

Remedial Summary

- **A-Aquifer:**
 - **8 COCs:** 1,1-DCE; Total 1,2-DCE; CT; chloroform; methylene chloride; PCE; TCE; and VC.
 - **Remediation:** EISB.
- **Upper 180-Foot Aquifer:**
 - **1 COC:** CT
 - **Remediation:** Pump and treat with GAC at OU2 GWTP since 2011. Operation split the single plume in half. However, CT never detected above the ACL at EW-OU2-09-180.
- **Lower 180-Foot Aquifer:**
 - **2 COCs:** 1,2-DCA and CT. TCE monitored also.
 - **Remediation:** MNA with supply wellhead treatment contingency.
- **Monitoring:** Quarterly groundwater monitoring and reporting, including annual 3Q monitoring and reports. Described in the most recent Groundwater QAPP.

Jan-Apr Key Events

- Feb 12-16: First Quarter 2024 GWMP event.
- Feb 26: Video log EW-OU2-09-180. Well screen compromised.

Future Key Events

- May 13-17: Second Quarter 2024 GWMP event.
- June: Start installation of one extraction well in the Upper 180-Foot Aquifer EW-OU2-13-180 (work plan/QAPP in Draft Final).
- Install three monitoring wells in the A-Aquifer Hydraulic Zone 5 (work plan final).
- EW-OU2-09-180 remains offline.

GWM COC Summary

Table 1: OUCTP GWM Summary – A-Aquifer

Quarter	1,1-DCE	T 1,2-DCE	CT	Chloroform	Methylene Chloride	PCE	TCE	VC
2024-1Q	ND	<ACL	>ACL	<ACL	<ACL	<ACL	<ACL	ND
2023-4Q	ND	<ACL	>ACL	<ACL	ND	<ACL	<ACL	>ACL
2023-3Q	ND	<ACL	>ACL	<ACL	ND	<ACL	<ACL	ND
2023-2Q	ND	<ACL	>ACL	<ACL	ND	<ACL	<ACL	ND
Max COC/ACL Ratio	-	-	6	-	-	-	-	4
Hydraulic Zone	-	-	4	-	-	-	-	2

Notes:

*Preliminary data
 >: greater than
 <: less than
 ACL: Aquifer Cleanup Level
 1,1-DCE: 1,1-dichloroethene
 T 1,2-DCE: total 1,2-dichloroethene
 1,2-DCA: 1,2-dichloroethane
 CT: carbon tetrachloride
 TCE: trichloroethene
 PCE: tetrachloroethene
 VC: vinyl chloride
 ND: The analyte was not detected above the detection limit.

Table 2: OUCTP GWM Summary – Upper 180-Foot Aquifer

Quarter	CT
2024-1Q	>ACL
2023-4Q	>ACL
2023-3Q	>ACL
2023-2Q	>ACL
Max COC/ACL Ratio	8
Hydraulic Zone	6

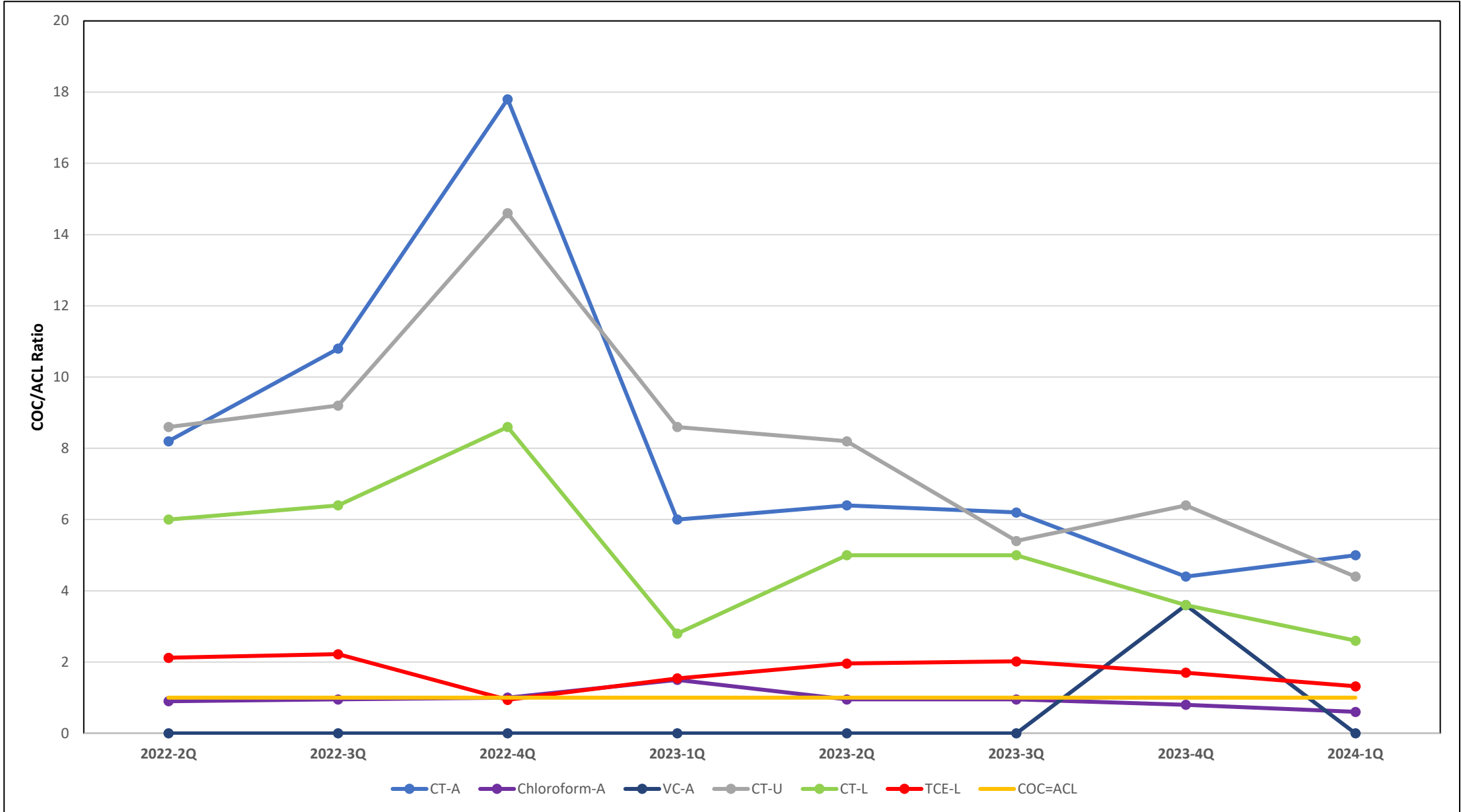
Table 3: OUCTP GWM Summary – Lower 180-Foot Aquifer

