ANNUAL GROUNDWATER AND SURFACE WATER MONITORING REPORT
JANUARY 1 THROUGH DECEMBER 31, 2014
CAMPUS BAY, RICHMOND, CALIFORNIA

Prepared for

Zeneca Inc.

Prepared by

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

February 2, 2015

Project Number 0009.002.019

terraphase engineering

terraphase engineering

February 2, 2015

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

Subject: Annual Groundwater and Surface Water Monitoring Report, January 1 through December 31, 2014, Campus Bay, Richmond, California

Dear Ms. Nakashima:

Terraphase Engineering Inc. (Terraphase) has prepared the enclosed subject report on behalf of Zeneca Inc., to present groundwater and surface water monitoring data collected between January 1, 2014 through December 31, 2014 at the former Zeneca property, now known as Campus Bay, located in Richmond, California ("the Site"). This annual groundwater monitoring report was prepared to meet the requirements of the Site Investigation and Remediation Order, Docket No. IS/E-RAO 06/07-005 ("the Order"), issued by the Department of Toxic Substances Control (DTSC) on September 15, 2006. Terraphase is submitting this report to the DTSC to fulfill the requirements of the respondents under the Order.

If you have any questions or comments regarding the report, please feel free to contact me at 510-326-1473.

Sincerely,

For Terraphase Engineering Inc.

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

Enclosure

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CONTENTS

TABLES

FIGURES

APPENDICES

LIST OF ACRONYMS AND ABBREVIATIONS

µg/L	micrograms per liter
1,2-DCA	1,2-dichloroethane
1,1,2,2-TCA	1,1,2,2-tetrachloroethane
AMR	Annual Groundwater and Surface Water Monitoring Report
AMSL	above mean sea level
BAPB	Biologically Active Permeable Barrier
cis-1,2-DCE	cis-1,2-dichloroethene
CSV	Cherokee Simeon Venture I, LLC
DTSC	Department of Toxic Substances Control
ERD	enhanced reductive dechlorination
ft/ft	foot per foot
FS/RAP	Feasibility Study and Remedial Action Plan
HEA	Habitat Enhancement Area
HHRA	Human Health Risk Assessment
IMW	temporary monitoring well prefix
MW	monitoring well prefix
ORP	oxidation-reduction potential
PCE	tetrachloroethene
PZ	piezometer prefix
QA/QC	quality assurance/quality control
QAPP	Quality Assurance Project Plan
SSG	Site-Specific Goal
SU	standard unit
TCE	trichloroethene
trans-1,2-DCE	trans-1,2-dichloroethene
U.S. EPA	United States Environmental Protection Agency
VOC	volatile organic compound
VC	vinyl chloride

CERTIFICATION

All hydrogeologic and geologic information, conclusions, and recommendations in this document have been prepared under the supervision of and reviewed by a Terraphase Engineering, Inc. California Professional Geologist.

February 2, 2015

Andrew Romolo — Date

Principal Geologist
California Professional Geologist (8110)

1.0 INTRODUCTION

Terraphase Engineering Inc. (Terraphase) has prepared this annual groundwater and surface water monitoring report (AMR) on behalf of Zeneca Inc. for the former Zeneca property, now known as Campus Bay, located in Richmond, California ("the Site"; Figures 1 and 2). Groundwater and surface water monitoring is being 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 sample matrix provided in Appendix A.

This AMR presents the data from groundwater and surface water samples collected from January 1 to December 31, 2014 ("the Reporting Period") and provides the historical chemical concentration data and data trends (Appendix B and Appendix C, respectively) from January 2003 through December 2014. 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. Copies of the laboratory data reports are included in Appendix D. Data validation reports are included in Appendix E.

As discussed in the project monthly update reports and presented in the project schedules submitted to the DTSC, the Draft Feasibility Study (FS) and Remedial Action Plan (RAP) for the Site uplands (Lot 1, Lot 2, and Lot 3) has been prepared and submitted to the DTSC for review. Therefore, the format of the groundwater and surface water monitoring reports were revised to more efficiently communicate concentration trends and therefore allow for a more efficient assessment of future remedial actions that will be implemented in accordance with the FS/RAP. The AMR format will present 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 will be assessed to identify any significant changes in site conditions relative to what was previously reported in the 2013 AMR.

1.1 Site Information

The following summarizes the Site information.

Site Location	Campus Bay 4677 Meade 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	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	Department of Toxic Substances Control (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 March 28, 2014 through April 15, 2014 and from October 1 to October 15, 2014. The groundwater sampling, monitoring and laboratory analysis were completed in accordance with the sample matrix provided in Appendix A.

- Monitoring of three storm-drain outfall locations took place during rain events. Samples were collected in October, November, and December 2014 from two of the three outfall locations.

- During the April 2014 groundwater monitoring event, additional depth to groundwater measurements and groundwater samples were collected from wells at the Site outside of those included in the Site groundwater monitoring and sampling program. Sampling and analyses of these wells were conducted to support remedial alternative assessments for the lagoons and the uplands areas of the Site. The data has been included in figures (groundwater contours and isoconcentration maps), analytical data reports, and data validation reports included with this AMR; however, a detailed discussion of these results has not been included in the AMR. These data will be assessed as part of the appropriate remedial design documents that will be prepared for the Site.

- Inspection and maintenance of the temporary cap was completed by Arcadis-US. The results of the cap inspections during the first half of 2014 were presented in the Temporary Cap Inspection Summary Report dated 7/30/2014 and the inspection results for inspections competed during the second half of 2014 will be provided in a Temporary Cap Inspection Report under separate cover.

- Vegetation maintenance in East Stege Marsh in April 2014 (conducted by Arcadis-US).

- Pore water samples were collected from East Stege Marsh in January 2014 (conducted by Arcadis-US). The results of the pore water sampling were presented in the "Pore Water Sampling Results Report, Habitat Area 2, Campus Bay Site, Richmond, California" (Arcadis-US 2014).

- In October 2013, Terraphase installed five monitoring wells in the southeastern portion of the University of California, Berkeley (UC) Richmond Field Station (RFS) in accordance with the "Monitoring Well Installation Work Plan, Vicinity of the Biologically Active Permeable Barrier, University of California Richmond Field Station" (Terraphase 2013). As described in the "Monitoring Well Installation Report and Initial Groundwater Sampling Results" (Terraphase 2014), quarterly groundwater level measurements and sampling of the new wells (and one previously installed well) took place in March 2014, June 2014, September 2014 and December 2014. The results are presented in Appendix F. An analysis of the quarterly results will be presented in a technical memorandum that is currently scheduled to be submitted in February 2014.

- The area on Lot 3 corresponding with the East Bay Municipal Utility District (EBMUD) water main leak repair continued to be monitored. Since the repair in May 2013, there has not been pooling of water observed on Lot 3 in the area of 47th Street.

3.0 GROUNDWATER MONITORING SUMMARY

Project Phase	Annual Groundwater Monitoring and Sampling
Number of wells Monitored/Sampled	Depth to water measurements were collected from 94 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 in Figure 2. The groundwater monitoring well construction details are summarized in Table 1.
Frequency of Monitoring/Sampling	Semi-annual
Groundwater Elevation Range	Groundwater elevation at the Site ranged from 3.13 to 12.46 feet above sea level (AMSL) (National Geodetic Vertical Datum) during the April 2014 sampling event. Groundwater elevation ranged from 1.30 to 11.64 feet AMSL during the October 2014 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 previously been identified at the Site (LFR 2007 and 2008): the upper horizon (defined as groundwater shallower than 25 feet bgs) and the lower horizon (defined as groundwater greater than 25 feet bgs).
Groundwater Gradient and Flow Direction	**Upper Horizon Groundwater** In March 2014, the hydraulic gradient between wells MW-26 and IMW-29 was calculated as 0.0029 ft/ft and the groundwater flow direction was generally to the south. Groundwater generally flowed south at a gradient of approximately 0.0026 ft/ft in the area between wells MW-32A and MW-7. The hydraulic gradient between wells MW-26 and IMW-59 in October 2014 was calculated as 0.0036 ft/ft and the groundwater flow direction was generally to the south. Groundwater generally flowed south at a gradient of approximately 0.0029 ft/ft in the area between wells MW-32A and MW-7.

	Lower Horizon Groundwater In March 2014, 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. In March 2014, the hydraulic gradient between wells IMW-29 and MW-10B was calculated as 0.0034 ft/ft and the groundwater flow direction was generally to the south. The flow directions and gradient are generally consistent with the measurements collected during previous reporting periods. Groundwater elevation contour maps from March 2014 for upper horizon and lower horizon groundwater are provided in Figures 3A and 4A, respectively. Groundwater elevation contour maps from October 2014 for upper 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 Attachment A-2 for March 28, 2014 and for October 1, the dates on which depth to groundwater measurements were collected.
Upper Horizon/Lower Horizon Vertical Gradient	In March 2014, the vertical gradient between the upper and lower horizons in monitoring well pairs was measured to be downward at three locations (MW-10A/10B, MW-16A/16B, and MW-32A/32B). An upward gradient was measured at well pair MW-11A/11B. The vertical gradient between the upper and lower horizons in monitoring well pairs was measured to be upward at three locations (MW-11A/11B, MW-16A/16B, and MW-32A/32B) in October 2014. A downward gradient was measured at well pair MW-10A/10B. It should be noted that 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.

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 SSG for TCE prepared by Terraphase (Terraphase 2012). 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 are presented in Figures 5A, 5B, 7A, 7B, 9A, 9B, 11A, 11B, 13A, 13B, 15A, 15B, 17A, 17B, 19A, and 19B, which include results pertaining to upper horizon groundwater concentrations of PCE, TCE, vinyl chloride, 1,2-dichloroethane, arsenic, copper, nickel, and zinc. Corresponding lower horizon groundwater concentrations are presented in Figures 6A, 6B, 8A, 8B, 10A, 10B, 12A, 12B, 14A, 14B, 16A, 16B, 18A, 18B, 20A and 20B, respectively. Groundwater analytical results for samples collected from each monitoring well since 2003 have been tabulated and are included electronically in Appendix B (on CD). Additionally, concentration-versus-time graphs for chemicals that exceeded screening criteria during the Reporting Period are presented in Appendix C (on CD). The analytical laboratory reports are included in Appendix D (on CD).
Changes in Site Conditions	No significant changes in Site conditions were noted relative to the conditions reported in the 2014 Semi-Annual Monitoring Report. A few wells showed increases relative to the previous monitoring event (April 2014) 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 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 (on

CD). An 'X' in the table indicates an exceedance of the respective criterion. Subscripts are used in instances where an exceedance occurred during only one sampling event.

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								
Lot 1-2 ERD Pilot Study Area (pilot study implemented in Oct – Nov 2006)								
IMW-1	UH	VC	**X**	**X**			**X**	Increasing trend from August 2007 to November 2010; stabilizing since November 2010
IMW-2	UH	VC	**X**	**X**			**X**	Decreasing since August 2009
IMW-3	UH	VC	**X**				**X**	Decreasing since November 2010
IMW-4	UH	VC	**X_O**	**X_O**			**X_O**	Increasing trend from September 2006; decreasing trend since August 2008
Lot 1-5 & MW-25 ERD Pilot Study Area (implemented November – December 2009)								
IMW-15	LH	cis-1,2-DCE					**X**	Fluctuates, but generally increasing since October 2012
		TCE					**X_A**	Second detection above laboratory reporting limit since October 2009 in April; Fluctuates, but generally stable since February 2010
		VC					**X**	Fluctuates, but overall decreasing from May 2010 to October 2013; The April sampling event showed an increase relative to previous event, and October event indicates decreasing
IMW-16	LH	cis-1,2-DCE					**X**	Increasing since May 2010

Well ID	Ground-water Horizon	Analyte	Residential SSG	Commercial/ Industrial SSG	Groundskeeper/ Maintenance Worker SSG	5x, 40x, or 160x Aquatic Criteria	Drinking Water Standard	Trend
		TCE					X_A	Decreasing since October 2009
		VC					X_O	Decreasing since 2007
IMW-17	LH	cis-1,2-DCE					X	Increasing since February 2010
		TCE					X_A	Decreasing since September 2006
		VC					X	Fluctuates, but overall decrease from November 2010 to October 2013; increase since April 2014
IMW-23	UH	TCE					X	Increase from previous 2013 monitoring events, but overall decreasing since February 2010
		PCE					X_O	Stable since August 2010
IMW-26	UH	cis-1,2-DCE					X_A	Fluctuates, but overall increasing since August 2010
		VC	X	X	X_O		X	Third exceedance since installation in 2009; Increasing since April 2013
IMW-27	UH	cis-1,2-DCE					X	Increasing since August 2010
		PCE	X_O	X_O	X		X	Fluctuates, but increasing since April 2012
		TCE	X_O				X	Fluctuates, but overall decreasing since May 2010

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_o**	**X_o**			**X_o**	Detection since October 2013; slightly increasing in October 2014.
IMW-28	UH	cis-1,2-DCE					**X**	Decreasing since November 2010
		TCE	**X**	**X_o**			**X**	Decreasing since October 2009
		trans-1,2-DCE					**X_o**	Stable from April 2012 to April 2014; the October 2014 result shows an increase relative to previous results**
		1,1-DCE					**X_o**	Fluctuates between detections and non-detections, but exceedance increased since detections from 2011 and 2012
		VC	**X**	**X**	**X_o**		**X**	Increasing since November 2010
IMW-29	LH	cis-1,2-DCE					**X**	Fluctuates, but decreasing since October 2012
		TCE					**X**	Decreasing since October 2009
		VC					**X**	Increasing since August 2010
IMW-30	UH	cis-1,2-DCE					**X**	Fluctuates, but increasing since October 2012
IMW-31	UH	cis-1,2-DCE					**X**	Fluctuates, but increasing since October 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
		VC	**X**	**X**			**X**	Decreasing trend from February 2010 to October 2011; increasing since October 2011
IMW-33	LH	cis-1,2-DCE					**X**	Increasing since May 2010
		TCE					**X**	Decreasing since October 2009
		VC					**X_A**	Fluctuates, but overall decreasing since October 2009; The April sampling event shows an increase relative to previous monitoring event
MW-25R	UH	cis-1,2-DCE					**X**	Fluctuates, but overall increasing since October 2009
		PCE	**X**	**X**	**X**		**X**	Fluctuates; Increasing since October 2011
		TCE	**X_O**	**X_O**			**X**	Fluctuates, but overall decreasing since October 2009
		VC	**X_O**	**X_O**			**X_O**	Decreasing since October 2012
MW-27	UH	TCE					**X**	Decreasing since December 2005
MW-33	UH	TCE					**X**	Decreasing since October 2009
PZ-11	UH	cis-1,2-DCE					**X**	Increasing since October 2010
		PCE					**X_O***	Decreasing since October 2009

Well ID	Ground-water Horizon	Analyte	Residential SSG	Commercial/ Industrial SSG	Groundskeeper/ Maintenance Worker SSG	5x, 40x, or 160x Aquatic Criteria	Drinking Water Standard	Trend
		trans -1,2-DCE					**X**	Decreasing since October 2009**
		TCE					**X**	Decreasing since October 2009
		VC	**X**	**X**			**X**	Increasing since April 2011
PZ-12	UH	cis-1,2-DCE					**X_O**	Fluctuates; overall decreasing trend since October 2011
		VC	**X**	**X**			**X**	Overall increasing; most recent sampling result shows decrease relative to 2013 monitoring event
Lot 2								
Lot 2-27 ERD Pilot Study Area (pilot study implemented November 2006)								
IMW-22	UH	1,2-DCA					**X**	Decreasing since April 2006**
		cis-1,2-DCE					**X**	Increasing since November 2010; decrease from previous monitoring event
		VC	**X**	**X**			**X**	Fluctuates, but overall increasing since May 2010
IMW-5	UH	VC	**X**	**X_A**			**X**	Decreasing since August 2008
IMW-6	UH	1,2-DCA					**X**	Decreasing since August 2008
		cis-1,2-DCE					**X**	Overall decrease from 2007; Increase 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
		TCE					X	Decreasing since September 2006
		VC	X	X			X	Overall decreasing since 2007; Increasing since October 2012
IMW-7	UH	1,2-DCA	X				X	Decreasing since September 2006
		cis-1,2-DCE					X	Stable since 2008
		VC	X_o				X_o	Fluctuates, but overall decreasing since 2007.
IMW-8	UH	cis-1,2-DCE					X	Increase from September 2006 to March 2007 followed by decrease from March 2007 to August 2008; Concentrations stable since August 2008
		TCE					X_o	Stable since 2007
		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 in October 2014
MW-31	UH	1,2-DCA					X	Decreasing since November 2006
		TCE					X	Decreasing from April 2006 to Febuary 2008; Stable since February 2008
Lot 3								

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-3	UH	VC	X_O					Relatively stable since 2004
MW-16A	UH	PCE	X_O		X_O			Decreasing since 2003
MW-18	UH	PCE	X		X			Increasing since July 2003
MW-22	UH	TCE	X	X				Decreasing since August 2009
		VC	X	X				Fluctuates; overall it is decreasing since 2003
MW-29	UH	Benzene	X_O					Fluctuates; the most recent sampling event shows an increase relative to the previous monitoring events
		PCE	X_O	X_O	X_O			Fluctuates; the most recent sampling event shows an increase relative to the previous monitoring events
PZ-13	UH	Benzene	X_A					Increase from October 2013 to April 2014, then decrease
MW-19 ERD Pilot Study Area (Implemented January – February 2011)								
MW-19	UH	PCE			X_A*			Fluctuates; Overall decreasing since July 2003
		VC	X	X	X			Stable from 2003 to October 2011; Increasing from October 2011 to April 2013, then decreasing
MW-32A	UH	Chloroform	X					Fluctuates, but is generally increasing since 2009
		PCE	X	X	X			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, but increasing since October 2013
		TCE	X_O					Decreasing since October 2012
MW-21 ERD Pilot Study Area (implemented November – December 2010)								
MW-21	UH	PCE	X	X	X			Overall decreasing since 2003
IMW-45	UH	PCE			X_A			Fluctuates, but overall decreasing since October 2011
		VC	X	X				Increasing since October 2012
IMW-48	UH	PCE	X_A		X			Decreasing since October 2011
Lot 3 Subarea ERD Pilot Study Area (implemented January 2011)								
IMW-50	UH	VC	X	X				Decreasing since October 2012
IMW-57	UH	Benzene	X	X				Decreasing since December 2011
		VC	X	X				Decreasing from December 2011 to October 2013, then increasing
Lot 3 Groundwater Investigation (Implemented April-May 2014)								
IMW-58	UH	CT	X	X	X_O			--
		Chloroform	X_O					Fluctuates
		VC	X_O					Fluctuates
IMW-59	UH	VC	X	X_A				Fluctuates
IMW-60	UH	PCE	X		X			Fluctuates
IMW-61	UH	VC	X_O					Fluctuates
IMW-62	UH	PCE	X_O		X_O			Fluctuates
		TCE	X_O					Fluctuates

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
DTSC Wells								
DTSC-MW-1	UH	TCE					**X**	Stable since 2009
		1,2-DCA					**X**	Decreasing since 2009
DTSC-MW-2	UH	TCE					**X**	Increasing slightly since August 2009
		1,2-DCA					**X**	Stable since 2009
DTSC-MW-4	UH	TCE					**X**	Decreasing since August 2010
		1,2-DCA					**X**	Decreasing since February 2009

Table Notes:

X = exceedance during April and October sampling events

X_A = exceedance during April sampling event

X_O = exceedance during October sampling event

UH = upper horizon
LH = lower horizon
ERD = enhanced reductive dechlorination
1,1,2,2-TCA = 1,1,2,2-tetrachloroethane

1,2-DCA = 1,2-dichloroethane
cis-1,2-DCE = cis-1,2-dichlorothene
CT = carbon tetrachloride
PCE = tetrachloroethene

TCE = trichloroethene
trans-1,2-DCE = trans-1,2-dichloroethene
VC = vinyl chloride

* = 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

-- = these wells were recently installed and there is not enough data at this time to report on the presence of a concentration trend. Concentration trends will be identified upon further data collection.

3.2 Metals

The following table presents a summary of the wells that exceeded the screening criteria 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 (on CD). An 'X' in the table indicates an exceedance of the respective criterion. Subscripts are used in instances where an exceedance occurred during only one sampling event.

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; decrease from previous monitoring event

Well ID	Groundwater Horizon	Analyte	Residential SSG	Commercial/ Industrial SSG	Groundskeeper/ Maintenance Worker SSG	5x, 40x, or 160x Aquatic Criteria	Drinking Water Standard	Trend
IMW-4	UH	Arsenic					X	Decreasing since May 2008
Lot 1-5 & MW-25 Pilot Study Area								
IMW-29	LH	Arsenic					X	Stable since April 2011
MW-30	UH	Arsenic					X	Decreasing since November 2006
PZ-11	UH	Nickel					X	Fluctuates; slight decreasing trend since October 2009
PZ-12	UH	Arsenic					X_O	Fluctuates, often not detected; increase relative to previous detected concentrations
Lot 2								
Lot 2-27 Pilot Study Area								
IMW-5	UH	Arsenic					X	Fluctuates, but stable since October 2012
IMW-6	UH	Arsenic					X	Fluctuates, but overall decreasing since August 2007
IMW-7	UH	Arsenic					X_A	Fluctuates, often not detected
IMW-8	UH	Arsenic					X	Fluctuates, but stable since May 2007
MW-24	UH	Arsenic					X_O	Fluctuates, but overall decreasing since October 2004
Lot 3								
MW-23	UH	Zinc				X_O		Fluctuates, but overall slightly decreasing since October 2004
Immediately 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-2	UH	Arsenic			X	X		Increasing since March 2003
MW-6	UH	Arsenic			X	X		Fluctuates, but overall decreasing from June 2006 to April 2012; the most recent result shows an increase relative to the previous sampling event
		Copper				X_O		Fluctuates
MW-8	UH	Zinc				X_O		Fluctuates; the most recent results shows an increase relative to results from October 2011 to April 2014
MW-13	UH	Nickel				X_O		Fluctuates
		Zinc				X_O		Fluctuates
MW-29	UH	Zinc				X_O		Fluctuates
Within BAPB								
MW-9	UH	Arsenic			X	X		Increase from January 2003 to November 2006, but stable since November 2006
Downgradient of BAPB								
MW-1	UH	Arsenic			X_O	X_O		Fluctuates, but overall decreasing since October 2004
		Copper				X_A		Fluctuates, but generally stable since October 2006

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-10A	UH	Arsenic			X			Fluctuates, but increasing since April 2013
		Nickel				X_O		Fluctuates, but overall decrease since October 2006; the most recent result increased relative to sampling events 2011 through April 2014
		Selenium				X_O		First detection in past 4 years**
MW-10B	LH	Copper				X_A		Fluctuates, but decreasing since October 2010
MW-11A	UH	Copper				X		Fluctuates, but stable since February 2007
		Zinc				X_O		Fluctuates; stable since October 2010
MW-11B	LH	Copper				X		Decreasing since January 2004
MW-15	UH	Copper				X_A		The April 2014 sampling event showed an increase relative to the previous event; generally stable since March 2003
		Zinc				X_A		Fluctuates, but generally stable since February 2009; The April 2014 sampling event showed an increase relative to the previous event
MW-16A	UH	Arsenic			X	X		Stable since August 2006

Well ID	Groundwater Horizon	Analyte	Residential SSG	Commercial/ Industrial SSG	Groundskeeper/ Maintenance Worker SSG	5x, 40x, or 160x Aquatic Criteria	Drinking Water Standard	Trend
		Nickel				X_O		Fluctuates; October 2013 and October 2014 results are the only detections since November 2010
MW-17	UH	Arsenic			X	X		Fluctuates, but overall decreasing since October 2011
MW-28	UH	Arsenic			X			Fluctuates, but overall increasing since October 2009
		Nickel				X_O		Fluctuates; slight increase since April 2013
		Zinc				X		Fluctuates, but increasing since November 2009
MW-4	UH	Arsenic			X	X		Fluctuates, but increasing since April 2011
MW-5	UH	Arsenic			X	X_O		Increasing since February 2008
PZ-14	UH	Arsenic			X	X		Increasing since November 2009
MW-19 Pilot Study Area								
MW-18	UH	Copper				X		Fluctuates, but overall increasing since July 2003
		Nickel				X		Fluctuates, but increasing since October 2011
		Zinc				X		Fluctuates, but stable since January 2004
MW-20	UH	Nickel				X_A		Fluctuates, but generally stable since

Well ID	Groundwater Horizon	Analyte	Residential SSG	Commercial/ Industrial SSG	Groundskeeper/ Maintenance Worker SSG	5x, 40x, or 160x Aquatic Criteria	Drinking Water Standard	Trend
								July 2003
MW-32A	UH	Nickel				**X**		Increasing since August 2008
		Zinc				**X**		Increasing since August 2008
MW-32B	LH	Copper				**X**		Increasing since August 2008
		Nickel				**X**		Decreasing since August 2008
		Zinc				**X**		Decreasing since August 2008
IMW-42	UH	Nickel				**X**		Fluctuates, overall decreasing since April 2011
		Selenium				**X_A**		Fluctuates seasonally, overall slight increase since December 2011**
MW-21 Pilot Study Area								
IMW-48	UH	Copper				**X**		Fluctuates
		Nickel				**X**		Fluctuates
		Zinc				**X**		Fluctuates

Table Notes:

X = exceedance during April and October sampling events

X_A = exceedance during April sampling event

X_O = exceedance during October sampling event

UH = upper horizon

LH = lower horizon

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

3.3 Pesticides

Concentrations of pesticides exceeded the site-specific screening criteria in the sample collected from one monitoring well during the Reporting Period (Table 5). The well and the applicable screening criterion which was exceeded are indicated in the following table.

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**		Fluctuates (no noticeable trend since monitoring began in November 2009)

Table Notes:
X = exceedance during April and October sampling event
UH = upper horizon

4.0 SURFACE WATER MONITORING SUMMARY

Project Phase	Surface Water Monitoring
Sampling Locations	Depending on weather conditions, surface water monitoring may be conducted at the three storm-drain outfall locations shown on Figure 2 (001, 002, and 003). Outfall 001 is located at the lower Freshwater Lagoon (FWL) and Outfall 002 is located at the upper FWL. Outfalls 001 and 002 discharge to East Stege Marsh (ESM). Outfall 003 discharges to San Francisco Bay ("the Bay") in the tidal mud flats immediately south of ESM.
Frequency of Sampling	As-needed based on weather conditions. Surface water samples were collected in October, November, and December during this Reporting Period.

Analytical Results	Analytical results for surface water samples collected during the Reporting Period are presented in Tables 3, 4, 5, and 6.

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

The primary objective for the biologically active permeable barrier (BAPB) located at the Site (Figure 2) is to reduce the concentrations of divalent metals (cadmium, copper, nickel, lead, and zinc) in groundwater. Table 4 presents dissolved metals data, and Table 6 presents data for general minerals and pH for groundwater samples collected from monitoring wells at the Site. The combination of three wells positioned upgradient, within, and downgradient of the BAPB constitutes what is referred to in this AMR as a well cluster.[1] Table 8 summarizes the data specifically for the BAPB monitoring well clusters.

Project Phase	BAPB Cluster Wells
Sampling Locations	Well Cluster MW-8/-9/-28 Well Cluster MW-2/-3/-4 Well Cluster MW-13/-14/-15
Analytical Results	Table 8 presents the dissolved metals concentrations in the BAPB cluster wells. The applicable screening criteria are also provided in Table 8. A discussion of the metal concentrations detected in the BAPB cluster wells is provided below.
Geochemical /Biochemical Parameters	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 dissolved metals concentrations in groundwater passing through 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.

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, 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 higher than the pH in the corresponding upgradient well, with the exception of wells MW-8 and MW-9 in which the pH values measured in October 2014 were equal.

In April 2014, at well cluster MW-8/9/28, alkalinity in the BAPB well was comparable but slightly lower when compared to the alkalinity in the upgradient well (220 mg/L and 290 mg/L, respectively). In October 2014, alkalinity was higher in the BAPB well compared to the upgradient well (530 mg/L and 180 mg/L, respectively). In the well cluster MW-2/3/4, alkalinity was higher in the BAPB well as compared to the upgradient well during both monitoring events (730 mg/L and 350 mg/L, respectively in April 2014, and 1,600 mg/L and 450 mg/L, respectively in October 2014). In April 2014, at well cluster MW-13/14/15, alkalinity was lower in the BAPB well as compared to the upgradient well (260 mg/L and 590 mg/L, respectively), howeverIn October 2014, alkalinity was much higher in the BAPB well compared to the upgradient well (1,100 mg/L and 51 mg/L, respectively).

	The ORP results indicate that the BAPB is creating reducing conditions near all three well clusters as shown by the negative ORP values (Table 8). Ferrous iron concentrations were lower in groundwater samples from within the BAPB wells than in samples from their corresponding upgradient wells, with the exception of well cluster MW-13/14/15 in April 2014 (35 mg/L and 5 mg/L, respectively). Ferrous iron concentrations are decreasing 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. Decreasing sulfate concentrations are an indication of sulfate-reducing conditions. In all three well cluster, sulfide concentration in the BAPB increased 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. Table 8 presents geochemical/biochemical indicator parameters in the BAPB cluster wells. When comparing the indicator parameter data in the upgradient wells to those within the BAPB and downgradient from the BAPB, the data generally indicate that the BAPB continues to function as intended. Indicator parameters will continue to be monitored and evaluated during future monitoring events.
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, and 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. Indicator parameters collected in 2015 will be discussed in the 2015 AMR to be submitted to the DTSC by January 31, 2016.
Divalent Metal	Well Cluster MW-2/-3/-4

Concentrations at the BAPB	Divalent metal concentrations in all samples collected from this well cluster during the Reporting Period did not exceed the laboratory reporting limit. <u>Well Cluster MW-8/-9/-28</u> Copper and lead were not detected above the laboratory reporting limit in samples collected from this well cluster in April or October 2014. Nickel was not detected in wells MW-8 or MW-9, but was detected in well MW-28 in April and October 2014 at concentrations of 23 µg/L and 43 µg/L, respectively. During both sampling events, zinc was detected in the sample collected from the well upgradient of the BAPB, but was not detected above the laboratory reporting limit in the sample collected from the well within the BAPB. In April 2014, zinc was detected in the sample collected from the well downgradient of the BAPB at a concentration that was greater than the concentration in the well upgradient of the BAPB and in October 2014, zinc was detected in the sample collected from the well downgradient of the BAPB at a concentration that was lower than the concentration in the well upgradient of the BAPB. An evaluation of the concentration trend graphs presented in Appendix C indicates that zinc concentrations in well MW-28 during the Reporting Period generally remained stable during 2013 and 2014 and are below the concentrations recorded since 2009. Zinc results for this well cluster during the Reporting Period are presented in Table 8. <u>Well Cluster MW-13/-14/-15</u> In this cluster, copper was detected in the sample collected from the well downgradient of the BAPB in October 2014 at a concentration of 150 µg/L, but was not detected in the wells upgradient and within the BAPB. Copper was not detected above the laboratory reporting limit in samples collected from this well cluster in October. Lead was not detected above the laboratory reporting limit in samples collected from this well cluster in April or October 2014. In April 2014, nickel was detected in the sample collected from the well downgradient of the BAPB at a concentration of 15 µg/L. Nickel was not detected above the laboratory reporting limit in the remaining samples collected from this well cluster in April 2014. In October 2014, nickel was detected in the sample collected from the well upgradient of the BAPB at

	a concentration of 280 µg/L. Nickel was not detected in the samples collected from the wells within and downgradient of the BAPB in October 2014. Nickel results for this well cluster during the Reporting Period are presented in Table 8. Zinc was not detected above the laboratory reporting limit in samples collected from the wells upgradient and within the BAPB in this well cluster in April 2014. Zinc was detected in the sample collected from the well downgradient of the BAPB at a concentration of 550 µg/L. The April 2014 result represented an increase relative to previous years. 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 2014. Zinc was detected at a concentration of 6,600 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 or MW-15. An evaluation of the concentration trend graphs provided in Appendix C indicates that the zinc data collected at this well cluster in October 2014 are consistent with previous monitoring results. Zinc results for this well cluster during the Reporting Period are presented in Table 8.
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. <u>Well Cluster MW-2/-3/-4</u> In April and October 2014, arsenic was detected in samples collected from the wells upgradient, within, and downgradient of the BAPB. In April 2014, arsenic concentrations in samples collected downgradient of the BAPB were slightly lower than arsenic concentrations in samples collected upgradient of the BAPB. In October 2014, arsenic concentrations in samples collected downgradient of the BAPB were slightly higher than arsenic concentrations in samples collected upgradient of the BAPB An evaluation of the concentration trend graphs presented in Appendix C indicate that although arsenic concentrations at well MW-2 have

increased over time, the arsenic concentrations at well MW-3 have decreased. The arsenic trend graph for well MW-4 indicates that overall concentrations have been decreasing, but appear to be on an increasing trend since April 2012. Overall, seasonal variation is observed in arsenic concentrations; however the seasonal concentration peaks have generally attenuated over time. Arsenic results for this well cluster during the Reporting Period are presented in Table 8.

