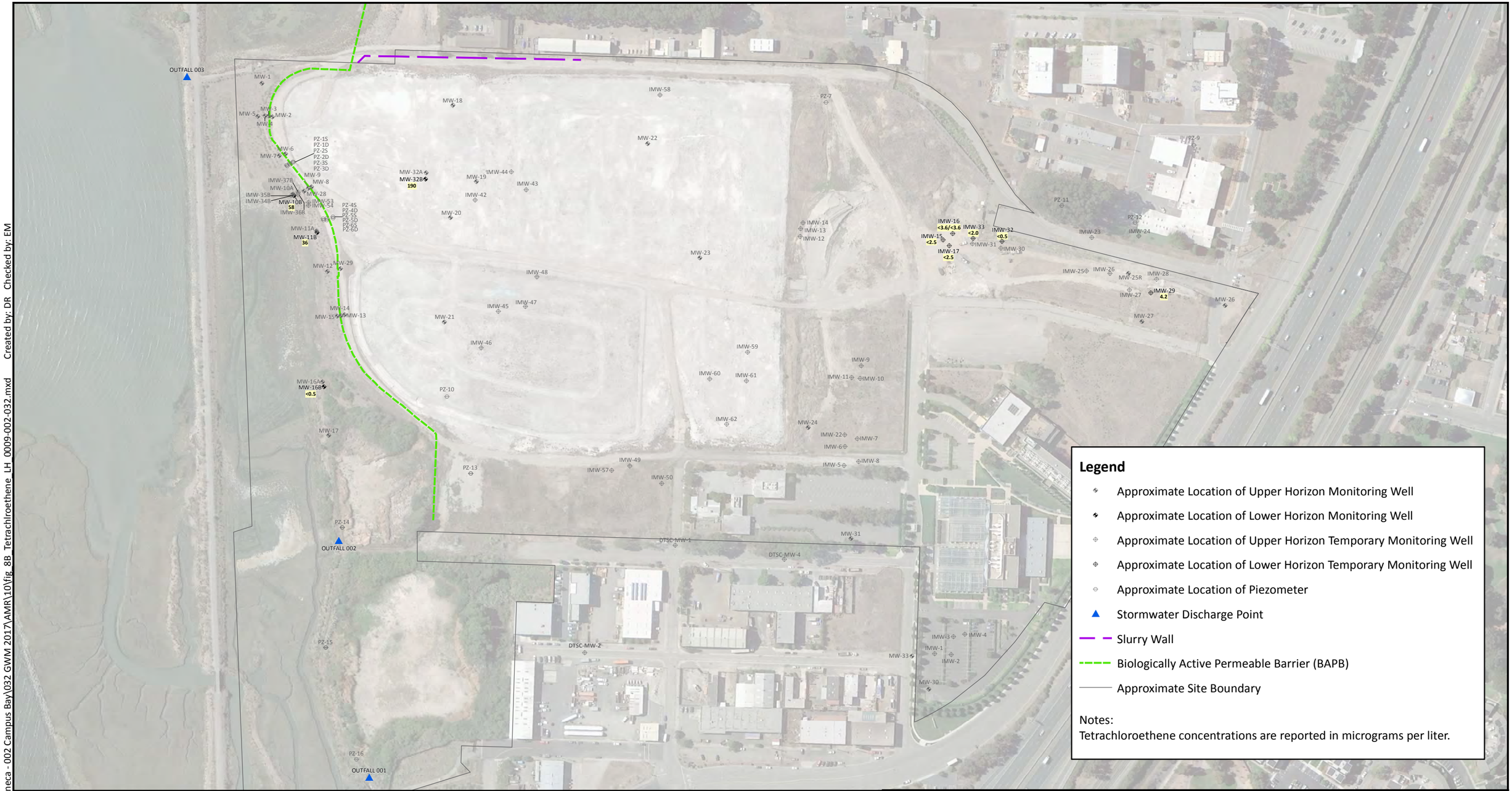
SAFETY FIRST

terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of Tetrachloroethene in Lower Horizon Groundwater April 2017

FIGURE 8A



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

Notes:
Tetrachloroethene concentrations are reported in micrograms per liter.

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

terraphase engineering

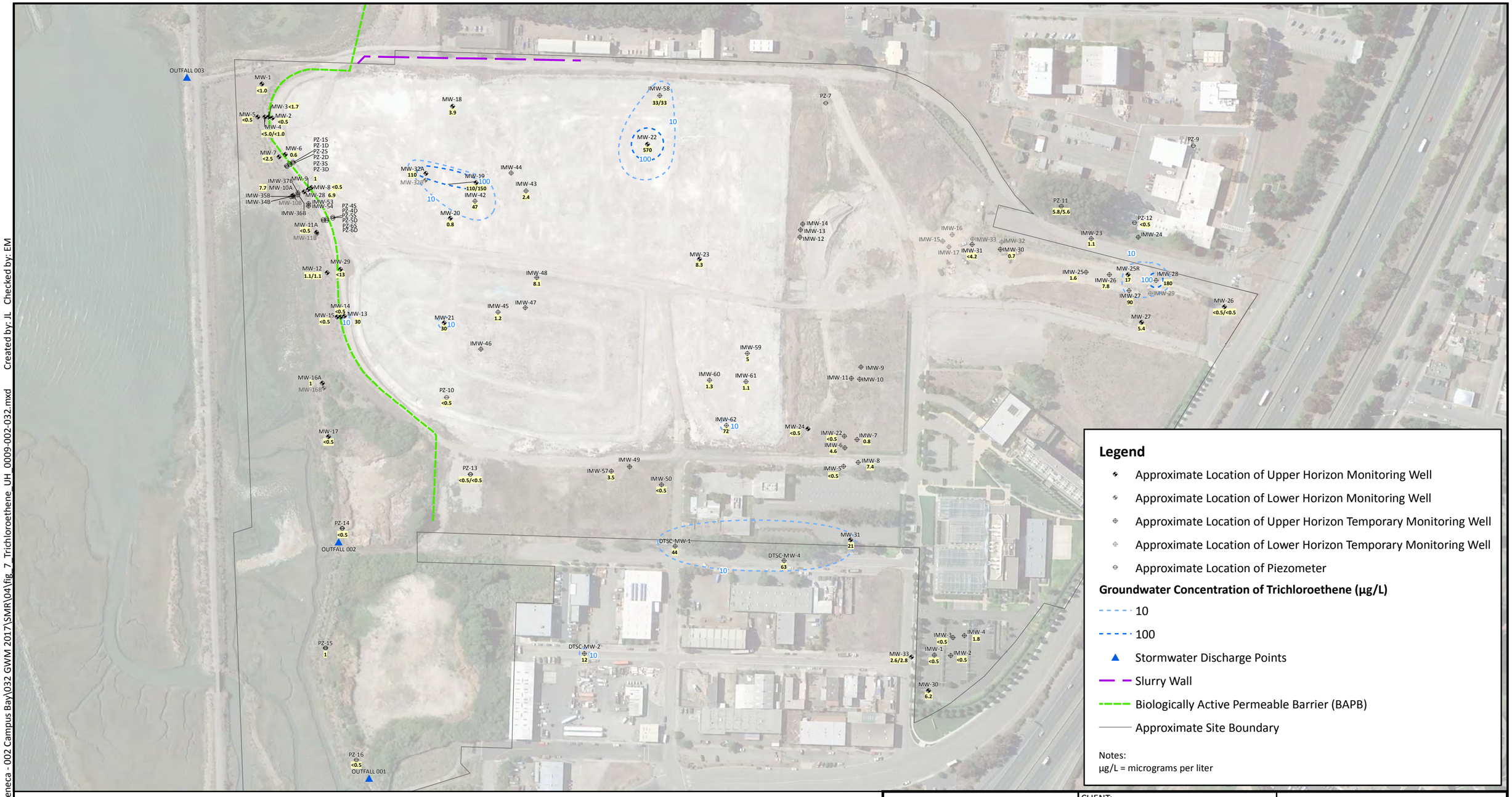
CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of Tetrachloroethene in Lower Horizon Groundwater October 2017

FIGURE 8B

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\AMR\10\fig_8B_Tetrachloroethene_LH_0009-002-032.mxd Created by: DR Checked by: EM

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\SMR\04\fig_7_Trichloroethene_UH_0009-002-032.mxd Created by: JL Checked by: EM



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

Groundwater Concentration of Trichloroethene (µg/L)

- 10
- 100
- Stormwater Discharge Points
- Slurry Wall
- Biologically Active Permeable Barrier (BAPB)
- Approximate Site Boundary

Notes:
µg/L = micrograms per liter

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

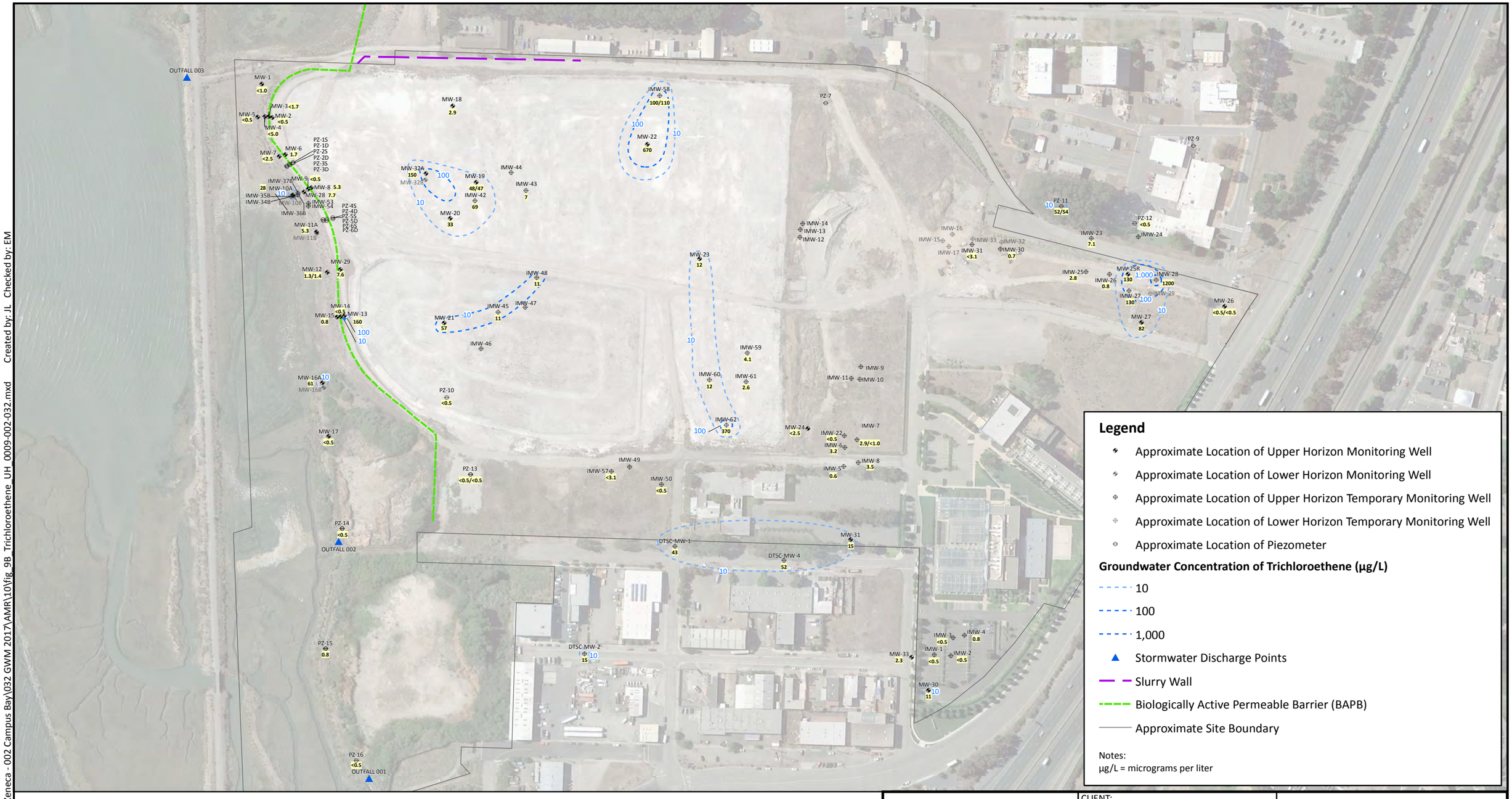
terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of Trichloroethene in Upper Horizon Groundwater April 2017

FIGURE 9A

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\AMR\10\fig_9B_Trichloroethene_UH_0009-002-032.mxd Created by: JL Checked by: EM



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

Groundwater Concentration of Trichloroethene (µg/L)

- 10
- 100
- 1,000
- Stormwater Discharge Points
- Slurry Wall
- Biologically Active Permeable Barrier (BAPB)
- Approximate Site Boundary

