

HTW BCT Meeting, March 14, 2019

Table 1: Sites 2/12 GWTP and SVTU Statistics as of February 28, 2019

Monthly Statistics	Volume Treated	Average Flow	Percent of Time Online	COC Mass Removed (pounds)
February 2019 GWTP	4,450,925 gal	110 gpm	83	0.20
Total since April 1999	2.061 billion gal			486
February 2019 SVTU	6,969,600 scf	440 scfm	37	0.01
Total since September 2015	1.330 billion scf			9.7

Table 2: February 2019 – Sites 2/12 Treated Water Analytical Results at TS-212-INJ

COC	Discharge Limit (µg/L) ²	Sample Date / Analytical Results
		2/6/2019
1,1-Dichloroethene (1,1-DCE)	6.0	ND (0.25)
1,2-Dichloroethane (1,2-DCA)	0.50	ND (0.25)
1,3-dichloropropene (1,3-DCP) ¹	0.50	ND (0.25)
Chloroform	2.0	ND (0.25)
cis-1,2-dichloroethene (cis-1,2-DCE)	6.0	ND (0.25)
Tetrachloroethene (PCE)	5.0	ND (0.25)
Trichloroethene (TCE)	5.0	ND (0.25)
Vinyl Chloride (VC)	0.10	ND (0.05)

Notes:

¹The reported value is the sum of both cis- and trans-isomers.

²Discharge limits are the ACLs for injection over the plume.

J: Estimated results below the limit of quantitation (LOQ).

ND: The analyte was not detected at or above the limit of detection (LOD).

gpm: gallon(s) per minute

gal: gallon(s)

COC: chemical of concern

NS: Not sampled

scf: standard cubic foot or feet

scfm: standard cubic feet per minute

µg/L: micrograms per liter

Results in gray are ND

February 2019 Key Events for Sites 2/12

- February 7: Resume automatic operation of Sites 2/12 GWTP after SCADA connection restored.
- February 11: Shut down Sites 2/12 SVETS for rebound study.
- February 25-26: First Quarter 2019 soil gas probe sampling, including rebound study.
- February 27: SVETS online for 30 minutes for First Quarter 2019 rebound study SVE sampling at VE-12-06 and VE-12-09.

March 2019 Key Events for Sites 2/12

- March 4-9: First Quarter 2019 GWM sampling.
- Troubleshoot GWTP SCADA/antenna communications issues as needed.



Table 3. Sites 2/12 Select Groundwater Extraction/Monitoring Well Data

Well Identification ³	Select COC Concentrations (µg/L) ⁴			
	3Q 2018	4Q 2018	3Q 2018	4Q 2018
	TCE		PCE	
ACL:	5.0		5.0	
EW-12-03-180M	2.0	1.8	0.12 J	0.42 J
EW-12-05-180M	2.4	2.1	0.82	0.81
EW-12-07-180M	2.5	2.0	0.47 J	0.47 J
EW-12-08-180U	0.52	0.58	12.3	18.2
MW-12-09R-180	2.8	0.87	0.41 J	0.32 J
MW-12-14-180M	3.0	1.7	0.42 J	0.32 J
MW-12-16-180M	1.4	0.83	ND (0.25)	ND (0.25)
MW-12-20-180U	0.15 J	0.17 J	7.7	20.0 J-
MW-12-21-180U	ND (0.25)	ND (0.25)	0.49 J	0.55
MW-12-24-180U	ND (0.25)	0.12 J	0.60	2.0
MW-12-28-180U	ND (0.25)	ND (0.25)	0.32 J	0.39 J
MW-12-32-180U	0.48 J	0.58	0.41 J	0.54

Notes:

¹ The reported value is the sum of both cis- and trans-isomers.

² Discharge limits are the ACLs for injection over the plume.

³ Extraction wells not listed have met the QAPP decision rules to no longer operate.

⁴ Concentration in **bold** and shaded exceeds the Aquifer Cleanup Level (ACL). Concentrations in gray text are ND.