Well Cluster MW-8/-9/-28

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 AWQC (180 µg/L). However, arsenic concentrations for samples collected at MW-8 from October 2011 through October 2014 are below both the 5XAWQC criteria and the GMW criteria. 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 470 µg/L and 690 µg/L. During the Reporting Period, arsenic was detected at 580 µg/L in April and 480 µg/L in October. 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 whereas arsenic concentrations in 2014 increased relative to previous years. During the Reporting Period, arsenic was detected at 140 µg/L in both April and October at MW-28. Arsenic results for this well cluster during the Reporting Period are presented in Table 8.

Well Cluster MW-13/-14/-15

In April 2014, arsenic was not detected above the laboratory reporting limit in the sample collected from the well upgradient of the BAPB, but was detected in the samples collected from the wells within and downgradient of the BAPB at concentrations of 28 µg/L and 20 µg/L, respectively. Arsenic was detected in all 3 samples collected from this well cluster in October 2014, at concentrations of approximately the same magnitude (13 µg/L, 23 µg/L and 23 µg/L for the wells upgradient of the BAPB, within 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. Arsenic was not detected above the

	laboratory reporting limit in October 2011, April 2012, October 2013, or April 2014, but in October 2012, April 2013, and October 2014, the concentration slightly exceeded the reporting limit. 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 concentration at well MW-15 increased from 26 µg/L in May 2010 to 71 µg/L in October 2011, and has generally decreased since October 2011. Concentrations of arsenic in samples collected from this well cluster were below the applicable screening criteria. Arsenic results for this well cluster during the Reporting Period are presented in Table 8.

6.0 QUALITY ASSURANCE/QUALITY CONTROL RESULTS

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

Terraphase qualified the following sample results with a "FB" qualifier due to detections in equipment blanks collected during the sampling activities. The following table summarizes the detections:

Field Blank ID	Detected/Qualified Constituents	Associated Sample IDs with Qualified Results
March/April 2014		
EB-033114	Chloride, sulfate, alkalinity, TDS, barium, and molybdenum	MW-30, MW-34, MW-41, MW-43
EB-040114	alkalinity	MW-36, MW-40, MW-42, MW-42D
EB-040214	Barium, molybdenum, nitrogen, nitrate, sulfate	IMW-26, MW-25R, IMW-28, MW-27, IMW-29, IMW-25, IMW-31, IMW-27, IMW-33, IMW-30, IMW-17
EB-040314	Nitrogen, nitrate, sulfate	IMW-15, IMW-16D, IMW-8, IMW-5, IMW-7, IMW-7D, IMW-6, IMW-22

EB-040714	Chloride	IMW-46
EB-040814	TOC	IMW-45, IMW-48, MW-19, MW-19D, IMW-42, IMW-47, MW-32B, PZ-20A2, PZ-21A2, PZ-17A1, PZ-16, PZ-14, PZ-15
EB-040914	Barium, molybdenum, chloride, TOC	MW-32A, MW-18, IMW-43, IMW-44
October 2014		
EB-100214	Benzene, DOC	MW-36, MW-40, MW-41, MW-42, MW-42-D, MW-43, MW-44, MW-45
December 2014		
EB-120414	TSS	MW-34, MW-36, MW-40, MW-41, MW-42, MW-42-D

The results for the groundwater samples collected on those days were consistent with the analytical results collected in previous sampling events. The data associated with the equipment blanks has been qualified, but the data is still considered valid and available for use in this report. To determine the source of the equipment blank detections, Terraphase conducted a thorough review of the field sampling procedures. The deionized water used for the equipment blank analysis was purchased from a local store and a new bottle was used for each equipment blank sample. The tubing used for the equipment blank samples was stored inside the modular storage trailer that is maintained at the Site. During the October 2014 groundwater sampling event, deionized water was obtained only from the laboratory and new tubing was used for the sampling event. The tubing was not stored on Site.

The laboratory qualified the following results:

- In lab report 255415, high RSD between exposures were observed for the selenium result in sample MW-32B, but the result was confirmed by another sample run. The data was qualified by the laboratory with a “B” flag.

- In lab report 261515, the presence of beta-BHC was confirmed in sample PZ-13, but the RPD between columns exceeded 40%. The presence of beta-BHC and gamma-BHC was confirmed in sample PZ-13-D, but the RPD between columns exceeded 40%. The data was qualified by the laboratory with a “c” flag.

- In lab report 261694, the continuing calibration verification (CCV) drift was outside limits for 4,4’-DDD and gamma-Chlordane in sample PZ-15, and 4,4’-DDD in samples PZ-14 and PZ-16. The data was qualified by the laboratory with a “#” flag.

- In lab report 261712, the CCV drift was outside limits for Endosulfan sulfate, 4,4'-DDD, and gamma-Chlordane in sample MW-17. The data was qualified by the laboratory with a "#" flag.
- In lab report 262171, the presence of Endosulfan II was confirmed in sample 002-103114, but the RPD between columns exceeded 40%. The presence of beta-BHC and heptachlor epoxide was confirmed in sample 003-103114, but the RPD between columns exceeded 40%. The data was qualified by the laboratory with a "c" flag.
- In lab report 262504, the presence of Endosulfan II was confirmed in sample 002-111314, but the RPD between columns exceeded 40%. The data was qualified by the laboratory with a "c" flag. The CCV drift was outside limits for 4,4'-DDD in sample 003-111314. The data was qualified by the laboratory with a "#" flag.

7.0 WORK PLANNED FOR THE FIRST HALF OF 2015

The following field activities are currently anticipated to occur during the first half of 2015:

- Upkeep and maintenance of the temporary cap will continue.
- Conduct semi-annual groundwater monitoring activities in April 2015.

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

8.0 REFERENCES

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TABLES

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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	
Temporary Monitoring Wells (Pilot Test Study) Continued									
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	

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
IMW-35B*	9/2/2010	25.0	2.0 PVC	15.0-25.0	8.0	Riser Pipe	10.29	7.27	Mixed fill and cinder 7' to 9' bgs
IMW-36	12/28/2009	15.0	2.0 PVC	5.0-15.0	8.0	Riser Pipe	10.00	7.68	Mixed fill with cinder trace 6.5' to 8'
IMW-36B*	9/1/2010	29.0	2.0 PVC	19.0-29.0	8.0	Riser Pipe	12.46	9.56	Mixed fill and cinder 7.5' to 10'
IMW-37	12/28/2009	15.0	2.0 PVC	5.0-15.0	8.0	Riser Pipe	9.49	7.03	Cinder 4' to 5' bgs
IMW-37B*	9/3/2010	29.0	2.0 PVC	19.0-29.0	8.0	Riser Pipe	13.17	10.27	Mixed fill with cinder trace 9.5' to 11.5'
IMW-38A	12/29/2009	15.0	2.0 PVC	5.0-15.0	8.0	Riser Pipe	11.71	9.56	
IMW-38B*	12/31/2009	28.5	2.0 PVC	18.5-28.5	8.0	Riser Pipe	11.83	9.12	Mixed fill and cinder 8.5' to 10' bgs
IMW-39A	12/29/2009	15.0	2.0 PVC	5.0-15.0	8.0	Riser Pipe	12.37	10.39	
IMW-39B*	12/31/2009	27.0	2.0 PVC	17.0-27.0	8.0	Riser Pipe	13.10	9.90	Mixed fill and trace cinder 8' to 12' bgs
Temporary Monitoring Wells (Pilot Test Study) Continued									
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)
MW-10A	3/19/2003	9.82	7.15	2.67
MW-10A	7/30/2003	9.82	6.73	3.09
MW-10A	7/30/2003	9.82	9.42	0.40
MW-10A	8/25/2003	9.82	6.81	3.01
MW-10A	10/22/2003	9.82	7.25	2.57
MW-10A	1/27/2004	9.82	5.95	3.87
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-11A	3/20/2003	13.62	9.40	4.22
MW-11A	7/30/2003	13.62	10.10	3.52
MW-11A	7/30/2003	13.62	10.13	3.49
MW-11A	8/25/2003	13.62	10.45	3.17
MW-11A	10/22/2003	13.62	10.75	2.87
MW-11A	1/27/2004	13.62	9.21	4.41
MW-11A	4/13/2004	13.62	9.90	3.72
MW-11A	7/19/2004	13.62	8.90	4.72
MW-11A	10/11/2004	13.62	10.75	2.87

Table 2
Groundwater Elevation Data
Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
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-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

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)
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-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***

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-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

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	10/22/2003	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-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

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-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-32B	8/4/2008	17.28	13.45	3.83
MW-32B	11/4/2008	17.28	13.40	3.88
MW-32B	2/2/2009	17.28	13.37	3.91
MW-32B	5/4/2009	17.28	12.84	4.44
MW-32B	8/3/2009	17.28	13.59	3.69
MW-32B	11/2/2009	17.28	12.94	4.34
MW-32B	2/1/2010	17.28	11.34	5.94
MW-32B	5/3/2010	17.28	12.23	5.05
MW-32B	8/2/2010	17.28	13.41	3.87
MW-32B	11/1/2010	17.28	13.69	3.59
MW-32B	4/11/2011	17.28	11.91	5.37
MW-32B	10/3/2011	17.28	13.12	4.16
MW-32B	4/2/2012	17.28	11.58	5.70
MW-32B	10/1/2012	17.28	13.25	4.03
MW-32B	4/1/2013	17.28	12.96	4.32
MW-32B	10/7/2013	17.28	13.83	3.45
MW-32B	***3/28/2014***	***17.28***	***12.71***	***4.57***
MW-32B	***10/1/2014***	***17.28***	***13.79***	***3.49***

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
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

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	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
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

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	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
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

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	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
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

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	11/1/2010	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
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

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-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-8	4/27/2007	14.37	7.34	7.03
PZ-8	5/7/2007	14.37	7.44	6.93
PZ-8	8/6/2007	14.37	8.81	5.56
PZ-8	11/5/2007	14.37	9.04	5.33
PZ-8	2/4/2008	14.37	4.12	10.25
PZ-8	5/5/2008	14.37	7.47	6.90
PZ-8	8/4/2008	14.37	8.56	5.81
PZ-8	11/4/2008	14.37	8.58	5.79
PZ-8	2/2/2009	14.37	8.17	6.20
PZ-8	5/4/2009	14.37	6.90	7.47
PZ-8	8/3/2009	14.37	8.43	5.94
PZ-8	11/2/2009	14.37	7.76	6.61
PZ-8	2/1/2010	14.37	4.45	9.92
PZ-8	5/4/2010	14.37	5.43	8.94
PZ-8	8/2/2010	14.37	7.67	6.70
PZ-8	11/1/2010	14.37	8.45	5.92
PZ-9	4/27/2007	23.72	12.80	10.92
PZ-9	5/7/2007	23.72	12.87	10.85
PZ-9	8/6/2007	23.72	14.02	9.70
PZ-9	11/5/2007	23.72	14.21	9.51
PZ-9	2/4/2008	23.72	11.27	12.45
PZ-9	5/5/2008	23.72	12.94	10.78
PZ-9	8/4/2008	23.72	13.76	9.96
PZ-9	11/4/2008	23.72	13.88	9.84
PZ-9	2/2/2009	23.72	13.00	10.72
PZ-9	5/4/2009	23.72	12.59	11.13
PZ-9	8/3/2009	23.72	13.84	9.88
PZ-9	11/2/2009	23.72	13.51	10.21
PZ-9	2/1/2010	23.72	11.40	12.32
PZ-9	5/4/2010	23.72	11.68	12.04
PZ-9	8/2/2010	23.72	13.23	10.49
PZ-9	11/1/2010	23.72	13.75	9.97
PZ-10	8/4/2008	13.19	8.11	5.08
PZ-10	11/4/2008	13.19	8.30	4.89
PZ-10	2/2/2009	13.19	6.45	6.74
PZ-10	5/4/2009	13.19	5.95	7.24

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-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-11	11/2/2009	21.66	11.87	9.79
PZ-11	2/1/2010	21.66	8.25	13.41
PZ-11	5/4/2010	21.66	8.80	12.86
PZ-11	8/2/2010	21.66	11.53	10.13
PZ-11	11/1/2010	21.66	12.41	9.25
PZ-11	4/11/2011	21.66	7.21	14.45
PZ-11	10/3/2011	21.66	12.12	9.54
PZ-11	4/2/2012	21.66	7.76	13.90
PZ-11	10/2/2012	21.66	12.10	9.56
PZ-11	4/1/2013	21.66	10.90	10.76
PZ-11	10/7/2013	21.66	12.71	8.95
PZ-11	***3/28/2014***	***21.66***	***10.80***	***10.86***
PZ-11	***10/1/2014***	***21.66***	***12.91***	***8.75***
PZ-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-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

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	***3/28/2014***	***11.39***	***4.63***	***6.76***
PZ-13	***10/1/2014***	***11.39***	***7.70***	***3.69***
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-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-16	11/2/2009	6.71	3.54	3.17
PZ-16	2/1/2010	6.71	2.02	4.69
PZ-16	5/3/2010	6.71	3.10	3.61
PZ-16	8/2/2010	6.71	3.86	2.85
PZ-16	11/1/2010	6.71	3.90	2.81
PZ-16	4/11/2011	6.71	2.94	3.77
PZ-16	10/10/2011	6.71	3.69	3.02
PZ-16	4/2/2012	6.71	2.61	4.10
PZ-16	10/1/2012	6.71	3.73	2.98
PZ-16	4/1/2013	6.71	3.07	3.64
PZ-16	10/7/2013	6.71	3.95	2.76
PZ-16	***3/28/2014***	***6.71***	***2.90***	***3.81***
PZ-16	***10/1/2014***	***6.71***	***3.90***	***2.81***

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-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
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-3	2/26/2007	15.34	4.03	11.31

Table 2
Groundwater Elevation Data
Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
Temporary Groundwater Monitoring Wells (Support Pilot Studies)				
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-4	2/26/2007	15.83	0.00	15.83
IMW-4	4/27/2007	15.83	4.99	10.84
IMW-4	5/7/2007	15.83	4.84	10.99
IMW-4	8/6/2007	15.83	6.23	9.60
IMW-4	11/5/2007	15.83	6.51	9.32
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-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

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	8/6/2007	13.77	5.79	7.98
IMW-5	11/5/2007	13.77	5.91	7.86
IMW-5	2/4/2008	13.77	2.80	10.97
IMW-5	5/5/2008	13.77	4.71	9.06
IMW-5	8/4/2008	13.77	5.61	8.16
IMW-5	11/4/2008	13.77	5.41	8.36
IMW-5	2/2/2009	13.77	5.28	8.49
IMW-5	5/4/2009	13.77	4.56	9.21
IMW-5	8/3/2009	13.77	5.65	8.12
IMW-5	11/2/2009	13.77	4.92	8.85
IMW-5	2/1/2010	13.77	3.14	10.63
IMW-5	5/3/2010	13.77	4.08	9.69
IMW-5	8/2/2010	13.77	5.23	8.54
IMW-5	11/1/2010	13.77	5.53	8.24
IMW-5	4/11/2011	13.77	3.38	10.39
IMW-5	10/3/2011	13.77	5.48	8.29
IMW-5	4/2/2012	13.77	3.30	10.47
IMW-5	10/1/2012	13.77	5.87	7.90
IMW-5	4/1/2013	13.77	4.77	9.00
IMW-5	***3/28/2014***	***13.77***	***4.37***	***9.40***
IMW-5	***10/1/2014***	***13.77***	***7.21***	***6.56***
IMW-5	10/7/2013	13.77	6.33	7.44
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-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

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	11/5/2007	15.26	8.00	7.26
IMW-7	2/4/2008	15.26	4.04	11.22
IMW-7	5/5/2008	15.26	6.32	8.94
IMW-7	8/4/2008	15.26	7.02	8.24
IMW-7	11/4/2008	15.26	6.55	8.71
IMW-7	2/2/2009	15.26	6.87	8.39
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-8	2/26/2007	13.92	NM	--
IMW-8	4/27/2007	13.92	NM	--
IMW-8	5/7/2007	13.92	NM	--
IMW-8	8/6/2007	13.92	7.79	6.13
IMW-8	11/5/2007	13.92	9.01	4.91
IMW-8	2/4/2008	13.92	2.75	11.17
IMW-8	5/5/2008	13.92	4.82	9.10
IMW-8	8/4/2008	13.92	5.60	8.32
IMW-8	11/4/2008	13.92	5.38	8.54
IMW-8	2/2/2009	13.92	5.41	8.51
IMW-8	5/4/2009	13.92	4.75	9.17
IMW-8	8/3/2009	13.92	5.75	8.17
IMW-8	11/2/2009	13.92	4.99	8.93
IMW-8	2/1/2010	13.92	3.16	10.76
IMW-8	5/3/2010	13.92	4.13	9.79
IMW-8	8/2/2010	13.92	5.33	8.59
IMW-8	11/1/2010	13.92	5.65	8.27
IMW-8	4/11/2011	13.92	4.30	9.62
IMW-8	10/3/2011	13.92	5.64	8.28
IMW-8	4/2/2012	13.92	3.25	10.67
IMW-8	10/1/2012	13.92	5.91	8.01
IMW-8	4/1/2013	13.92	4.83	9.09
IMW-8	10/7/2013	13.92	6.38	7.54
IMW-8	***3/28/2014***	***13.92***	***4.75***	***9.17***
IMW-8	***10/1/2014***	***13.92***	***7.25***	***6.67***
IMW-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

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-9	2/4/2008	16.19	2.19	14.00
IMW-9	5/5/2008	16.19	5.55	10.64
IMW-9	8/4/2008	16.19	6.56	9.63
IMW-9	11/4/2008	16.19	6.64	9.55
IMW-9	2/2/2009	16.19	6.26	9.93
IMW-9	5/4/2009	16.19	5.45	10.74
IMW-9	8/3/2009	16.19	6.69	9.50
IMW-9	11/2/2009	16.19	6.00	10.19
IMW-9	2/1/2010	16.19	2.95	13.24
IMW-9	5/3/2010	16.19	7.62	8.57
IMW-9	5/3/2010	19.60	7.62	11.98
IMW-9	8/2/2010	19.60	9.33	10.27
IMW-9	11/1/2010	19.60	10.06	9.54
IMW-10	2/26/2007	16.24	4.46	11.78
IMW-10	4/27/2007	16.24	5.60	10.64
IMW-10	5/7/2007	16.24	5.72	10.52
IMW-10	8/6/2007	16.24	6.95	9.29
IMW-10	11/5/2007	16.24	7.15	9.09
IMW-10	2/4/2008	16.24	2.42	13.82
IMW-10	5/5/2008	16.24	5.69	10.55
IMW-10	8/4/2008	16.24	6.73	9.51
IMW-10	11/4/2008	16.24	6.75	9.49
IMW-10	2/2/2009	16.24	6.41	9.83
IMW-10	5/4/2009	16.24	5.55	10.69
IMW-10	8/3/2009	16.24	6.84	9.40
IMW-10	11/2/2009	16.24	6.12	10.12
IMW-10	2/1/2010	16.24	3.13	13.11
IMW-10	5/3/2010	16.24	7.68	8.56
IMW-10	5/3/2010	19.53	7.68	11.85
IMW-10	8/2/2010	19.53	9.37	10.16
IMW-10	11/1/2010	19.53	10.11	9.42
IMW-11	2/26/2007	16.19	4.47	11.72
IMW-11	4/27/2007	16.19	5.63	10.56
IMW-11	5/7/2007	16.19	5.75	10.44
IMW-11	8/6/2007	16.19	6.99	9.20
IMW-11	11/5/2007	16.19	7.26	8.93
IMW-11	2/4/2008	16.19	2.56	13.63
IMW-11	5/5/2008	16.19	5.73	10.46
IMW-11	8/4/2008	16.19	6.78	9.41
IMW-11	11/4/2008	16.19	6.60	9.59
IMW-11	2/2/2009	16.19	6.50	9.69
IMW-11	5/4/2009	16.19	5.60	10.59
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

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-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-13	2/26/2007	17.38	6.07	11.31
IMW-13	4/27/2007	17.38	7.21	10.17
IMW-13	5/7/2007	17.38	7.73	9.65
IMW-13	8/6/2007	17.38	8.90	8.48
IMW-13	11/5/2007	17.38	9.17	8.21
IMW-13	2/4/2008	17.38	4.86	12.52
IMW-13	5/5/2008	17.38	7.20	10.18
IMW-13	8/4/2008	17.38	8.50	8.88
IMW-13	11/4/2008	17.38	8.79	8.59
IMW-13	2/2/2009	17.38	8.20	9.18
IMW-13	5/4/2009	17.38	7.01	10.37
IMW-13	8/3/2009	17.38	8.42	8.96
IMW-13	11/2/2009	17.38	7.94	9.44
IMW-13	2/1/2010	17.38	5.66	11.72
IMW-13	5/3/2010	17.38	5.78	11.60
IMW-13	8/2/2010	17.38	7.91	9.47
IMW-13	11/1/2010	17.38	8.59	8.79
IMW-13	***3/28/2014***	***17.38***	***7.87***	***9.51***
IMW-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-15	2/26/2007	20.01	8.54	11.47

Table 2
Groundwater Elevation Data
Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
Temporary Groundwater Monitoring Wells (Support Pilot Studies)				
IMW-15	4/27/2007	20.01	9.50	10.51
IMW-15	5/7/2007	20.01	9.65	10.36
IMW-15	8/6/2007	20.01	11.18	8.83
IMW-15	11/5/2007	20.01	11.52	8.49
IMW-15	2/4/2008	20.01	7.28	12.73
IMW-15	5/5/2008	20.01	9.77	10.24
IMW-15	8/4/2008	20.01	11.00	9.01
IMW-15	11/4/2008	20.01	11.42	8.59
IMW-15	2/2/2009	20.01	10.58	9.43
IMW-15	5/4/2009	20.01	9.27	10.74
IMW-15	8/3/2009	20.01	10.92	9.09
IMW-15	11/2/2009	20.01	10.53	9.48
IMW-15	2/1/2010	20.01	6.92	13.09
IMW-15	5/3/2010	20.01	7.51	12.50
IMW-15	8/2/2010	20.01	10.22	9.79
IMW-15	11/1/2010	20.01	11.15	8.86
IMW-15	4/11/2011	20.01	6.26	13.75
IMW-15	10/3/2011	20.01	10.48	9.53
IMW-15	4/2/2012	20.01	6.48	13.53
IMW-15	10/1/2012	20.01	10.82	9.19
IMW-15	4/1/2013	20.01	9.34	10.67
IMW-15	10/7/2013	20.01	11.71	8.30
IMW-15	***3/28/2014***	***20.01***	***9.80***	***10.21***
IMW-15	***10/1/2014***	***20.01***	***12.13***	***7.88***
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-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

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	8/6/2007	20.29	11.46	8.83
IMW-17	11/5/2007	20.29	11.79	8.50
IMW-17	2/4/2008	20.29	7.55	12.74
IMW-17	5/5/2008	20.29	10.06	10.23
IMW-17	8/4/2008	20.29	11.28	9.01
IMW-17	11/4/2008	20.29	11.70	8.59
IMW-17	2/2/2009	20.29	10.85	9.44
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-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
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-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

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-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-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-25	11/2/2009	25.18	13.35	11.83
IMW-25	2/1/2010	25.18	9.41	15.77
IMW-25	5/3/2010	25.18	11.79	13.39
IMW-25	8/2/2010	25.18	13.56	11.62
IMW-25	11/1/2010	25.18	14.03	11.15
IMW-25	4/11/2011	25.18	9.19	15.99
IMW-25	10/3/2011	25.18	14.00	11.18
IMW-25	4/2/2012	25.18	9.45	15.73
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-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-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

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	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-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-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-30	11/2/2009	20.38	10.86	9.52
IMW-30	2/1/2010	20.38	7.02	13.36
IMW-30	5/3/2010	20.38	7.69	12.69
IMW-30	8/2/2010	20.38	10.50	9.88
IMW-30	11/1/2010	20.38	11.48	8.90
IMW-30	4/11/2011	20.38	6.33	14.05
IMW-30	10/3/2011	20.38	11.09	9.29
IMW-30	4/2/2012	20.38	6.58	13.80
IMW-30	10/1/2012	20.38	11.11	9.27
IMW-30	4/1/2013	20.38	9.43	10.95
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-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

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-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-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-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-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-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-44	4/11/2011	17.87	12.08	5.79
IMW-44	4/2/2012	17.87	11.50	6.37
IMW-44	10/1/2012	17.87	13.88	3.99

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	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-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-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-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-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-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-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-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

Table 2

Groundwater Elevation Data

Campus Bay, Richmond, California

Well Name	Sample Date	Top of Casing Elevation (feet NVGD)	Depth to Water (feet below top of casing)	Groundwater Elevation (feet NGVD)
Temporary Groundwater Monitoring Wells (Support Pilot Studies)				
IMW-57	10/7/2013	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***
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-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-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-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-62	5/2/2013	16.76	8.94	7.82
IMW-62	10/7/2013	16.76	10.32	6.44
IMW-62	***3/28/2014***	***16.76***	***8.37***	***8.39***
IMW-62	***10/1/2014***	***16.76***	***11.05***	***5.71***

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-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-4	4/27/2007	12.80	3.29	9.51
DTSC-MW-4	5/7/2007	12.80	3.37	9.43
DTSC-MW-4	8/6/2007	12.80	4.35	8.45
DTSC-MW-4	11/5/2007	12.80	8.30	4.50
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

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	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***

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
All results in micrograms per liter (µg/L)

Lot/Location	Sample ID	Sample Type	Sample 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	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2-Chlorotoluene	4-Chlorotoluene	Acetone	Benzene	Bromomethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Naphthalene	o-Xylene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride
DTSC Harborfront	DTSC-MW-1	Primary	4/4/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**6.4**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	1	<0.5	<2	<0.5	<0.5	<0.5	<0.5	**55**	<0.5
DTSC Harborfront	DTSC-MW-1	Primary	10/8/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**5.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	<2	<0.5	<0.5	<0.5	<0.5	**52**	<0.5
DTSC Harborfront	DTSC-MW-2	Primary	4/4/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.7**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	1	<0.5	<2	<0.5	<0.5	<0.5	<0.5	**11**	<0.5
DTSC Harborfront	DTSC-MW-2	Primary	10/8/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	<0.5	**0.7**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	1.3	<0.5	<2	<0.5	<0.5	<0.5	<0.5	**14**	<0.5
DTSC Harborfront	DTSC-MW-4	Primary	4/4/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.9**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	**48**	<0.5
DTSC Harborfront	DTSC-MW-4	Primary	10/8/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	**46**	<0.5
Lot 1	IMW-1	Primary	4/4/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<10	<0.5	<0.5	<0.5	<0.5	2.8	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	***7***
Lot 1	IMW-1	Primary	10/6/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	1.7	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	***6.3***
Lot 1	IMW-15	Primary	4/3/2014	Lower Horizon	NA	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<100	<5	<7.1	<5	<5	<5	<5	**700**	<5	<20	<5	<5	<5	<5	**6.7**	**21**
Lot 1	IMW-15	Primary	10/6/2014	Lower Horizon	NA	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<2.5	<5	<2.5	<2.5	<2.5	<2.5	**410**	<2.5	<10	<2.5	<2.5	<2.5	<2.5	**17**
Lot 1	IMW-16	Primary	4/3/2014	Lower Horizon	NA	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<71	<3.6	<7.1	<3.6	<3.6	<3.6	<3.6	**410**	<3.6	<14	<3.6	<3.6	<3.6	<3.6	**21**	<3.6
Lot 1	IMW-16-D	Duplicate	4/3/2014	Lower Horizon	NA	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<71	<3.6	<7.1	<3.6	<3.6	<3.6	<3.6	**410**	<3.6	<14	<3.6	<3.6	<3.6	3.7	**18**	<3.6
Lot 1	IMW-16	Primary	10/6/2014	Lower Horizon	NA	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	**500**	<0.5	<2	<0.5	<0.5	<0.5	2.4	0.9	**3.6**
Lot 1	IMW-17	Primary	4/2/2014	Lower Horizon	NA	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<33	<1.7	<3.3	<1.7	<1.7	<1.7	<1.7	**380**	<1.7	<6.7	<1.7	<1.7	<1.7	1.7	**6.4**	**2.4**
Lot 1	IMW-17	Primary	10/6/2014	Lower Horizon	NA	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	**490**	<0.5	<2	<0.5	<0.5	<0.5	4.9	3.6	**4.8**
Lot 1	IMW-2	Primary	3/31/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	4.2	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	***6.9***
Lot 1	IMW-2	Primary	10/6/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	2	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	***6.5***
Lot 1	IMW-23	Primary	4/11/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	3.5	<0.5	<2	<0.5	4.8	<0.5	<0.5	**52**	<0.5
Lot 1	IMW-23	Primary	10/8/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	4.5	<0.5	<2	<0.5	**6.7**	<0.5	<0.5	**64**	<0.5
Lot 1	IMW-25	Primary	4/2/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	1.5	<0.5
Lot 1	IMW-25	Primary	10/3/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	<2	<0.5	<0.5	<0.5	<0.5	1.7	<0.5
Lot 1	IMW-26	Primary	4/2/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	**9.3**	<0.5	<2	<0.5	<0.5	<0.5	<0.5	1.1	***47***
Lot 1	IMW-26	Primary	10/3/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	2.4	<0.5	<2	<0.5	0.6	<0.5	1.2	1.7	***330***
Lot 1	IMW-27	Primary	4/2/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	**13**	<0.5	<2	<0.5	**29**	<0.5	<0.5	**28**	0.5
Lot 1	IMW-27	Primary	10/3/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	**55**	<0.5	<2	<0.5	***380***	<0.5	1.3	***200***	***26***
Lot 1	IMW-28	Primary	4/2/2014	Upper Horizon	NA	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<63	<3.1	<6.3	<3.1	<3.1	<3.1	<3.1	**470**	<3.1	<13	<3.1	3.3	<3.1	4.9	***210***	***190***
Lot 1	IMW-28	Primary	10/3/2014	Upper Horizon	NA	<3.1	<3.1	<3.1	**7.2**	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<63	<3.1	<6.3	<3.1	<3.1	<3.1	<3.1	**910**	<3.1	<13	<3.1	4	<3.1	**25**	***870***	***390***
Lot 1	IMW-29	Primary	4/2/2014	Lower Horizon	NA	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<83	<4.2	<8.3	<4.2	<4.2	<4.2	<4.2	**78**	<4.2	<17	<4.2	<4.2	<4.2	<4.2	**120**	**700**
Lot 1	IMW-29	Primary	10/3/2014	Lower Horizon	NA	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	3.8	<0.5	<0.5	<0.5	**73**	<0.5	<2	<0.5	<0.5	<0.5	6.1	**66**	**120**
Lot 1	IMW-3	Primary	3/31/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	***1.6***
Lot 1	IMW-3	Primary	10/6/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	1	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	***2.4***
Lot 1	IMW-30	Primary	4/2/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	**51**	<0.5	<2	<0.5	<0.5	<0.5	<0.5	1.9	<0.5
Lot 1	IMW-30	Primary	10/3/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	**37**	<0.5	<2	<0.5	<0.5	<0.5	<0.5	1.3	<0.5
Lot 1	IMW-31	Primary	4/2/2014	Upper Horizon	NA	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<63	<3.1	<6.3	<3.1	<3.1	<3.1	<3.1	**450**	<3.1	<13	<3.1	<3.1	<3.1	4.2	<3.1	***9***
Lot 1	IMW-31	Primary	10/3/2014	Upper Horizon	NA	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<130	<6.3	<13	<6.3	<6.3	<6.3	<6.3	**710**	<6.3	<25	<6.3	<6.3	<6.3	<6.3	<6.3	***13***
Lot 1	IMW-32	Primary	4/2/2014	Lower Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 1	IMW-32	Primary	10/6/2014	Lower Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 1	IMW-33	Primary	4/2/2014	Lower Horizon	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<40	<2	<4	<2	<2	<2	<2	**430**	<2	<8	<2	<2	<2	2.5	**32**	**9.2**
Lot 1	IMW-33	Primary	10/6/2014	Lower Horizon	NA	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<2.5	<5	<2.5	<2.5	<2.5	<2.5	**320**	<2.5	<10	<2.5	<2.5	<2.5	2.9	**24**	<2.5
Lot 1	IMW-4	Primary	3/31/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 1	IMW-4	Primary	10/6/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	1	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	***4.2***
Lot 1	MW-25R	Primary	4/2/2014	Upper Horizon	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<200	<10	<20	<10	<10	<10	<10	**33**	<10	<40	<10	***1000***	<10	<10	**130**	<10
Lot 1	MW-25R	Primary	10/3/2014	Upper Horizon	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<200	<10	<20	<10	<10	<10	<10	**68**	<10	<40	<10	***1600***	<10	<10	***300***	***16***
Lot 1	MW-26	Primary	4/11/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 1	MW-26D	Duplicate	4/11/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 1	MW-26	Primary	10/8/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 1	MW-26D	Duplicate	10/8/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 1	MW-27	Primary	4/2/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	3.3	<0.5	<2	<0.5	<0.5	<0.5	<0.5	**7.8**	<0.5
Lot 1	MW-27	Primary	10/3/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	4	<0.5	<2	<0.5	<0.5	<0.5	<0.5	**13**	<0.5
Lot 1	MW-30	Primary	3/31/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 1	MW-30	Primary	10/6/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 1	MW-33	Primary	4/4/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	**8.7**	<0.5
Lot 1	MW-33D	Primary	4/4/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	**8.8**	<0.5
Lot 1	MW-33	Primary	10/8/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	**7.5**	<0.5
Lot 1	MW-33D	Primary	10/8/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	**7.7**	<0.5
Lot 1	PZ-11	Primary	4/4/2014	Upper Horizon	NA	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<71	<3.6	<7.1	<3.6	<3.6	<3.6	<3.6	**480**	<3.6	<14	<3.6	<3.6	<3.6	**48**	**130**	***8.6***
Lot 1	PZ-11-D	Duplicate	4/4/2014	Upper Horizon	NA	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<83	<4.2	<8.3	<4.2	<4.2	<4.2	<4.2	**540**	<4.2	<17	<4.2	<4.2	<4.2	**55**	**140**	***9.4***
Lot 1	PZ-11	Primary	10/8/2014	Upper Horizon	NA	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<63	<3.1	<6.3	<3.1	<3.1	<3.1	<3.1	**500**	<3.1	<13	<3.1	**5.4**	<3.1	**73**	**150**	***15***
Lot 1	PZ-11-D	Duplicate	10/8/2014	Upper Horizon	NA	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<63	<3.1	<6.3	<3.1	<3.1	<3.1	<3.1	**620**	<3.1	<13	<3.1	4.9	<3.1	**66**	**140**	***14***