Notes:
µg/L = micrograms per liter

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

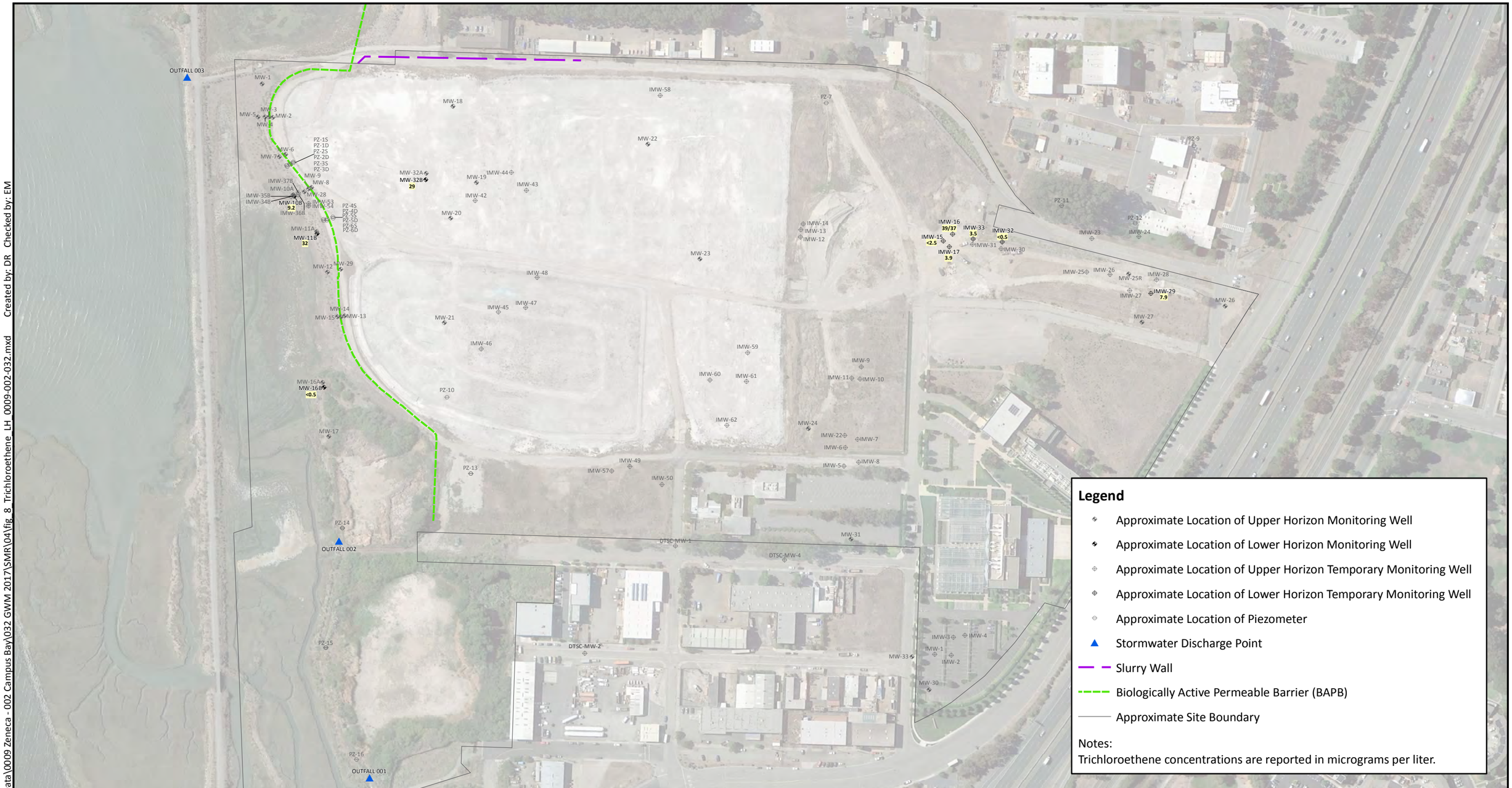
SAFETY FIRST

terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of Trichloroethene in Upper Horizon Groundwater October 2017

FIGURE 9B



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

Notes:
Trichloroethene concentrations are reported in micrograms per liter.

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

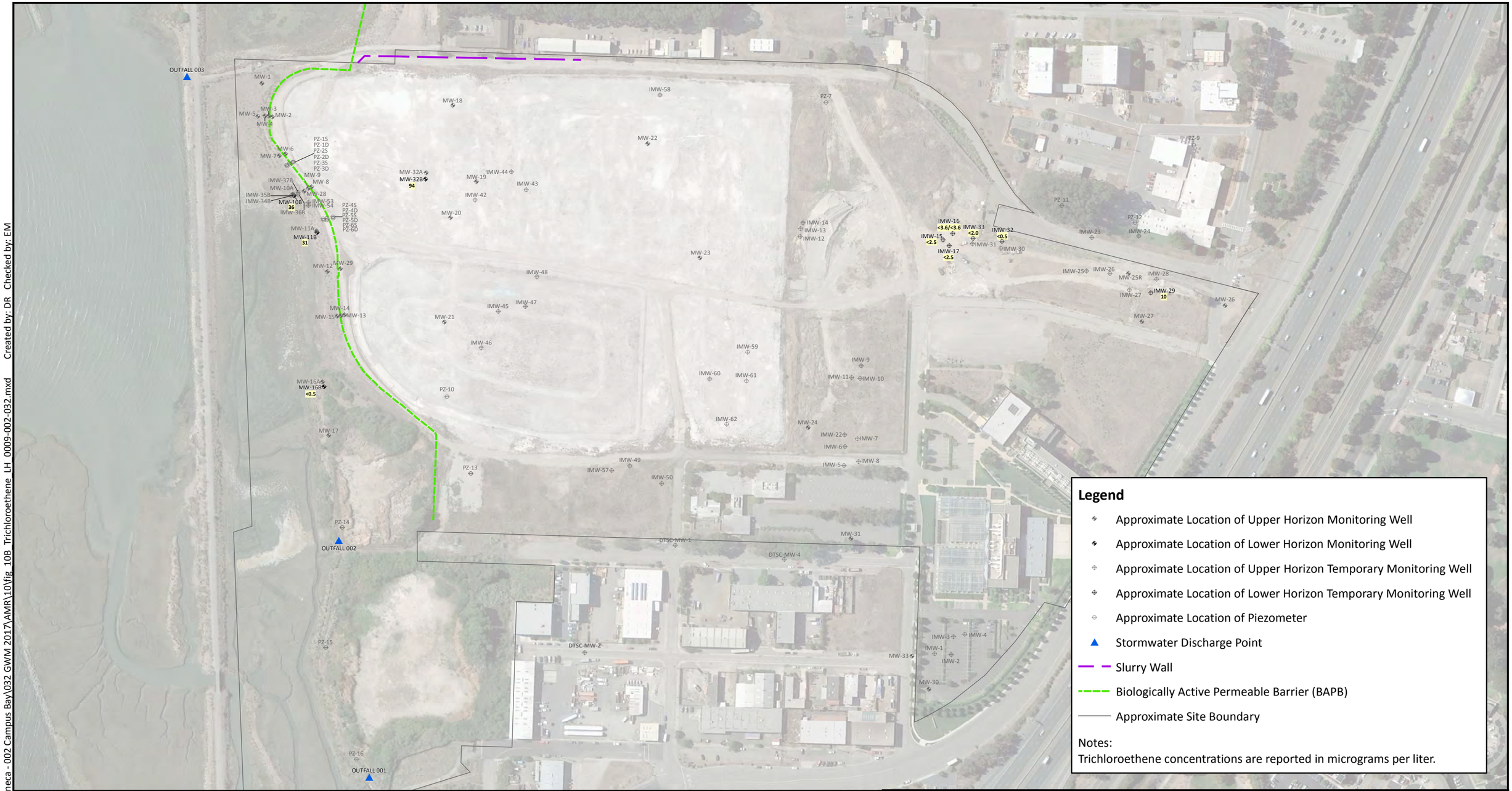
terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of Trichloroethene in Lower Horizon Groundwater April 2017

FIGURE 10A

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\032 GWM 2017\SMR\04\fig_8_Trichloroethene_LH_0009-002-032.mxd Created by: DR Checked by: EM



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

Notes:
Trichloroethene concentrations are reported in micrograms per liter.

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

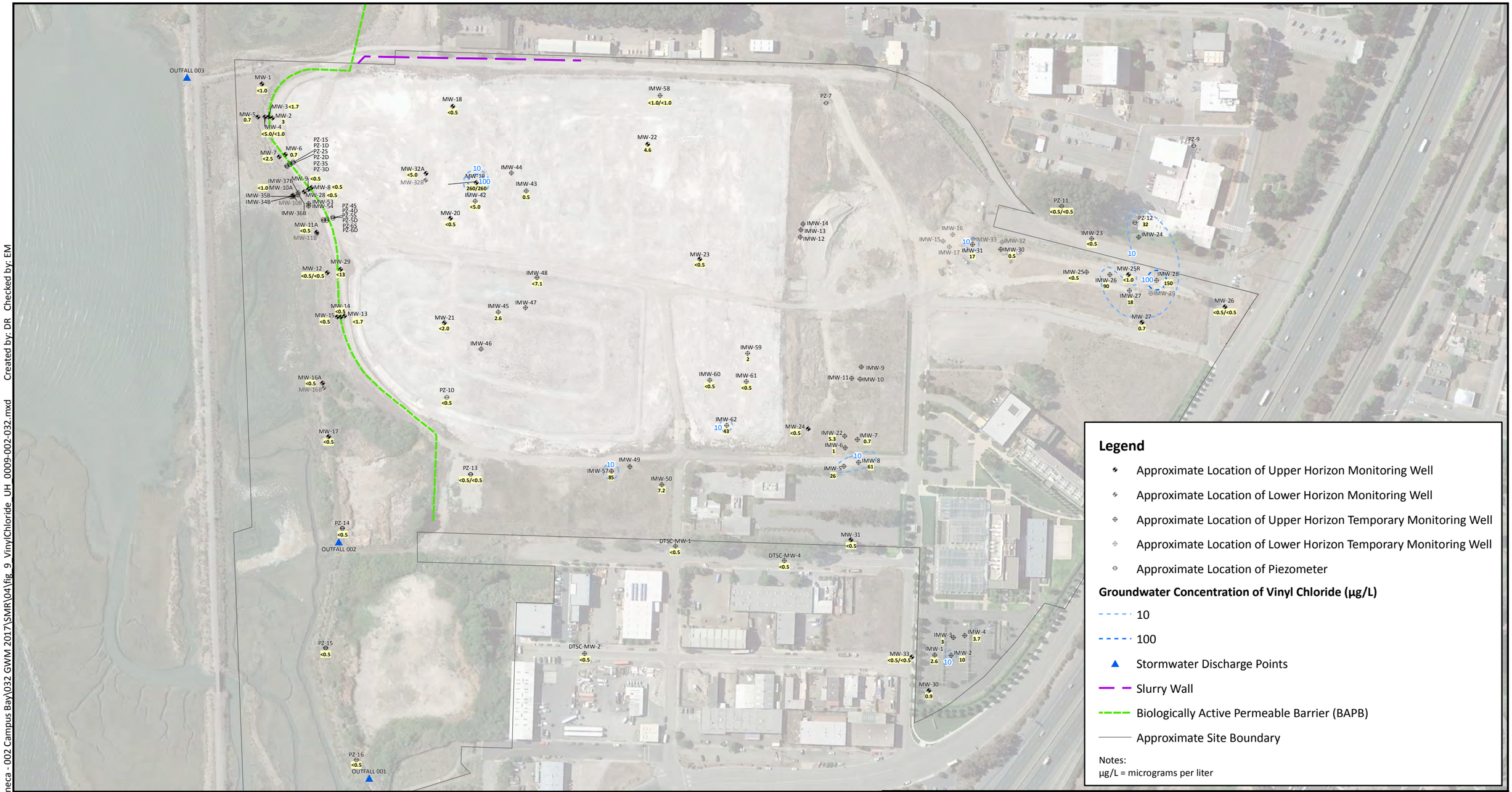
terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of Trichloroethene in Lower Horizon Groundwater October 2017

FIGURE 10B

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\AMR\10\fig_10B_Trichloroethene_LH_0009-002-032.mxd Created by: DR Checked by: EM



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

Groundwater Concentration of Vinyl Chloride (µg/L)

- 10
- 100
- Stormwater Discharge Points
- Slurry Wall
- Biologically Active Permeable Barrier (BAPB)
- Approximate Site Boundary

Notes:
µg/L = micrograms per liter

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

terraphase engineering

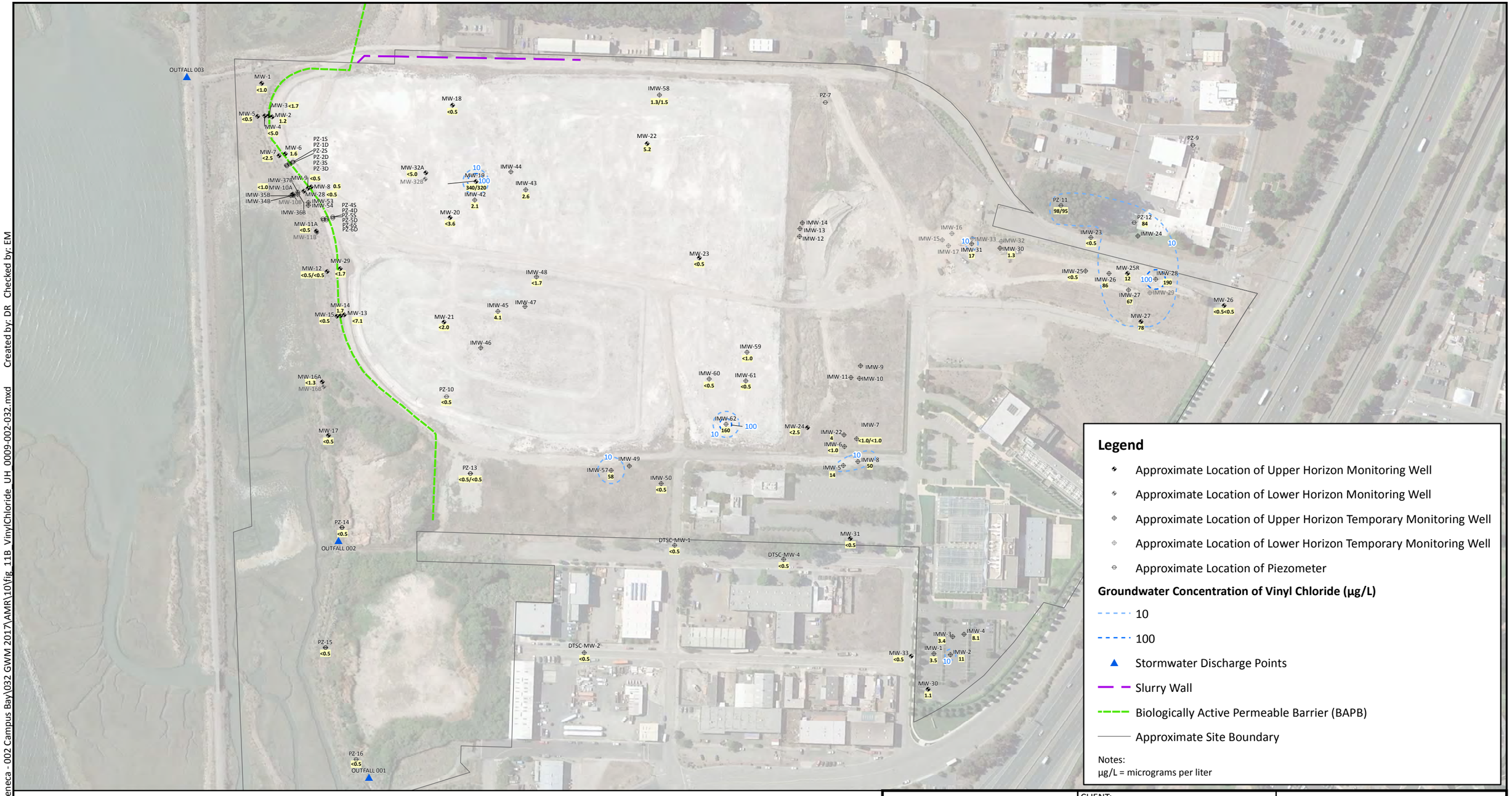
CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of Vinyl Chloride in Upper Horizon Groundwater April 2017

