Former Fort Ord Sites 2 and 12 Data and Status

HTW BCT Meeting, January 9, 2019

Table 1: Sites 2/12 GWTP and SVTU Statistics as of December 31, 2018

Monthly Statistics	Volume Treated	Average Flow	Percent of Time Online	COC Mass Removed (pounds)
December 2018 GWTP	1,158,854 gal	26 gpm	27.2	0.07
Total since April 1999	2.053 billion gal			485
December 2018 SVTU	23,647,260	497 scfm	99.7	0.05
Total since September 2015	1.303 billion scf			9.6

Table 2: December 2018 – Sites 2/12 Treated Water Analytical Results at TS-212-INJ

COC	Discharge Limit (µg/L)[2]	Sample Date / Analytical Results	
		12/3/2018	12/24/2018
1,1-Dichloroethene (1,1-DCE)	6.0	ND (0.25)	ND (0.25)
1,2-Dichloroethane (1,2-DCA)	0.50	ND (0.25)	ND (0.25)
1,3-dichloropropene (1,3-DCP)[1]	0.50	ND (0.25)	ND (0.25)
Chloroform	2.0	ND (0.25)	ND (0.25)
cis-1,2-dichloroethene (cis-1,2-DCE)	6.0	ND (0.25)	ND (0.25)
Tetrachloroethene (PCE)	5.0	0.18 J	ND (0.25)
Trichloroethene (TCE)	5.0	0.11 J	ND (0.25)
Vinyl Chloride (VC)	0.10	ND (0.05)	ND (0.25)

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.
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

December 2018 Key Events for Sites 2/12

- Manual 2/12 GWTS operations during OU2 transition period.
- December 10-14: Fourth Quarter 2018 groundwater monitoring event.

January 9019 Key Events for Sites 2/12

- Return to automatic fulltime 2/12 GWTS operations once connected to OU2 SCADA system.

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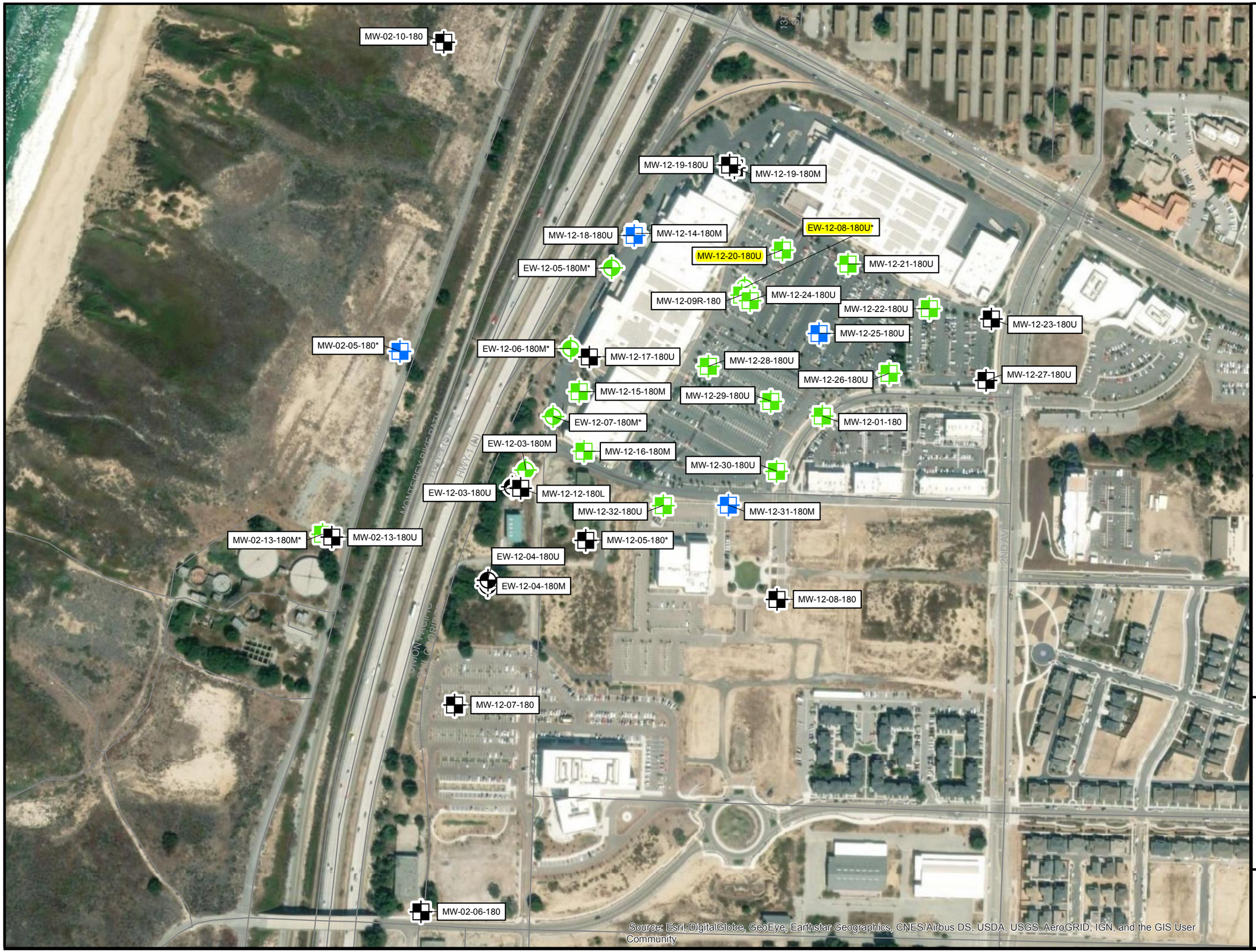
Table 3. Sites 2/12 Select Groundwater Extraction/Monitoring Well Data

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		0.82	
EW-12-07-180M	2.5		0.47 J	
EW-12-08-180U	0.52		**12.3**	
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**
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
* Preliminary data



Legend

Roads

Sites 2/12 Wells 2018-3Q

Well Type and Sample Schedule

- Extraction Well - Quarterly VOCs
- Monitoring Well - Quarterly VOCs
- Monitoring Well - Annual VOCs
- Extraction Well - Water Levels
- Monitoring Well - Water Levels

*Annual chloride sample collected

N

0 100 200 400 Feet

Sites 2/12 Groundwater Monitoring Program Sampling Locations

Quality Assurance Project Plan
Former Fort Ord, California
Volume 1, Appendix A, Revision 7
Groundwater Remedies and Monitoring
at Operable Unit 2, Sites 2 and 12,
and Operable Unit Carbon Tetrachloride Plume

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Figure: **2**