Table 3
Sampling Analytical Results
Volatile Organic Compounds
Campus Bay, Richmond, CA
All results in micrograms per liter (µg/L)

Lot/Location	Sample ID	Sample Type	Sample 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	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2-Chlorotoluene	4-Chlorotoluene	Acetone	Benzene	Bromomethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Naphthalene	o-Xylene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride
Lot 1	PZ-12	Primary	4/4/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	1.5	<0.5	<0.5	<0.5	5.7	<0.5	<2	<0.5	<0.5	<0.5	<0.5	0.8	***26***
Lot 1	PZ-12	Primary	10/8/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	**15**	<0.5	<2	<0.5	<0.5	<0.5	0.6	1.1	***24***
Lot 2	IMW-12	Primary	4/3/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**15**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	7.1	3.5	1.4	<0.5	<2	<0.5	2.8	<0.5	<0.5	3.2	<0.5
Lot 2	IMW-13	Primary	4/3/2014	Upper Horizon	NA	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	**61**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	3.2	0.5	<0.5	<2	<0.5	1.3	<0.5	<0.5	1.9	<0.5
Lot 2	IMW-14	Primary	4/3/2014	Upper Horizon	NA	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	**6.9**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	7.8	1.8	<0.5	<2	<0.5	**6.2**	<0.5	<0.5	**8.8**	<0.5
Lot 2	IMW-22	Primary	4/3/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.7**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	**7.5**	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	***9.4***
Lot 2	IMW-22	Primary	10/13/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**14**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	5.8	<0.5	<0.5	<0.5	**10**	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	***29***
Lot 2	IMW-5	Primary	4/3/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	5.2	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	***5.7***
Lot 2	IMW-5	Primary	10/6/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	1.9	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	***1.4***
Lot 2	IMW-6	Primary	4/3/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	3.3	**2.1**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	**44**	<0.5	<2	<0.5	0.6	<0.5	0.9	**8.3**	***4.4***
Lot 2	IMW-6	Primary	10/13/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	12	**29**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	**19**	<0.5	<2	<0.5	1.5	<0.5	0.7	**6.2**	***4***
Lot 2	IMW-7	Primary	4/3/2014	Upper Horizon	NA	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	4.6	***160***	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<25	<1.3	<2.5	<1.3	<1.3	<1.3	<1.3	**17**	<1.3	<5	<1.3	<1.3	<1.3	<1.3	2	<1.3
Lot 2	IMW-7-D	Duplicate	4/3/2014	Upper Horizon	NA	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	5	***160***	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<25	<1.3	<2.5	<1.3	<1.3	<1.3	<1.3	**18**	<1.3	<5	<1.3	<1.3	<1.3	<1.3	2.1	<1.3
Lot 2	IMW-7	Primary	10/13/2014	Upper Horizon	NA	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	4.6	***140***	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<25	<1.3	<2.5	<1.3	<1.3	<1.3	<1.3	**24**	<1.3	<5	<1.3	<1.3	<1.3	1.4	1.9	***2***
Lot 2	IMW-7-D	Duplicate	10/13/2014	Upper Horizon	NA	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	5.3	**120**	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<25	<1.3	<2.5	<1.3	<1.3	<1.3	<1.3	**23**	<1.3	<5	<1.3	<1.3	<1.3	1.4	1.8	***1.5***
Lot 2	IMW-8	Primary	4/3/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<5	<0.5	<0.5	<0.5	**460**	<0.5	<2	<0.5	<0.5	<0.5	<0.5	2.5	***190***
Lot 2	IMW-8	Primary	10/6/2014	Upper Horizon	NA	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<25	<1.3	<2.5	<1.3	<1.3	<1.3	<1.3	**170**	<1.3	<5	<1.3	<1.3	<1.3	<1.3	**6**	***82***
Lot 2	MW-24	Primary	4/3/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.3	0.8	<10	<0.5	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	2.3	2.2	<0.5	0.9	99	<0.5	<0.5	<0.5
Lot 2	MW-24	Primary	10/14/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	1	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	6.7	3.4	<10	<0.5	<1	0.6	<0.5	<0.5	<0.5	<0.5	6.5	9.6	0.8	0.8	3.2	<0.5	<0.5	<0.5
Lot 2	MW-31	Primary	4/7/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.7**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	**20**	<0.5
Lot 2	MW-31	Primary	10/8/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**2.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	**21**	<0.5
Lot 2	PZ-7	Primary	4/3/2014	Upper Horizon	NA	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<71	<3.6	<7.1	<3.6	<3.6	14	<3.6	**9.6**	<3.6	<14	<3.6	<3.6	<3.6	<3.6	***520***	<3.6
Lot 3	IMW-42	Primary	4/8/2014	Upper Horizon	UG of BAPB	<7.1	28	<7.1	<7.1	<7.1	<7.1	<7.1	13	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<140	<7.1	<14	<7.1	<7.1	72	15	1200	<7.1	<29	<7.1	***980***	<7.1	11	91	<7.1
Lot 3	IMW-42	Primary	10/9/2014	Upper Horizon	UG of BAPB	<5	<5	10	<5	<5	<5	<5	24	<5	<5	<5	<5	<5	<5	<100	<5	<10	<5	<5	52	<5	760	<5	<20	<5	***710***	<5	11	***190***	<5
Lot 3	IMW-43	Primary	4/9/2014	Upper Horizon	UG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	0.5	<1	<0.5	<0.5	<0.5	<0.5	62	<0.5	<2	<0.5	3.6	<0.5	<0.5	1.2	0.6
Lot 3	IMW-43	Primary	10/9/2014	Upper Horizon	UG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	69	<0.5	<2	<0.5	4	<0.5	<0.5	1.4	0.5
Lot 3	IMW-44	Primary	4/9/2014	Upper Horizon	UG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	30	<0.5	<1	1.1	<0.5	2.2	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	2.2	<0.5
Lot 3	IMW-45	Primary	4/8/2014	Upper Horizon	UG of BAPB	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	700	<3.6	<7.1	100	<36	45	<3.6	550	<3.6	<14	<3.6	***31***	<3.6	<3.6	11	***12***
Lot 3	IMW-45	Primary	10/8/2014	Upper Horizon	UG of BAPB	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	210	1.8	<2.5	<1.3	<1.3	42	<1.3	140	<1.3	<5	<1.3	3.4	<1.3	<1.3	1.4	***98***
Lot 3	IMW-46	Primary	4/7/2014	Upper Horizon	UG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	15	<0.5	1.4	<0.5	0.6	<0.5	<2	<0.5	<0.5	0.7	<0.5	1.7	0.7
Lot 3	IMW-47	Primary	4/8/2014	Upper Horizon	UG of BAPB	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<50	3.9	<5.0	<2.5	<2.5	54	<2.5	62	<2.5	<10	<2.5	<2.5	<2.5	2.6	***390***	<2.5
Lot 3	IMW-48	Primary	4/8/2014	Upper Horizon	UG of BAPB	<13	<13	<13	<13	<13	<13	<13	<13	<13	<13	<13	<13	<13	<13	2000	<13	<25	17	<13	160	<13	<13	<13	<50	<13	***59***	<13	<13	<13	<13
Lot 3	IMW-48	Primary	10/8/2014	Upper Horizon	UG of BAPB	<36	<36	<36	<36	<36	<36	<36	<36	<36	<36	<36	<36	<36	<36	1300	<36	<71	<36	<36	110	<36	<36	<36	<140	<36	***38***	<36	<36	<36	<36
Lot 3	IMW-49	Primary	4/11/2014	Upper Horizon	UG of BAPB	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	79	<3.6	<3.6	<3.6	<3.6	7.5	<3.6	<3.6	<71	8.9	<7.1	<3.6	<3.6	570	<3.6	11	<3.6	<14	<3.6	<3.6	<3.6	5.1	<3.6	***14***
Lot 3	IMW-50	Primary	4/11/2014	Upper Horizon	UG of BAPB	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<33	<1.7	<3.3	<1.7	<1.7	7.8	<1.7	170	<1.7	<6.7	<1.7	<1.7	<1.7	2.8	9.7	***17***
Lot 3	IMW-50	Primary	10/7/2014	Upper Horizon	UG of BAPB	<1	<1	<1	<1	<1	<1	<1	1.1	<1	<1	<1	<1	<1	<1	<20	<1	<2	<1	<1	8.8	<1	120	<1	<4	<1	<1	<1	2.5	<1	***16***
Lot 3	IMW-57	Primary	4/11/2014	Upper Horizon	UG of BAPB	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	340	<3.6	<3.6	<3.6	<3.6	14	<3.6	<3.6	<71	***210***	<7.1	<3.6	<3.6	460	<3.6	16	<3.6	<14	<3.6	<3.6	<3.6	<3.6	<3.6	***42***
Lot 3	IMW-57	Primary	10/7/2014	Upper Horizon	UG of BAPB	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	360	8.4	<3.1	<3.1	<3.1	16	<3.1	<3.1	<63	***220***	<6.3	<3.1	<3.1	470	<3.1	77	<3.1	<13	<3.1	4.1	3.7	<3.1	<3.1	***75***
Lot 3	IMW-58	Primary	4/4/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	***33***	0.9	3.3	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	6.2	<0.5
Lot 3	IMW-58-D	Duplicate	4/4/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	***35***	1	3.2	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	6.5	<0.5
Lot 3	IMW-58	Primary	10/9/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	24	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	***740***	9.2	***150***	2	<0.5	<2	<0.5	0.7	<0.5	<0.5	120	***2.8***
Lot 3	IMW-59	Primary	4/7/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	160	1.7	<0.5	<0.5	<0.5	2.3	0.7	<0.5	<10	5.5	<1	<0.5	<0.5	84	<0.5	20	<0.5	<2	<0.5	0.5	<0.5	0.7	5.9	***4.8***
Lot 3	IMW-59	Primary	10/7/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	96	0.5	<0.5	<0.5	<0.5	1.3	<0.5	<0.5	<10	3.1	<1	<0.5	<0.5	54	<0.5	16	<0.5	<2	<0.5	<0.5	<0.5	<0.5	0.9	***2.5***
Lot 3	IMW-60	Primary	4/7/2014	Upper Horizon	NA	<1	<1	<1	<1	<1	<1	190	3.1	<1	<1	<1	6.5	<1	<1	<20	<1	<2	<1	1.8	7.7	3.9	1.5	<1	<4	<1	***66***	<1	<1	5.5	<1
Lot 3	IMW-60	Primary	10/7/2014	Upper Horizon	NA	<1	<1	<1	<1	<1	<1	180	12	<1	<1	1.1	7.1	<1	<1	<20	<1	<2	<1	<1.7	13	<1	4.2	<1	<4	<1	***89***	<1	<1	13	1.2
Lot 3	IMW-61	Primary	4/7/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.3	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	0.5	<1	<0.5	<0.5	6.1	<0.5	2.6	<0.5	<2	<0.5	<0.5	<0.5	<0.5	4.6	1
Lot 3	IMW-61	Primary	10/7/2014	Upper Horizon	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.6	1.7	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<10	1	<1	<0.5	<0.5	8.7	<0.5	7.6	<0.5	<2	<0.5	<0.5	<0.5	1	7.3	***2***
Lot 3	IMW-62	Primary	4/7/2014	Upper Horizon	NA	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<100	<5	<10	<5	<5	11	<5	900	<5	<20	<5	5.1	<5	<5	45	***160***
Lot 3	IMW-62	Primary	10/7/2014	Upper Horizon	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<200	<10	<20	<10	<10	14	<10	1400	<10	<40	<10	***76***	<10	12	***240***	***260***
Lot 3	MW-1	Primary	4/10/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-1	Primary	10/15/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	1.3	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-10A	Primary	4/10/2014	Upper Horizon	DG of BAPB	<0.5	3.1	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	4	<1	0.9	<0.5	12	0.5	4.1	<0.5	<2	<0.5	3.9	<0.5	1	14	<0.5
Lot 3	MW-10A	Primary	10/15/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.4	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<10	4	<1	6.8	<0.5	130	<0.5	3.1	<0.5	<2	<0.5	4.9	<0.5	1	20	<0.5
Lot 3	MW-10B	Primary	4/10/2014	Lower Horizon	DG of BAPB	<0.5	2.2	<0.5	<0.5	<0.5	<0.5	<0.5	2.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	5.6	<1	<0.5	<0.5	110	17	1.6	<0.5	<2	<0.5	12	<0.5	<0.5	7.4	<0.5
Lot 3	MW-10B	Primary	10/15/2014	Lower Horizon	DG of BAPB	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	4	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<25	7.8	<2.5	<1.3	<1.3	210	33	1.8	<1.3	<5	<1.3	17	<1.3	<1.3	11	<1.3
Lot 3	MW-11A	Primary	4/10/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-11A	Primary	10/15/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	1	<1	<0.5	<0.5	1.7	<0.5	3.6	<0.5	<2	<0.5	2.5	<0.5	<0.5	10	<0.5
Lot 3	MW-11B	Primary	4/10/2014	Lower Horizon	DG of BAPB	<5	<5	<5	<5	<5	<5	<5	24	<5	<5	<5	<5	<5	<5	<100	8.3	<10	<5	<5	770	25	7.3	<5	<20	<5	94	<5	<5	41	<5
Lot 3	MW-11B	Primary	10/15/2014	Lower Horizon	DG of BAPB	<5	<5	<5	<5	<5	<5	<5	26	<5	<5	<5	<5	<5	<5	<100	7.1	<10	<5	<5	540	28	13	<5	<20	<5	100	<5	<5	51	<5
Lot 3	MW-12	Primary	4/10/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<2	<0.5	0.6	<0.5	<0.5	<0.5	<0.5

Table 3
Sampling Analytical Results
Volatile Organic Compounds
Campus Bay, Richmond, CA
All results in micrograms per liter (µg/L)

Lot/Location	Sample ID	Sample Type	Sample 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	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2-Chlorotoluene	4-Chlorotoluene	Acetone	Benzene	Bromomethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Naphthalene	o-Xylene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride
Lot 3	MW-12-D	Duplicate	4/10/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<2	<0.5	0.6	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-12	Primary	10/14/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	1.2	<0.5	1	<0.5	<2	<0.5	<0.5	<0.5	<0.5	1.1	<0.5
Lot 3	MW-12-D	Duplicate	10/14/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	1.2	<0.5	1.1	<0.5	<2	<0.5	<0.5	<0.5	<0.5	1.1	<0.5
Lot 3	MW-13	Primary	4/14/2014	Upper Horizon	Immediately UG	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	23	<0.5	2.7	<0.5	<2	<0.5	4.1	<0.5	<0.5	2.6	<0.5
Lot 3	MW-13	Primary	10/13/2014	Upper Horizon	Immediately UG	<0.5	<0.5	<0.5	1.1	<0.5	<0.5	<0.5	14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	7.2	<1	<0.5	<0.5	660	0.8	8.3	<0.5	<2	<0.5	***180***	<0.5	<0.5	120	0.5
Lot 3	MW-14	Primary	4/14/2014	Upper Horizon	In BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	0.9	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-14	Primary	10/15/2014	Upper Horizon	In BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	19	<0.5	0.6	<0.5	1.4	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-15	Primary	4/14/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-15	Primary	10/14/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-16A	Primary	4/14/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	1.1	1.1	<0.5	<0.5	1.3	2.1	<0.5	<0.5	<10	4.5	<1	<0.5	<0.5	22	<0.5	1.3	<0.5	<2	<0.5	<0.5	<0.5	0.6	<0.5	<0.5
Lot 3	MW-16A	Primary	10/14/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	3.8	22	<0.5	<0.5	<0.5	1	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	200	0.6	12	<0.5	<2	<0.5	***79***	<0.5	<0.5	100	0.6
Lot 3	MW-16B	Primary	4/14/2014	Lower Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-16B	Primary	10/14/2014	Lower Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-17	Primary	4/14/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	2.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-17	Primary	10/14/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	4.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-18	Primary	4/9/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	***40***	<0.5	<0.5	1.5	<0.5
Lot 3	MW-18	Primary	10/9/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	***39***	<0.5	<0.5	1.4	<0.5
Lot 3	MW-19	Primary	4/8/2014	Upper Horizon	UG of BAPB	<17	<17	<17	<17	<17	<17	<17	<17	<17	<17	<17	<17	<17	<17	<330	<17	<33	<17	<17	<17	<17	1700	<17	<67	<17	***34***	<17	33	42	***1800***
Lot 3	MW-19-D	Duplicate	4/8/2014	Upper Horizon	UG of BAPB	<17	<17	<17	<17	<17	<17	<17	<17	<17	<17	<17	<17	<17	<17	<330	<17	<33	<17	<17	<17	<17	1500	<17	<67	<17	<17	<17	34	17	***1900***
Lot 3	MW-19	Primary	10/9/2014	Upper Horizon	UG of BAPB	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<25	2.2	<2.5	63	<1.3	6.4	<1.3	210	<1.3	<5	<1.3	13	<1.3	14	6.7	***690***
Lot 3	MW-19-D	Duplicate	10/9/2014	Upper Horizon	UG of BAPB	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<100	<5	<10	<5	<5	5.9	<5	200	<5	<20	<5	13	<5	13	5.6	***860***
Lot 3	MW-2	Primary	4/14/2014	Upper Horizon	Immediately UG	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	4.2	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-2	Primary	10/13/2014	Upper Horizon	Immediately UG	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	13	<0.5	<2	<0.5	<0.5	<0.5	0.6	<0.5	<0.5
Lot 3	MW-20	Primary	4/8/2014	Upper Horizon	UG of BAPB	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<200	<10	<20	<10	<10	1300	<10	<10	<10	<40	<10	<10	<10	<10	<10	<10
Lot 3	MW-20	Primary	10/9/2014	Upper Horizon	UG of BAPB	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<200	<10	<20	<10	<10	1500	<10	<10	<10	<40	<10	<10	<10	<10	<10	<10
Lot 3	MW-21	Primary	4/7/2014	Upper Horizon	UG of BAPB	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<2.5	<5	<2.5	<2.5	2.9	2.9	<2.5	<2.5	<10	<2.5	***300***	<2.5	<2.5	12	<2.5
Lot 3	MW-21	Primary	10/7/2014	Upper Horizon	UG of BAPB	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	3.3	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<2.5	<5	<2.5	<2.5	6.7	<2.5	4.7	<2.5	<10	<2.5	***410***	<2.5	<2.5	26	<2.5
Lot 3	MW-22	Primary	4/4/2014	Upper Horizon	UG of BAPB	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	120	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<83	<4.2	<8.3	<4.2	<4.2	140	<4.2	5.7	<4.2	<17	<4.2	5.9	<4.2	<4.2	***590***	***8.3***
Lot 3	MW-22	Primary	10/9/2014	Upper Horizon	UG of BAPB	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	88	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<71	<3.6	<7.1	<3.6	<3.6	140	<3.6	6.8	<3.6	<14	<3.6	5.5	<3.6	<3.6	***510***	***4.8***
Lot 3	MW-23	Primary	4/7/2014	Upper Horizon	UG of BAPB	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	8.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<71	<3.6	<7.1	<3.6	<3.6	350	<3.6	14	<3.6	<14	<3.6	<3.6	<3.6	<3.6	4.1	<3.6
Lot 3	MW-23	Primary	10/7/2014	Upper Horizon	UG of BAPB	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	9.4	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<50	11	<5	<2.5	<2.5	420	<2.5	21	<2.5	<10	<2.5	<2.5	<2.5	<2.5	8.6	<2.5
Lot 3	MW-28	Primary	4/10/2014	Upper Horizon	UG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	2.2	<1	<0.5	<0.5	12	<0.5	6.7	<0.5	<2	<0.5	18	<0.5	1.2	9.2	<0.5
Lot 3	MW-28	Primary	10/15/2014	Upper Horizon	UG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	1.6	<1	<0.5	<0.5	9.6	<0.5	8.3	<0.5	<2	<0.5	11	<0.5	1.7	11	<0.5
Lot 3	MW-29	Primary	4/14/2014	Upper Horizon	Immediately UG	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	11	<0.5	2.9	<0.5	<2	<0.5	1.1	<0.5	0.5	0.6	<0.5
Lot 3	MW-29	Primary	10/13/2014	Upper Horizon	Immediately UG	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<100	***26***	<10	<5	<5	1200	21	8	<5	<50	<5	***660***	<5	<5	90	<5
Lot 3	MW-3	Primary	4/10/2014	Upper Horizon	In BAPB	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<20	<1	<2	97	<1	<1	<1	1.5	<1	<4	<1	<1	<1	<1	<1	1.1
Lot 3	MW-3	Primary	10/15/2014	Upper Horizon	In BAPB	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<20	<1	<2	87	<1	<1	<1	1.8	<1	<4	<1	<1	<1	<1	<1	***1.6***
Lot 3	MW-32A	Primary	4/9/2014	Upper Horizon	UG of BAPB	<7.1	100	<7.1	<7.1	<7.1	<7.1	<7.1	11	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<140	<7.1	<14	<7.1	<7.1	1300	***370***	<7.1	<7.1	<29	<7.1	***160***	<7.1	<7.1	84	<7.1
Lot 3	MW-32A	Primary	10/9/2014	Upper Horizon	UG of BAPB	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	17	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<130	<6.3	<13	<6.3	<6.3	960	***270***	<6.3	<6.3	<25	<6.3	***280***	<6.3	<6.3	120	<6.3
Lot 3	MW-32B	Primary	4/9/2014	Lower Horizon	UG of BAPB	<13	<13	<13	<13	<13	<13	<13	46	<13	<13	<13	<13	<13	<13	<250	<13	<25	<13	<13	2000	<13	<13	<13	<50	<13	170	<13	<13	120	<13
Lot 3	MW-32B	Primary	10/9/2014	Lower Horizon	UG of BAPB	<13	<13	<13	<13	<13	<13	<13	40	<13	<13	<13	<13	<13	<13	<250	<13	<25	<13	<13	1700	<13	<13	<13	<50	<13	130	<13	<13	140	<13
Lot 3	MW-4	Primary	4/10/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	2.8	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-4-D	Duplicate	4/10/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	2.7	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-4	Primary	10/15/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	4.8	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-4-D	Duplicate	10/15/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	4.4	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-5	Primary	4/10/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	5.7	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-5	Primary	10/15/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	2.1	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-6	Primary	4/11/2014	Upper Horizon	Immediately UG	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	1.4	<0.5	13	<0.5	<2	<0.5	<0.5	<0.5	<0.5	1.1	<0.5
Lot 3	MW-6	Primary	10/13/2014	Upper Horizon	Immediately UG	<0.5	<0.5	0.8	0.7	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<10	1.7	<1	<0.5	<0.5	1.3	<0.5	26	<0.5	<2	<0.5	<0.5	<0.5	4.4	7.8	***1.5***
Lot 3	MW-7	Primary	4/10/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	5.4	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	0.6	<0.5	2.4	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-7	Primary	10/15/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	3.8	<0.5	<0.5	<10	<0.5	<1	0.9	<0.5	0.6	<0.5	5	<0.5	<2	<0.5	<0.5	<0.5	0.5	<0.5	<0.5
Lot 3	MW-8	Primary	4/14/2014	Upper Horizon	Immediately UG	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	2.4	<0.5	3.7	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	MW-8	Primary	10/13/2014	Upper Horizon	Immediately UG	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1	<0.5	<0.5	<10	1.3	<1	<0.5	<0.5	4.7	<0.5	12	<0.5	<2	<0.5	2.8	<0.5	0.5	1.1	0.5
Lot 3	MW-9	Primary	4/14/2014	Upper Horizon	In BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	0.8	<0.5	1.6	<0.5	<2	<0.5	<0.5	<0.5	<0.5	1.6	<0.5
Lot 3	MW-9	Primary	10/13/2014	Upper Horizon	In BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	1.2	<0.5	6.7	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	PZ-10	Primary	4/8/2014	Upper Horizon	UG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.7	10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	0.9	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	PZ-10	Primary	10/7/2014	Upper Horizon	UG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.8	4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	PZ-13	Primary	4/8/2014	Upper Horizon	UG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	6.7	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	***22***	<1	<0.5	<0.5	4	<0.5	7.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	0.8	<0.5
Lot 3	PZ-13-D	Duplicate	4/8/2014	Upper Horizon	UG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	6.9	1.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	***23***	<1	<0.5	<0.5	4	<0.5	8.3	<0.5	<2	<0.5	<0.5	<0.5	<0.5	0.8	<0.5

Table 3
Sampling Analytical Results
Volatile Organic Compounds
Campus Bay, Richmond, CA
All results in micrograms per liter (µg/L)

Lot/Location	Sample ID	Sample Type	Sample 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	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2-Chlorotoluene	4-Chlorotoluene	Acetone	Benzene	Bromomethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Naphthalene	o-Xylene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride
Lot 3	PZ-13	Primary	10/7/2014	Upper Horizon	UG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	5.5	1.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	3.9	<0.5	8	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	PZ-13-D	Duplicate	10/7/2014	Upper Horizon	UG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	5.5	1.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	3.8	<0.5	7.9	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	PZ-14	Primary	4/1/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	PZ-14	Primary	10/14/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	PZ-15	Primary	4/1/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	2.3	5.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	0.6	<1	<0.5	<0.5	85	<0.5	21	<0.5	<2	<0.5	<0.5	<0.5	1.7	3.6	<0.5
Lot 3	PZ-15	Primary	10/14/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.4	3.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	0.9	<1	<0.5	<0.5	79	<0.5	19	<0.5	<2	<0.5	<0.5	<0.5	1.7	1.4	0.7
Lot 3	PZ-16	Primary	4/1/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lot 3	PZ-16	Primary	10/14/2014	Upper Horizon	DG of BAPB	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Storm Water	002-103114	Primary	10/31/2014	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Storm Water	002-111314	Primary	11/13/2014	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Storm Water	002-120314	Primary	12/3/2014	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Storm Water	003-103114	Primary	10/31/2014	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Storm Water	003-111314	Primary	11/13/2014	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Storm Water	003-120314	Primary	12/3/2014	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Screening Criteria																																			
On-Site Residential SSG						-	1.30E+02	2.10E+02	1.90E+03	-	1.10E+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	1.30E+02	7.20E+03	2.40E+05	2.10E+02	1.10E+05	3.80E+01	3.50E+04	6.70E+03	1.80E+02	1.20E+00
On-Site Commercial SSG						-	4.00E+02	6.30E+02	8.90E+03	-	5.30E+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	4.00E+02	3.40E+04	1.10E+06	6.40E+02	5.00E+05	1.10E+02	1.60E+05	3.10E+04	2.70E+02	3.60E+00
On-Site Groundskeeper/Maintenance SSG						-	2.10E+02	1.10E+03	6.30E+05	-	1.60E+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	2.50E+03	2.70E+05	4.20E+05	9.00E+01	7.80E+05	2.20E+01	5.70E+05	5.10E+05	8.90E+02	3.00E+02
5x Aquatic Criteria						-	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	2.40E+04	-	1.50E+06	-	-	4.40E+02	1.00E+07	7.00E+06	4.10E+03	2.60E+04
40x Aquatic Criteria						-	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	1.90E+05	-	1.20E+07	-	-	3.50E+03	8.00E+07	5.60E+07	3.20E+04	2.10E+05
160x Aquatic Criteria						-	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	7.50E+05	-	4.60E+07	-	-	1.40E+04	3.20E+08	2.20E+08	1.30E+05	8.40E+05
Drinking Water Criteria						-	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	8.00E+01	6.00E+00	3.00E+02	-	1.80E+03	5.00E+00	1.50E+02	1.00E+01	5.00E+00	5.00E-01
Storm-water Criteria						-	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	4.70E+02	-	2.90E+04	-	1.80E+03	5.00E+00	1.50E+02	1.00E+01	5.00E+00	5.00E-01