FIGURE 11A

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\SMR\04\fig_9_VinylChloride_UH_0009-002-032.mxd Created by: DR Checked by: EM

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\AMR\10\fig_11B_VinylChloride_UH_0009-002-032.mxd Created by: DR Checked by: EM



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

Groundwater Concentration of Vinyl Chloride (µg/L)

- 10
- 100
- Stormwater Discharge Points
- Slurry Wall
- Biologically Active Permeable Barrier (BAPB)
- Approximate Site Boundary

Notes:
µg/L = micrograms per liter

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

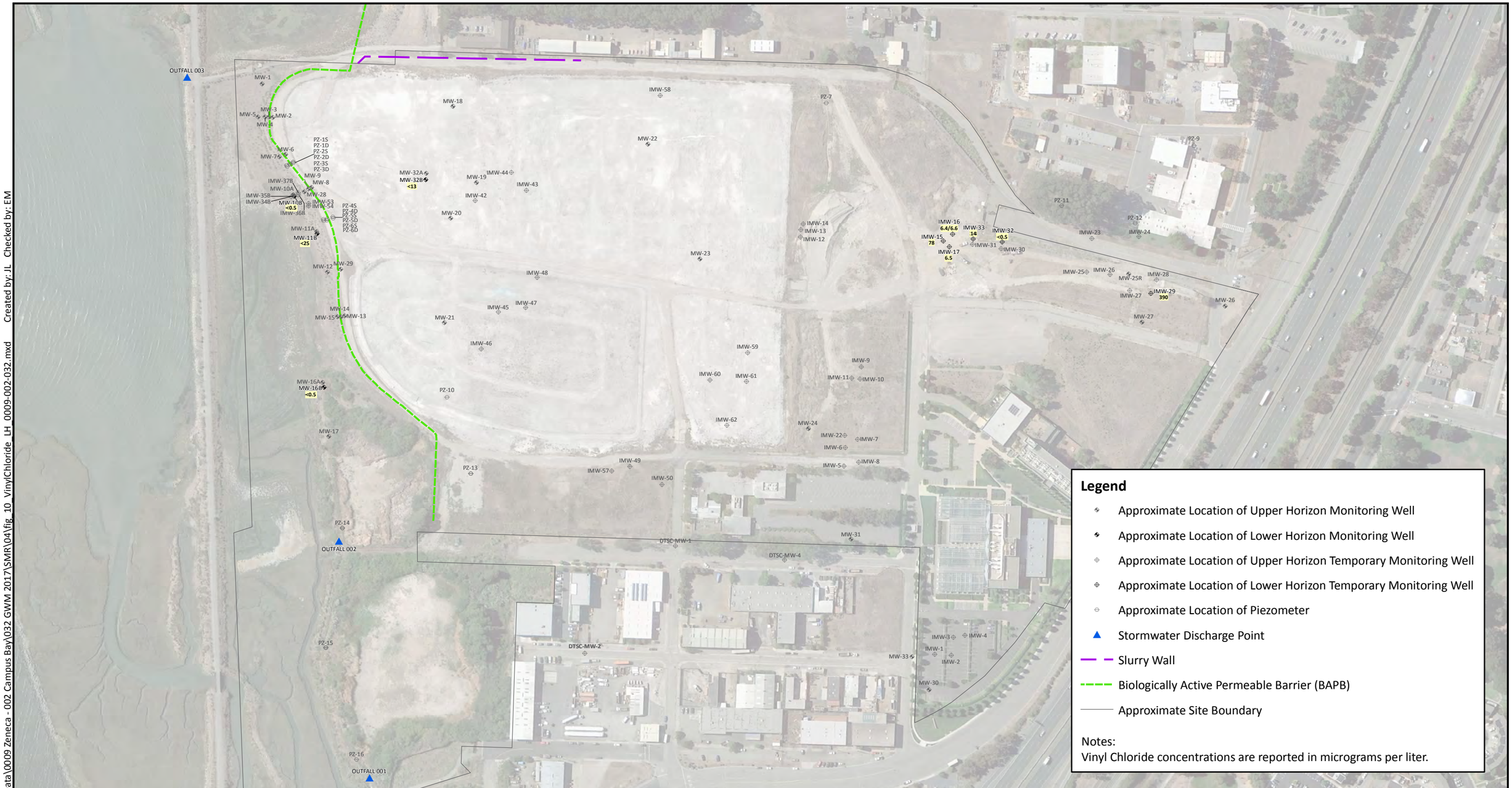
SAFETY FIRST

terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of Vinyl Chloride in Upper Horizon Groundwater October 2017

FIGURE 11B



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

Notes:
Vinyl Chloride concentrations are reported in micrograms per liter.

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

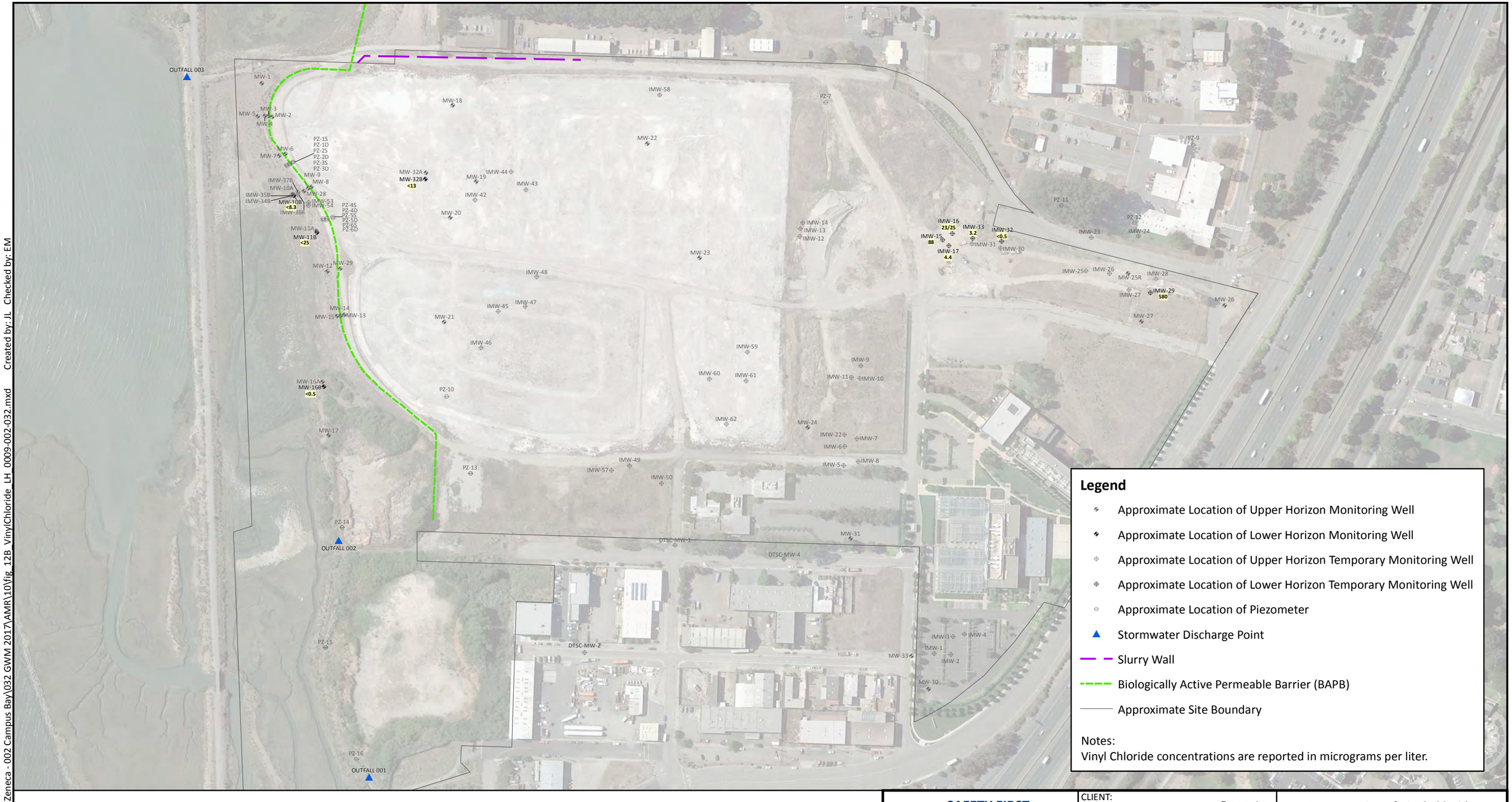
terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of Vinyl Chloride in Lower Horizon Groundwater April 2017

FIGURE 12A

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\032 GWM 2017\SMR\04\fig_10_VinylChloride_LH_0009-002-032.mxd Created by: JL Checked by: EM



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

Notes:
Vinyl Chloride concentrations are reported in micrograms per liter.

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

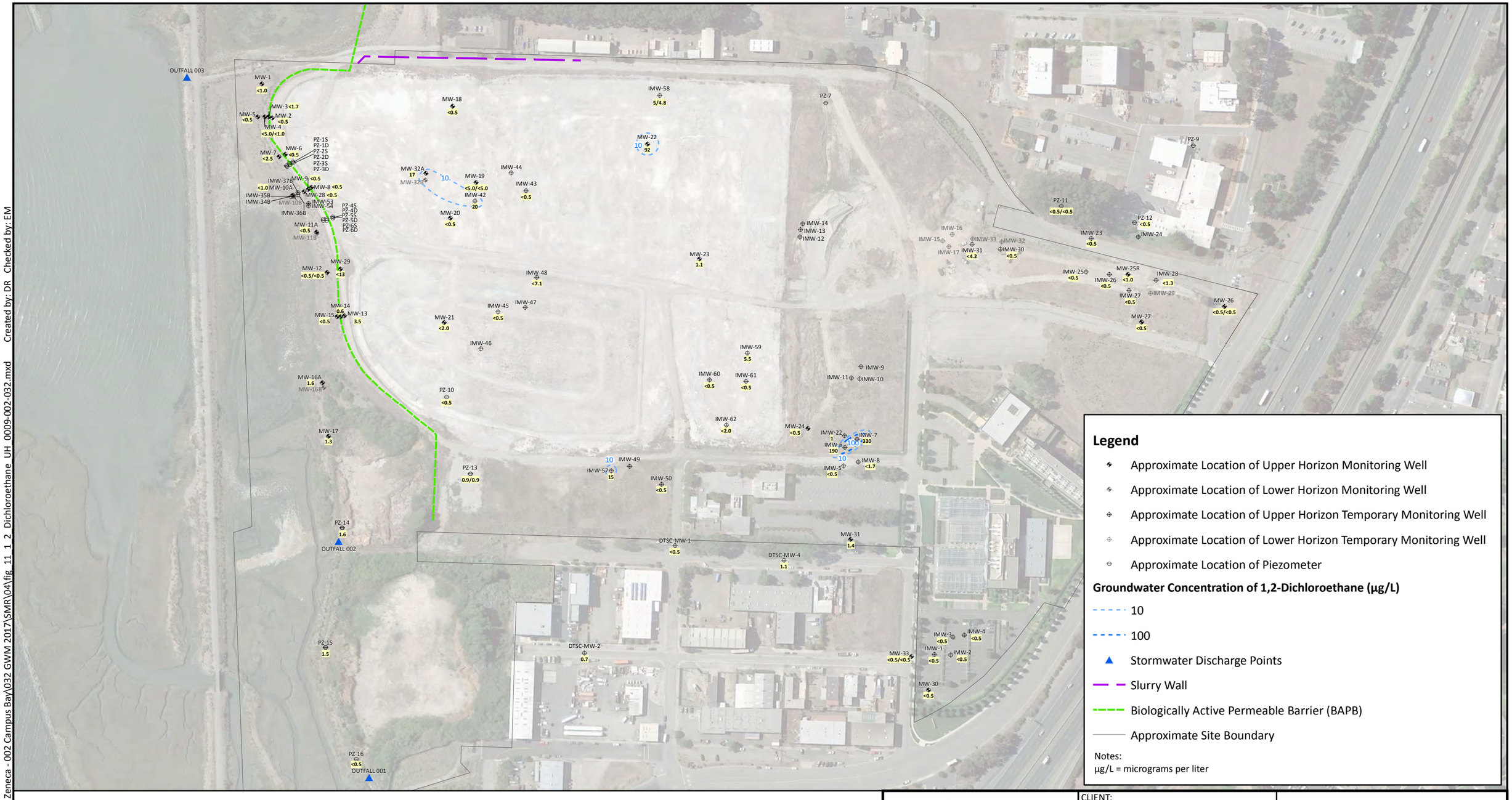
terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of Vinyl Chloride in Lower Horizon Groundwater October 2017

FIGURE 12B

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\AMR\10\fig_12B_VinylChloride_LH_0009-002-032.mxd Created by: JL Checked by: EM



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

Groundwater Concentration of 1,2-Dichloroethane (µg/L)

- 10
- 100
- Stormwater Discharge Points
- Slurry Wall
- Biologically Active Permeable Barrier (BAPB)
- Approximate Site Boundary