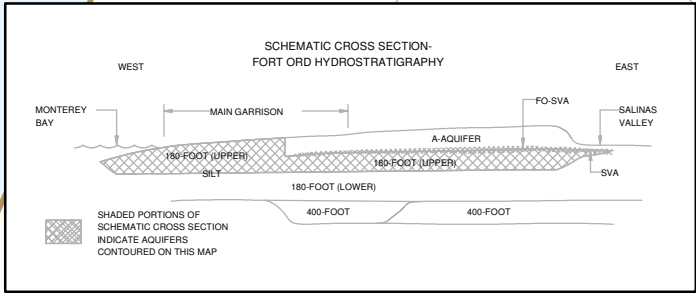
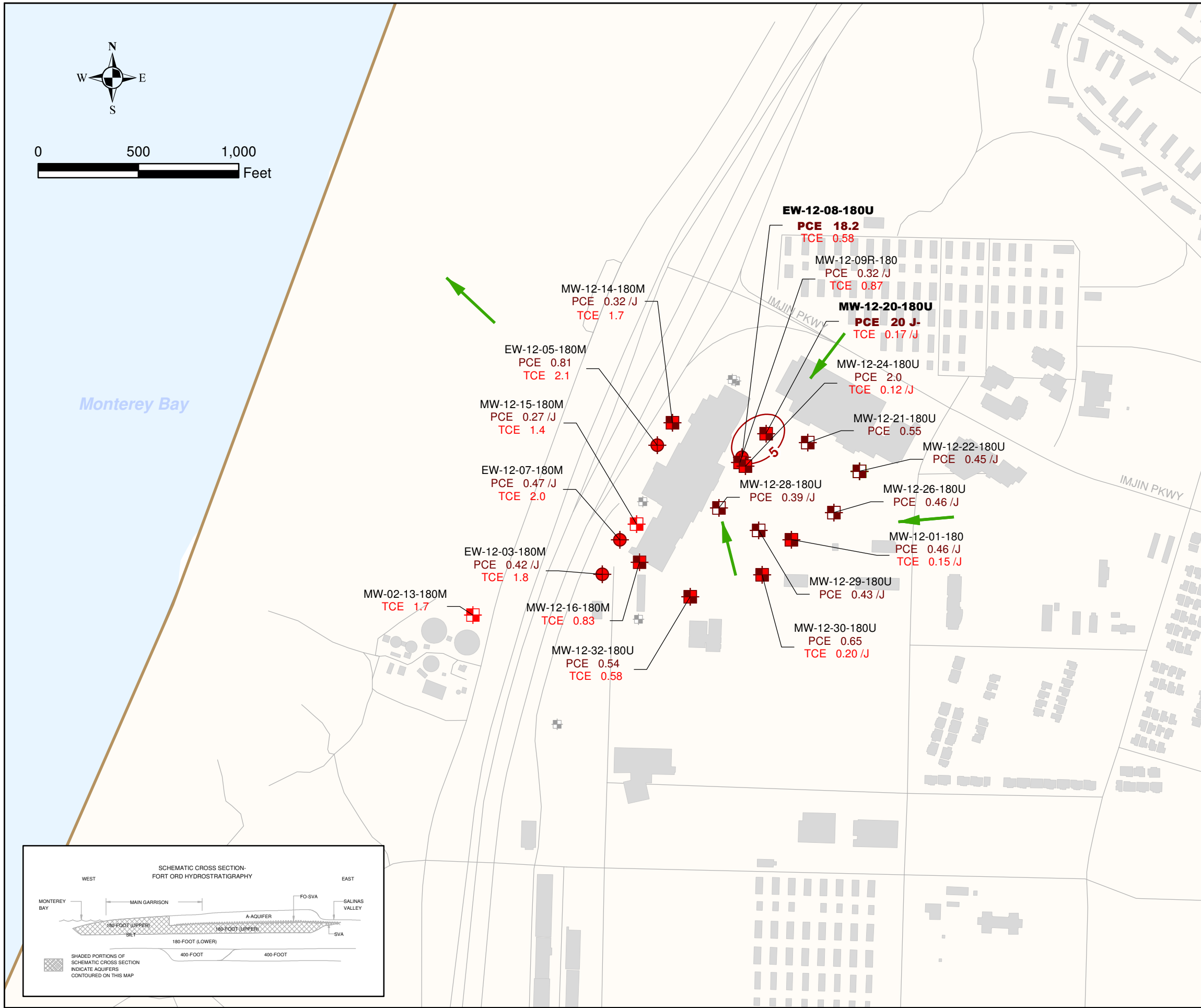
J: Estimated results below the limit of quantitation (LOQ)

ND: The analyte was not detected at or above the limit of detection (LOD)

COC: chemical of concern

µg/L: micrograms per liter

Wednesday, February 06, 2019 11:58:37 AM thomas.hunt
 P:\8418191360_FortOrd\GIS\4018191360_Site2_12_GMR\Figure12_TCE-PCE-COC_Site2-12_1804.mxd



EXPLANATION

- Monitoring Well with TCE Detection, and No ACL Exceedances by Other COCs
- Monitoring Well with PCE Detection and No Exceedances by other COCs
- Monitoring Well with TCE and PCE Detection
- Extraction Well with TCE and PCE Detection
- Monitoring Well with COC ACL exceedance (not TCE or PCE)
- Well ID - Bold When ACL Exceeded**
 (* Indicates: Sample result not used for contouring)
 TCE and/or PCE concentration (µg/L) with validation/lab qualifier.
 Bold when exceeds the ACL.
- Monitoring Well - TCE or PCE not detected and no other COC ACL exceedances
- Monitoring Well not sampled this quarter
- Extraction Well not sampled this quarter
- Chemical of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in µg/L**
- 5 Tetrachloroethene (PCE)
- General Groundwater Flow Direction
- Roads
- Facilities
- Former Fort Ord Boundary

- NOTES:**
- (1) Samples were collected between December 11 and 19, 2018.
 - (2) Contours are based on one interpretation of the data that were available at the time this report was prepared; other interpretations may be possible.
 - (3) Contours based on highest value obtained from multiple bags where applicable.
 - (4) Other COC ACL exceedances detected beyond the extent of the PCE plume are illustrated when present.

GROUNDWATER PCE/TCE CONCENTRATIONS AND OTHER COC ACL EXCEEDANCES - UPPER 180-FOOT AQUIFER
 FOURTH QUARTER 2018
 Sites 2 and 12, Fourth Quarter 2018
 Groundwater and Soil Gas Monitoring and Treatment System Report, Former Fort Ord, California

	By: TJH	Project No. 8418191360
	Date: 02/06/2019	Figure 12