Abbreviations:
<0.50 = Concentration not detected at or above indicated laboratory reporting limit.
- = Sample not analyzed or criteria not available
Duplicatee = Duplicatee 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
SSG = site-specific goal
UG = Upgradient
VOC = volatile organic compound
µg/L = micrograms per liter
** = analyte not included in analytical laboratory 8260 VOC compound list

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 font is bolded and the analytical results are designated as follows:

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

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

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 upper or lower horizon groundwater above the drinking water standard (applicable to Lots 1 and 2 only)

indicates a detection in storm-water above the storm-water criteria

Table 4
Sampling Analytical Results
Metals
Campus Bay, Richmond, CA
All results in micrograms per liter (µg/L)

Lot/Location	Sample ID	Sample Type	Sample Date	Sample Horizon	Sample Location Relative to BAPB (Applicable to Lot 3 Wells Only)	Antimony	Arsenic	Barium		Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum		Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
DTSC Harborfront	DTSC-MW-2	Primary	4/4/2014	Upper Horizon	NA	<10	<5	160		<2	<5	<5	<5	<5	<5	<0.2	<5		<5	<10	<5	<10	7	<20
DTSC Harborfront	DTSC-MW-2	Primary	10/8/2014	Upper Horizon	NA	<10	<5	150		<2	<5	<5	<5	<5	<5	<0.2	5.9		<5	<10	<5	<10	7	<20
Lot 1	IMW-1	Primary	4/4/2014	Upper Horizon	NA	-	**40**	-		-	-	-	-	-	-	-	-		-	-	-	-	-	-
Lot 1	IMW-1	Primary	10/6/2014	Upper Horizon	NA	-	**40**	-		-	-	-	-	-	-	-	-		-	-	-	-	-	-
Lot 1	IMW-2	Primary	3/31/2014	Upper Horizon	NA		**66**																	
Lot 1	IMW-2	Primary	10/6/2014	Upper Horizon	NA	-	**43**	-		-	-	-	-	-	-	-	-		-	-	-	-	-	-
Lot 1	IMW-23	Primary	4/11/2014	Upper Horizon	NA	<10	7	22		<2	<5	<5	<5	<5	<5	<0.2	<5		57	<10	<5	<10	<5	42
Lot 1	IMW-23	Primary	10/8/2014	Upper Horizon	NA	<10	<5	18		<2	<5	<5	<5	<5	<5	<0.2	6.5		47	<10	<5	<10	<5	<20
Lot 1	IMW-27	Primary	4/2/2014	Upper Horizon	NA	<10	<5	24	FB	<2	<5	<5	<5	<5	<5	<0.2	<5		15	<10	<5	<10	<5	<20
Lot 1	IMW-27	Primary	10/3/2014	Upper Horizon	NA	<10	<5	29		<2	<5	<5	<5	<5	<5	<0.2	6.7		13	<10	<5	<10	<5	<20
Lot 1	IMW-28	Primary	4/2/2014	Upper Horizon	NA	<10	<5	26	FB	<2	<5	<5	<5	<5	<5	<0.2	8.7	FB	35	<10	<5	<10	<5	<20
Lot 1	IMW-28	Primary	10/3/2014	Upper Horizon	NA	<10	<5	38		<2	<5	<5	<5	<5	<5	<0.2	13		41	<10	<5	<10	<5	<20
Lot 1	IMW-29	Primary	4/2/2014	Lower Horizon	NA	<10	**43**	170	FB	<2	<5	<5	<5	<5	<5	<0.2	<5		<5	<10	<5	<10	<5	<20
Lot 1	IMW-29	Primary	10/3/2014	Lower Horizon	NA	<10	**49**	170		<2	<5	<5	<5	<5	<5	<0.2	6.8		<5	<10	<5	<10	<5	<20
Lot 1	IMW-3	Primary	3/31/2014	Upper Horizon	NA		**48**																	
Lot 1	IMW-3	Primary	10/6/2014	Upper Horizon	NA	-	**28**	-		-	-	-	-	-	-	-	-		-	-	-	-	-	-
Lot 1	IMW-4	Primary	3/31/2014	Upper Horizon	NA		**39**																	
Lot 1	IMW-4	Primary	10/6/2014	Upper Horizon	NA	-	**36**	-		-	-	-	-	-	-	-	-		-	-	-	-	-	-
Lot 1	MW-25R	Primary	4/2/2014	Upper Horizon	NA	<10	<5	17	FB	<2	<5	<5	<5	<5	<5	<0.2	<5		<5	<10	<5	<10	<5	<20
Lot 1	MW-25R	Primary	10/3/2014	Upper Horizon	NA	<10	<5	21		<2	<5	<5	<5	<5	<5	<0.2	6.1		5.2	<10	<5	<10	5	<20
Lot 1	MW-26	Primary	4/11/2014	Upper Horizon	NA	<10	<5	50		<2	<5	<5	<5	<5	<5	<0.2	<5		<5	<10	<5	<10	7.4	<20
Lot 1	MW-26-D	Duplicate	4/11/2014	Upper Horizon	NA	<10	<5	44		<2	<5	<5	<5	<5	<5	<0.2	<5		<5	<10	<5	<10	6.7	<20
Lot 1	MW-26	Primary	10/8/2014	Upper Horizon	NA	<10	<5	46		<2	<5	<5	<5	<5	<5	<0.2	<5		<5	<10	<5	<10	6.9	<20
Lot 1	MW-26-D	Duplicate	10/8/2014	Upper Horizon	NA	<10	<5	44		<2	<5	<5	<5	<5	<5	<0.2	<5		<5	<10	<5	<10	6.8	<20
Lot 1	MW-27	Primary	4/2/2014	Upper Horizon	NA	<10	<5	61	FB	<2	<5	<5	<5	<5	<5	<0.2	<5		14	<10	<5	<10	<5	<20
Lot 1	MW-27	Primary	10/3/2014	Upper Horizon	NA	<10	<5	61		<2	<5	<5	<5	<5	<5	<0.2	5.4		15	<10	<5	<10	<5	<20
Lot 1	MW-30	Primary	3/31/2014	Upper Horizon	NA	<10	**23**	98	FB	<2	<5	<5	<5	<5	<5	<0.2	11	FB	<5	<10	<5	<10	<5	<20
Lot 1	MW-30	Primary	10/6/2014	Upper Horizon	NA	<10	**30**	110		<2	<5	<5	<5	<5	<5	<0.2	15		<5	<10	<5	<10	<5	<20
Lot 1	MW-33	Primary	4/4/2014	Upper Horizon	NA	<10	<5	70		<2	<5	<5	<5	<5	<5	<0.2	<5		<5	<10	<5	<10	8.1	<20
Lot 1	MW-33-D	Duplicate	4/4/2014	Upper Horizon	NA	<10	<5	68		<2	<5	<5	<5	<5	<5	<0.2	<5		<5	<10	<5	<10	7.9	<20
Lot 1	MW-33	Primary	10/8/2014	Upper Horizon	NA	<10	<5	62		<2	<5	<5	<5	<5	<5	<0.2	5		<5	<10	<5	<10	7	<20
Lot 1	MW-33-D	Duplicate	10/8/2014	Upper Horizon	NA	<10	<5	61		<2	<5	<5	<5	<5	<5	<0.2	5		<5	<10	<5	<10	6.9	<20
Lot 1	PZ-11	Primary	4/4/2014	Upper Horizon	NA	<10	6.5	21		<2	<5	5.7	6.5	<5	<5	<0.2	7.9		**120**	<10	<5	<10	<5	88
Lot 1	PZ-11-D	Duplicate	4/4/2014	Upper Horizon	NA	<10	<5	23		<2	<5	6.3	6.5	<5	<5	<0.2	8.3		**130**	<10	<5	<10	<5	240
Lot 1	PZ-11	Primary	10/8/2014	Upper Horizon	NA	<10	<5	15		<2	<5	5.3	<5	<5	<5	<0.2	11		**180**	15	<5	<10	<5	590
Lot 1	PZ-11-D	Duplicate	10/8/2014	Upper Horizon	NA	<10	<5	15		<2	<5	5.3	<5	<5	<5	<0.2	11		**180**	15	<5	<10	<5	580
Lot 1	PZ-12	Primary	4/4/2014	Upper Horizon	NA	<10	<5	180		<2	<5	<5	<5	<5	<5	<0.2	<5		<5	<10	<5	<10	<5	<20
Lot 1	PZ-12	Primary	10/8/2014	Upper Horizon	NA	<10	**22**	540		<2	<5	<5	<5	<5	<5	<0.2	7.9		<5	<10	<5	<10	<5	<20
Lot 2	IMW-22	Primary	4/3/2014	Upper Horizon	NA	-	9.6	-		-	-	-	-	-	-	-	-		-	-	-	-	-	-
Lot 2	IMW-22	Primary	10/13/2014	Upper Horizon	NA	-	<5	-		-	-	-	-	-	-	-	-		-	-	-	-	-	-
Lot 2	IMW-5	Primary	4/1/2014	Upper Horizon	NA	-	**22**	-		-	-	-	-	-	-	-	-		-	-	-	-	-	-
Lot 2	IMW-5	Primary	10/6/2014	Upper Horizon	NA	-	**18**	-		-	-	-	-	-	-	-	-		-	-	-	-	-	-
Lot 2	IMW-6	Primary	4/3/2014	Upper Horizon	NA	-	**11**	-		-	-	-	-	-	-	-	-		-	-	-	-	-	-
Lot 2	IMW-6	Primary	10/13/2014	Upper Horizon	NA	-	**16**	-		-	-	-	-	-	-	-	-		-	-	-	-	-	-
Lot 2	IMW-7	Primary	4/3/2014	Upper Horizon	NA	-	**18**	-		-	-	-	-	-	-	-	-		-	-	-	-	-	-
Lot 2	IMW-7-D	Duplicate	4/3/2014	Upper Horizon	NA	-	**18**	-		-	-	-	-	-	-	-	-		-	-	-	-	-	-
Lot 2	IMW-7	Primary	10/13/2014	Upper Horizon	NA	-	5.1	-		-	-	-	-	-	-	-	-		-	-	-	-	-	-
Lot 2	IMW-7-D	Duplicate	10/13/2014	Upper Horizon	NA	-	6.2	-		-	-	-	-	-	-	-	-		-	-	-	-	-	-
Lot 2	IMW-8	Primary	4/3/2014	Upper Horizon	NA	-	**58**	-		-	-	-	-	-	-	-	-		-	-	-	-	-	-
Lot 2	IMW-8	Primary	10/6/2014	Upper Horizon	NA	-	**57**	-		-	-	-	-	-	-	-	-		-	-	-	-	-	-
Lot 2	MW-24	Primary	4/3/2014	Upper Horizon	NA	<10	7	86		<2	<5	12	<5	29	<5		56		6.6	15	<5	<10	39	<20
Lot 2	MW-24	Primary	10/14/2014	Upper Horizon	NA	<10	**12**	51		<2	<5	9.2	<5	56	<5	<0.2	66		11	16	<5	<10	120	<20

Table 4
Sampling Analytical Results
Metals
Campus Bay, Richmond, CA
All results in micrograms per liter (µg/L)

Lot/Location	Sample ID	Sample Type	Sample Date	Sample Horizon	Sample Location Relative to BAPB (Applicable to Lot 3 Wells Only)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Lot 2	MW-31	Primary	4/7/2014	Upper Horizon	NA	<10	<5	120	<2	<5	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<10	7.1	<20
Lot 2	MW-31	Primary	10/3/2014	Upper Horizon	NA	<10	<5	120	<2	<5	<5	<5	<5	<5	<0.2	5.8	<5	<10	<5	<10	7.2	<20
Lot 3	IMW-42	Primary	4/8/2014	Upper Horizon	UG of BAPB	20	6.4	15	<2	<5	35	320	<5	20	<0.2	<5	**1500**	**210**	24	<10	<5	770
Lot 3	IMW-42	Primary	10/9/2014	Upper Horizon	UG of BAPB	180	10	14	<2	20	9.9	73	<5	34	<0.2	<5	**380**	130	7.7	<10	24	<20
Lot 3	IMW-43	Primary	10/9/2014	Upper Horizon	UG of BAPB	69	<5	57	<2	<5	<5	<5	<5	<5	<0.2	<5	7.2	<10	<5	<10	22	<20
Lot 3	IMW-45	Primary	4/8/2014	Upper Horizon	UG of BAPB	<10	<5	19	<2	<5	22	<5	<5	<5	<0.2	<5	<5	81	15	<10	<5	<20
Lot 3	IMW-45	Primary	10/8/2014	Upper Horizon	UG of BAPB	<10	<5	20	<2	<5	10	<5	<5	<5	<0.2	<5	<5	52	<5	<10	<5	<20
Lot 3	IMW-48	Primary	4/8/2014	Upper Horizon	UG of BAPB	<10	9.1	13	14	70	32	2300	**41000**	47	<0.2	<5	**2900**	120	19	<10	23	**34000**
Lot 3	IMW-48	Primary	10/8/2014	Upper Horizon	UG of BAPB	43	<5	14	9	59	20	1900	**21000**	24	<0.2	<5	**2200**	110	6	<10	26	**22000**
Lot 3	IMW-50	Primary	4/11/2014	Upper Horizon	UG of BAPB	<10	21	240	<2	<5	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<10	<5	<20
Lot 3	IMW-50	Primary	10/7/2014	Upper Horizon	UG of BAPB	<10	24	300	<2	<5	<5	<5	<5	<5	<0.2	7.6	<5	12	<5	<10	<5	<20
Lot 3	IMW-57	Primary	4/11/2014	Upper Horizon	UG of BAPB	<10	9.7	89	<2	<5	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<10	<5	<20
Lot 3	IMW-57	Primary	10/7/2014	Upper Horizon	UG of BAPB	<10	8.1	92	<2	<5	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<10	<5	<20
Lot 3	MW-1	Primary	4/10/2014	Upper Horizon	DG of BAPB	<10	74	31	<2	<5	<5	<5	**24**	<5	<0.2	17	9	<10	<5	<10	9.2	90
Lot 3	MW-1	Primary	10/15/2014	Upper Horizon	DG of BAPB	<10	**270**	74	<2	<5	<5	<5	<5	<5	<0.2	15	7.1	<10	<5	<10	8.2	43
Lot 3	MW-10A	Primary	4/10/2014	Upper Horizon	DG of BAPB	17	**180**	23	<2	<5	<5	<5	<5	<5	<0.2	<5	9.1	<10	<5	<10	9	55
Lot 3	MW-10A	Primary	10/15/2014	Upper Horizon	DG of BAPB	<10	**130**	27	<2	<5	7.4	54	<5	<5	<0.2	7.5	**110**	**31**	<5	<10	<5	47
Lot 3	MW-10B	Primary	4/10/2014	Lower Horizon	DG of BAPB	<10	11	22	<2	29	7.8	210	**910**	<5	<0.2	<5	540	31	6	<10	<5	5100
Lot 3	MW-10B	Primary	10/15/2014	Lower Horizon	DG of BAPB	<10	17	24	<2	45	11	260	210	<5	<0.2	5.2	570	41	6.8	<10	<5	5000
Lot 3	MW-11A	Primary	4/10/2014	Upper Horizon	DG of BAPB	<10	6.2	42	<2	<5	<5	<5	**160**	<5	<0.2	16	<5	<10	<5	<10	<5	350
Lot 3	MW-11A	Primary	10/15/2014	Upper Horizon	DG of BAPB	25	58	52	<2	<5	<5	<5	**18**	<5	<0.2	8	9.7	<10	<5	<10	6	**740**
Lot 3	MW-11B	Primary	4/10/2014	Lower Horizon	DG of BAPB	<10	9.6	15	2.8	18	5.9	180	**890**	<5	<0.2	<5	500	27	<5	<10	<5	6400
Lot 3	MW-11B	Primary	10/15/2014	Lower Horizon	DG of BAPB	<10	<5	9.7	3.9	9.5	5.8	200	**810**	<5	<0.2	<5	610	21	<5	<10	<5	8200
Lot 3	MW-12	Primary	4/10/2014	Upper Horizon	DG of BAPB	<10	11	34	<2	<5	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<10	<5	230
Lot 3	MW-12-D	Duplicate	4/10/2014	Upper Horizon	DG of BAPB	<10	11	35	<2	<5	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<10	<5	240
Lot 3	MW-12	Primary	10/14/2014	Upper Horizon	DG of BAPB	23	56	23	<2	<5	<5	<5	<5	<5	<0.2	<5	5.6	<10	<5	<10	5.5	47
Lot 3	MW-12-D	Duplicate	10/14/2014	Upper Horizon	DG of BAPB	23	54	20	<2	<5	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<10	5.3	47
Lot 3	MW-13	Primary	4/14/2014	Upper Horizon	Immediately UG	<10	<5	29	<2	<5	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<10	<5	<20
Lot 3	MW-13	Primary	10/13/2014	Upper Horizon	Immediately UG	13	13	38	2.5	<5	<5	140	<5	<5	<0.2	<5	**280**	<10	<5	<10	5.5	**6600**
Lot 3	MW-14	Primary	4/14/2014	Upper Horizon	In BAPB	<10	28	21	<2	<5	<5	<5	<5	<5	<0.2	16	<5	<10	<5	<10	<5	<20
Lot 3	MW-14	Primary	10/15/2014	Upper Horizon	In BAPB	<10	23	160	<2	<5	<5	<5	<5	<5	<0.2	9.7	<5	<10	<5	<10	<5	<20
Lot 3	MW-15	Primary	4/14/2014	Upper Horizon	DG of BAPB	<10	20	21	<2	11	<5	<5	**150**	<5	<0.2	12	15	<10	<5	<10	<5	**550**
Lot 3	MW-15	Primary	10/14/2014	Upper Horizon	DG of BAPB	<10	15	43	<2	<5	<5	<5	<5	<5	<0.2	15	<5	<10	<5	<10	<5	<20
Lot 3	MW-16A	Primary	4/14/2014	Upper Horizon	DG of BAPB	<10	**320**	24	<2	<5	<5	<5	<5	<5	<0.2	18	<5	<10	<5	<10	<5	<20
Lot 3	MW-16A	Primary	10/14/2014	Upper Horizon	DG of BAPB	<10	**240**	20	<2	<5	<5	10	<5	<5	<0.2	10	**56**	<10	<5	<10	<5	<20
Lot 3	MW-16B	Primary	4/14/2014	Lower Horizon	DG of BAPB	<10	15	280	<2	<5	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<10	<5	<20
Lot 3	MW-16B	Primary	10/14/2014	Lower Horizon	DG of BAPB	<10	9	330	<2	<5	<5	<5	<5	<5	<0.2	6.6	<5	<10	<5	<10	<5	<20
Lot 3	MW-17	Primary	4/14/2014	Upper Horizon	DG of BAPB	<10	**320**	110	<2	<5	<5	<5	<5	<5	<0.2	7.2	5.9	<10	<5	<10	<5	<20
Lot 3	MW-17	Primary	10/14/2014	Upper Horizon	DG of BAPB	<10	**240**	90	<2	<5	<5	<5	<5	<5	<0.2	9.7	5.4	23	<5	<10	<5	<20
Lot 3	MW-18	Primary	4/9/2014	Upper Horizon	UG of BAPB	<10	23	15	FB 3.4	77	8.2	200	**1400**	<5	<0.2	<5	**1700**	23	5.8	<10	<5	**7200**
Lot 3	MW-18	Primary	10/9/2014	Upper Horizon	UG of BAPB	<10	14	15	<2	73	8.7	150	**730**	<5	<0.2	5.5	**1600**	30	<5	<10	<5	**5400**
Lot 3	MW-19	Primary	4/8/2014	Upper Horizon	UG of BAPB	<10	13	40	<2	<5	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<10	<5	<20
Lot 3	MW-19-D	Duplicate	4/8/2014	Upper Horizon	UG of BAPB	<10	13	42	<2	<5	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<10	<5	<20
Lot 3	MW-19	Primary	10/9/2014	Upper Horizon	UG of BAPB	<10	14	44	<2	<5	<5	<5	<5	<5	<0.2	5.4	<5	16	<5	<10	<5	<20
Lot 3	MW-19-D	Duplicate	10/9/2014	Upper Horizon	UG of BAPB	<10	13	43	<2	<5	<5	<5	<5	<5	<0.2	5.4	<5	12	<5	<10	<5	<20
Lot 3	MW-2	Primary	4/14/2014	Upper Horizon	Immediately UG	<10	**440**	33	<2	<5	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<10	5.2	<20
Lot 3	MW-2	Primary	10/13/2014	Upper Horizon	Immediately UG	16	**340**	33	<2	<5	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<10	<5	<20
Lot 3	MW-20	Primary	4/8/2014	Upper Horizon	UG of BAPB	<10	15	12	17	<5	27	360	<5	<5	<0.2	<5	**550**	54	6.1	<10	71	2000
Lot 3	MW-20	Primary	10/9/2014	Upper Horizon	UG of BAPB	<10	15	13	12	<5	22	<5	<5	<5	<0.2	<5	16	30	<5	<10	73	66
Lot 3	MW-21	Primary	4/7/2014	Upper Horizon	UG of BAPB	<10	10	22	<2	<5	<5	<5	<5	<5	<0.2	7.4	62	12	<5	<10	<5	460
Lot 3	MW-21	Primary	10/7/2014	Upper Horizon	UG of BAPB	<10	7.5	16	<2	<5	<5	<5	<5	<5	<0.2	7.5	44	11	<5	<10	<5	220

Table 4
Sampling Analytical Results
Metals
Campus Bay, Richmond, CA
All results in micrograms per liter (µg/L)

Lot/Location	Sample ID	Sample Type	Sample Date	Sample Horizon	Sample Location Relative to BAPB (Applicable to Lot 3 Wells Only)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Lot 3	MW-21	Primary	10/7/2014	Upper Horizon	UG of BAPB	<10	7.5	16	<2	<5	<5	<5	<5	<5	<0.2	7.5	44	11	<5	<10	<5	220
Lot 3	MW-22	Primary	4/4/2014	Upper Horizon	UG of BAPB	<10	9.4	20	<2	<5	<5	<5	<5	<5	<0.2	10	22	<10	<5	<10	6	<20
Lot 3	MW-22	Primary	4/4/2014	Upper Horizon	UG of BAPB	<10	7.5	20	<2	<5	<5	<5	<5	<5	<0.2	13	17	<10	<5	<10	6.2	<20
Lot 3	MW-22	Primary	10/9/2014	Upper Horizon	UG of BAPB	<10	7.5	20	<2	<5	<5	<5	<5	<5	<0.2	13	17	<10	<5	<10	6.2	<20
Lot 3	MW-23	Primary	4/7/2014	Upper Horizon	UG of BAPB	<10	70	15	<2	<5	<5	48	<5	<5	<0.2	<5	60	<10	<5	<10	<5	2200
Lot 3	MW-23	Primary	10/7/2014	Upper Horizon	UG of BAPB	<10	67	22	<2	<5	<5	71	<5	<5	<0.2	<5	100	<10	<5	<10	<5	**4000**
Lot 3	MW-28	Primary	4/7/2014	Upper Horizon	DG of BAPB	19	**140**	17	<2	<5	<5	9.1	<5	<5	<0.2	<5	23	<10	<5	<10	12	**900**
Lot 3	MW-28	Primary	10/15/2014	Upper Horizon	DG of BAPB	40	**140**	17	<2	<5	<5	21	<5	<5	<0.2	<5	**43**	<10	<5	<10	8.3	**1400**
Lot 3	MW-29	Primary	4/14/2014	Upper Horizon	Immediately UG	<10	33	22	<2	<5	<5	<5	<5	<5	<0.2	13	<5	<10	<5	<10	<5	<20
Lot 3	MW-29	Primary	10/13/2014	Upper Horizon	Immediately UG	34	29	33	<2	<5	<5	26	<5	<5	<0.2	<5	31	<10	<5	<10	9.6	**2700**
Lot 3	MW-3	Primary	4/10/2014	Upper Horizon	In BAPB	<10	7.4	190	<2	<5	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<10	<5	<20
Lot 3	MW-3	Primary	10/15/2014	Upper Horizon	In BAPB	<10	8	240	<2	<5	<5	<5	<5	<5	<0.2	5.3	<5	<10	<5	<10	<5	<20
Lot 3	MW-32A	Primary	4/9/2014	Upper Horizon	UG of BAPB	<10	25	24 FB	<2	12	12	140	23	<5	<0.2	9.5 FB	**1100**	97	9.7	<10	<5	**3800**
Lot 3	MW-32A	Primary	10/9/2014	Upper Horizon	UG of BAPB	<10	15	17	<2	28	11	130	17	<5	<0.2	7.9	**1300**	56	6.8	<10	<5	**4300**
Lot 3	MW-32B	Primary	4/9/2014	Lower Horizon	UG of BAPB	<10	8.9	14 FB	<2	130	15	670	**3700**	<5	<0.2	<5	**2100** B	60 b	12	<10	<5	**26000**
Lot 3	MW-32B	Primary	4/9/2014	Lower Horizon	UG of BAPB	<10	9.3	14	<2	120	13	600	**3600**	<5	<0.2	<5	**1800**	44	7.6	<10	<5	**27000**
Lot 3	MW-4	Primary	4/10/2014	Upper Horizon	DG of BAPB	<10	**360**	33	<2	<5	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<10	<5	<20
Lot 3	MW-4-D	Duplicate	4/10/2014	Upper Horizon	DG of BAPB	<10	**360**	34	<2	<5	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<10	<5	<20
Lot 3	MW-4	Primary	10/15/2014	Upper Horizon	DG of BAPB	18	**470**	47	<2	<5	<5	<5	<5	<5	<0.2	5.1	<5	<10	<5	<10	<5	<20
Lot 3	MW-4-D	Duplicate	10/15/2014	Upper Horizon	DG of BAPB	16	**400**	42	<2	<5	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<10	<5	<20
Lot 3	MW-5	Primary	4/10/2014	Upper Horizon	DG of BAPB	<10	**170**	28	<2	<5	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<10	<5	<20
Lot 3	MW-5	Primary	10/15/2014	Upper Horizon	DG of BAPB	15	**230**	25	<2	<5	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<10	<5	<20
Lot 3	MW-6	Primary	4/11/2014	Upper Horizon	Immediately UG	<10	**430**	35	<2	<5	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<10	<5	<20
Lot 3	MW-6	Primary	10/13/2014	Upper Horizon	Immediately UG	20	**1400**	24	<2	<5	<5	20	**29**	<5	<0.2	<5	31	<10	<5	<10	5.2	110
Lot 3	MW-7	Primary	4/10/2014	Upper Horizon	DG of BAPB	<10	44	70	<2	<5	<5	5.5	<5	<5	<0.2	<5	6.6	<10	<5	<10	<5	<20
Lot 3	MW-7	Primary	10/15/2014	Upper Horizon	DG of BAPB	<10	64	66	<2	<5	<5	<5	<5	<5	<0.2	6	<5	<10	<5	<10	<5	<20
Lot 3	MW-8	Primary	4/14/2014	Upper Horizon	Immediately UG	<10	83	40	<2	<5	<5	<5	<5	<5	<0.2	<5	<5	<10	<5	<10	<5	150
Lot 3	MW-8	Primary	10/13/2014	Upper Horizon	Immediately UG	33	55	29	<2	5	<5	9.8	<5	<5	<0.2	<5	36	<10	<5	<10	15	**2900**
Lot 3	MW-9	Primary	4/14/2014	Upper Horizon	In BAPB	<10	**580**	38	<2	<5	<5	<5	<5	<5	<0.2	8.9	<5	<10	<5	<10	<5	<20
Lot 3	MW-9	Primary	10/13/2014	Upper Horizon	In BAPB	<10	**480**	160	<2	<5	<5	<5	<5	<5	<0.2	5.2	<5	<10	<5	<10	<5	<20
Lot 3	PZ-10	Primary	4/8/2014	Upper Horizon	UG of BAPB	<10	82	30	<2	<5	<5	<5	<5	<5	<0.2	<5	9.9	74	<5	<10	8.4	640
Lot 3	PZ-10	Primary	10/7/2014	Upper Horizon	UG of BAPB	<10	20	26	<2	<5	<5	<5	<5	<5	<0.2	<5	<5	20	<5	<10	5.5	27
Lot 3	PZ-13	Primary	4/8/2014	Upper Horizon	UG of BAPB	<10	57	110	<2	<5	<5	<5	9.3	<5	<0.2	<5	7	<10	<5	<10	<5	35
Lot 3	PZ-13-D	Duplicate	4/8/2014	Upper Horizon	UG of BAPB	<10	58	110	<2	<5	<5	<5	<5	<5	<0.2	<5	5.8	<10	<5	<10	<5	33
Lot 3	PZ-13	Primary	10/7/2014	Upper Horizon	UG of BAPB	<10	51	95	<2	<5	<5	9.1	<5	<5	<0.2	6.4	19	15	<5	<10	<5	<20
Lot 3	PZ-13-D	Duplicate	10/7/2014	Upper Horizon	UG of BAPB	<10	50	93	<2	<5	<5	8.5	<5	<5	<0.2	5.8	18	14	<5	<10	<5	<20
Lot 3	PZ-14	Primary	4/1/2014	Upper Horizon	DG of BAPB	<10	**550**	160	<2	<5	5.6	<5	<5	<5	<0.2	<5	<5	13	7.8	<10	<5	<20
Lot 3	PZ-14	Primary	10/14/2014	Upper Horizon	DG of BAPB	<10	**640**	200	<2	<5	6.6	<5	<5	<5	<0.2	7.6	<5	17	<5	<10	<5	<20
Lot 3	PZ-15	Primary	4/1/2014	Upper Horizon	DG of BAPB	<10	8.5	48	<2	<5	<5	<5	<5	<5	<0.2	7.3	21	21	<5	<10	<5	<20
Lot 3	PZ-15	Primary	10/14/2014	Upper Horizon	DG of BAPB	<10	7	64	<2	<5	<5	<5	<5	<5	<0.2	10	17	13	<5	<10	<5	<20
Lot 3	PZ-16	Primary	4/1/2014	Upper Horizon	DG of BAPB	<10	<5	22	<2	<5	<5	<5	<5	<5	<0.2	31	<5	<10	<5	<10	6.8	<20
Lot 3	PZ-16	Primary	10/14/2014	Upper Horizon	DG of BAPB	<10	<5	26	<2	<5	<5	<5	<5	<5	<0.2	30	<5	<10	<5	<10	7.7	<20
Storm Water	002-103114*	Primary	10/31/2014	NA	NA	<10.0	<5	11	<2	<5	<5	<5	**8.8**	<5	<0.2	<5	<5	<10	<5	<10	<5	**200**
Storm Water	002-103114	Primary	10/31/2014	NA	NA	<10.0	<5	14	<2	<5	<5	<5	**11**	<5	<0.2	<5	<5	<10	<5	<10	<5	**230**
Storm Water	002-111314*	Primary	11/13/2014	NA	NA	<10.0	<5	25	<2	<5	<5	<5	**8.1**	<5	<0.2	<5	<5	**26**	<5	<10	<5	**95**
Storm Water	002-111314	Primary	11/13/2014	NA	NA	<10.0	<5	30	<2	<5	<5	<5	**9.8**	<5	<0.2	<5	<5	**30**	<5	<10	<5	**100**
Storm Water	002-120314*	Primary	12/3/2014	NA		<10	6.9	19	<2	<5	<5	<5	**14**	<5	<0.2	5.9	<5	**170**	<5	<10	10	<20
Storm Water	002-120314	Primary	12/3/2014	NA	NA	<10	5.5	22	<2	<5	<5	<5	**17**	<5	<0.2	6.4	<5	**170**	<5	<10	11	35
Storm Water	003-103114*	Primary	10/31/2014	NA	NA	<10.0	8.7	44	<2	<5	<5	6.5	<5	<5	**0.48**	6.5	6.2	**35**	<5.0	<10.0	<5.0	<20.0
Storm Water	003-103114	Primary	10/31/2014	NA	NA	<10.0	32	56	<2	<5	<5	6.4	<5	<5	<0.2	7	5.7	**35**	<5.0	<10.0	<5.0	68
Storm Water	003-111314*	Primary	11/13/2014	NA	NA	<10.0	6.2	32	<2	<5	<5	<5	<5	<5	<0.2	5.9	<5	**36**	<5.0	<10.0	<5.0	20