Notes:
µg/L = micrograms per liter

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

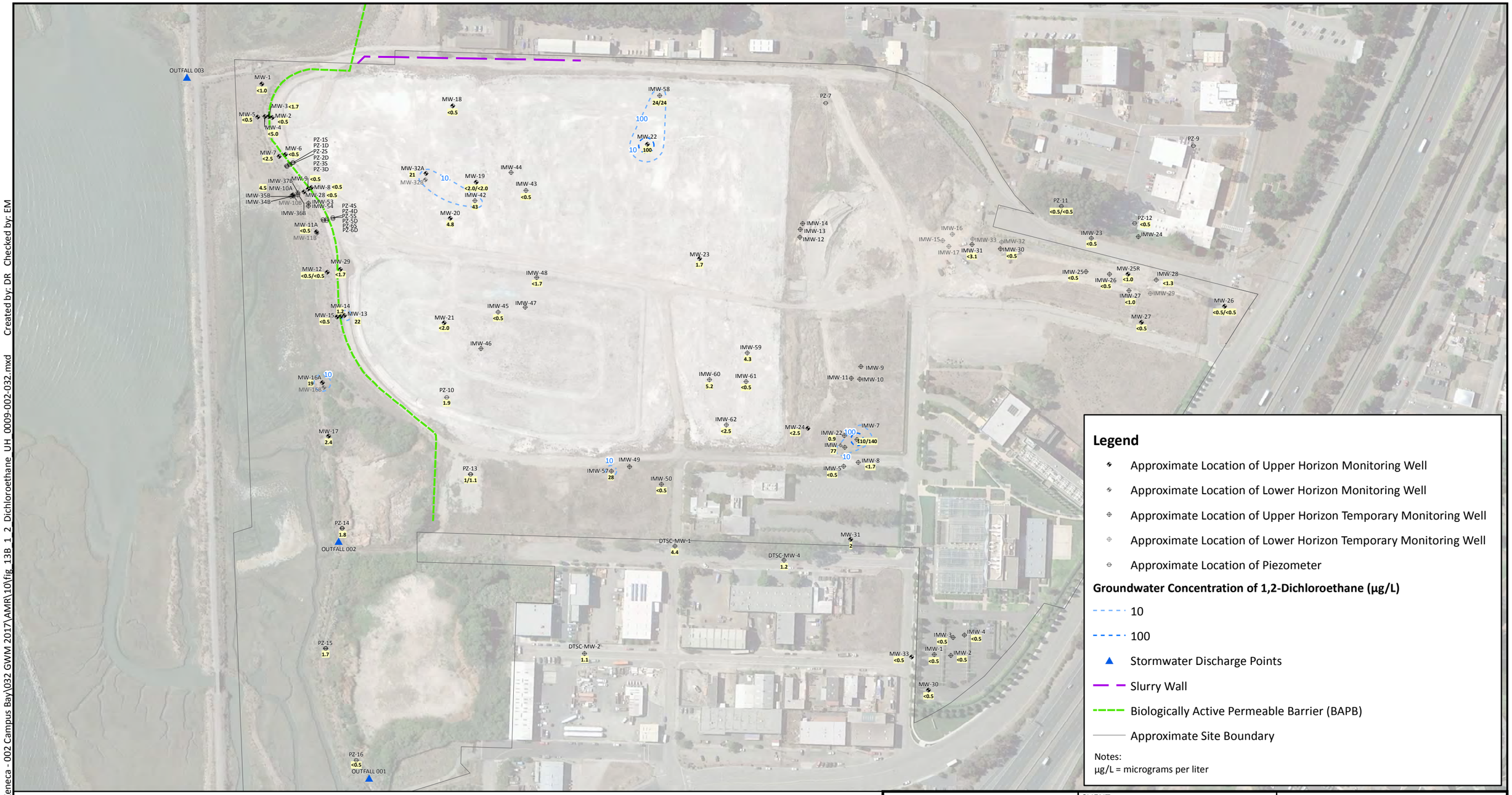
terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of 1,2-Dichloroethane in Upper Horizon Groundwater April 2017

FIGURE 13A

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\SMR\04\fig_11_1_2_Dichloroethane_UH_0009-002-032.mxd Created by: DR Checked by: EM



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

Groundwater Concentration of 1,2-Dichloroethane (µg/L)

- 10
- 100
- Stormwater Discharge Points
- Slurry Wall
- Biologically Active Permeable Barrier (BAPB)
- Approximate Site Boundary

Notes:
µg/L = micrograms per liter

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

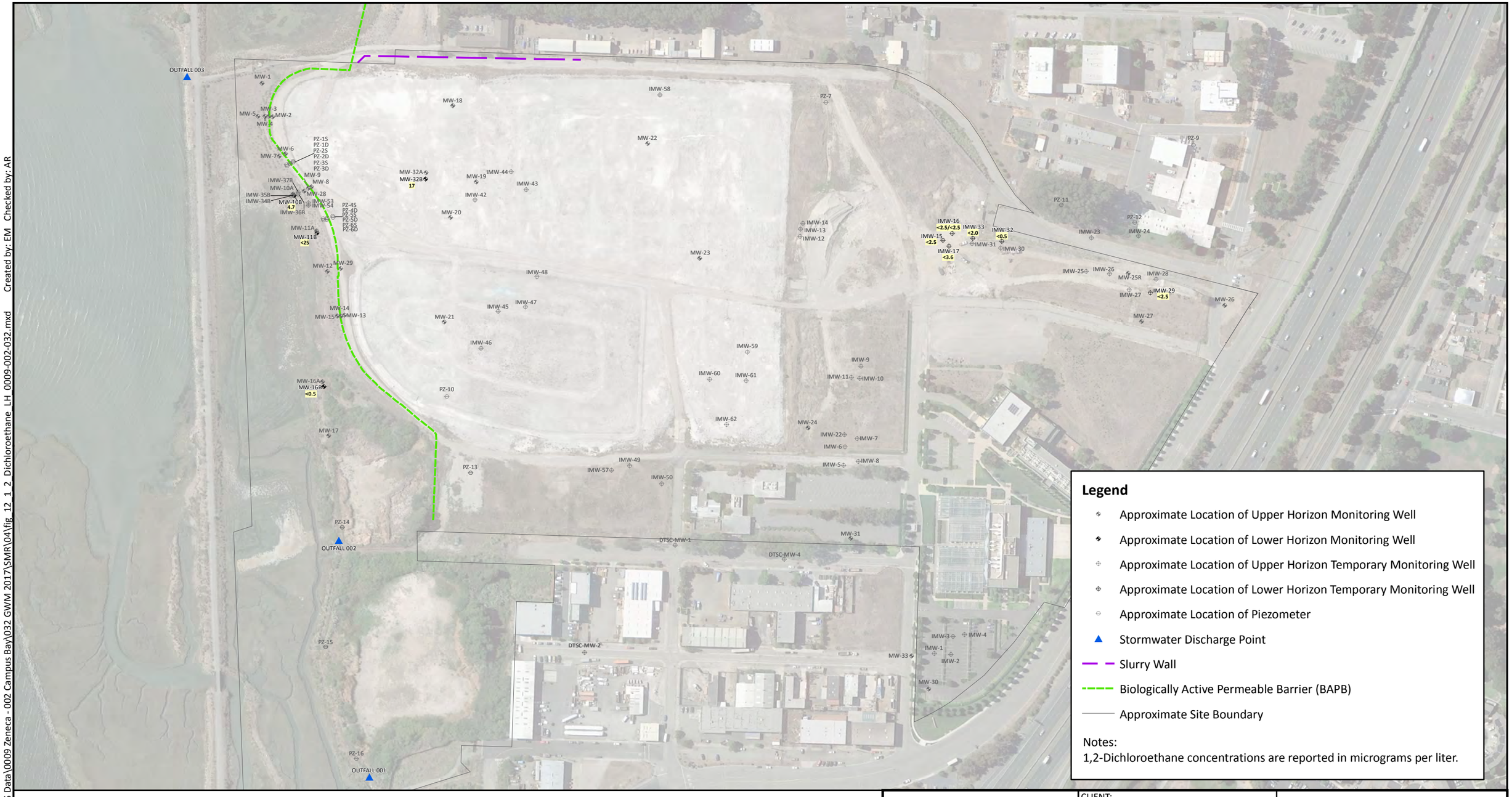
terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of 1,2-Dichloroethane in Upper Horizon Groundwater October 2017

FIGURE 13B

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\AMR\10\fig_13B_1_2_Dichloroethane_UH_0009-002-032.mxd Created by: DR Checked by: EM



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

Notes:
1,2-Dichloroethane concentrations are reported in micrograms per liter.

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

terraphase engineering

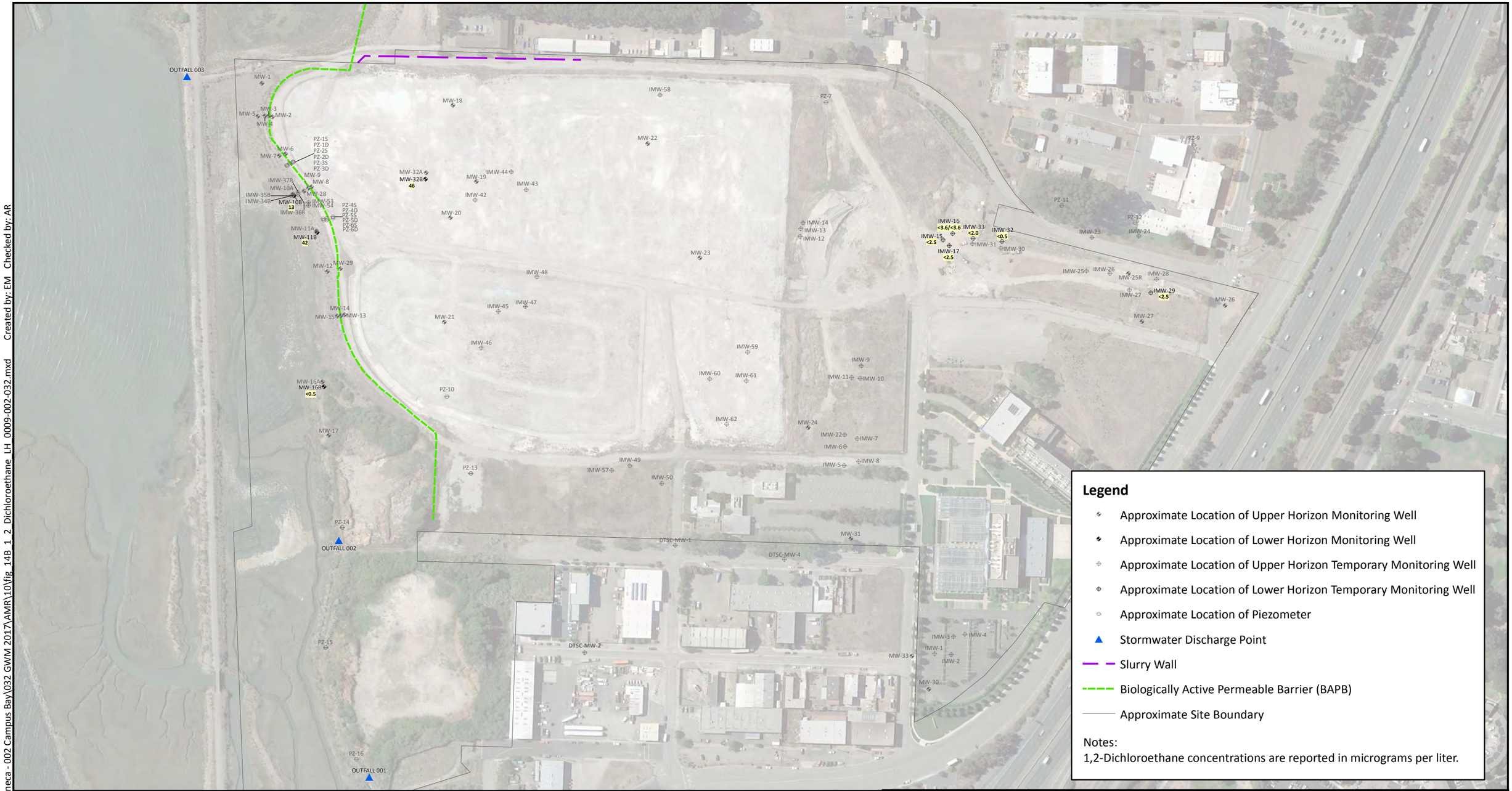
CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of 1,2-Dichloroethane in Lower Horizon Groundwater April 2017

FIGURE 14A

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\032 GWM 2017\SMR\04\fig_12_1_2_Dichloroethane_LH_0009-002-032.mxd Created by: EM Checked by: AR

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\AMR\10\fig_14B_1_2_Dichloroethane_LH_0009-002-032.mxd Created by: EM Checked by: AR



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

Notes:
1,2-Dichloroethane concentrations are reported in micrograms per liter.

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

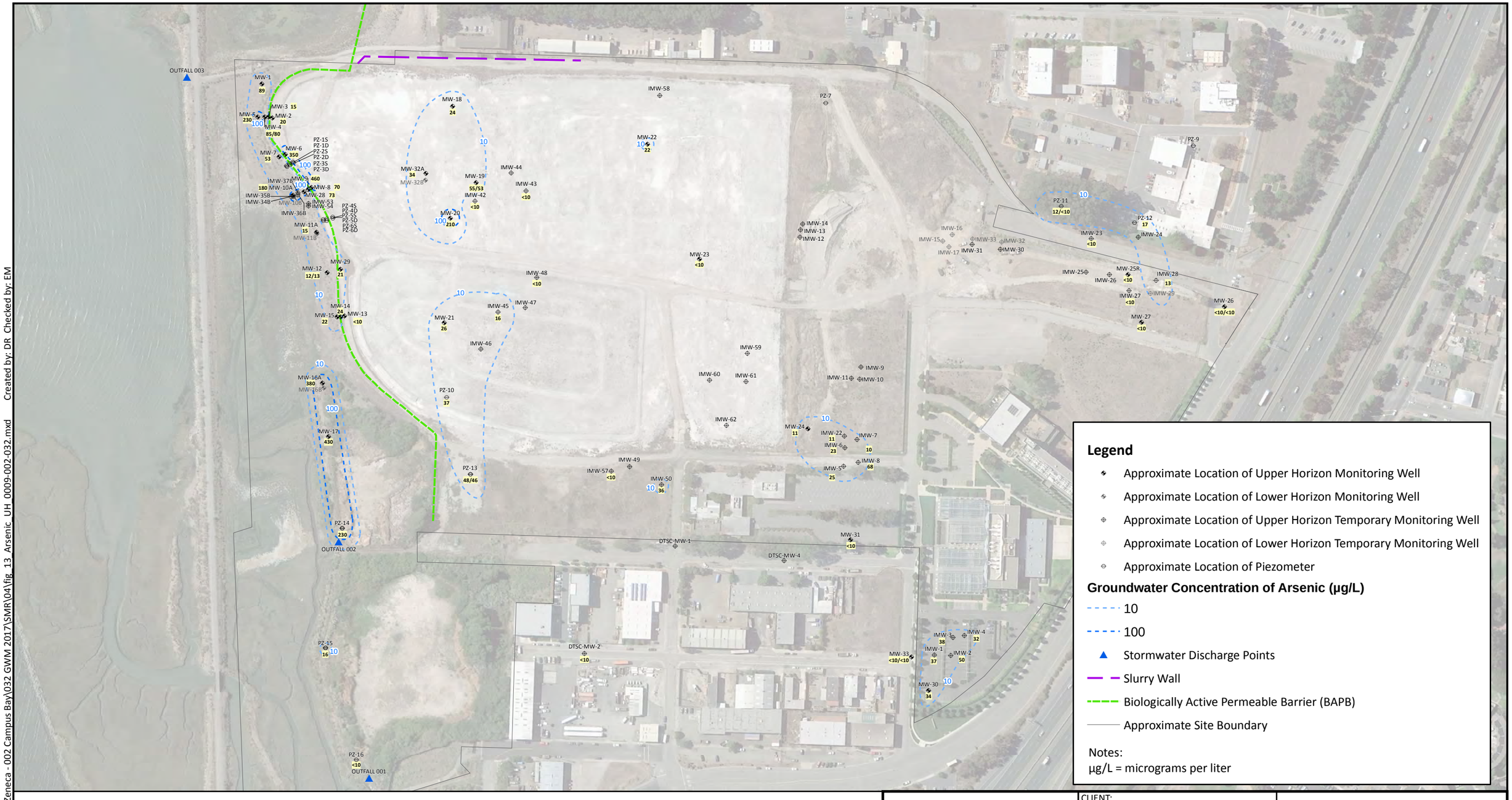
SAFETY FIRST

terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of 1,2-Dichloroethane in Lower Horizon Groundwater October 2017