Table 4
Sampling Analytical Results
Metals
Campus Bay, Richmond, CA
All results in micrograms per liter (µg/L)

Lot/Location	Sample ID	Sample Type	Sample Date	Sample Horizon	Sample Location Relative to BAPB (Applicable to Lot 3 Wells Only)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Storm Water	003-111314	Primary	11/13/2014	NA	NA	<10.0	13	48	<2	<5	<5	<5	<5	<5	<0.2	7.1	6.1	**33**	<5.0	<10.0	<5.0	72
Storm Water	003-120314*	Primary	12/3/2014	NA	NA	<10	<5	23	<2	<5	<5	<5	**17**	<5	<0.2	10	<5	**190**	<5	<10	13	<20
Storm Water	003-120314	Primary	12/3/2014	NA	NA	<10	<5	24	<2	<5	<5	<5	**19**	<5	<0.2	11	<5	**190**	<5	<10	14	<20
Screening Criteria																						
On-Site Groundskeeper/Maintenance SSG						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
5x Aquatic Criteria						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						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						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
Drinking water						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
Storm-water						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

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
SSG = site-specific goal
UG = Upgradient
µg/L = micrograms per liter
FB = qualified as estimated due to detection in associated equipment blank sample
B = high RSD between exposures were observed but the result was confirmed by another run
Notes:
Groundwater and storm-water samples analyzed for metals by Curtis & Tompkins, Ltd. of Berkeley, California using EPA Method 6010B.
* indicates the sample was filtered before analysis.
Screening criteria and sources for screening criteria are summarized in Table 7.
If a screening criterion is exceeded, the font is bolded and the analytical results are designated as follows:

Italic font	indicates a detection in upper horizon groundwater above the residential SSG
	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
	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 upper or lower horizon groundwater above the drinking water standard (applicable to Lots 1 and 2 only)
	indicates a detection in storm-water above the storm-water criteria

Table 5
Sampling Analytical Results
Pesticides
Campus Bay, Richmond, CA
All results in micrograms per liter (µg/L)

Lot	Sample ID	Sample Type	Sample Date	Sample Horizon	Sample Location Relative to BAPB	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-Hexachlorocyclohexane	beta-BHC	Butylate	cis-Chlordane	Cycloate	delta-Hexachlorocyclohexane	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	EPTC	gamma-Hexachlorocyclohexane	Heptachlor	Heptachlor epoxide	Methoxychlor	Molinate	Napropamide	Pebulate	S-Ethyl dipropylthiocarbamate	Toxaphene	trans-Chlordane	Vernolate
DTSC Harborfront	DTSC-MW-2	Primary	4/4/2014	Upper Horizon	NA	<0.09	<0.09	<0.09	<0.05	<0.05	<0.05	<5	<0.05	<5	<0.05	<0.09	<0.05	<0.09	<0.09	<0.09	<0.09	<5	<0.05	<0.05	<0.05	<0.5	<5	<5	<5	<5	<0.9	<0.05	<5
DTSC Harborfront	DTSC-MW-2	Primary	10/8/2014	Upper Horizon	NA	<0.09	<0.09	<0.09	<0.05	<0.05	<0.05	<5	<0.05	<5	<0.05	<0.09	<0.05	<0.09	<0.09	<0.09	<0.09	<5	<0.05	<0.05	<0.05	<0.5	<5	<5	<5	<5	<0.9	<0.05	<5
Lot 3	IMW-46	Primary	4/7/2014	Upper Horizon	UG BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	IMW-57	Primary	4/11/2014	Upper Horizon	UG BAPB	-	-	-	-	-	-	<5	-	12	-	-	-	-	-	-	-	980	-	-	-	-	490	130	76	980	-	-	88
Lot 3	MW-1	Primary	4/10/2014	Upper Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-1	Primary	10/15/2014	Upper Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-10A	Primary	4/10/2014	Upper Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-10A	Primary	10/15/2014	Upper Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-10B	Primary	4/10/2014	Lower Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-10B	Primary	10/15/2014	Lower Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-11A	Primary	4/10/2014	Upper Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-11A	Primary	10/15/2014	Upper Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-11B	Primary	4/10/2014	Lower Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	150	-	-	-	-	24	<5	<5	150	-	-	<5
Lot 3	MW-11B	Primary	10/15/2014	Lower Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	190	-	-	-	-	35	<5	<5	190	-	-	<5
Lot 3	MW-12	Primary	4/10/2014	Upper Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-12	Primary	10/14/2014	Upper Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-12-D	Duplicate	4/10/2014	Upper Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-12-D	Duplicate	10/14/2014	Upper Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-13	Primary	4/14/2014	Upper Horizon	Immediately UG	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-13	Primary	10/13/2014	Upper Horizon	Immediately UG	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	7.3	-	-	-	-	<5	<5	<5	7.3	-	-	<5
Lot 3	MW-14	Primary	4/14/2014	Upper Horizon	In BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-14	Primary	10/15/2014	Upper Horizon	In BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-15	Primary	4/14/2014	Upper Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-15	Primary	10/14/2014	Upper Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-16A	Primary	4/14/2014	Upper Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-16A	Primary	10/14/2014	Upper Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	120	-	-	-	-	<5	<5	6.9	120	-	-	<5
Lot 3	MW-16B	Primary	4/14/2014	Lower Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-16B	Primary	10/14/2014	Lower Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-17	Primary	4/14/2014	Upper Horizon	DG of BAPB	<0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<5	<0.05	<5	<0.05	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	30	<0.05	<0.05	<0.05	<0.5	<5	<5	11	30	<1	<0.05	<5
Lot 3	MW-17	Primary	10/14/2014	Upper Horizon	DG of BAPB	<0.09 #	<0.09	<0.09	<0.05	<0.05	<0.05	<5	<0.05	<5	<0.05	<0.09	<0.05	<0.09	<0.09 #	<0.09	<0.09	25	<0.05	<0.05	<0.05	<0.5	<5	<5	10	25	<0.9	<0.05 #	<5
Lot 3	MW-2	Primary	4/14/2014	Upper Horizon	Immediately UG	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-2	Primary	10/13/2014	Upper Horizon	Immediately UG	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-28	Primary	4/10/2014	Upper Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-28	Primary	10/15/2014	Upper Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-29	Primary	4/14/2014	Upper Horizon	Immediately UG	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-29	Primary	10/13/2014	Upper Horizon	Immediately UG	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-3	Primary	4/10/2014	Upper Horizon	In BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-3	Primary	10/15/2014	Upper Horizon	In BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-4	Primary	4/10/2014	Upper Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-4	Primary	10/15/2014	Upper Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-4-D	Duplicate	4/10/2014	Upper Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-4-D	Duplicate	10/15/2014	Upper Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-5	Primary	4/10/2014	Upper Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-5	Primary	10/15/2014	Upper Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-6	Primary	4/11/2014	Upper Horizon	Immediately UG	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-6	Primary	10/13/2014	Upper Horizon	Immediately UG	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-7	Primary	4/10/2014	Upper Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	-	-	-	<5
Lot 3	MW-7	Primary	4/10/2014	Upper Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-7	Primary	10/15/2014	Upper Horizon	DG of BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-8	Primary	4/14/2014	Upper Horizon	Immediately UG	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-8	Primary	10/13/2014	Upper Horizon	Immediately UG	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-9	Primary	4/14/2014	Upper Horizon	In BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	MW-9	Primary	10/13/2014	Upper Horizon	In BAPB	-	-	-	-	-	-	<5	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	<5	<5	<5	<5	-	-	<5
Lot 3	PZ-10	Primary	4/8/2014	Upper Horizon	UG of BAPB	-	-	-	-	-	-	<5	-	10	-	-	-	-	-	-	-	810	-	-	-	-	110	<5	120	810	-	-	22
Lot 3	PZ-13	Primary	4/8/2014	Upper Horizon	UG of BAPB	<0.09	<0.09	<0.09	<0.05	<0.05	<0.05	<5	<0.05	<5	<0.05	<0.09	<0.05	<0.09	<0.09 #	<0.09	<0.09	750	<0.05	<0.05	<0.05	<0.5	71	11	92	750	<0.9	<0.05	12
Lot 3	PZ-13	Primary	10/7/2014	Upper Horizon	UG of BAPB	<0.1	<0.1	<0.1	<0.06	<0.06	0.1 C	<5	<0.06	<5	<0.06	<0.1	<0.06	<0.1	<0.1	<0.1	<0.1	420	0.06	<0.06	<0.06	<0.6	73	9.4	63	420	<1.1	<0.06	7.2
Lot 3	PZ-13-D	Duplicate	4/8/2014	Upper Horizon	UG of BAPB	<0.09	<0.09	<0.09	<0.05	<0.05	<0.05	<5	<0.05	<5	<0.05	<0.09	<0.05	<0.09	<0.09 #	<0.09	<0.09	810	<0.05	<0.05	<0.05	<0.5	79	11	97	810	<0.9	<0.05	12
Lot 3	PZ-13-D	Duplicate	10/7/2014	Upper Horizon	UG of BAPB	<0.1	<0.1	<0.1	<0.06	<0.06	0.2 C	<5	<0.06	<5	<0.06	<0.1	<0.06	<0.1	<0.1	<0.1	<0.1	440	0.07 C	<0.06	<0.06	<0.6	78	10	66	440	<1.1	<0.06	7.6
Lot 3	PZ-14	Primary	4/1/2014	Upper Horizon	DG of BAPB	<0.09	<0.09	<0.09	<0.05	<0.05	<0.05	<5	<0.05	<5	<0.05	<0.09	<0.05	<0.09	<0.09	<0.09	<0.09	54	<0.05	<0.05	<0.05	<0.5	<5	21	**170**	54	<0.9	<0.05	<5
Lot 3	PZ-14	Primary	10/14/2014	Upper Horizon	DG of BAPB	<0.1 #	<0.1	<0.1	<0.05	<0.05	<0.05	<5	<0.05	<5	<0.05	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	49	<0.05	<0.05	<0.05	<0.5	<5	18	**160**	49	<1	<0.05	<5
Lot 3	PZ-15	Primary	4/1/2014	Upper Horizon	DG of BAPB	<0.09	<0.09	<0.09	<0.05	<0.05	<0.05	<5	<0.05	18	<0.05	<0.09	<0.05	<0.09	<0.09	<0.09	<0.09	180	<0.05	<0.05	<0.05	<0.5	<5	<5	<5	110	180	<0.9	<0.05	46
Lot 3	PZ-15	Primary	10/14/2014	Upper Horizon	DG of BAPB	<0.1 #	<0.1	<0.1	<0.05	<0.05	<0.05	<5	<0.05	17	<0.05	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	130	<0.05	<0.05	<0.05	<0.5	<5	<5	<5	100	130	<1	<0.05 #	41
Lot 3	PZ-16	Primary	4/1/2014	Upper Horizon	DG of BAPB	<0.09	<0.09	<0.09	<0.05	<0.05	<0.05	<5	<0.05	<5	<0.05	<0.09	<0.05	<0.09	<0.09	<0.09	<0.09	<5	<0.05	<0.05	<0.05	<0.5	<5	<5	<5	<5	<0.9	<0.05	<5
Lot 3	PZ-16	Primary	10/14/2014	Upper Horizon	DG of BAPB	<0.09 #	<0.09	<0.09	<0.05	<0.05	<0.05	<5	<0.05	<5	<0.05	<0.09	<0.05	<0.09	<0.09	<0.09	<0.09	<5	<0.05	<0.05	<0.05	<0.5	<5	<5	<5	<5	<0.9	<0.05	<5
Storm Water 002	002-103114	Primary	10/31/2014	NA	NA	<0.09	<0.09	<0.09	<0.05	<0.05	<0.05	<5.0	-	<5.0	<0.05	<0.09	<0.05	0.1 C	<0.09	<0.09	<0.09	<5	<0.05	<0.05	<0.05	<0.5	<5.0	<5.0	<5.0	-	<0.9	-	<5.0
Storm Water 002	002-111314	Primary	11/13/2014	NA	NA	<0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<5.0	-	<5.0	<0.05	<0.1	<0.05	0.4 C	<0.1	<0.1	<0.1	<5	<0.05	<0.05	<0.05	<0.5	<5.0	<5.0	<5.0	-	<1	-	<5.0
Storm Water 002	002-120314	Primary	12/3/2014	NA	NA	<0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<5.0	-	<5.0	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.05	<0.05	<0.05	<0.5	<5.0	<5.0	<5.0	-	<1	-	<5.0
Storm Water 003	003-103114	Primary	10/31/2014	NA	NA	<0.09	<0.09	<0.09	<0.05	<0.05	0.09 C	<5.0	-	<5.0	<0.05	<0.09	<0.09	<0.09	0.1	<0.09	<0.09	<5.0	<0.05	<0.05	0.6 C	<0.5	<5.0	<5.0	<5.0	-	<0.9	-	
Storm Water 003	003-111314	Primary	11/13/2014	NA	NA	<0.1	<0.1	<0.1 #	<0.05	<0.05	<1	<5.0	-	<5.0	<0.05	<0.1	<0.1	0.4	<0.1	<0.1	<0.1	<5.0	<0.05	<0.05	<0.05	<0.5	<5.0	<5.0	<5.0	-	<1	-	
Storm Water 003	003-120314	Primary	12/3/2014	NA	NA	<0.09	<0.09	<0.09	<0.05	<0.05	<0.05	<5.0	-	<5.0	<0.05	<0.09	<0.05	<0.09	<0.09	<0.09	<0.09	<5.0	<0.05	<0.05	<0.05	<0.5	<5.0	<5.0	<5.0	-	<0.9	-	<5.0

Table 5
Sampling Analytical Results
Pesticides
Campus Bay, Richmond, CA
All results in micrograms per liter (µg/L)

Lot	Sample ID	Sample Type	Sample Date	Sample Horizon	Sample Location Relative to BAPB	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-Hexachlorocyclohexane	beta-BHC	Butylate	cis-Chlordane	Cycloate	delta-Hexachlorocyclohexane	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	EPTC	gamma-Hexachlorocyclohexane	Heptachlor	Heptachlor epoxide	Methoxychlor	Molinate	Napropamide	Pebulate	S-Ethyl dipropylthiocarbamate	Toxaphene	trans-Chlordane	Vernolate
Screening Criteria																																
On-Site residential SSG						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.30E+05	-	-	-	-	-	-	-	-	-	-
On-Site Commercial/Industrial SSG						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50E+06	-	-	-	-	-	-	-	-	-	-
On-Site Groundskeeper/Maintenance SSG						-	-	1.80E+00	-	-	-	2.40E+06	-	9.80E+04	-	-	-	-	-	-	-	1.20E+06	-	-	-	-	9.80E+04	4.90E+06	2.40E+06	-	-	-	4.90E+04
5x Aquatic Criteria						-	-	1.00E+02	-	-	-	2.80E+02	-	2.40E+02	-	-	-	-	-	-	-	2.20E+02	-	-	-	-	1.80E+02	2.40E+02	1.20E+02	-	-	-	-
40x Aquatic Criteria						-	-	4.00E+02	-	-	-	2.20E+03	-	1.90E+03	-	-	-	-	-	-	-	1.70E+03	-	-	-	-	1.40E+03	1.90E+03	9.20E+02	-	-	-	-
160x Aquatic Criteria						-	-	1.60E+01	-	-	-	8.80E+03	-	7.50E+03	-	-	-	-	-	-	-	6.90E+03	-	-	-	-	5.60E+03	7.50E+03	3.70E+03	-	-	-	-
Drinking water																																
Storm-water Criteria						-	-	1.00E-03	-	-	-	5.50E+01	-	4.70E+01	-	-	-	-	-	-	-	4.30E+01	-	-	-	-	3.50E+01	4.70E+01	2.30E+01	-	-	-	-

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
SSG = site-specific goal
UG = Upgradient
mg/L = micrograms per liter

Notes:
Groundwater and storm-water samples analyzed for proprietary pesticides by Curtis & Tompkins, Ltd. of Berkeley, California using EPA Method 8270SIM and organochlorine pesticides by EPA Method 8081. Only pesticides with at least one detection above the laboratory reporting limit are shown in this table.
C = Presence confirmed, but relative percent difference between columns exceeds 40%
# = Continuing calibration verification (CCV) outside limits; average CCV drift within limits per method requirements
Screening criteria and sources for screening criteria are summarized in Table 7.
If a screening criterion is exceeded, the font is bolded and the analytical results are designated as follows:
Italic font indicates a detection in upper horizon groundwater above the residential SSG

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

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 upper or lower horizon groundwater above the drinking water standard (applicable to Lots 1 and 2 only)

indicates a detection in storm-water above the storm-water criteria

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

Lot/Location	Sample ID	Sample Type	Sample Date	Sample Location Relative to BAPB (Applicable to Lot 3 Wells Only)	Alkalinity, Bicarbonate (mg/l)	Alkalinity, Carbonate (mg/l)	Alkalinity, Hydroxide (mg/l)	Alkalinity, Total as CaCO3 (mg/l)	Chloride (mg/l)	Dissolved Sulfide (mg/l)	Ferrous Iron, Fe+2 (mg/l)	Oxidation Reduction Potential (mv)	pH (SU)	Sulfate (mg/l)	Total Dissolved Solids (mg/l)	Specific Conductance (µS/cm)
DTSC Harborfront	DTSC-MW-1	Primary	4/4/2014	NA	-	-	-	-	-	-	-	95.0	7.05	-	-	1430
DTSC Harborfront	DTSC-MW-1	Primary	10/8/2014	NA	-	-	-	-	-	-	-	68	6.55	-	-	1420
DTSC Harborfront	DTSC-MW-2	Primary	4/4/2014	NA	-	-	-	-	-	<0.04	<0.1	91.0	7.08	-	-	1160
DTSC Harborfront	DTSC-MW-2	Primary	10/8/2014	NA	-	-	-	-	-	<0.04	<0.1	69	6.39	-	-	1230
DTSC Harborfront	DTSC-MW-4	Primary	4/4/2014	NA	-	-	-	-	-	-	-	169.0	6.88	-	-	983
DTSC Harborfront	DTSC-MW-4	Primary	10/8/2014	NA	-	-	-	-	-	-	-	20	6.90			1080
Lot 1	IMW-1	Primary	4/4/2014	NA	-	-	-	-	-	-	-	-95.0	6.56	-	-	1110
Lot 1	IMW-1	Primary	10/6/2014	NA	-	-	-	-	-	-	-	-100	6.98	-	-	1080
Lot 1	IMW-15	Primary	4/3/2014	NA	-	-	-	-	-	-	-	-86.0	6.69	-	-	2110
Lot 1	IMW-15	Primary	4/3/2014	NA	-	-	-	-	-	-	-	-86	6.69	540 FB	-	2110
Lot 1	IMW-15	Primary	10/6/2014	NA	-	-	-	-	-	-	-	-88	6.92	-	-	2070
Lot 1	IMW-16	Primary	4/3/2014	NA	-	-	-	-	-	-	-	-22	6.49	1100 FB	-	2650
Lot 1	IMW-16D	Duplicate	4/3/2014	NA	-	-	-	-	-	-	-	-	-	1100 FB	-	938
Lot 1	IMW-16	Primary	10/6/2014	NA	-	-	-	-	-	-	-	-32	6.32	-	-	2760
Lot 1	IMW-17	Primary	4/2/2014	NA	-	-	-	-	-	-	-	-32	7.15	500 FB	-	1650
Lot 1	IMW-17	Primary	10/6/2014	NA	-	-	-	-	-	-	-	-31	6.74	-	-	1970
Lot 1	IMW-2	Primary	3/31/2014	NA	-	-	-	-	-	-	-	-82.0	6.47	-	-	1750
Lot 1	IMW-2	Primary	10/6/2014	NA	-	-	-	-	-	-	-	-71	6.50	-	-	1650
Lot 1	IMW-23	Primary	4/11/2014	NA	-	-	-	-	-	-	-	195.0	5.90	-	-	2620
Lot 1	IMW-23	Primary	10/8/2014	NA	-	-	-	-	-	-	-	132	5.95	-	-	2320
Lot 1	IMW-25	Primary	4/2/2014	NA	-	-	-	-	-	-	-	98	6.82	620 FB	-	2000
Lot 1	IMW-25	Primary	10/3/2014	NA	-	-	-	-	-	-	-	92	6.44	-	-	1540
Lot 1	IMW-26	Primary	4/2/2014	NA	-	-	-	-	-	-	-	-32	6.95	590 FB	-	1900
Lot 1	IMW-26	Primary	10/3/2014	NA	-	-	-	-	-	-	-	-111	6.65	-	-	2100.00
Lot 1	IMW-27	Primary	4/2/2014	NA	-	-	-	-	-	-	-	37	6.71	540 FB	-	1290
Lot 1	IMW-27	Primary	10/3/2014	NA	-	-	-	-	-	-	-	10	6.79	-	-	1650
Lot 1	IMW-28	Primary	4/2/2014	NA	-	-	-	-	-	-	-	32	6.9	670 FB	-	1790
Lot 1	IMW-28	Primary	10/3/2014	NA	-	-	-	-	-	-	-	-1	6.83	-	-	1940
Lot 1	IMW-29	Primary	4/2/2014	NA	-	-	-	-	-	<0.04		-133	6.78	9.2 FB	-	1720
Lot 1	IMW-29	Primary	10/3/2014	NA	-	-	-	-	-	-	-	-137	6.83	-	-	1680
Lot 1	IMW-3	Primary	3/31/2014	NA	-	-	-	-	-	-	-	-132.0	6.57	-	-	1310
Lot 1	IMW-3	Primary	10/6/2014	NA	-	-	-	-	-	-	-	-92	6.74	-	-	1210
Lot 1	IMW-30	Primary	4/2/2014	NA	-	-	-	-	-	-	-	35	5.96	690 FB	-	1540
Lot 1	IMW-30	Primary	10/3/2014	NA	-	-	-	-	-	-	-	41	5.66	-	-	1670
Lot 1	IMW-31	Primary	4/2/2014	NA	-	-	-	-	-	-	-	-89	6.94	390 FB	-	1440
Lot 1	IMW-31	Primary	10/3/2014	NA	-	-	-	-	-	-	-	-91	6.57	-	-	2180
Lot 1	IMW-32	Primary	4/1/2014	NA	-	-	-	-	-	-	-	-41.0	7.59	-	-	616
Lot 1	IMW-32	Primary	10/6/2014	NA	-	-	-	-	-	-	-	-43	7.76	-	-	593
Lot 1	IMW-33	Primary	4/2/2014	NA	-	-	-	-	-	-	-	-26	7.23	530 FB	-	1720
Lot 1	IMW-33	Primary	10/6/2014	NA	-	-	-	-	-	-	-	-25	7.23	-	-	1790
Lot 1	IMW-4	Primary	3/31/2014	NA	-	-	-	-	-	-	-	-68.0	6.78	-	-	1110
Lot 1	IMW-4	Primary	10/6/2014	NA	-	-	-	-	-	-	-	-75	6.69	-	-	1320
Lot 1	INJ-15	Primary	4/15/2014	NA	-	-	-	-	-	-	-	-82	6.98	-	-	1390
Lot 1	INJ-17	Primary	4/15/2014	NA	-	-	-	-	-	-	-	-292	6.76	-	-	2730
Lot 1	INJ-39	Primary	4/15/2014	NA	-	-	-	-	-	-	-	-175	6.18	-	-	1530
Lot 1	INJ-41	Primary	4/15/2014	NA	-	-	-	-	-	-	-	-241	6.5	-	-	2590
Lot 1	MW-25R	Primary	4/2/2014	NA	-	-	-	-	-	<0.04	<0.1	161	7.04	650 FB	-	1650
Lot 1	MW-25R	Primary	10/3/2014	NA	-	-	-	-	-	<0.04	<0.1	65	6.74	-	-	1930
Lot 1	MW-26	Primary	4/11/2014	NA	-	-	-	-	-	<0.04	<0.1	151	6.76	-	-	876
Lot 1	MW-26-D	Duplicate	4/11/2014	NA	-	-	-	-	-	<0.04	<0.1	-	-	-	-	1816
Lot 1	MW-26	Primary	10/8/2014	NA	-	-	-	-	-	<0.04	<0.1	39	6.75	-	-	857
Lot 1	MW-26-D	Duplicate	10/8/2014	NA	-	-	-	-	-	<0.04	<0.1	-	-	-	-	-
Lot 1	MW-27	Primary	4/2/2014	NA	-	-	-	-	-	<0.04	<0.1	91	6.48	-	-	1750
Lot 1	MW-27	Primary	10/3/2014	NA	-	-	-	-	-	<0.04	0.24	42	6.32	-	-	1520
Lot 1	MW-30	Primary	3/31/2014	NA	-	-	-	-	-	<0.04	2.8	-89	7.00	-	-	983

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

Lot/Location	Sample ID	Sample Type	Sample Date	Sample Location Relative to BAPB (Applicable to Lot 3 Wells Only)	Alkalinity, Bicarbonate (mg/l)	Alkalinity, Carbonate (mg/l)	Alkalinity, Hydroxide (mg/l)	Alkalinity, Total as CaCO3 (mg/l)	Chloride (mg/l)	Dissolved Sulfide (mg/l)	Ferrous Iron, Fe+2 (mg/l)	Oxidation Reduction Potential (mv)	pH (SU)	Sulfate (mg/l)	Total Dissolved Solids (mg/l)	Specific Conductance (µS/cm)
Lot 1	MW-30	Primary	10/6/2014	NA	-	-	-	-	-	<0.04	1.5	-117	7.03	-	-	937
Lot 1	MW-33	Primary	4/4/2014	NA	-	-	-	-	-	<0.04	<0.1	43	7.11	-	-	1050
Lot 1	MW-33-D	Duplicate	4/4/2014	NA	-	-	-	-	-	<0.04	<0.1	-	-	-	-	1050
Lot 1	MW-33	Primary	10/8/2014	NA	-	-	-	-	-	<0.04	<0.1	30	6.59	-	-	1070
Lot 1	MW-33-D	Duplicate	10/8/2014	NA	-	-	-	-	-	<0.04	<0.1	-	-	-	-	-
Lot 1	PZ-11	Primary	4/4/2014	NA	-	-	-	-	-	-	-	-37.0	6.34	-	-	4080
Lot 1	PZ-11	Primary	10/8/2014	NA	-	-	-	-	-	-	-	108	6.32	-	-	3410
Lot 1	PZ-12	Primary	4/4/2014	NA	-	-	-	-	-	0.05	-	-100	6.76	140	-	1370
Lot 1	PZ-12	Primary	10/8/2014	NA	-	-	-	-	-	-	-	-117	6.31	-	-	1490
Lot 2	IMW-22	Primary	4/3/2014	NA	-	-	-	-	-	-	-	-88	6.73	150 FB	-	1170
Lot 2	IMW-22	Primary	10/13/2014	NA	-	-	-	-	-	-	-	-63	6.00	-	-	1590
Lot 2	IMW-5	Primary	4/3/2014	NA	-	-	-	-	-	-	-	-68	6.65	24 FB	-	1460
Lot 2	IMW-5	Primary	10/6/2014	NA	-	-	-	-	-	-	-	-56	6.53	-	-	1380
Lot 2	IMW-6	Primary	4/3/2014	NA	-	-	-	-	-	-	-	-95	6.88	66 FB	-	1520
Lot 2	IMW-6	Primary	10/13/2014	NA	-	-	-	-	-	-	-	-97	6.22	-	-	1700
Lot 2	IMW-7	Primary	4/3/2014	NA	-	-	-	-	-	-	-	-96	6.53	170 FB	-	2030
Lot 2	IMW-7-D	Duplicate	4/3/2014	NA	-	-	-	-	-	-	-	-	-	170 FB	-	--
Lot 2	IMW-7	Primary	10/13/2014	NA	-	-	-	-	-	-	-	-102	6.22	-	-	1720
Lot 2	IMW-8	Primary	4/3/2014	NA	-	-	-	-	-	-	-	-98	6.72	22 FB	-	1870
Lot 2	IMW-8	Primary	10/6/2014	NA	-	-	-	-	-	-	-	-103	7.04	-	-	1560
Lot 2	MW-24	Primary	4/3/2014	NA	-	-	-	-	-	<0.04	<0.1	-162	11.8	-	-	2090
Lot 2	MW-24	Primary	10/14/2014	NA	-	-	-	-	-	<0.04	<0.1	116	10.02	-	-	1890
Lot 2	MW-31	Primary	4/7/2014	NA	-	-	-	-	-	<0.04	<0.1	177	6.76	-	-	909
Lot 2	MW-31	Primary	10/8/2014	NA	-	-	-	-	-	<0.04	<0.1	-3	6.79	-	-	989
Lot 3	IMW-42	Primary	4/8/2014	UG of BAPB	-	-	-	-	-	-	-	-16	5.74	8100	-	9790
Lot 3	IMW-42	Primary	10/9/2014	UG of BAPB	-	-	-	-	-	-	-	-56	5.53	-	-	12300
Lot 3	IMW-43	Primary	4/9/2014	UG of BAPB	-	-	-	-	-	-	-	64	4.91	44 FB	-	5570
Lot 3	IMW-43	Primary	10/9/2014	UG of BAPB	-	-	-	-	-	-	-	-136	5.62	-	-	3370
Lot 3	IMW-44	Primary	4/9/2014	UG of BAPB	-	-	-	-	-	-	-	193	4.17	4100 FB	-	6920
Lot 3	IMW-45	Primary	4/8/2014	UG of BAPB	-	-	-	-	-	-	-	-133	6.32	19	-	4040
Lot 3	IMW-45	Primary	10/7/2014	UG of BAPB	-	-	-	-	-	-	-	-72	6.52	-	-	2400
Lot 3	IMW-46	Primary	4/7/2014	UG of BAPB	-	-	-	-	180 FB	-	-	-115	6.64	29	-	2270
Lot 3	IMW-47	Primary	4/7/2014	UG of BAPB	-	-	-	-		-	-	-155	6.79	<0.5	-	2950
Lot 3	IMW-48	Primary	4/8/2014	UG of BAPB	-	-	-	-	-	-	-	228	4.18	4200	-	5300
Lot 3	IMW-48	Primary	10/8/2014	UG of BAPB	-	-	-	-	-	-	-	220	3.57	-	-	5780
Lot 3	IMW-49	Primary	4/11/2014	UG of BAPB	-	-	-	-	-	-	-	-98	6.45	49	-	3060
Lot 3	IMW-50	Primary	4/11/2014	UG of BAPB	-	-	-	-	-	-	-	-79	6.48	54	-	2860
Lot 3	IMW-50	Primary	10/7/2014	UG of BAPB	-	-	-	-	-	-	-	-100	6.67	-	-	2810
Lot 3	IMW-57	Primary	4/11/2014	UG of BAPB	-	-	-	-	140	-	-	-129	6.33	780	-	2220
Lot 3	IMW-57	Primary	10/7/2014	UG of BAPB	-	-	-	-	140	-	-	-137	6.00	-	-	2370
Lot 3	IMW-58	Primary	4/4/2014	UG of BAPB	-	-	-	-	-	-	-	132.0	6.62	-	-	1790
Lot 3	IMW-58	Primary	10/9/2014	UG of BAPB	-	-	-	-	-	-	-	151	6.25	-	-	3730
Lot 3	IMW-59	Primary	4/7/2014	UG of BAPB	-	-	-	-	-	-	-	-13.0	6.74	-	-	2310
Lot 3	IMW-59	Primary	10/7/2014	UG of BAPB	-	-	-	-	-	-	-	-28	6.80	-	-	2250
Lot 3	IMW-60	Primary	4/7/2014	UG of BAPB	-	-	-	-	-	-	-	128.0	6.60	-	-	2040
Lot 3	IMW-60	Primary	10/7/2014	UG of BAPB	-	-	-	-	-	-	-	11	7.00	-	-	2330
Lot 3	IMW-61	Primary	4/7/2014	UG of BAPB	-	-	-	-	-	-	-	41.0	7.04	-	-	2920
Lot 3	IMW-61	Primary	10/7/2014	UG of BAPB	-	-	-	-	-	-	-	5	7.00	-	-	3290
Lot 3	IMW-62	Primary	4/7/2014	UG of BAPB	-	-	-	-	-	-	-	4.0	6.59	-	-	2.28
Lot 3	IMW-62	Primary	10/7/2014	UG of BAPB	-	-	-	-	-	-	-	-1	6.70	-	-	2210
Lot 3	MW-1	Primary	4/10/2014	DG of BAPB	540	<6.7	<6.7	540	520	<0.04	0.23	-47	7.3	810	-	4110
Lot 3	MW-1	Primary	10/15/2014	DG of BAPB	-	-	-	-	-	0.05	6.7	-116	6.58	-	-	4860
Lot 3	MW-10A	Primary	4/10/2014	DG of BAPB	96	<2	<2	96	4100	<0.04	200	-28	6.11	1600	-	12300
Lot 3	MW-10A	Primary	10/15/2014	DG of BAPB	-	-	-	-	-	<0.04	56	-29	5.77	-	-	18100
Lot 3	MW-10B	Primary	4/10/2014	DG of BAPB	-	-	-	-	-	<0.04	6.5	131	5.85	-	-	15900

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

Lot/Location	Sample ID	Sample Type	Sample Date	Sample Location Relative to BAPB (Applicable to Lot 3 Wells Only)	Alkalinity, Bicarbonate (mg/l)	Alkalinity, Carbonate (mg/l)	Alkalinity, Hydroxide (mg/l)	Alkalinity, Total as CaCO3 (mg/l)	Chloride (mg/l)	Dissolved Sulfide (mg/l)	Ferrous Iron, Fe+2 (mg/l)	Oxidation Reduction Potential (mv)	pH (SU)	Sulfate (mg/l)	Total Dissolved Solids (mg/l)	Specific Conductance (µS/cm)
Lot 3	MW-10B	Primary	10/15/2014	DG of BAPB	-	-	-	-	-	<0.04	<0.1	137	5.39	-	-	15900
Lot 3	MW-11A	Primary	4/10/2014	DG of BAPB	310	<4	<4	310	510	<0.04	<0.1	97	7.29	380	-	2840
Lot 3	MW-11A	Primary	10/15/2014	DG of BAPB	-	-	-	-	-	<0.04	100	-79	5.98	-	-	14000
Lot 3	MW-11B	Primary	4/10/2014	DG of BAPB	-	-	-	-	-	<0.04	37	214	4.71	-	-	8340
Lot 3	MW-11B	Primary	10/15/2014	DG of BAPB	-	-	-	-	-	<0.04	57	348	3.38	-	-	5830
Lot 3	MW-12	Primary	4/10/2014	DG of BAPB	130	<1	<1	130	2900	<0.04	41	-14	6.32	1000	-	9400
Lot 3	MW-12-D	Duplicate	4/10/2014	DG of BAPB	120	<1	<1	120	2900	<0.04	44	-	-	990	-	--
Lot 3	MW-12	Primary	10/14/2014	DG of BAPB	-	-	-	-	-	<0.04	110	-93	5.86	-	-	10600
Lot 3	MW-12-D	Duplicate	10/14/2014	DG of BAPB	-	-	-	-	-	<0.04	100	-	-	-	-	--
Lot 3	MW-13	Primary	4/14/2014	Immediately UG	590	<6.7	<6.7	590	1300	<0.04	3	-78	7.04	730	3770	5820
Lot 3	MW-13	Primary	10/13/2014	Immediately UG	51	<1	<1	51	1600	<0.04	87	67	4.92	2600	6650	8210
Lot 3	MW-14	Primary	4/14/2014	In BAPB	260	<6.7	<6.7	260	660	0.1	35	-85	7.07	500	2170	3460
Lot 3	MW-14	Primary	10/15/2014	In BAPB	1100	<6.7	<6.7	1100	2100	0.53	2.5	-170	6.51	420	5190	9330
Lot 3	MW-15	Primary	4/14/2014	DG of BAPB	210	<6.7	<6.7	210	350	<0.04	1.4	32	6.77	720	1990	2780
Lot 3	MW-15	Primary	10/14/2014	DG of BAPB	260	<6.7	<6.7	260	2100	<0.04	16	-90	6.18	830	5010	7300
Lot 3	MW-16A	Primary	4/14/2014	DG of BAPB	130	<2	<2	130	3000	<0.04	19	-137	6.92	1200	-	7930
Lot 3	MW-16A	Primary	10/14/2014	DG of BAPB	-	-	-	-	-	0.06	45	-125	6.05	-	-	6200
Lot 3	MW-16B	Primary	4/14/2014	DG of BAPB	-	-	-	-	-	<0.04	<0.1	35	7.01	-	-	5460
Lot 3	MW-16B	Primary	10/14/2014	DG of BAPB	-	-	-	-	-	<0.04	<0.1	42	6.66	-	-	5730
Lot 3	MW-17	Primary	4/14/2014	DG of BAPB	140	<4	<4	140	6300	0.06	46	-108	6.87	1400	-	1670
Lot 3	MW-17	Primary	10/14/2014	DG of BAPB	-	-	-	-	-	<0.04	9.1	-135	6.69	-	-	17300
Lot 3	MW-18	Primary	4/9/2014	UG of BAPB	-	-	-	-	-	<0.04	<0.1	247	5.52	-	-	6320
Lot 3	MW-18	Primary	10/9/2014	UG of BAPB	-	-	-	-	-	<0.04	<0.1	256	4.97	-	-	6690
Lot 3	MW-19	Primary	4/8/2014	UG of BAPB	-	-	-	-	-	4	2.9	-	-	2100	-	--
Lot 3	MW-19	Primary	4/8/2014	UG of BAPB	-	-	-	-	-	4	2.9	-213	6.93	2100	-	5310
Lot 3	MW-19-D	Duplicate	4/8/2014	UG of BAPB	-	-	-	-	-	3.4	2.9	-	-	2100	-	--
Lot 3	MW-19	Primary	10/9/2014	UG of BAPB	-	-	-	-	-	11	4.7	-386	6.40	-	-	6150
Lot 3	MW-19-D	Duplicate	10/9/2014	UG of BAPB	-	-	-	-	-	11	4.6	-	-	-	-	--
Lot 3	MW-2	Primary	4/14/2014	Immediately UG	350	<10	<10	350	3300	<0.04	130	-86	6.57	1600	7890	9990
Lot 3	MW-2	Primary	10/13/2014	Immediately UG	450	<6.7	<6.7	450	2000	<0.04	90	-101	6.19	1900	6560	8780
Lot 3	MW-20	Primary	4/8/2014	UG of BAPB	-	-	-	-	-	<0.04	110	193	4.27	-	-	9400
Lot 3	MW-20	Primary	10/9/2014	UG of BAPB	-	-	-	-	-	0.13	63	88	3.99	-	-	9340
Lot 3	MW-21	Primary	4/7/2014	UG of BAPB	-	-	-	-	-	<0.04	<0.1	-	-	-	-	--
Lot 3	MW-21	Primary	4/7/2014	UG of BAPB	-	-	-	-	-	<0.04	<0.1	106	6.34	-	-	3790
Lot 3	MW-21	Primary	10/7/2014	UG of BAPB	-	-	-	-	-	<0.04	<0.1	83	6.18	-	-	4390
Lot 3	MW-22	Primary	4/4/2014	UG of BAPB	-	-	-	-	-	<0.04	<0.1	-	-	-	-	--
Lot 3	MW-22	Primary	4/4/2014	UG of BAPB	-	-	-	-	-	<0.04	<0.1	79	7.02	-	-	3790
Lot 3	MW-22	Primary	10/9/2014	UG of BAPB	-	-	-	-	-	<0.04	<0.1	118	6.55	-	-	4020
Lot 3	MW-23	Primary	4/7/2014	UG of BAPB	-	-	-	-	-	<0.04	56	-54	6.18	-	-	2390
Lot 3	MW-23	Primary	10/7/2014	UG of BAPB	-	-	-	-	-	<0.04	91	-36	6.14	-	-	2820
Lot 3	MW-28	Primary	4/10/2014	DG of BAPB	<1	<1	<1	4.8	3700	<0.04	280	29	6.65	1700	8100	13300
Lot 3	MW-28	Primary	10/15/2014	DG of BAPB	<1	<1	<1	<1	2600	<0.04	170	51	5.06	1600	6740	9550
Lot 3	MW-29	Primary	4/14/2014	Immediately UG	440	<10	<10	440	3900	<0.04	37	-92	6.84	1100	-	11900
Lot 3	MW-29	Primary	10/13/2014	Immediately UG	-	-	-	-	-	0.08	180	-52	5.88	-	-	12300
Lot 3	MW-3	Primary	4/10/2014	In BAPB	730	<6.7	<6.7	730	1100	12	0.29	-327.0	6.61	660	3550	5370
Lot 3	MW-3	Primary	10/15/2014	In BAPB	1600	<6.7	<6.7	1600	2400	17	<0.1	-351	6.33	500	6110	11100
Lot 3	MW-32A	Primary	4/9/2014	UG of BAPB	-	-	-	-	-	<0.04	<0.1	209	5.69	-	-	6330
Lot 3	MW-32A	Primary	10/9/2014	UG of BAPB	-	-	-	-	-	<0.04	<0.1	198	5.38	-	-	6540
Lot 3	MW-32B	Primary	4/9/2014	UG of BAPB	-	-	-	-	-	<0.04	<0.1	267	5.2	-	-	7180
Lot 3	MW-32B	Primary	10/9/2014	UG of BAPB	-	-	-	-	-	<0.04	<0.1	288	4.69	-	-	7800
Lot 3	MW-4	Primary	4/10/2014	DG of BAPB	500	<10	<10	500	2600	<0.04	69	-224	6.82	1700	7190	10100
Lot 3	MW-4-D	Duplicate	4/10/2014	DG of BAPB	510	<10	<10	510	2500	<0.04	74	-	-	1700	7110	--
Lot 3	MW-4	Primary	10/15/2014	DG of BAPB	550	<10	<10	550	2100	<0.04	60	-107	6.24	1900	6710	9220
Lot 3	MW-4-D	Duplicate	10/15/2014	DG of BAPB	560	<10	<10	560	2100	<0.04	59	-	-	2100	6670	--
Lot 3	MW-5	Primary	4/10/2014	DG of BAPB	430	<10	<10	430	3100	<0.04	40	-78	6.68	1400	-	11100

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

Lot/Location	Sample ID	Sample Type	Sample Date	Sample Location Relative to BAPB (Applicable to Lot 3 Wells Only)	Alkalinity, Bicarbonate (mg/l)	Alkalinity, Carbonate (mg/l)	Alkalinity, Hydroxide (mg/l)	Alkalinity, Total as CaCO3 (mg/l)	Chloride (mg/l)	Dissolved Sulfide (mg/l)	Ferrous Iron, Fe+2 (mg/l)	Oxidation Reduction Potential (mv)	pH (SU)	Sulfate (mg/l)	Total Dissolved Solids (mg/l)	Specific Conductance (µS/cm)
Lot 3	MW-5	Primary	10/15/2014	DG of BAPB	-	-	-	-	-	<0.04	56	-140	6.47	-	-	8880
Lot 3	MW-6	Primary	4/11/2014	Immediately UG	410	<6.7	<6.7	410	3000	<0.04	38	-88	6.54	1100	-	10500
Lot 3	MW-6	Primary	10/13/2014	Immediately UG	-	-	-	-	-	<0.04	92	-105	5.98	-	-	8870
Lot 3	MW-7	Primary	4/10/2014	DG of BAPB	1000	<6.7	<6.7	1000	1700	<0.04	30	-129	6.71	1500	-	8860
Lot 3	MW-7	Primary	10/15/2014	DG of BAPB	-	-	-	-	-	<0.04	26	-100	6.23	-	-	10200
Lot 3	MW-8	Primary	4/14/2014	Immediately UG	290	<10	<10	290	2900	<0.04	30	-70	6.41	1000	6550	8240
Lot 3	MW-8	Primary	10/13/2014	Immediately UG	180	<6.7	<6.7	180	3000	<0.04	210	-27	5.79	1300	6880	10400
Lot 3	MW-9	Primary	4/14/2014	In BAPB	220	<6.7	<6.7	220	1600	0.07	23	-88	6.43	780	4010	6320
Lot 3	MW-9	Primary	10/13/2014	In BAPB	530	<6.7	<6.7	530	2200	0.08	32	-113	6.22	610	5090	8690
Lot 3	PZ-10	Primary	4/8/2014	UG of BAPB	-	-	-	-	2800	-	-	-47	5.94	-	-	1060
Lot 3	PZ-10	Primary	10/7/2014	UG of BAPB	-	-	-	-	-	-	-	-52	6.06	-	-	10700
Lot 3	PZ-13	Primary	4/8/2014	UG of BAPB	-	-	-	-	3600	<0.04	0.8	-115	6.75	-	-	12400
Lot 3	PZ-13-D	Duplicate	4/8/2014	UG of BAPB	-	-	-	-	3600	<0.04	0.79	-	-	-	-	--
Lot 3	PZ-13	Primary	10/7/2014	UG of BAPB	-	-	-	-	-	<0.04	66	-111	6.18	-	-	12500
Lot 3	PZ-13-D	Duplicate	10/7/2014	UG of BAPB	-	-	-	-	-	<0.04	70	-111	6.18	-	-	13500
Lot 3	PZ-14	Primary	4/1/2014	DG of BAPB	-	-	-	-	5500	<0.04	30	-90	6.8	1300	-	16900
Lot 3	PZ-14	Primary	4/9/2014	DG of BAPB	-	-	-	-	-	-		-117	7.06	-	-	17200
Lot 3	PZ-14	Primary	10/14/2014	DG of BAPB	-	-	-	-	-	<0.04	17	-163	6.45	-	-	18200
Lot 3	PZ-15	Primary	4/1/2014	DG of BAPB	-	-	-	-	-	<0.04	<0.1	65	6.6	-	-	3630
Lot 3	PZ-15	Primary	4/9/2014	DG of BAPB	-	-	-	-	-	-	-	-35	7.13	-	-	4070
Lot 3	PZ-15	Primary	10/14/2014	DG of BAPB	-	-	-	-	-	0.08	0.25	-242	6.84	-	-	4730
Lot 3	PZ-16	Primary	4/1/2014	DG of BAPB	-	-	-	-	-	<0.04	<0.1	66	7.34	-	-	3270
Lot 3	PZ-16	Primary	4/9/2014	DG of BAPB	-	-	-	-	-	-	-	50	7.3	-	-	3170
Lot 3	PZ-16	Primary	10/14/2014	DG of BAPB	-	-	-	-	-	<0.04	<0.1	86	6.71	-	-	3370
Storm Water 002	002-103114	Primary	10/31/2014	NA	-	-	-	-	-	-	-	-	6.5	-	-	-
Storm Water 002	002-111314	Primary	11/13/2014	NA	-	-	-	-	-	-	-	-	7.2	-	-	-
Storm Water 002	002-120314	Primary	12/3/2014	NA	-	-	-	-	-	-	-	-	7.2	-	-	-
Storm Water 003	003-103114	Primary	10/31/2014	NA	-	-	-	-	-	-	-	-	7.1	-	-	-
Storm Water 003	003-111314	Primary	11/13/2014	NA	-	-	-	-	-	-	-	-	7.2	-	-	-
Storm Water 003	003-120314	Primary	12/3/2014	NA	-	-	-	-	-	-	-	-	7.1	-	-	-

Abbreviations:
<0.50 = Concentration not detected at or above indicated laboratory reporting limit.
- = Sample not analyzed
Duplicate = Duplicatee sample collected from a well
Primary = primary sample collected from a well
BAPB = biologically active permeable barrier
DG = downgradient
EPA = Environmental Protection Agency
FB = qualified as estimated due to detection in associated equipment blank sample
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
UG = Upgradient
VOC = volatile organic compound
µg/L = micrograms per liter
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
VOCs											
1,2-Dichloropropane	1.20E+02	3.70E+02	1.90E+03	5.00E+00	3.90E+02	na	-	2.00E+03	1.60E+04	6.20E+04	3.90E+01

Table 7
Screening Criteria for Groundwater and Surface-Water Samples
Campus Bay 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)	
Ethylbenzene	2.40E+05	1.10E+06	4.20E+05	3.00E+02	2.90E+05	na	-	1.50E+06	1.20E+07	4.60E+07	2.90E+04
Methylene Chloride	9.80E+02	3.00E+03	1.30E+04	5.00E+00	na	na	na	-	-	-	-
Naphthalene	2.10E+02	6.40E+02	9.00E+01	na	na	na	na	-	-	-	-
1,1,2,2-Tetrachloroethane	1.30E+02	4.00E+02	2.10E+02	1.00E+00	1.10E+02	na	na	5.50E+02	4.40E+03	1.80E+04	1.10E+01
Tetrachloroethene	3.80E+01	1.10E+02	2.20E+01	5.00E+00	8.90E+01	na	na	4.40E+02	3.50E+03	1.40E+04	8.90E+00
Toluene	3.50E+04	1.60E+05	5.70E+05	1.50E+02	2.00E+06	na	na	1.00E+07	8.00E+07	3.20E+08	2.00E+05
1,1,2-Trichloroethane	2.10E+02	6.30E+02	1.10E+03	5.00E+00	4.20E+02	na	-	2.10E+03	1.70E+04	6.70E+04	4.20E+01
Trichloroethene	1.80E+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	-	-	-	-	-
VOCs (cont.)											
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
Terraphase Engineering, Inc. (Terraphase). 2012. Revised TCE Risk Evaluation Technical Memorandum. July 19.											
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
Napromide	-	-	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 permeab
BHC = hexachlorocyclohexane
COPC = chemical of potential conc
CTR = California Toxics Rule
DDD = dichlorodiphenyldichloroeth
DDE = dichlorodiphenyldichloroeth
DDT = dichlorodiphenyltrichloroeth
DTSC = Department of Toxic Subst
EPTC = s-ethyl dipropylthiocarbam
HHRA = Human Health Risk Assessr
m3-atm/mol = meters cubed - atm
MCL = maximum contaminant leve
NRWQC = National Recommended Ambient Water Quality Criteria
PCBs = polychlorinated biphenyl
PCDDs = polychlorinated dibenzo-p-dioxins
PCDFs = polychlorinated dibenzofurans
PER = Pacific EcoRisk Report
SVOCs = semivolatile organic compounds
SSG = site-specific goal
2,3,7,8-TCDD = 2,3,7,8-tetrachlorodibenzo-p-dioxin
TEQ = toxicity equivalent quotient
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 2008a]), 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 2008a) 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 I of the Draft Feasibility Study and Remedial Action Plan for Lots 1, 2, and 3 (EKI 2008b).
(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 NAWQC 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
VOCs (cont.)
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).

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 2008a. 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.

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

Sample ID	Sample Type	Location	Sample Date	Alkalinity, Bicarbonate (mg/L)	Ferrous Iron (Fe+2) (mg/L)	Oxidation Reduction Potential (mV)	pH (SU)	Sulfate (mg/L)	Dissolved Sulfide (mg/L)	Arsenic (µg/L)	Copper (µg/L)	Lead (µg/L)	Nickel (µg/L)	Zinc (µg/L)
MW-2	Primary	Immediately UG	4/14/2014	350	130	-86	6.57	1600	<0.04	440	<5	<5	<5	<20
MW-2	Primary	Immediately UG	10/13/2014	450	90	-101	6.19	1900	<0.04	340	<5	<5	<5	<20
MW-3	Primary	In BAPB	4/10/2014	730	0.29	-327	6.61	660	12	7.4	<5	<5	<5	<20
MW-3	Primary	In BAPB	10/15/2014	1600	<0.1	-351	6.33	500	17	8	<5	<5	<5	<20
MW-4-D	Duplicate	DG of BAPB	4/10/2014	510	74	-	-	1700	<0.04	360	<5	<5	<5	<20
MW-4	Primary	DG of BAPB	4/10/2014	500	69	-224	6.82	1700	<0.04	360	<5	<5	<5	<20
MW-4	Primary	DG of BAPB	10/15/2014	550	60	-107	6.82	1900	<0.04	470	<5	<5	<5	<20
MW-4-D	Duplicate	DG of BAPB	10/15/2014	560	59	-	-	2100	<0.04	400	<5	<5	<5	<20
MW-8	Primary	Immediately UG	4/14/2014	290	30	-70	6.41	1000	<0.04	83	<5	<5	<5	150
MW-8	Primary	Immediately UG	10/13/2014	180	210	-27	5.79	1300	<0.04	55	<5	<5	<5	**2900**
MW-9	Primary	In BAPB	4/14/2014	220	23	-88	6.43	780	0.07	580	<5	<5	<5	<20
MW-9	Primary	In BAPB	10/13/2014	530	32	-113	6.22	610	0.08	480	<5	<5	<5	<20
MW-28	Primary	DG of BAPB	4/10/2014	<1	280	29	6.65	1700	<0.04	140	<5	<5	23	**900**
MW-28	Primary	DG of BAPB	10/15/2014	<1	170	51	5.06	1600	<0.04	140	<5	<5	**43**	**1400**
MW-13	Primary	Immediately UG	4/14/2014	590	3	-78	7.04	730	<0.04	<5	<5	<5	<5	<20
MW-13	Primary	Immediately UG	10/13/2014	51	87	67	4.92	2600	<0.04	13	<5	<5	**280**	**6,600**
MW-14	Primary	In BAPB	4/14/2014	260	35	-85	7.07	500	0.1	28	<5	<5	<5	<20
MW-14	Primary	In BAPB	10/15/2014	1100	2.5	-170	6.51	420	0.53	23	<5	<5	<5	<20
MW-15	Primary	DG of BAPB	4/14/2014	210	1.4	32	6.77	720	<0.04	20	**150**	<5	15	**550**
MW-15	Primary	DG of BAPB	10/14/2014	260	16	-90	6.18	830	<0.04	23	<5	<5	<5	<20

On-Site Residential Lots 1, 2, and 3 (Upper Horizon)	--	--	--	--	--	--	--	--	--	--	--	--
On-Site Groundskeeper/Maintenance Worker Lots 1, 2, and 3	--	--	--	--	--	--	1.10E+02	1.50E+07	--	9.30E+07	1.90E+08	
5x Aquatic Criteria, Lot 3 (Upper Horizon, Near BAPB)	--	--	--	--	--	--	1.80E+02	1.60E+01	4.10E+01	4.10E+01	4.10E+02	

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

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

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 font is bold and the analytical results are designated as follows:

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

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

FIGURES

N

SAFETY FIRST

terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Site Location

FIGURE 1

File:J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR10\fig_1 Site_Location_0009-002-015.mxd 2/9/2015 Created by: DR Checked by: EM

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\10\fig_2_Samp_Loc_0009.002.019.mxd Created by: DR 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-32A
MW-32B
MW-19
IMW-44
IMW-43
IMW-42
IMW-37B
MW-10A
MW-9
MW-8
MW-28
IMW-35B
IMW-34B
MW-10B
IMW-53
IMW-54
IMW-36B
PZ-4S
PZ-4D
PZ-5S
PZ-5D
PZ-6S
PZ-6D
MW-20
MW-11A
MW-11B
MW-23
MW-29
MW-12
IMW-48
MW-14
MW-15
MW-13
IMW-45
IMW-47
MW-21
IMW-46
IMW-59
IMW-60
IMW-61
MW-16A
MW-16B
PZ-10
IMW-62
MW-17
PZ-13
IMW-49
IMW-57
IMW-50
PZ-14
OUTFALL 002
Valve
DTSC-MW-1
DTSC-MW-4
MW-31
PZ-15
DTSC-MW-2
PZ-16
OUTFALL 001
MW-24
IMW-22
IMW-7
IMW-6
IMW-5
IMW-8
IMW-9
IMW-11
IMW-10
IMW-14
IMW-13
IMW-12
IMW-16
IMW-15
IMW-17
IMW-33
IMW-32
IMW-31
IMW-30
PZ-11
PZ-12
IMW-23
IMW-24
IMW-25
MW-25R
IMW-26
IMW-28
IMW-27
IMW-29
MW-26
MW-27
IMW-3
IMW-4
IMW-1
IMW-2
MW-33
MW-30

Lot 3 **Lot 2** **Lot 1**

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)

0 120 240 360 480 Feet

1 Inch = 250 Feet

N

SAFETY FIRST

terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Site Plan and Monitoring Well Locations

FIGURE 2

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\04\fig_3A_UH_GW_Contours_0009.002.019.mxd 2/9/2015 Created by: EM Checked by: AR

OUTFALL 003
MW-1 3.13
MW-3 3.83
MW-5 3.36
MW-2 3.79
MW-4 3.53
MW-7 3.59
MW-6 3.77
PZ-1S PZ-1D PZ-2S PZ-2D PZ-3S PZ-3D
IMW-37B 4.11
MW-9 4.11
IMW-37A 4.11
MW-10A
MW-8 4.60
IMW-35B
MW-28 4.42
IMW-34B
MW-10B
IMW-53
IMW-54
IMW-36B
PZ-4S PZ-4D PZ-5S PZ-5D PZ-6S PZ-6D
MW-11A 3.68
MW-11B
MW-12 5.19
MW-29 4.76
MW-14 5.29
MW-15 5.31
MW-13 4.86
MW-16A 4.95
MW-16B
MW-17 5.34
PZ-20A2 6.19
PZ-14 5.82
OUTFALL 002
PZ-21A2 3.69
PZ-15 4.14
PZ-16 3.81
OUTFALL 001
MW-18 4.95
MW-32A 4.62
MW-32B
MW-19 6.81
MW-42 5.03
MW-20 4.67
MW-21 4.66
PZ-10 7.49
PZ-17A1 7.01
PZ-13 6.76
PZ-18A2 6.31
IMW-58 6.28
MW-22 6.40
IMW-44 4.95*
IMW-43 5.51
IMW-48 5.98
IMW-45 5.04
IMW-47 5.31*
IMW-46 5.41*
IMW-49
IMW-57 6.77
6.75*
IMW-50 6.80
DTSC-MW-1 6.43
DTSC-MW-2 5.57
MW-23 8.20
IMW-59 8.60
IMW-60 7.79
IMW-61 8.56
IMW-62 8.39
PZ-7 8.41*
IMW-14 9.57*
IMW-13 9.51*
IMW-12 8.83*
MW-24 11.08*
IMW-11
IMW-10
IMW-9
IMW-22 9.32
IMW-6 9.21
IMW-7 9.38
IMW-5 9.40
IMW-8 9.17
MW-31 9.79
DTSC-MW-4 9.19
IMW-16
IMW-15
IMW-17
IMW-31 10.25
IMW-33
IMW-32
IMW-30 10.50
PZ-11 10.86
IMW-23 11.48
PZ-12 11.91
IMW-24 11.76
IMW-25 12.46
MW-25R 12.33
IMW-26 12.43
IMW-28 12.27
IMW-29
IMW-27 12.38
MW-27 12.45
MW-26 12.10
PZ-9
IMW-3 9.98
IMW-4 10.07
IMW-1 9.60
IMW-2 9.74
MW-33 9.63
MW-30 9.49

Legend

- Approximate Groundwater Elevation Contour
- 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:
* = Data collected in support of future remedial design and not required for the Site Investigation and Remediation Order, Docket No. IS/E-RAO 06/07-005.
The results are not discussed in detail in the SMR but have been used to generate isoconcentration contours and are included in Appendix B.
Depth to water measurements were collected on March 28, 2014.
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:	0009.002.019

Groundwater Elevation Contours
Upper Horizon
March 28, 2014

FIGURE 3A

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\10\fig_3B_UH_GW_Contours_0009-002-019.mxd 2/10/2015 Created by: EM Checked by: AR

OUTFALL 003
MW-1 2.19
MW-3 2.41
MW-5 2.19
MW-2 2.41
MW-4 2.27
MW-6 2.41
MW-7 2.33
PZ-1S PZ-1D PZ-2S PZ-2D PZ-3S PZ-3D
IMW-37B
MW-9 2.30
MW-10A 2.53
MW-8 3.22
IMW-35B
IMW-34B
MW-10B
MW-28 2.64
IMW-53
IMW-54
PZ-4S PZ-4D PZ-5S PZ-5D PZ-6S PZ-6D
IMW-36B
MW-11A 1.30
MW-11B
MW-12 2.76
MW-29 2.91
MW-14 2.80
MW-15 2.68
MW-13 2.96
MW-16A 2.53
MW-16B
MW-17 2.28
PZ-14 2.46
OUTFALL 002
PZ-15 2.78
PZ-16 2.81
OUTFALL 001
MW-18 3.87
MW-32A 3.47
MW-32B
MW-19 7.21
IMW-42 4.38
IMW-44 3.47
IMW-43 4.84
MW-20 3.50
MW-21 3.69
IMW-45 3.95
IMW-47 4.35
IMW-48 6.09
MW-23 6.15
IMW-46 4.31
PZ-10 3.84
PZ-13 3.69
IMW-49
IMW-57 4.90
4.53
IMW-50 4.89
IMW-58 4.50
MW-22 4.66
PZ-7 6.36
IMW-14
IMW-13
IMW-12
IMW-59 6.63
IMW-60 5.90
IMW-61 6.56
IMW-62 5.71
IMW-9
IMW-11
IMW-10
MW-24 8.24
IMW-22 6.74
IMW-6 6.72
IMW-7 6.81
IMW-5 6.56
IMW-8 6.67
DTSC-MW-1 4.74
DTSC-MW-4 6.44
DTSC-MW-2 3.97
MW-31 6.87
MW-33 6.91
MW-30 6.78
IMW-3 7.05
IMW-4 7.11
IMW-1 6.80
IMW-2 6.86
PZ-9
PZ-11 8.75
PZ-12 9.87
IMW-24 10.14
IMW-23 9.2
IMW-16
IMW-15
IMW-17
IMW-33
IMW-32
IMW-31 7.85
IMW-30 8.08
IMW-25 10.28
MW-25R 10.68
IMW-26 11.64*
IMW-28 10.78
IMW-27 10.74
IMW-29
MW-26 11.24
MW-27 10.30

Legend

- Approximate Groundwater Elevation Contour
- 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:
*= Individual groundwater elevation measurement not used in contouring.
Depth to water measurements were collected on October 1, 2014.
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