FIGURE 14B



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

Groundwater Concentration of Arsenic (µg/L)

- 10
- 100
- Stormwater Discharge Points
- Slurry Wall
- Biologically Active Permeable Barrier (BAPB)
- Approximate Site Boundary

Notes:
µg/L = micrograms per liter

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

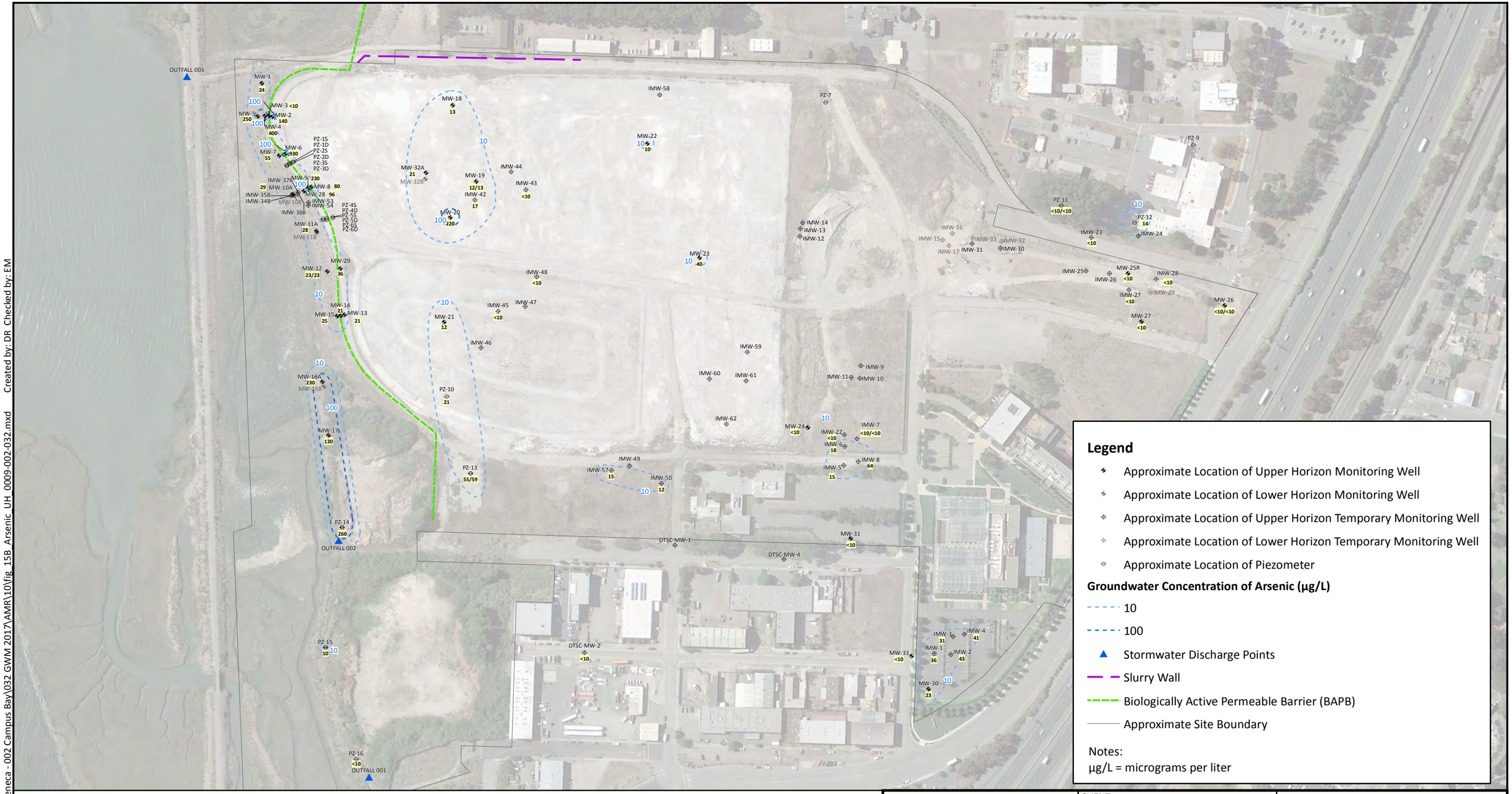
terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of Arsenic in Upper Horizon Groundwater April 2017

FIGURE 15A

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\SMR\04\fig_13_Arsenic_UH_0009-002-032.mxd Created by: DR Checked by: EM



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

Groundwater Concentration of Arsenic (µg/L)

- 10
- 100
- Stormwater Discharge Points
- Slurry Wall
- Biologically Active Permeable Barrier (BAPB)
- Approximate Site Boundary

Notes:
µg/L = micrograms per liter

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

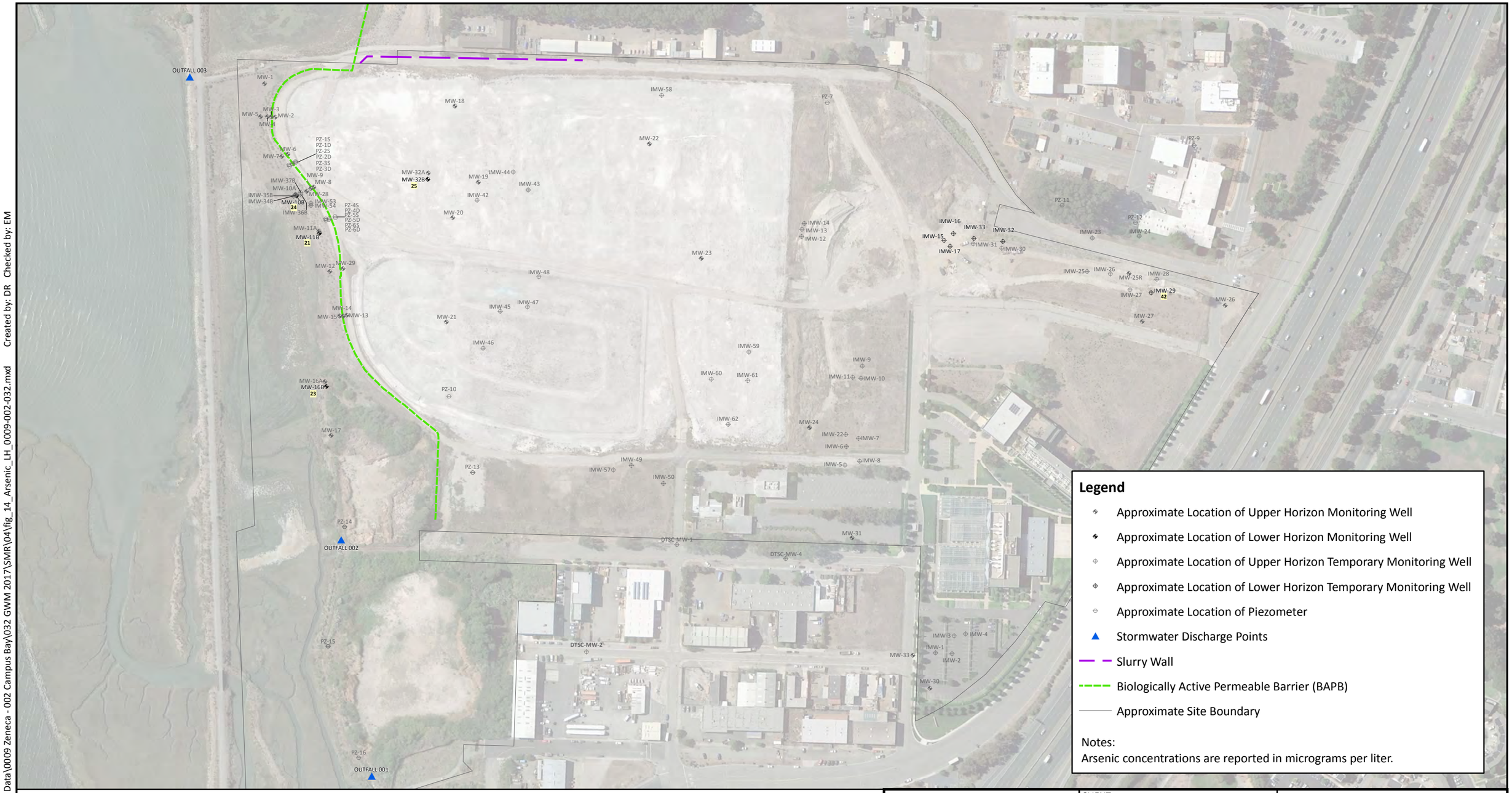
terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of Arsenic in Upper Horizon Groundwater April 2017

FIGURE 15B

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\AMR\10\Fig_15B_Arsenic_UH_0009-002-032.mxd Created by: DR Checked by: EM



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

Notes:
Arsenic concentrations are reported in micrograms per liter.

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

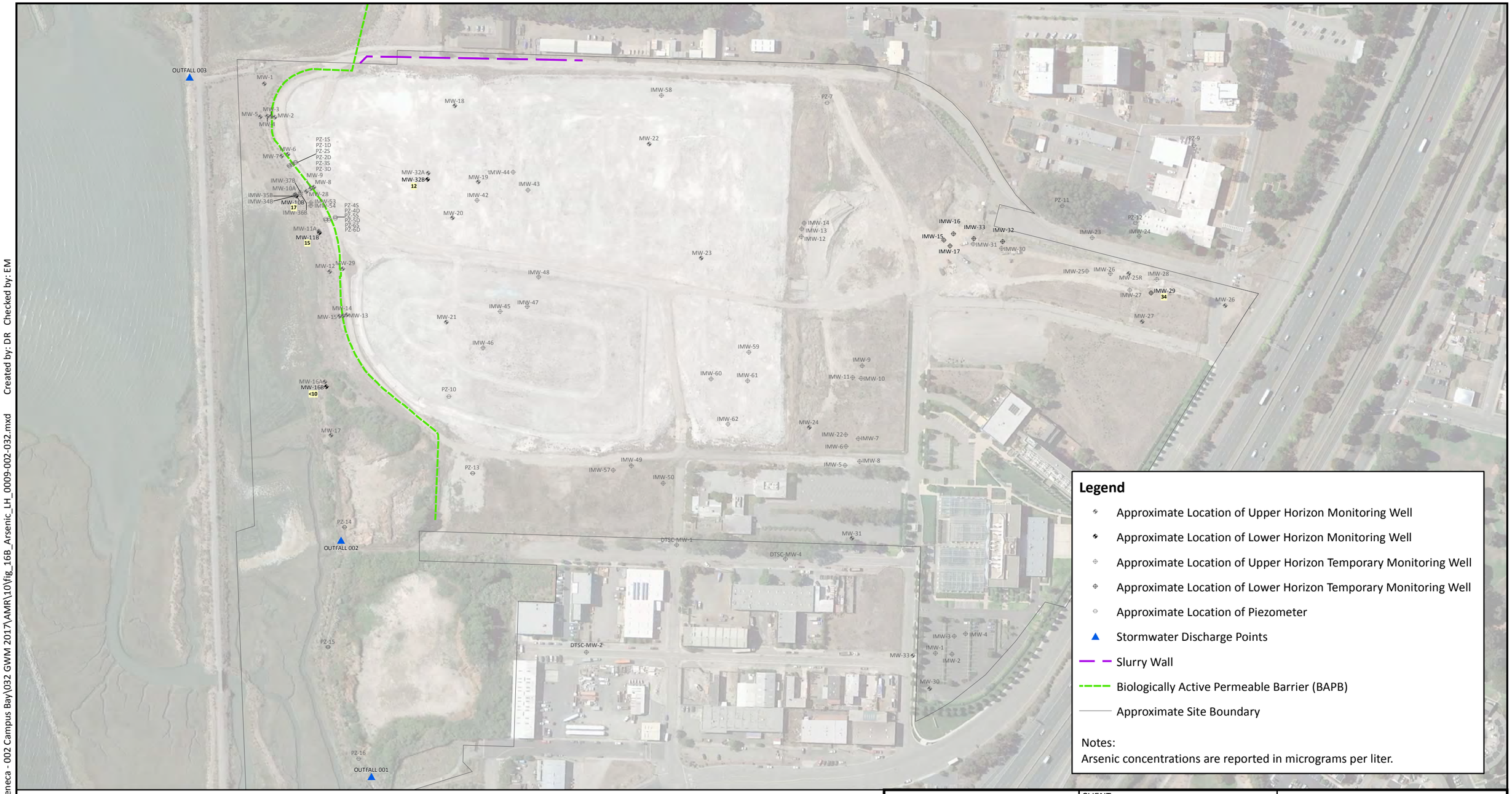
terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of Arsenic in Lower Horizon Groundwater April 2017

FIGURE 16A

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\032 GWM 2017\SMR\04\fig_14_Arsenic_LH_0009-002-032.mxd Created by: DR Checked by: EM



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

Notes:
Arsenic concentrations are reported in micrograms per liter.