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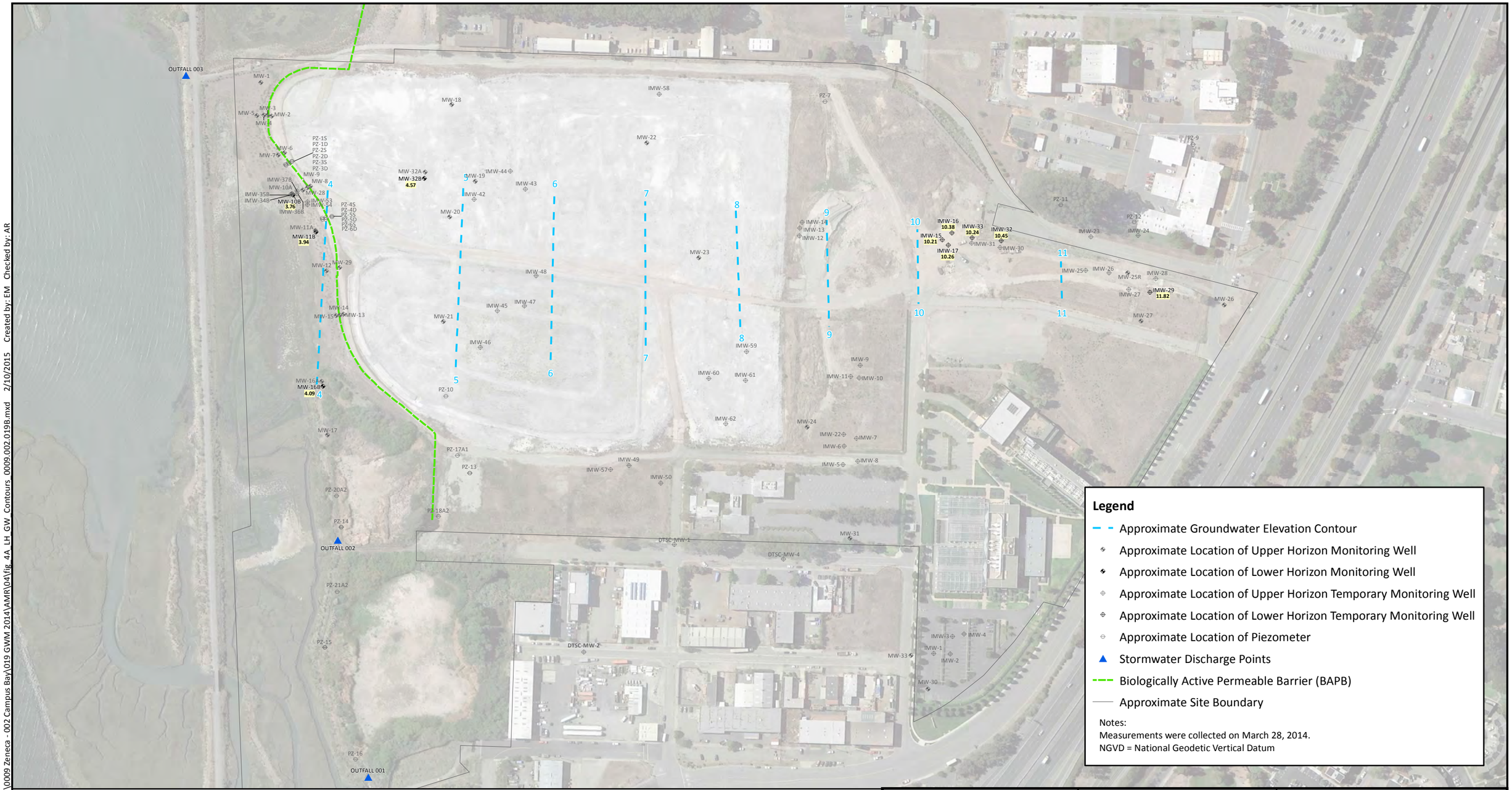
CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Groundwater Elevation Contours
Upper Horizon
October 1, 2014

FIGURE 3B



Legend

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

Notes:
Measurements were collected on March 28, 2014.
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

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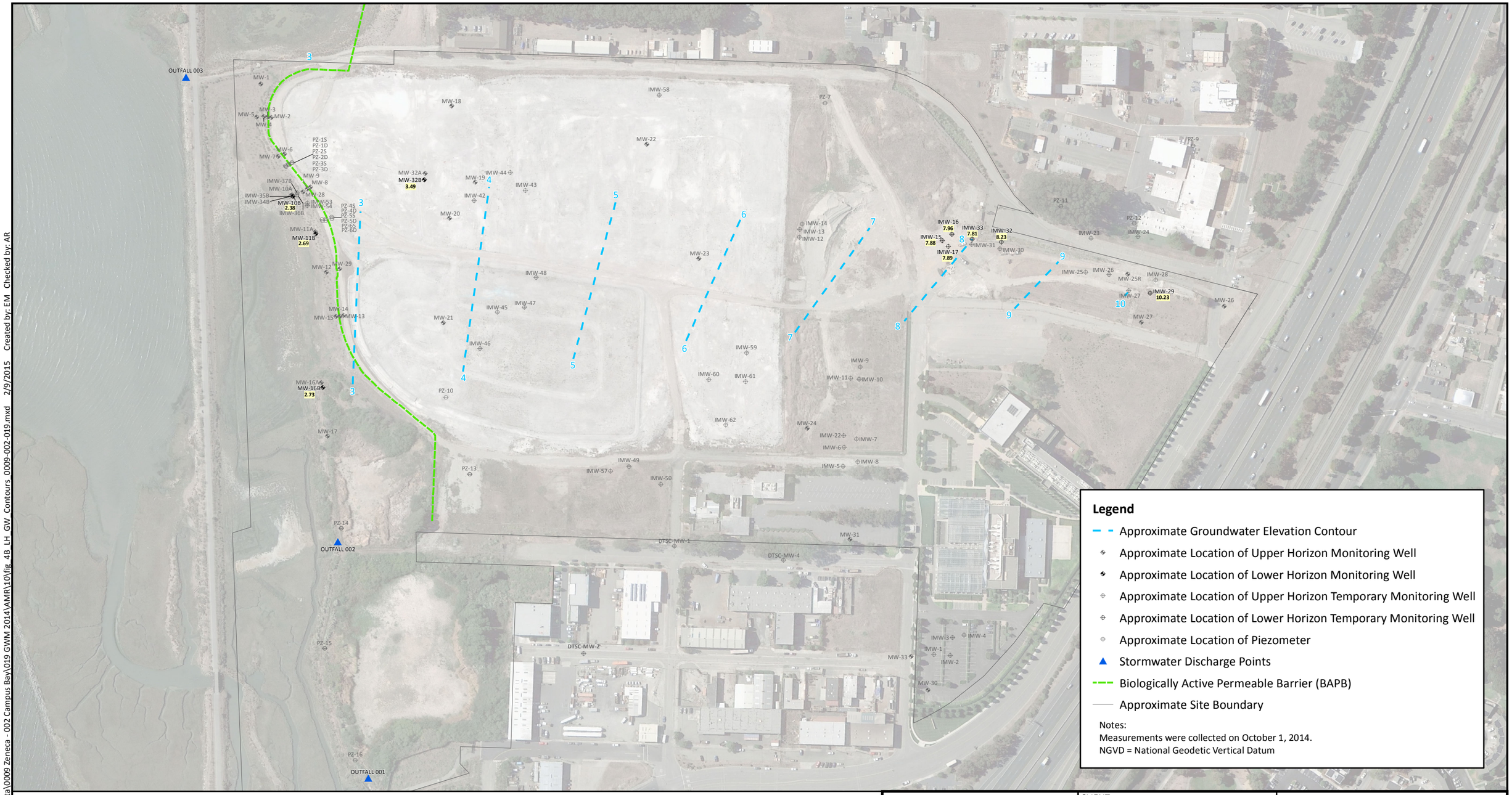
CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Groundwater Elevation Contours
Lower Horizon
March 28, 2014

FIGURE 4A

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\04\fig. 4A_LH GW Contours_0009.002.019B.mxd 2/10/2015 Created by: EM Checked by: AR



Legend

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

Notes:
Measurements were collected on October 1, 2014.
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

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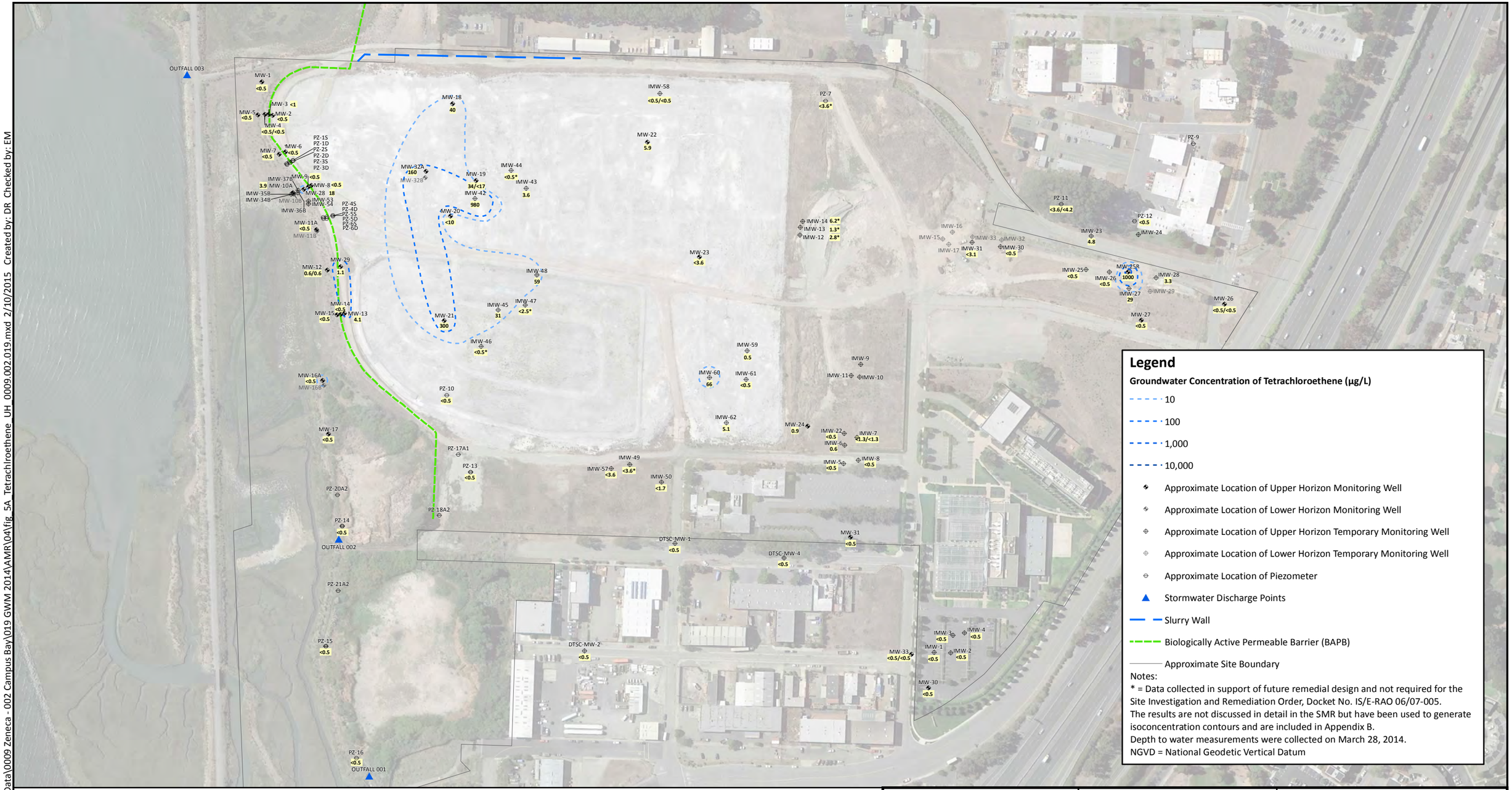
CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Groundwater Elevation Contours
Lower Horizon
October 1, 2014

FIGURE 4B

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\10\fig_4B_LH_GW_Contours_0009-002-019.mxd 2/9/2015 Created by: EM Checked by: AR

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\04\fig_5A_Tetrachloroethene_UH_0009.002.019.mxd 2/10/2015 Created by: DR Checked by: EM



Legend

Groundwater Concentration of Tetrachloroethene (µg/L)

- 10
- 100
- 1,000
- 10,000
- 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:
* = Data collected in support of future remedial design and not required for the Site Investigation and Remediation Order, Docket No. IS/E-RAO 06/07-005.
The results are not discussed in detail in the SMR but have been used to generate isoconcentration contours and are included in Appendix B.
Depth to water measurements were collected on March 28, 2014.
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

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CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Concentration of Tetrachloroethene in Upper Horizon Groundwater April 2014

FIGURE 5A

File: I:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\10\fig_5B_Tetrachloroethene_UH_0009-002-019.mxd 2/9/2015 Created by: DR Checked by: EM

OUTFALL 003
MW-1 <0.5
MW-3 <1
MW-5 <0.5
MW-2 <0.5
MW-4 <0.5
MW-6 <0.5
MW-7 <0.5
PZ-1S
PZ-1D
PZ-2S
PZ-2D
PZ-3S
PZ-3D
IMW-37B
MW-9 <0.5
MW-10A 4.9
MW-8 2.8
IMW-35B
IMW-34B
MW-10B
MW-28 11
IMW-53
IMW-54
IMW-36B
PZ-4S
PZ-4D
PZ-5S
PZ-5D
PZ-6S
PZ-6D
MW-11A 2.5
MW-11B
MW-12 <0.5
MW-29 660
MW-14 <0.5
MW-15 <0.5
MW-13 180
MW-16A 79
MW-16B
MW-17 <0.5
PZ-14 <0.5
OUTFALL 002
PZ-15 <0.5
PZ-16 <0.5
OUTFALL 001
MW-18 39
MW-32A 280
MW-32B
MW-19 13
IMW-42 710
IMW-44
IMW-43 4
MW-20 <10
MW-21 410
IMW-48 38
IMW-47
IMW-45 3.4
IMW-46
PZ-10 <0.5
PZ-13 <0.5 / <0.5
IMW-49
IMW-57 <3.6
IMW-50 <1
DTSC-MW-1 <0.5
DTSC-MW-2 <0.5
DTSC-MW-4 <0.5
IMW-58 0.7
MW-22 5.5
MW-23 <2.5
IMW-59 <0.5
IMW-60 89
IMW-61 <0.5
IMW-62 76
MW-24 0.8
IMW-9
IMW-11
IMW-10
IMW-22 <0.5
IMW-6 1.5
IMW-7 <1.3/<1.3
IMW-5 <0.5
IMW-8 <1.3
MW-31 <0.5
MW-33 <0.5/<0.5
IMW-3 <0.5
IMW-4 <0.5
IMW-1 <0.5
IMW-2 <0.5
MW-30 <0.5
PZ-7
PZ-9
PZ-11 5.4/4.9
PZ-12 <0.5
IMW-24
IMW-23 6.7
IMW-14
IMW-13
IMW-12
IMW-16
IMW-15
IMW-17
IMW-33
IMW-32
IMW-31 <6.3
IMW-30 <0.5
IMW-25 <0.5
MW-25R 1600
IMW-26 0.6
IMW-27 380
IMW-28 4
IMW-29
MW-26 <0.5/<0.5
MW-27 <0.5

Legend

Groundwater Concentration of Tetrachloroethene (µg/L)

- 10
- 100
- 1,000
- 10,000
- Approximate Location of Upper Horizon Monitoring Well
- Approximate Location of Lower Horizon Monitoring Well
- Approximate Location of Upper Horizon Temporary Monitoring Well; IMW-58
- 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

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

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CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Concentration of Tetrachloroethene in Upper Horizon Groundwater October 2014

FIGURE 5B

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

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

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CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Concentration of Tetrachloroethene in Lower Horizon Groundwater April 2014

FIGURE 6A

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\04\Fig_6A_TetrachIroethene_LH_0009.002.019.mxd 2/9/2015 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

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

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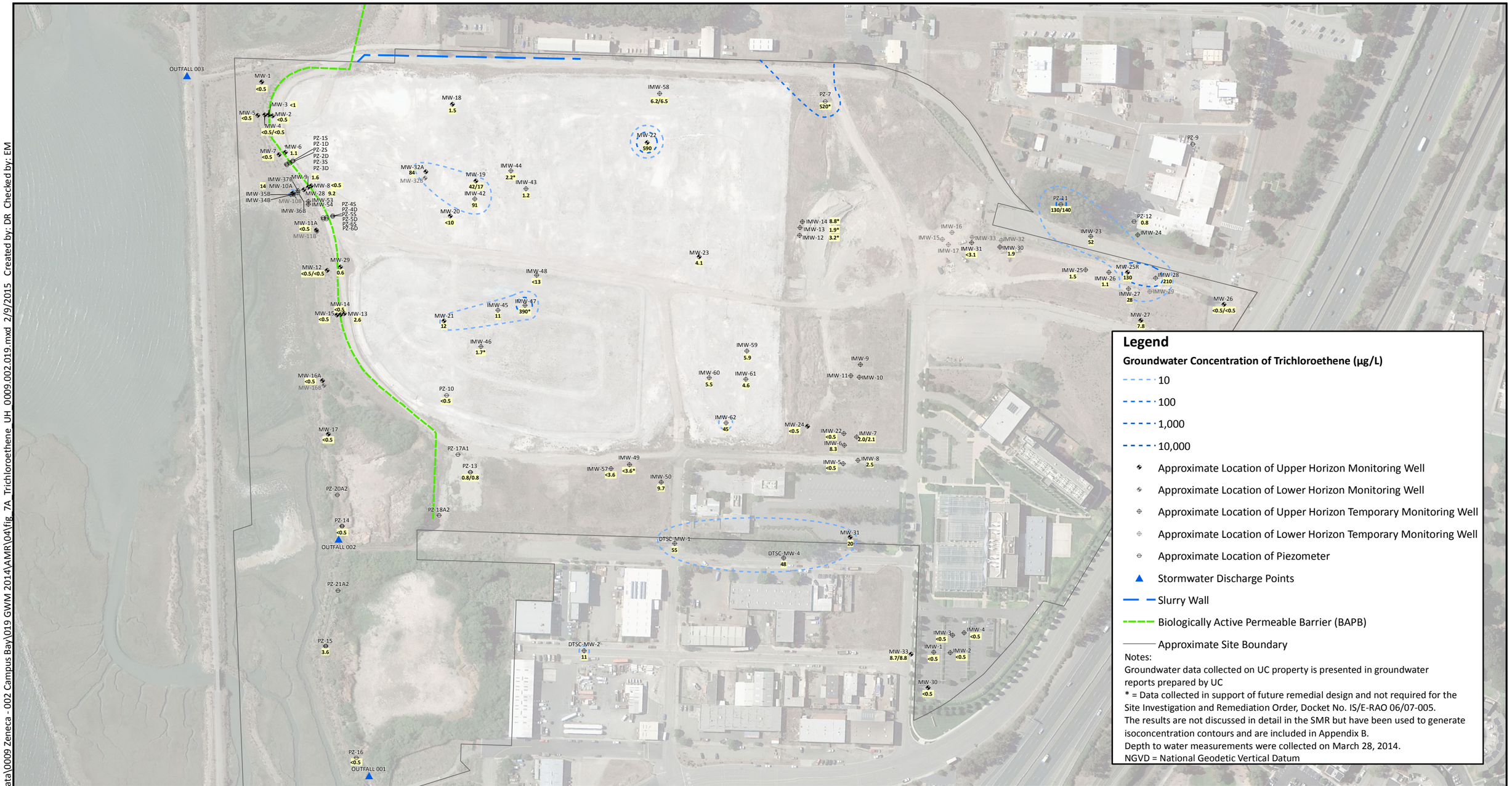
CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Concentration of Tetrachloroethene in Lower Horizon Groundwater October 2014

FIGURE 6B

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\10\Fig_6B_TetrachIroethene_LH_0009-002-019.mxd 2/9/2015 Created by: DR Checked by: EM

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\04\fig_7A_Trichloroethene_UH_0009.002.019.mxd 2/9/2015 Created by: DR Checked by: EM



Legend

Groundwater Concentration of Trichloroethene (µg/L)

- 10
- 100
- 1,000
- 10,000
- 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:
Groundwater data collected on UC property is presented in groundwater reports prepared by UC
* = Data collected in support of future remedial design and not required for the Site Investigation and Remediation Order, Docket No. IS/E-RAO 06/07-005.
The results are not discussed in detail in the SMR but have been used to generate isoconcentration contours and are included in Appendix B.
Depth to water measurements were collected on March 28, 2014.
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

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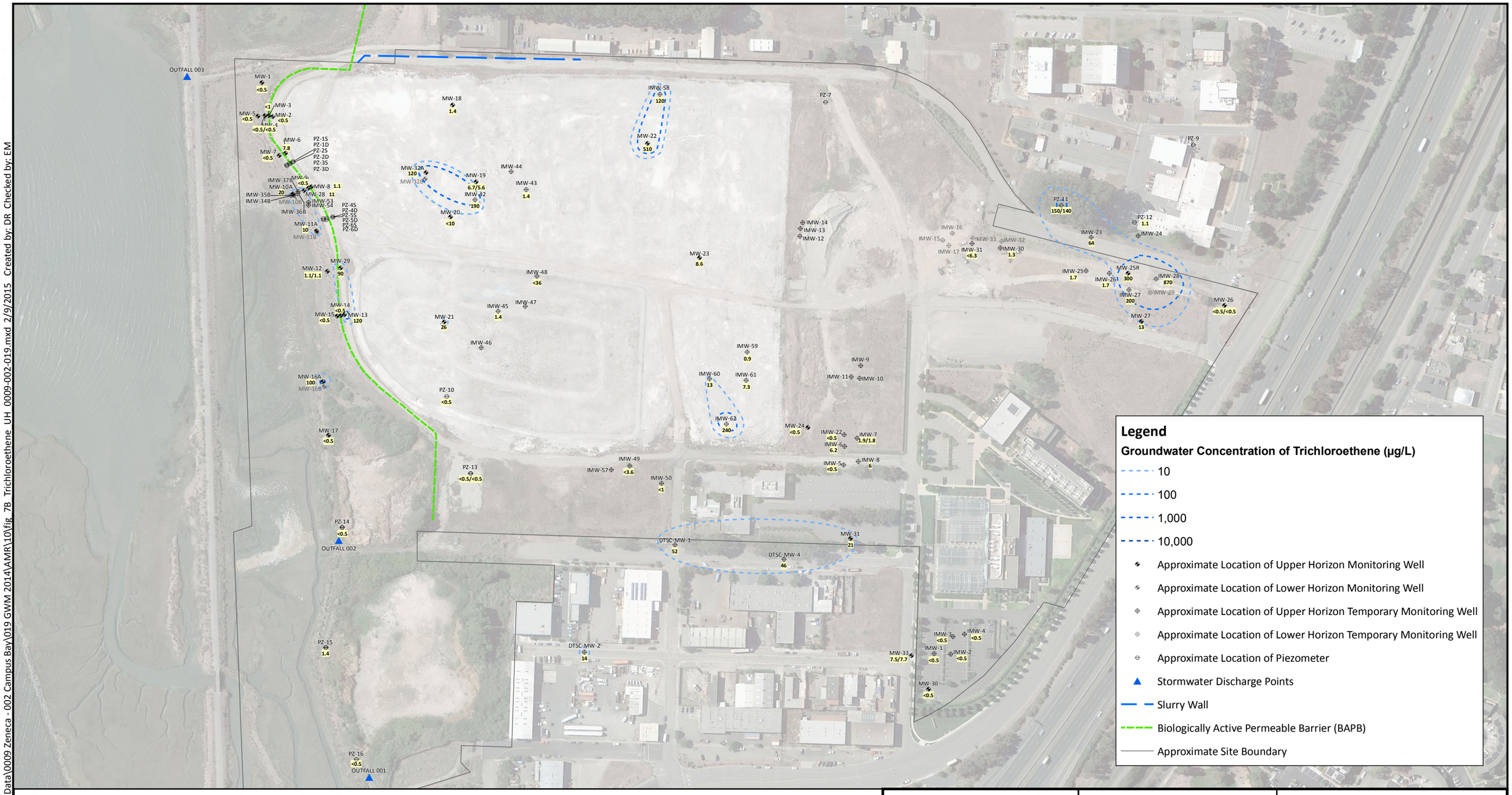
terraphase engineering

CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Concentration of Trichloroethene in Upper Horizon Groundwater April 2014

FIGURE 7A

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\10\fig_7B_Trichloroethene_UH_0009-002-019.mxd 2/9/2015 Created by: DR Checked by: EM



Legend

Groundwater Concentration of Trichloroethene (µg/L)

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

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

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CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Concentration of Trichloroethene in Upper Horizon Groundwater October 2014

FIGURE 7B

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\04\Fig_8A_Trichloroethene_LH_0009.002.019.mxd 2/9/2015 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

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

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CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Concentration of Trichloroethene in Lower Horizon Groundwater April 2014

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

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

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CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Concentration of Trichloroethene in Lower Horizon Groundwater October 2014

FIGURE 8B

File: I:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\10\fig_8B_Trichloroethene_LH_0009-002-019.mxd 2/9/2015 Created by: DR Checked by: EM

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\04\fig_9A_VinylChloride_UH_0009.002.019.mxd 2/9/2015 Created by: DR Checked by: EM

OUTFALL 003

OUTFALL 002

OUTFALL 001

Legend

Groundwater Concentration of Vinyl Chloride (µg/L)

- 10
- 100
- 1,000
- 10,000
- 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:
* = Data collected in support of future remedial design and not required for the Site Investigation and Remediation Order, Docket No. IS/E-RAO 06/07-005.
The results are not discussed in detail in the SMR but have been used to generate isoconcentration contours and are included in Appendix B.
Depth to water measurements were collected on March 28, 2014.
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

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CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Concentration of Vinyl Chloride in Upper Horizon Groundwater April 2014

FIGURE 9A

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\10\fig_9B_VinylChloride_UH_0009-002-019.mxd 2/9/2015 Created by: DR Checked by: EM

OUTFALL 003
OUTFALL 002
OUTFALL 001

MW-1 <0.5
MW-3 1
MW-5 <0.5
MW-2 <0.5
MW-4 <0.5/<0.5
MW-6 0.9
MW-7 <0.5
PZ-1S PZ-1D PZ-2S PZ-2D PZ-3S PZ-3D
MW-16A <0.5
MW-16B
MW-17 <0.5
MW-18 <0.5
MW-32A <8.3
MW-32B
MW-19 3000/2700
MW-32 <5
IMW-44
IMW-43 <0.5
IMW-37B
MW-9 <0.5
MW-10A <0.5
MW-8 <0.5
IMW-35B
IMW-34B
MW-10B
MW-28 <0.5
IMW-53
IMW-54
IMW-36B
PZ-4S PZ-4D PZ-5S PZ-5D PZ-6S PZ-6D
MW-20 <10
MW-11A <0.5
MW-11B
MW-29 <0.5
MW-12 <0.5/<0.5
MW-14 <0.5
MW-15 <0.5
MW-13 <0.5
MW-21 <2.5
IMW-45 13
IMW-47
IMW-48 <5
IMW-46
MW-16A <0.5
MW-16B
PZ-10 <0.5
IMW-62 370
IMW-60 <2.5
IMW-61 3.5
IMW-59 5
IMW-58 2.5/2.4
MW-22 9.1
PZ-7
MW-23 <0.5
IMW-14
IMW-13
IMW-12
IMW-9
IMW-11
IMW-10
MW-24 <0.5
IMW-22 27
IMW-6 3
IMW-7 2.5/<3.6
IMW-5 1.7
IMW-8 39
IMW-49
IMW-57 27
IMW-50 21
PZ-13 <0.5/<0.5
PZ-14 <0.5
DTSC-MW-1 <0.5
DTSC-MW-4 <0.5
MW-31 <0.5
DTSC-MW-2 <0.5
MW-33 <0.5
MW-30 <0.5
IMW-3 0.6
IMW-4 2.7
IMW-1 7.2
IMW-2 6.6
PZ-15 <0.5
PZ-16 <0.5
PZ-9
PZ-11 <3.6/<2.5
PZ-12 60
IMW-24
IMW-23 <0.5
IMW-16
IMW-15
IMW-17
IMW-33
IMW-32
IMW-31 7.6
IMW-30 <0.5
IMW-25 <0.5
MW-25R 18
IMW-26 31
IMW-28 360
IMW-27 3
IMW-49
MW-26 <0.5
MW-27 <0.5

Legend

Groundwater Concentration of Vinyl Chloride (µg/L)

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

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

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CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Concentration of Vinyl Chloride in Upper Horizon Groundwater October 2014

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

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

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CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Concentration of Vinyl Chloride in Lower Horizon Groundwater April 2014

FIGURE 10A

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\04\Fig_10A_VinylChloride_LH_0009.002.019.mxd 2/9/2015 Created by: DR Checked by: EM

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\10\fig_10B_VinylChloride_LH_0009-002-019.mxd 2/10/2015 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

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

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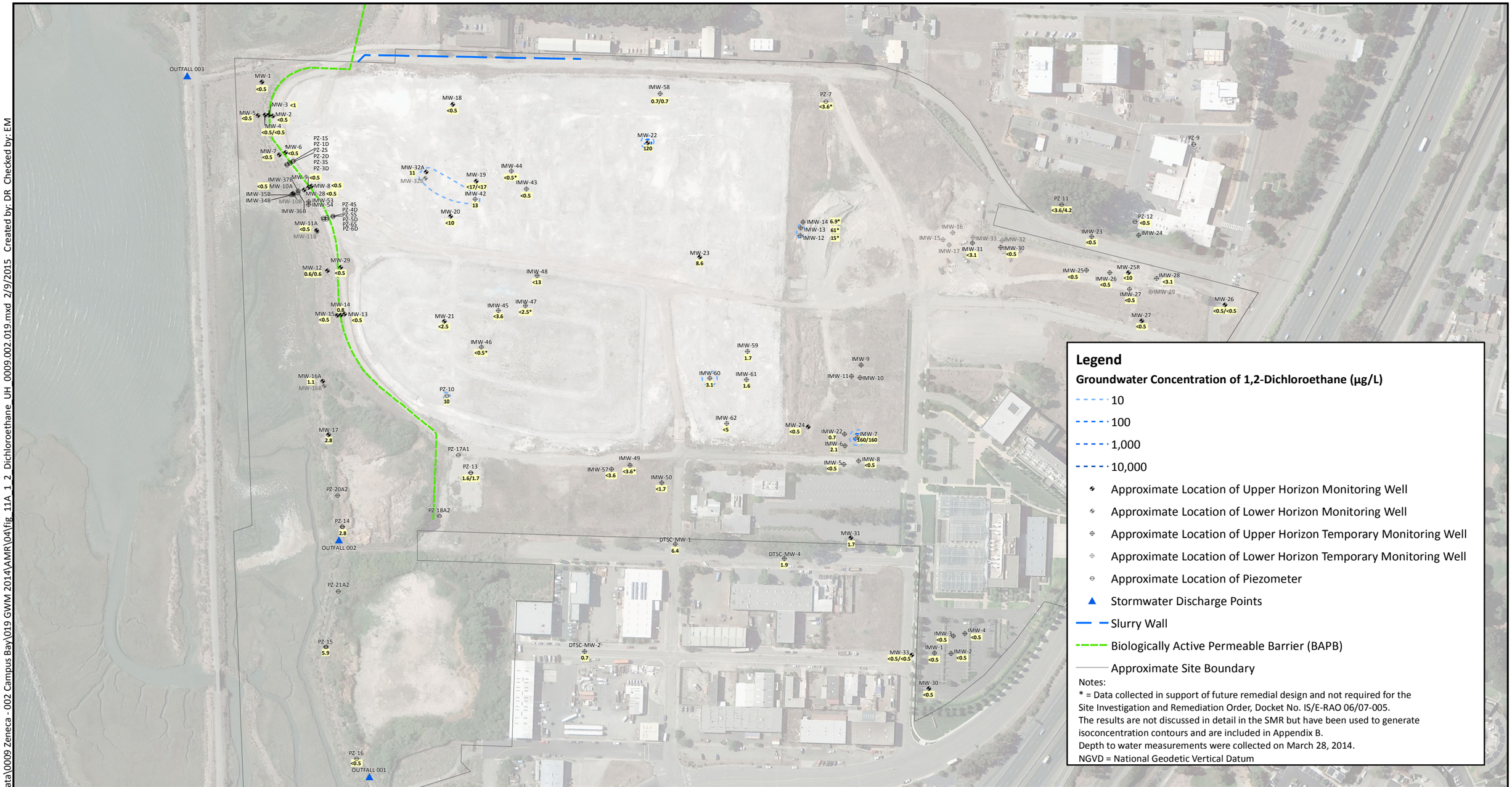
PROJECT NUMBER:	0009.002.019

Concentration of Vinyl Chloride in Lower Horizon Groundwater October 2014

FIGURE 10B

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\04\fig_11A_1_2_Dichloroethane_UH_0009.002.019.mxd 2/9/2015 Created by: DR Checked by: EM



Legend

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

- 10
- 100
- 1,000
- 10,000
- 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:
* = Data collected in support of future remedial design and not required for the Site Investigation and Remediation Order, Docket No. IS/E-RAO 06/07-005.
The results are not discussed in detail in the SMR but have been used to generate isoconcentration contours and are included in Appendix B.
Depth to water measurements were collected on March 28, 2014.
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

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CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Concentration of 1,2-Dichloroethane in Upper Horizon Groundwater April 2014

FIGURE 11A

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\10\fig_11B_1_2_Dichloroethane_UH_0009-002-019.mxd 2/9/2015 Created by: DR Checked by: EM

OUTFALL 003
MW-1 <0.5
MW-3 <1
MW-5 <0.5
MW-2 <0.5
MW-4 <0.5/<0.5
MW-6 0.5
MW-7 <0.5
PZ-1S PZ-1D PZ-2S PZ-2D PZ-3S PZ-3D
IMW-37B
MW-9 <0.5
MW-10A 2.3
MW-8 <0.5
IMW-35B
IMW-34B
MW-10B
MW-28 <0.5
IMW-53
IMW-54
IMW-36B
PZ-4S PZ-4D PZ-5S PZ-5D PZ-6S PZ-6D
MW-11A <0.5
MW-11B
MW-29 2.3
MW-12 <0.5/<0.5
MW-14 <0.5
MW-15 <0.5
MW-13 16
MW-16A 22
MW-16B
MW-17 1.5
PZ-14 2.5
OUTFALL 002
PZ-15 5
PZ-16 <0.5
OUTFALL 001
MW-18 <0.5
MW-32A 11
MW-32B
MW-19 <20/<20
IMW-42 20
IMW-44
IMW-43 <0.5
MW-20 <10
IMW-48 <5
IMW-45 <4.2
IMW-47
MW-21 <2.5
IMW-46
PZ-10 4.2
PZ-13 1.9/2.3
IMW-49
IMW-57 <3.6
IMW-50 1.5
DTSC-MW-1 5
DTSC-MW-2 0.7
DTSC-MW-4 1.9
IMW-58 23/23
MW-22 120
MW-23 9.8
IMW-59 1.1
IMW-60 12
IMW-61 6.1
IMW-62 <17
MW-24 <0.5
PZ-7
IMW-14
IMW-13
IMW-12
IMW-9
IMW-11
IMW-10
IMW-22 0.5
IMW-6 25
IMW-7 320/360
IMW-5 <0.5
IMW-8 <0.5
MW-31 2.6
MW-33 <0.5
IMW-3 <0.5
IMW-4 <0.5
IMW-1 <0.5
IMW-2 <0.5
MW-30 <0.5
PZ-9
PZ-11 <3.6/<2.5
PZ-12 <0.5
IMW-24
IMW-23 <0.5
IMW-16
IMW-15
IMW-17
IMW-33
IMW-32
IMW-31 <1.7
IMW-30 <0.5
IMW-25 <0.5
MW-25R <2.5
IMW-26 <0.5
IMW-28 <3.1
IMW-27 <1.7
IMW-29
MW-27 <0.5
MW-26 <0.5

Legend

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

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

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

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CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Concentration of 1,2-Dichloroethane in Upper Horizon Groundwater October 2014

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

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

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PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Concentration of 1,2-Dichloroethane in Lower Horizon Groundwater April 2014

FIGURE 12A

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\04\fig_12A_1_2_Dichloroethane_LH_0009.002.019.mxd 2/9/2015 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

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

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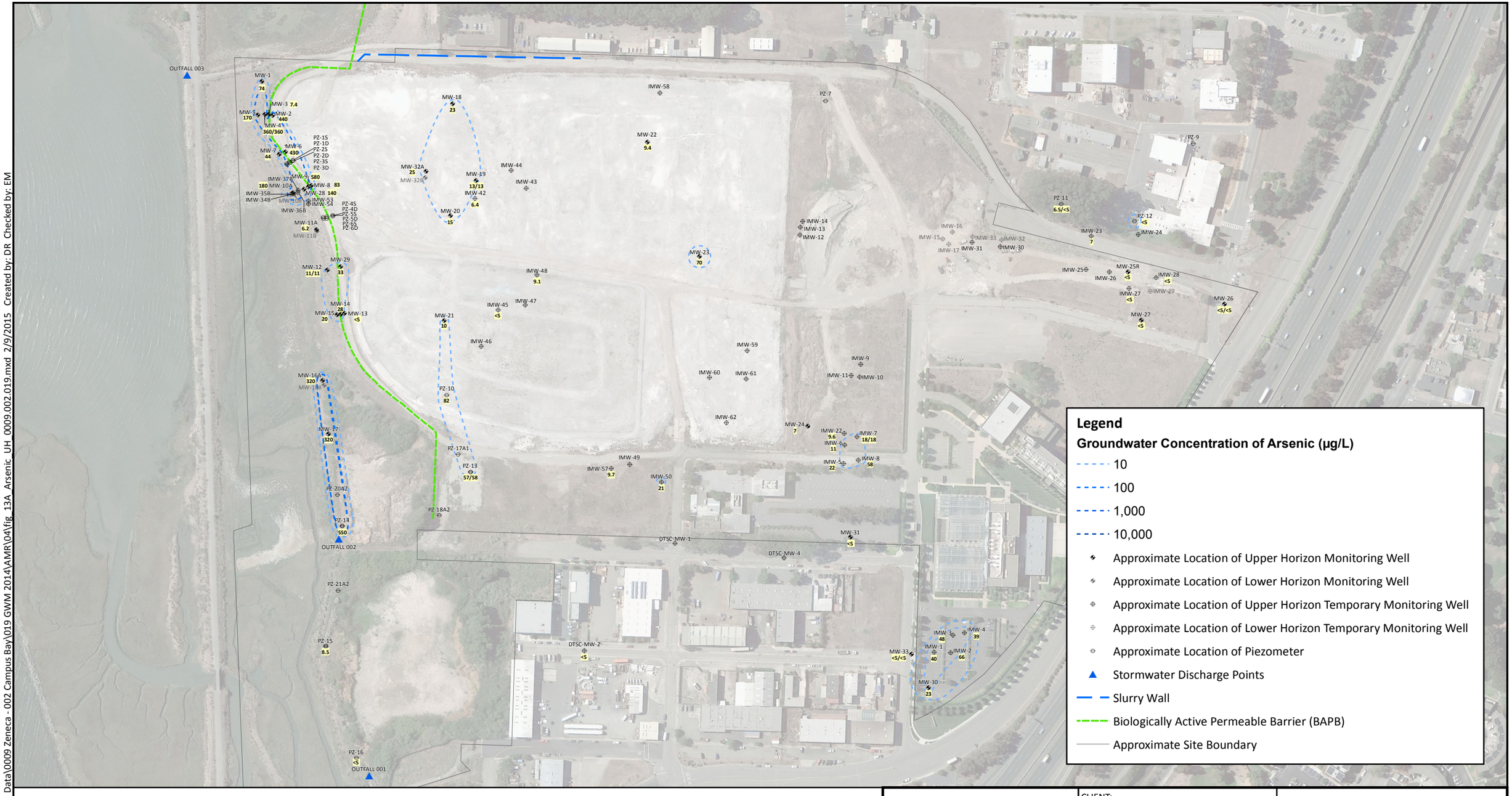
CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Concentration of 1,2-Dichloroethane in Lower Horizon Groundwater October 2014

FIGURE 12B

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\10\fig_12B_1_2_Dichloroethane_LH_0009-002-019.mxd 2/10/2015 Created by: DR Checked by: EM

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\04\fig_13A_Arsenic_UH_0009.002.019.mxd 2/9/2015 Created by: DR Checked by: EM



Legend

Groundwater Concentration of Arsenic (µg/L)

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

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

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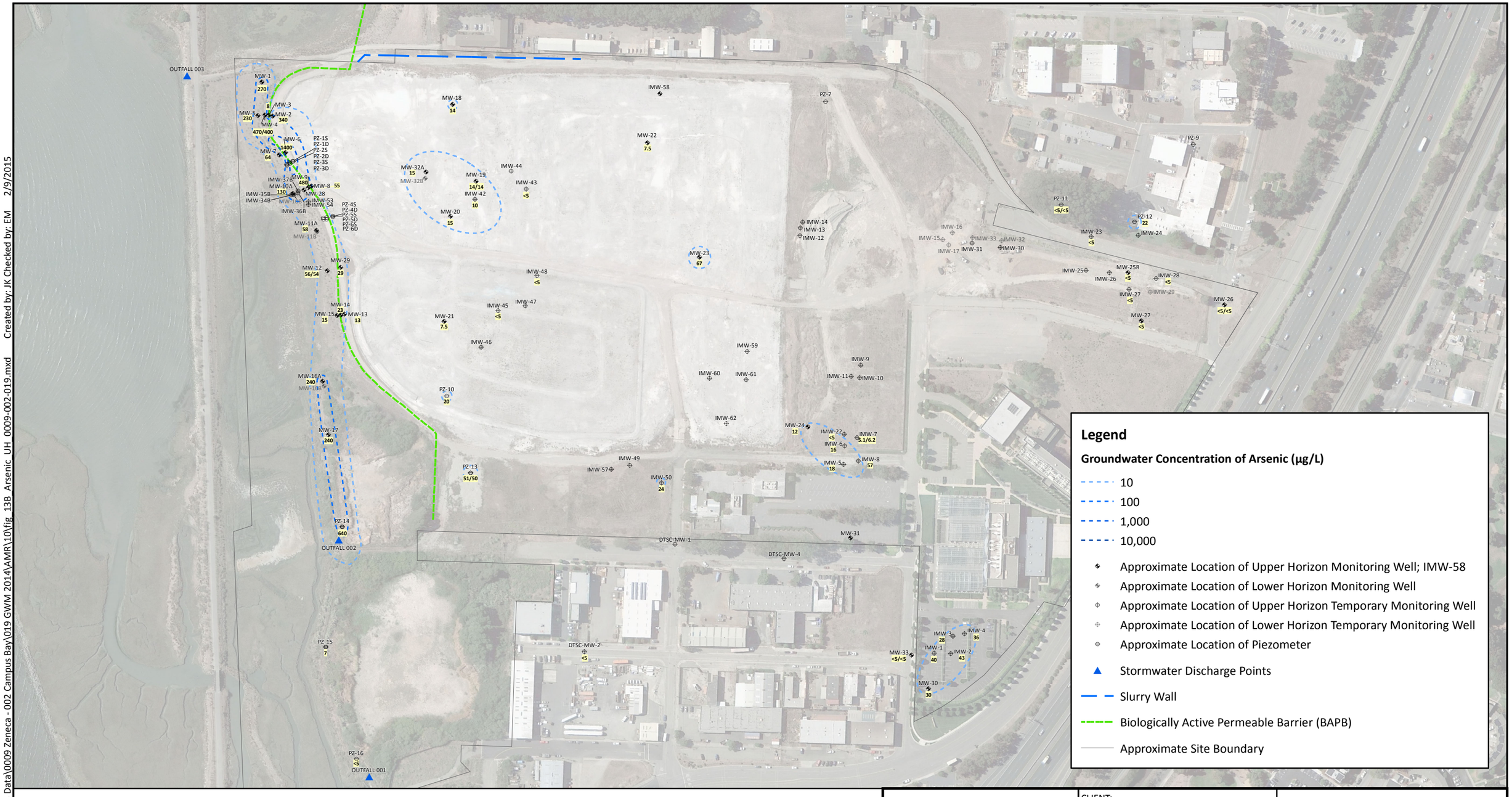
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Concentration of Arsenic in Upper Horizon Groundwater April 2014

FIGURE 13A

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\10\fig_13B_Arsenic_UH_0009-002-019.mxd Created by: JK Checked by: EM 2/9/2015



Legend

Groundwater Concentration of Arsenic (µg/L)

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

- Approximate Location of Upper Horizon Monitoring Well; IMW-58
- 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

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

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CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Concentration of Arsenic in Upper Horizon Groundwater Ocotber 2014

FIGURE 13B

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

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

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PROJECT NUMBER:	0009.002.019

Concentration of Arsenic in Lower Horizon Groundwater April 2014

FIGURE 14A

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\04\fig_14A_Arsenic_LH_0009.002.019.mxd 2/9/2015 Created by: DR Checked by: EM

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\10\fig_14B_Arsenic_LH_0009-002-019.mxd Created by: JK Checked by: EM 2/9/2015

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

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

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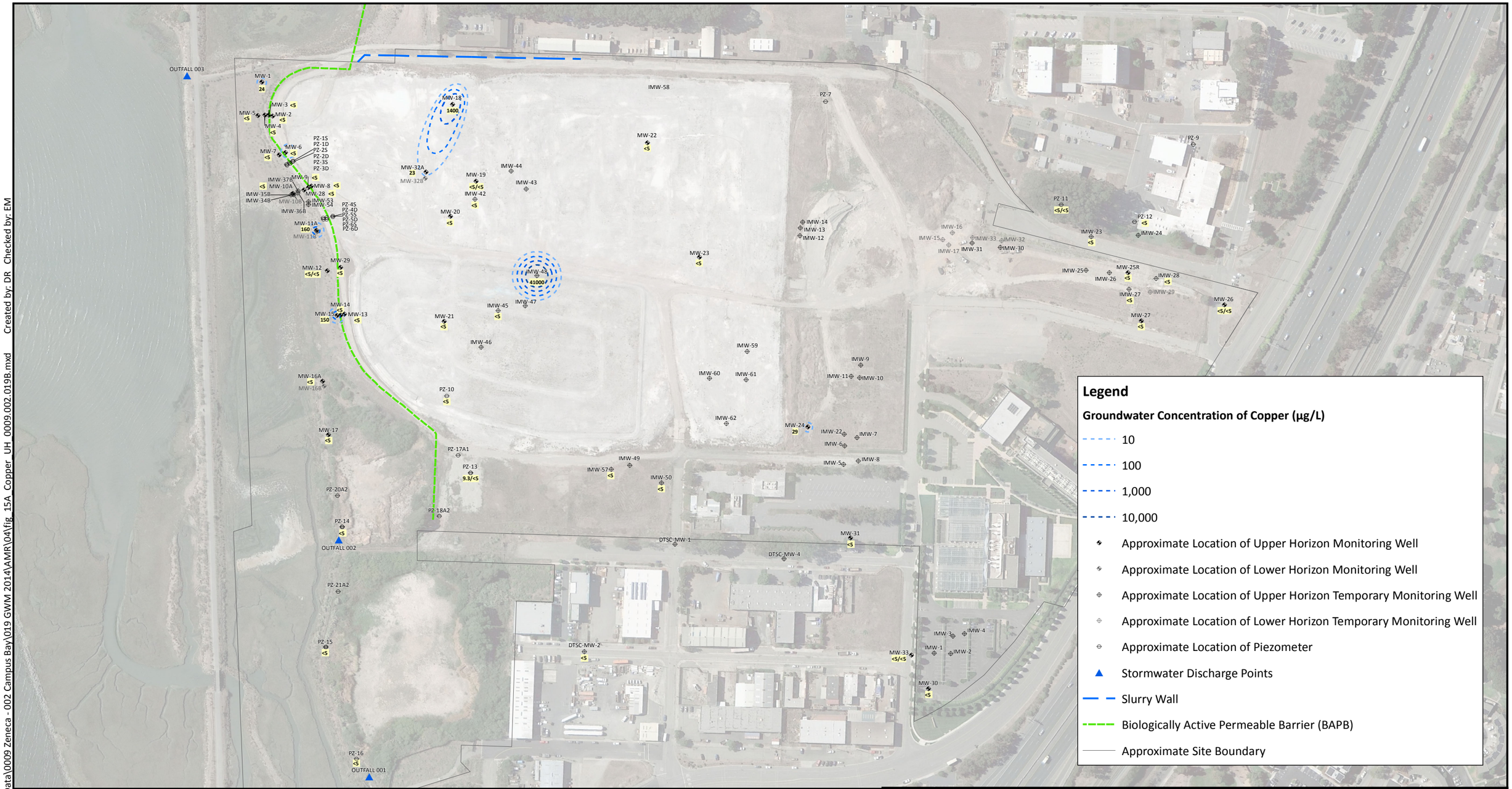
PROJECT NUMBER:	0009.002.019

Concentration of Arsenic in Lower Horizon Groundwater October 2014

FIGURE 14B

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\04\Fig_15A_Copper_UH_0009.002.019B.mxd Created by: DR Checked by: EM



Legend

Groundwater Concentration of Copper (µg/L)

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

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

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CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Concentration of Copper in Upper Horizon Groundwater April 2014

FIGURE 15A

File: I:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\10\fig_15B_Copper_UH_0009-002-019.mxd Created by: JK Checked by: EM 2/9/2015

OUTFALL 003
MW-1 <5
MW-3 <5
MW-5 <5
MW-2 <5
MW-4 <5/<5
MW-6 29
MW-7 <5
PZ-1S PZ-1D PZ-2S PZ-2D PZ-3S PZ-3D
MW-18 730
MW-32A 17
MW-32B
IMW-58
PZ-7
MW-22 <5
PZ-9
MW-19 <5/<5
IMW-44
IMW-43 <5
IMW-42 <5
IMW-37B
MW-10A <5
MW-9 <5
MW-8 <5
IMW-35B
IMW-34B
MW-10B
MW-28
IMW-53
IMW-54
IMW-36B
PZ-4S PZ-4D PZ-5S PZ-5D PZ-6S PZ-6D
MW-20 <5
MW-11A 18
MW-11B
IMW-14 IMW-13 IMW-12
MW-23 <5
PZ-11 <5/<5
PZ-12 <5
IMW-23 <5
IMW-24
IMW-16 IMW-15 IMW-17 IMW-31 IMW-33 IMW-32 IMW-30
IMW-25
MW-25R <5
IMW-26
IMW-28 <5
IMW-27 <5
IMW-29
MW-26 <5/<5
MW-27 <5
MW-29 <5
MW-12 <5/<5
MW-43 21000
IMW-47
IMW-45 <5
MW-14 <5
MW-15 <5
MW-13 <5
MW-21 <5
IMW-46
IMW-59
IMW-9
IMW-60
IMW-61
IMW-11
IMW-10
MW-16A <5
MW-16B
PZ-10 <5
IMW-62
MW-24 56
IMW-22
IMW-7
IMW-6
IMW-5
IMW-8
MW-17 <5
IMW-49
IMW-57
IMW-50 <5
PZ-13 <5/<5
PZ-14 <5
OUTFALL 002
DTSC-MW-1
MW-31
DTSC-MW-4
IMW-3
IMW-4
IMW-1
IMW-2
PZ-15 <5
DTSC-MW-2 <5
MW-33 <5/<5
MW-30 <5
PZ-16 <5
OUTFALL 001

Legend

Groundwater Concentration of Copper (µg/L)

- 10
- 100
- 1,000
- 10,000
- Approximate Location of Upper Horizon Monitoring Well; IMW-58
- 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

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

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CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Concentration of Copper in Upper Horizon Groundwater October 2014

FIGURE 15B

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

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

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PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Concentration of Copper in Lower Horizon Groundwater April 2014

FIGURE 16A

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\04\fig_16A_Copper_LH_0009.002.019.mxd 2/9/2015 Created by: DR Checked by: EM

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\10\fig_16B_Copper_LH_0009-002-019.mxd Created by: JK Checked by: EM 2/9/2015

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

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

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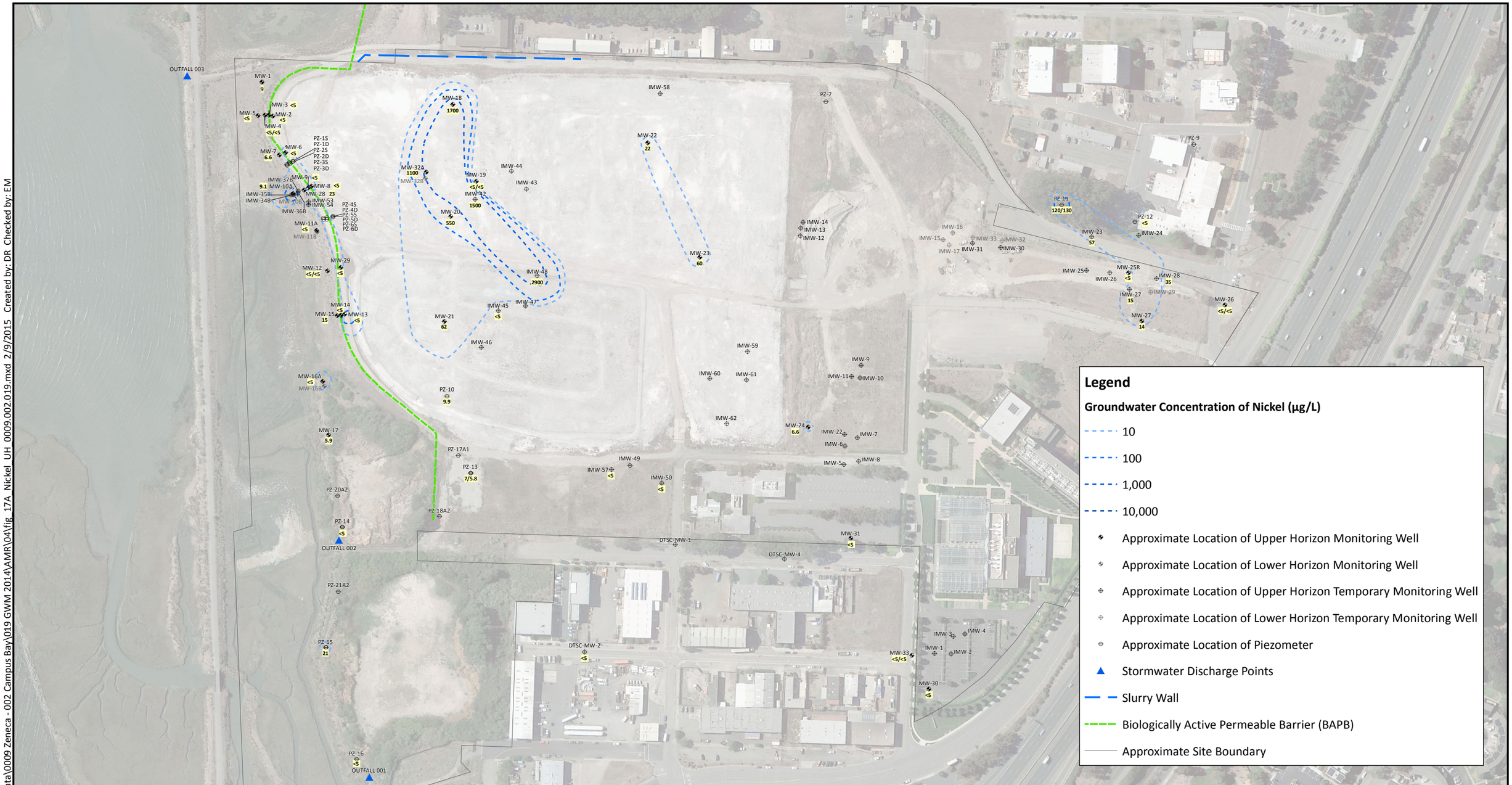
Concentration of Copper in Lower Horizon Groundwater October 2014

FIGURE 16B

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\04\fig_17A_Nickel_UH_0009.002.019.mxd 2/9/2015 Created by: DR Checked by: EM



Legend

Groundwater Concentration of Nickel (µg/L)

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

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

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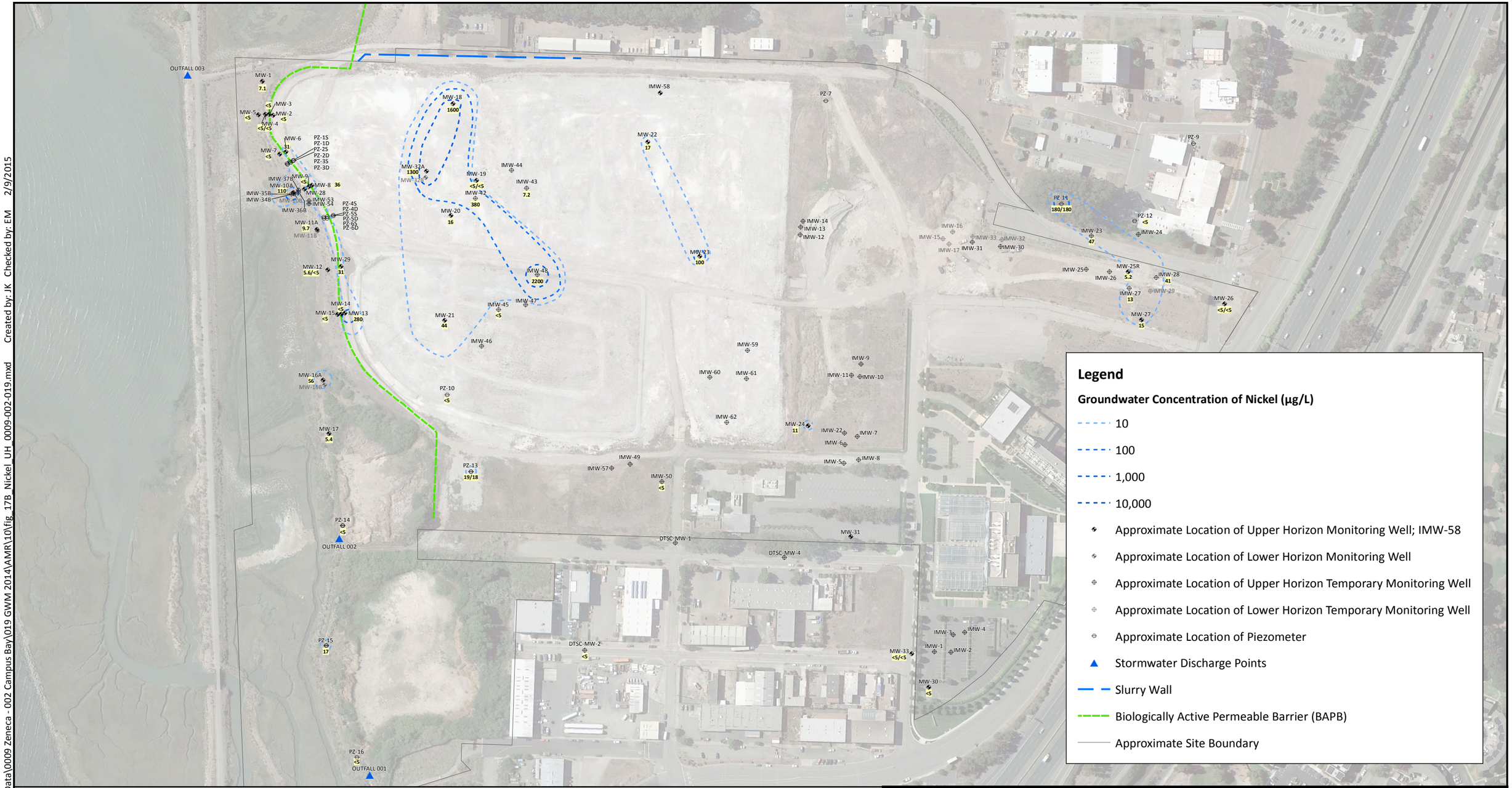
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Concentration of Nickel in Upper Horizon Groundwater April 2014

FIGURE 17A



Legend

Groundwater Concentration of Nickel (µg/L)

- 10
- 100
- 1,000
- 10,000
- Approximate Location of Upper Horizon Monitoring Well; IMW-58
- 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

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

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PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Concentration of Nickel in Upper Horizon Groundwater October 2014

FIGURE 17B

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\10\fig_17B_Nickel_UH_0009-002-019.mxd Created by: JK Checked by: EM 2/9/2015

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

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

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PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Concentration of Nickel in Lower Horizon Groundwater April 2014

FIGURE 18A

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\04\Fig_18A_Nickel_LH_0009.002.019.mxd 2/9/2015 Created by: DR Checked by: EM

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

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CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Concentration of Nickel in Lower Horizon Groundwater October 2014

FIGURE 18B

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\04\Fig_19A_Zinc_UH_0009.002.019.mxd 2/9/2015 Created by: DR Checked by: EM

Legend

Groundwater Concentration of Zinc (µg/L)

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

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

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CLIENT:	Zeneca, Inc.
PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Concentration of Zinc in Upper Horizon Groundwater April 2014

FIGURE 19A

File: J:\GIS Backup\GIS Data\0009 Zeneca - 002 Campus Bay\019 GWM 2014\AMR\10\fig_19B_Zinc_UH_0009-002-019.mxd Created by: JK Checked by: EM 2/9/2015

OUTFALL 003
OUTFALL 002
OUTFALL 001

MW-1 43
MW-3 <20
MW-5 <20
MW-2 <20
MW-4 <20/<20
MW-6 110
MW-7 <20
PZ-1S PZ-1D PZ-2S PZ-2D PZ-3S PZ-3D
MW-9 <20
MW-8 2900
IMW-37B IMW-10A 47
IMW-35B IMW-34B
MW-28
IMW-53 IMW-54
IMW-36B
PZ-4S PZ-4D PZ-5S PZ-5D PZ-6S PZ-6D
MW-11A 740
MW-11B
MW-18 5400
MW-32A 4300
MW-32B
MW-19 <20/<20
IMW-42 <20
IMW-44
IMW-43 <20
MW-20 66
MW-29 2700
MW-12 47/47
IMW-48 22000
MW-23 4000
IMW-47
IMW-45 <20
MW-14 <20
MW-15 <20
MW-13 6600
MW-21 220
IMW-46
MW-16A <20
MW-16B
PZ-10 27
MW-17 <20
PZ-13 <20/<20
IMW-49
IMW-57
IMW-50 <20
PZ-14 <20
PZ-15 <20
PZ-16 <20
IMW-58
MW-22 <20
PZ-7
IMW-14 IMW-13 IMW-12
IMW-59
IMW-60
IMW-61
IMW-9 IMW-11 IMW-10
IMW-62
MW-24 <20
IMW-22 IMW-7 IMW-6 IMW-5 IMW-8
DTSC-MW-1
DTSC-MW-4
DTSC-MW-2 <20
MW-31
MW-33 <20/<20
IMW-3 IMW-4 IMW-1 IMW-2
MW-30 <20
PZ-11 590/580
PZ-9
PZ-12 <20
IMW-23 <20
IMW-24
IMW-16 IMW-15 IMW-17 IMW-31 IMW-33 IMW-32 IMW-30
IMW-25
MW-25R <20
IMW-26
IMW-28 <20
IMW-27 <20
IMW-29
MW-26 <20/<20
MW-27 <20

Legend

Groundwater Concentration of Zinc (µg/L)

- 10
- 100
- 1,000
- 10,000
- Approximate Location of Upper Horizon Monitoring Well; IMW-58
- 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

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

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PROJECT:	Campus Bay Richmond, CA
PROJECT NUMBER:	0009.002.019

Concentration of Zinc in Upper Horizon Groundwater October 2014

FIGURE 19B

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

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PROJECT NUMBER:	0009.002.019

Concentration of Zinc in Lower Horizon Groundwater April 2014

FIGURE 20A

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Legend

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

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

0 125 250 375 500 Feet

1 Inch = 250 Feet

N

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Concentration of Zinc in Lower Horizon Groundwater October 2014

FIGURE 20B