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

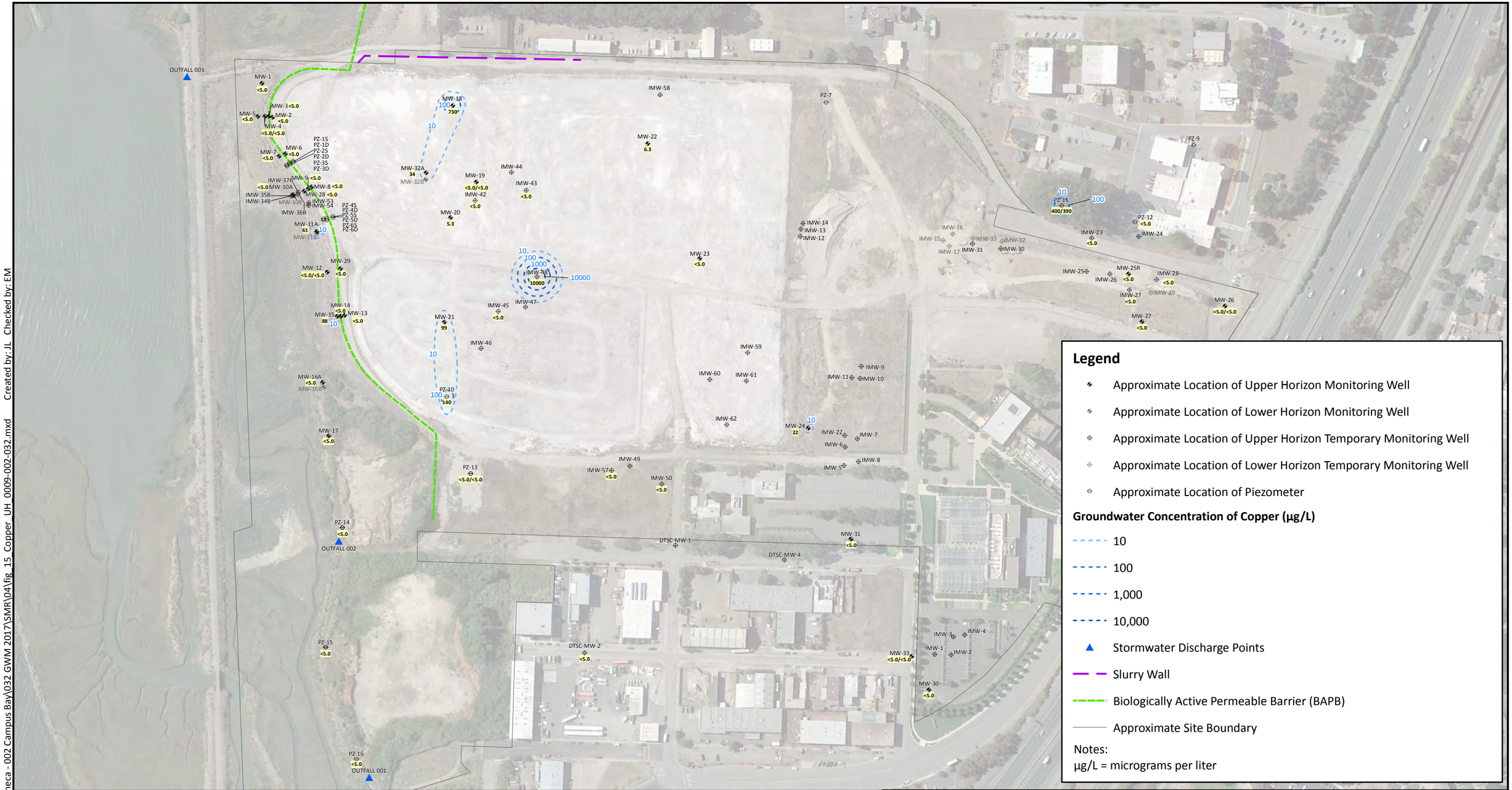
terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of Arsenic in Lower Horizon Groundwater October 2017

FIGURE 16B

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\AMR\10\fig_16B_Arsenic_LH_0009-002-032.mxd Created by: DR Checked by: EM



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

Groundwater Concentration of Copper (µg/L)

- 10
- 100
- 1,000
- 10,000
- Stormwater Discharge Points
- Slurry Wall
- Biologically Active Permeable Barrier (BAPB)
- Approximate Site Boundary

Notes:
µg/L = micrograms per liter

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

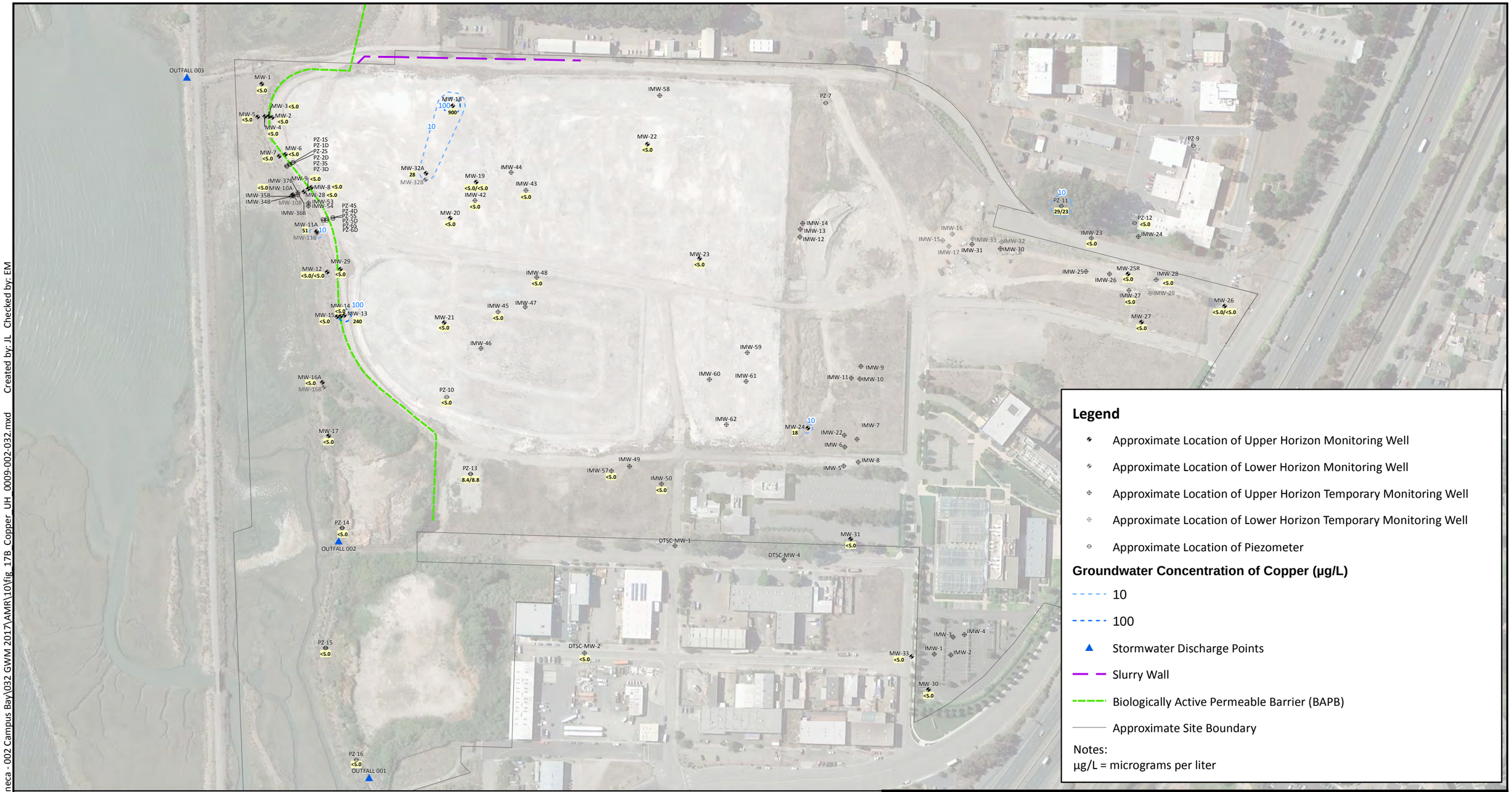
terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of Copper in Upper Horizon Groundwater April 2017

FIGURE 17A

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\SMR\04\fig_15_Copper_UH_0009-002-032.mxd Created by: JL Checked by: EM



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

Groundwater Concentration of Copper (µg/L)

- 10
- 100
- Stormwater Discharge Points
- Slurry Wall
- Biologically Active Permeable Barrier (BAPB)
- Approximate Site Boundary

Notes:
µg/L = micrograms per liter

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

terraphase engineering

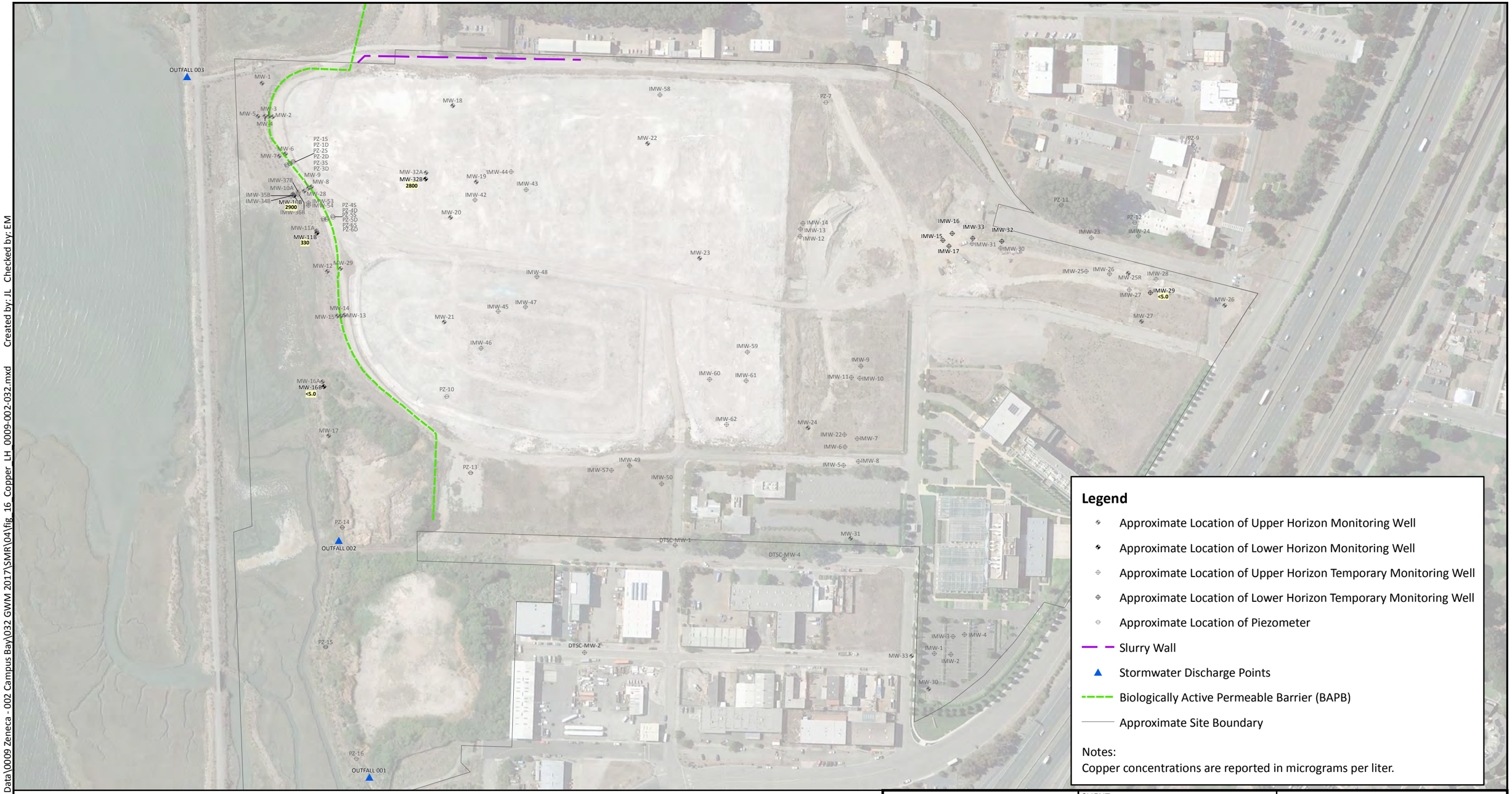
CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of Copper in Upper Horizon Groundwater October 2017

FIGURE 17B

Created by: IL Checked by: EM

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\AMR\10\Fig_17B_Copper_UH_0009-002-032.mxd



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

Notes:
Copper concentrations are reported in micrograms per liter.

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

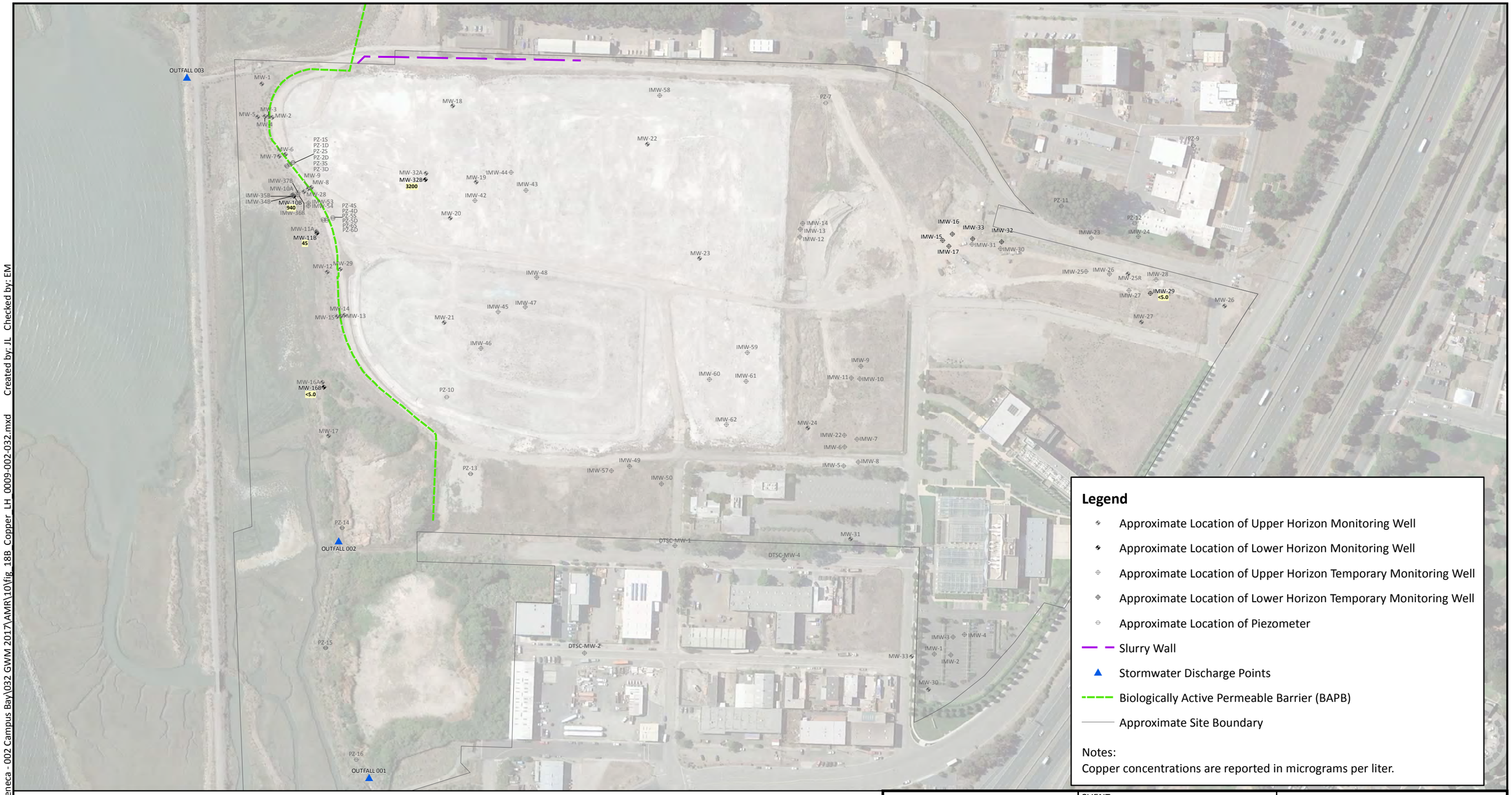
terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of Copper in Lower Horizon Groundwater April 2017

FIGURE 18A

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\032 GWM 2017\SMR\04\fig_16_Copper_LH_0009-002-032.mxd Created by: JL Checked by: EM



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

Notes:
Copper concentrations are reported in micrograms per liter.

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of Copper in Lower Horizon Groundwater October 2017

FIGURE 18B

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\AMR\10\fig_18B_Copper_LH_0009-002-032.mxd Created by: JL Checked by: EM

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\SMR\04\fig_17_Nickel_UH_0009-002-032.mxd Created by: JL Checked by: EM

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

Notes:
µg/L = micrograms per liter

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

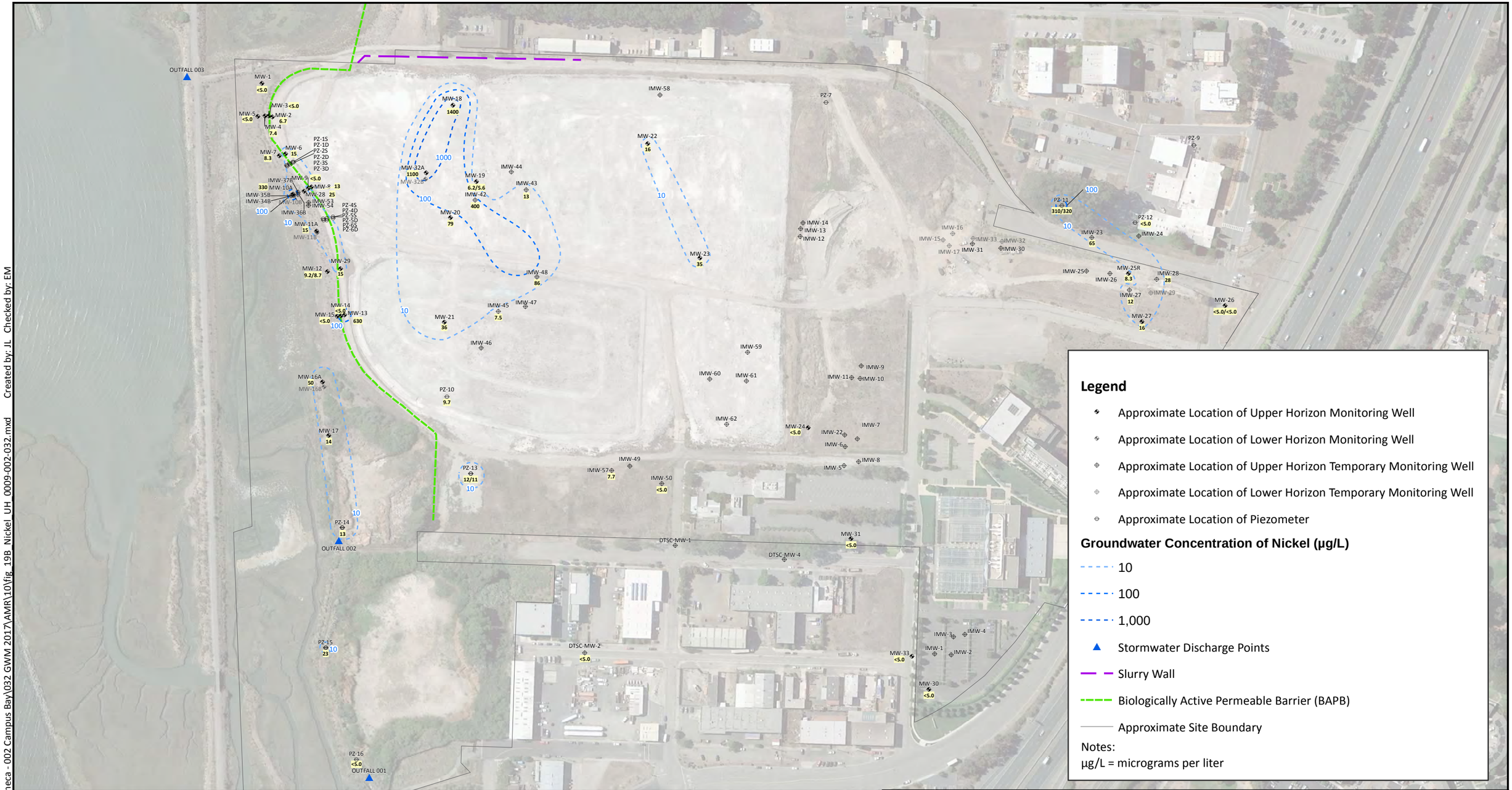
SAFETY FIRST

terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of Nickel in Upper Horizon Groundwater April 2017

FIGURE 19A



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

Groundwater Concentration of Nickel (µg/L)

- 10
- 100
- 1,000
- Stormwater Discharge Points
- Slurry Wall
- Biologically Active Permeable Barrier (BAPB)
- Approximate Site Boundary

Notes:
µg/L = micrograms per liter

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of Nickel in Upper Horizon Groundwater October 2017

FIGURE 19B

File: K:\GIS\Pri\0009 Zeneca - 002 Campus Bay\032 GWM 2017\AMR\10\fig_19B_Nickel_UH_0009-002-032.mxd Created by: JL Checked by: EM

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\032 GWM 2017\SMR\04\fig_18_Nickel_LH_0009-002-032.mxd Created by: JL Checked by: EM

OUTFALL 003

MW-1 MW-3 MW-5 MW-2 MW-4 MW-18 IMW-58 PZ-7 MW-22 PZ-9 MW-6 MW-7 PZ-1S PZ-1D PZ-2S PZ-2D PZ-3S PZ-3D MW-9 MW-8 IMW-37B MW-10A IMW-35B IMW-34B MW-10B 1700 IMW-36B MW-28 IMW-53 IMW-54 PZ-4S PZ-4D PZ-5S PZ-5D PZ-6S PZ-6D MW-11A MW-11B 270 MW-12 MW-29 MW-32A MW-32B 1400 MW-19 IMW-44 IMW-43 IMW-42 MW-20 IMW-14 IMW-13 IMW-12 PZ-11 IMW-16 IMW-33 IMW-32 IMW-15 IMW-31 IMW-30 IMW-17 IMW-23 PZ-12 IMW-24 MW-23 IMW-48 IMW-25 IMW-26 MW-25R IMW-28 IMW-27 IMW-29 <5.0 MW-26 MW-27 MW-14 MW-15 MW-13 IMW-45 IMW-47 MW-21 IMW-46 IMW-59 IMW-9 IMW-11 IMW-10 IMW-60 IMW-61 MW-16A MW-16B <5.0 PZ-10 IMW-62 MW-24 IMW-22 IMW-7 IMW-6 IMW-5 IMW-8 MW-17 PZ-13 IMW-57 IMW-49 IMW-50 PZ-14 OUTFALL 002 DTSC-MW-1 DTSC-MW-4 MW-31 PZ-15 DTSC-MW-2 IMW-3 IMW-4 IMW-1 IMW-2 MW-33 MW-30 PZ-16 OUTFALL 001

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

Notes:
Nickel concentrations are reported in micrograms per liter.

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

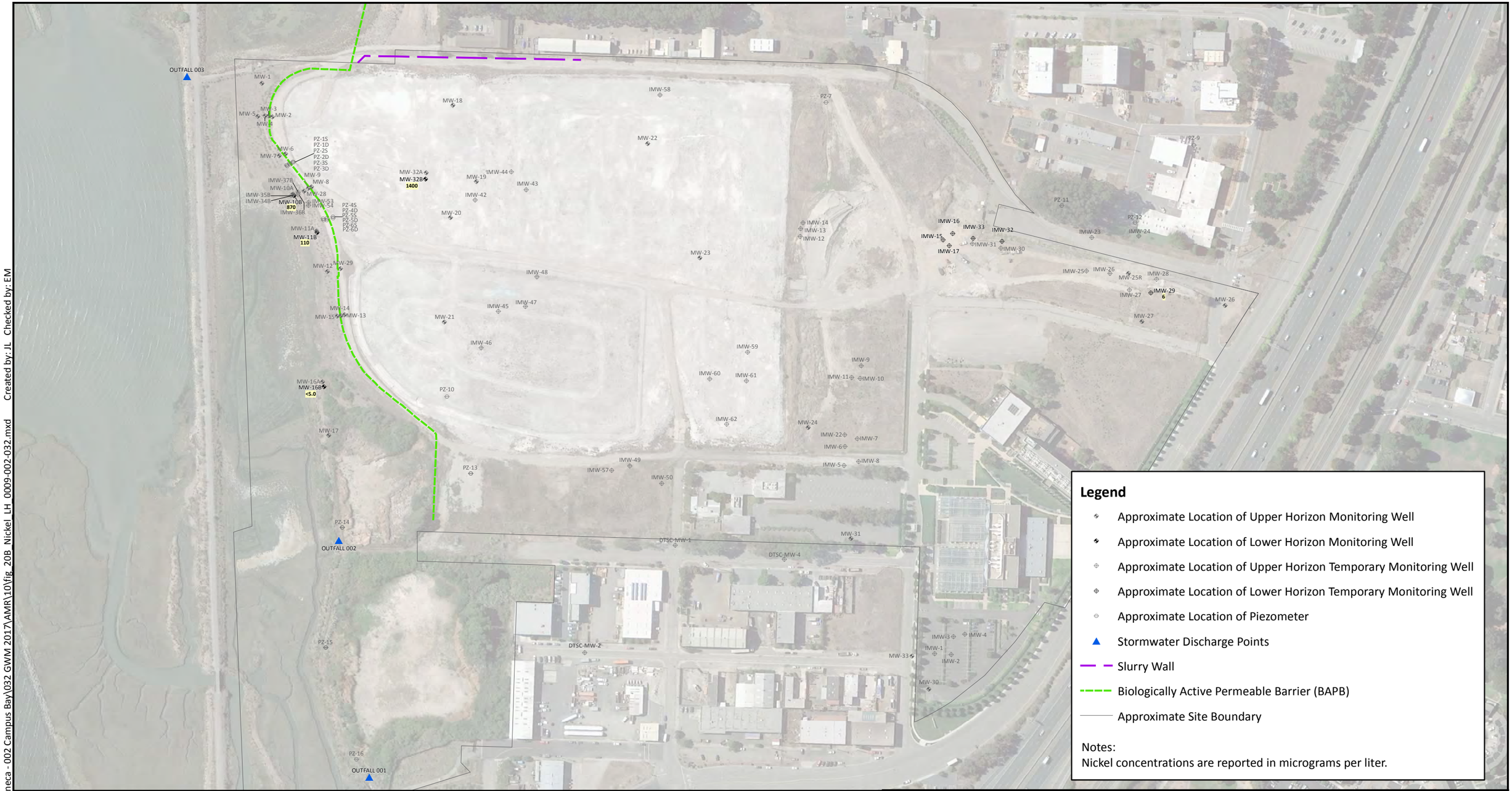
SAFETY FIRST

terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of Nickel in Lower Horizon Groundwater April 2017

FIGURE 20A



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

Notes:
Nickel concentrations are reported in micrograms per liter.

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

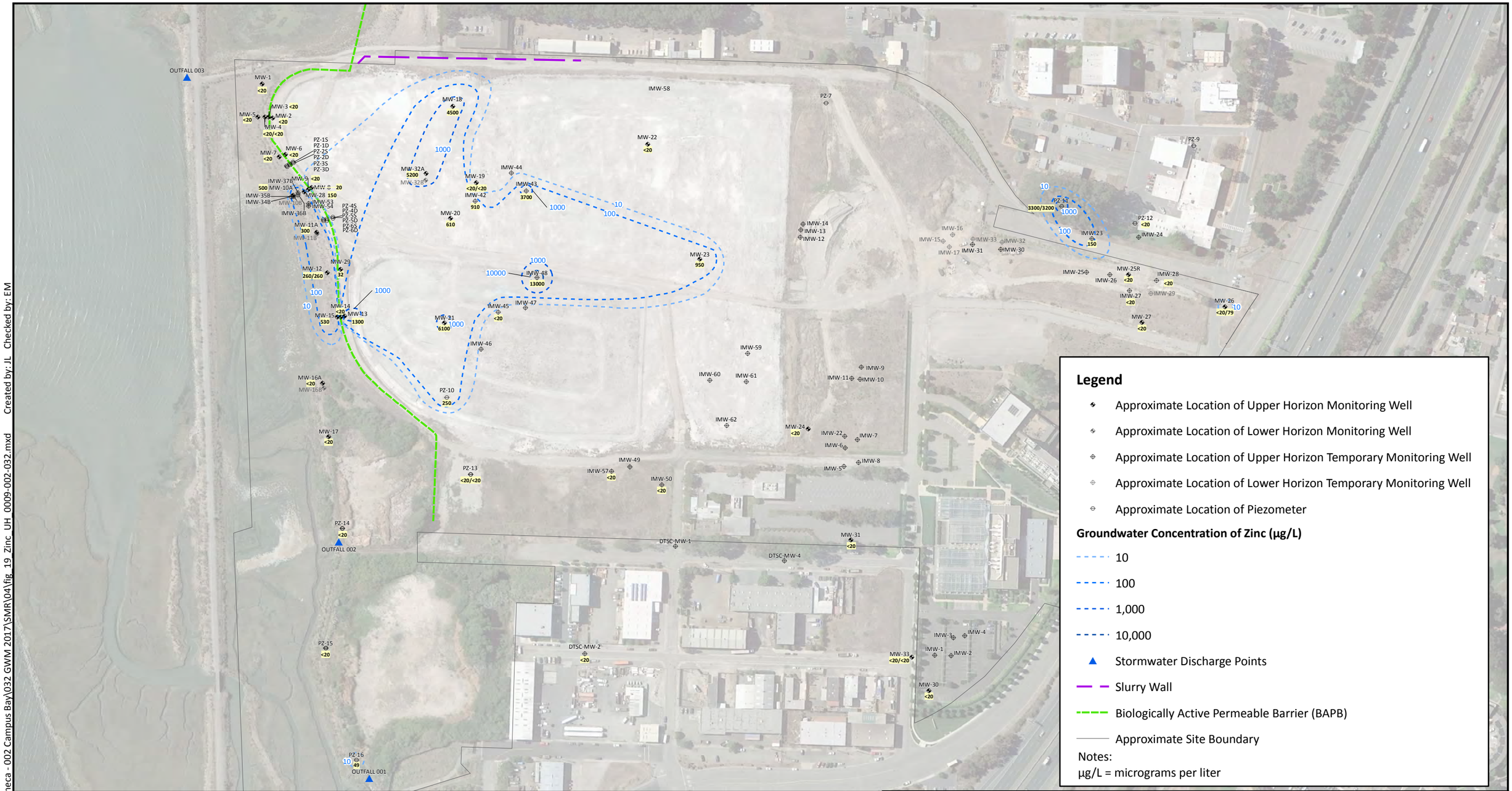
terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of Nickel in Lower Horizon Groundwater October 2017

FIGURE 20B

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\AMR\10\fig_20B_Nickel_LH_0009-002-032.mxd Created by: JL Checked by: EM



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

Groundwater Concentration of Zinc (µg/L)

- 10
- 100
- 1,000
- 10,000
- Stormwater Discharge Points
- Slurry Wall
- Biologically Active Permeable Barrier (BAPB)
- Approximate Site Boundary

Notes:
µg/L = micrograms per liter

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

SAFETY FIRST

terraphase engineering

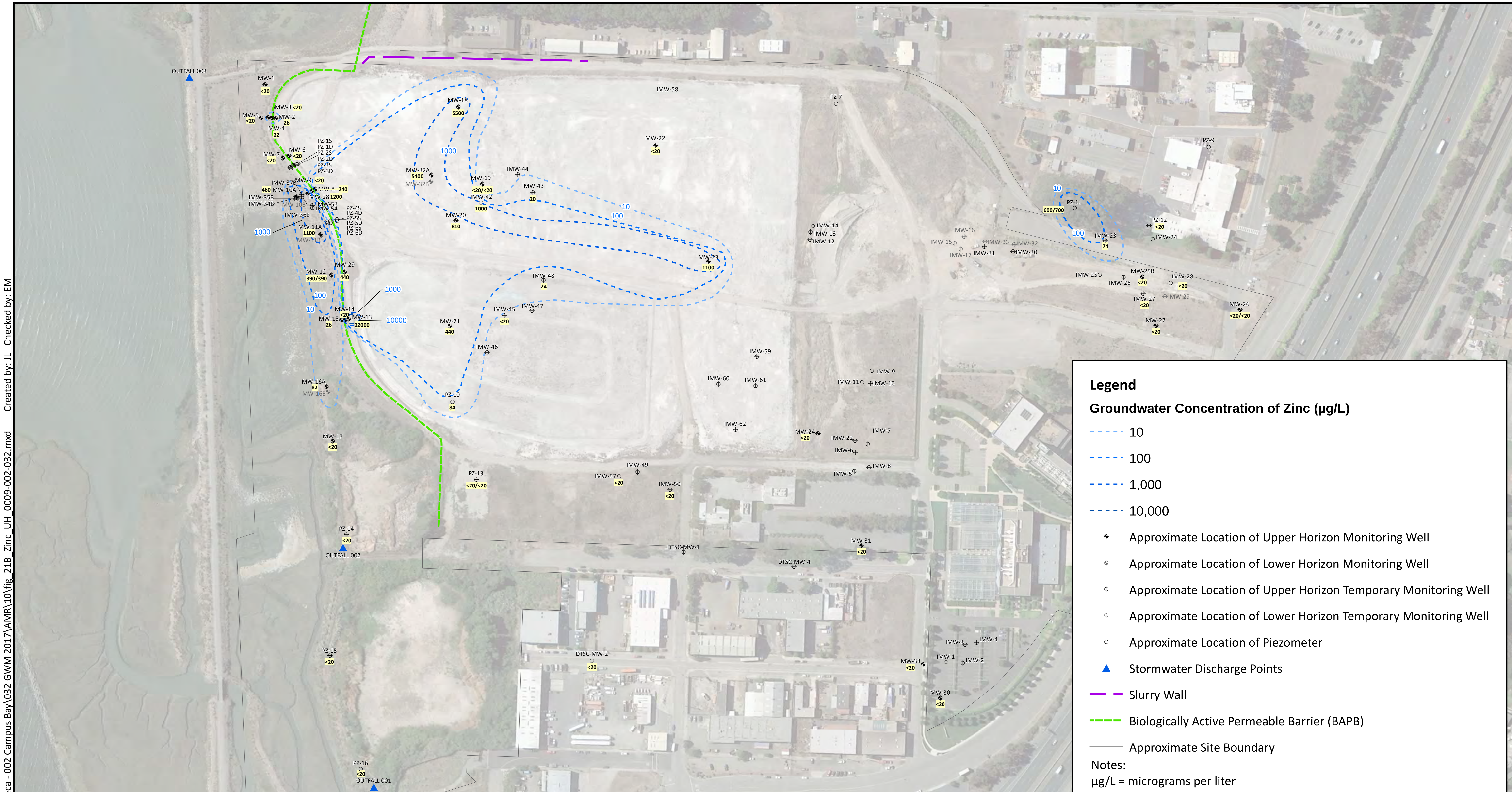
CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of Zinc in Upper Horizon Groundwater April 2017

FIGURE 21A

Created by: JL Checked by: EM

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\SMR\04\fig_19_Zinc_UH_0009-002-032.mxd



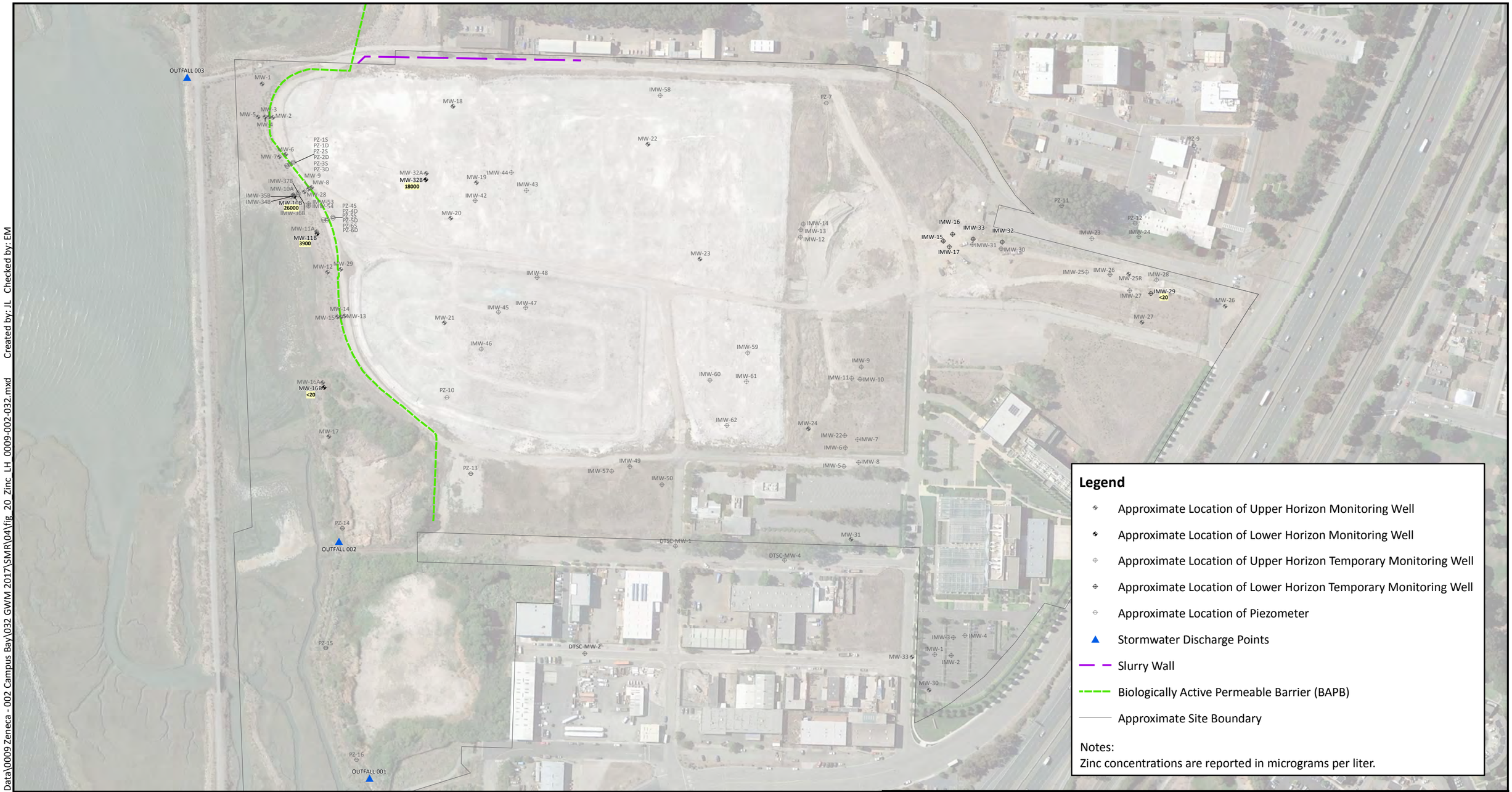
Aerial imagery captured on 10/1/2009 (Google, 2010)

0 125 250 375 500 Feet
1 Inch = 250 Feet

N

SAFETY FIRST	CLIENT: Zeneca, Inc.	Concentration of Zinc in Upper Horizon Groundwater October 2017
terraphase engineering	PROJECT: Campus Bay Richmond, CA	
	PROJECT NUMBER: 0009.002.032	FIGURE 21B

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\AMR\10\Fig_21B_Zinc_UH_0009-002-032.mxd Created by: JL Checked by: EM



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

Notes:
Zinc concentrations are reported in micrograms per liter.

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

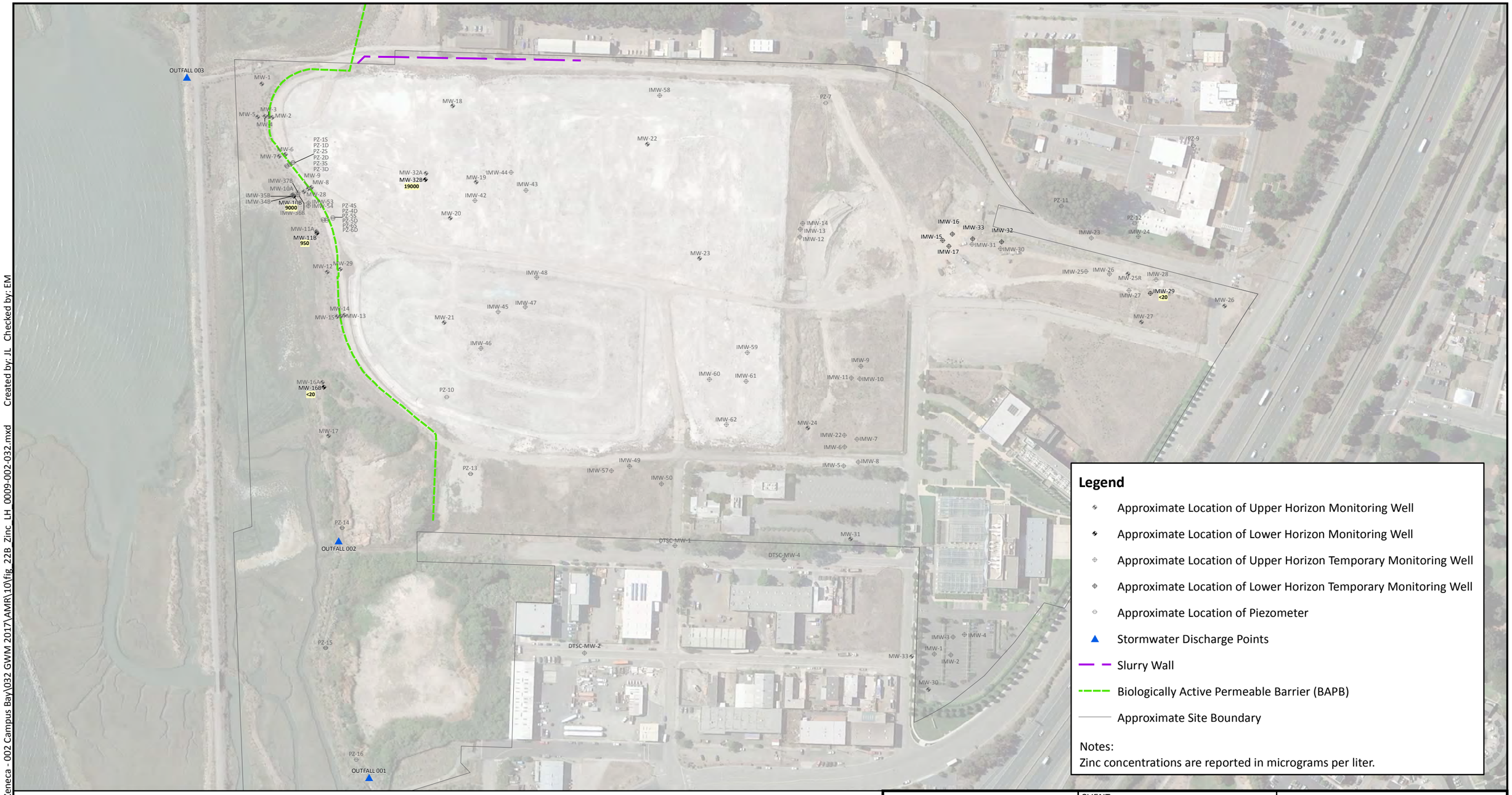
terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of Zinc in Lower Horizon Groundwater April 2017

FIGURE 22A

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\032 GWM 2017\SMR\04\fig_20_Zinc_LH_0009-002-032.mxd Created by: JL Checked by: EM



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

Notes:
Zinc concentrations are reported in micrograms per liter.

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.032

Concentration of Zinc in Lower Horizon Groundwater October 2017

FIGURE 22B

File: K:\GIS\Prj\0009 Zeneca - 002 Campus Bay\032 GWM 2017\AMR\10\fig_22B_Zinc_LH_0009-002-032.mxd Created by: JL Checked by: EM