Quarter	CT	TCE	1,2-DCA
2024-1Q	>ACL	>MCL	ND
2023-4Q	>ACL	>MCL	ND
2023-3Q	>ACL	>MCL	ND
2023-2Q	>ACL	>MCL	ND
Max COC/ACL Ratio	5	2	-
Hydraulic Zone	7	N/A	-

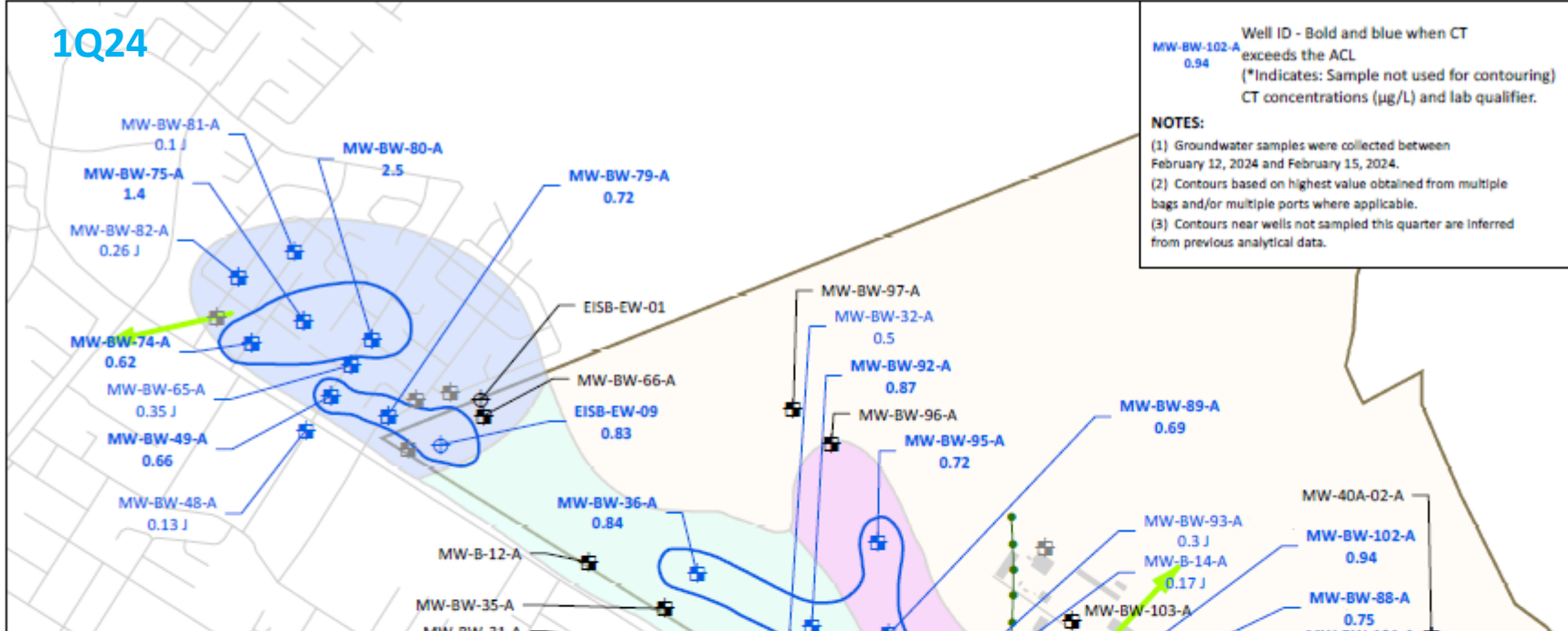
2 COCs in the A-Aquifer, 1 in the Upper 180-Foot Aquifer, and 2 in the Lower 180-Foot Aquifer above the ACLs/MCLs.



Max Quarterly COC/ACL Ratio Trend



1Q24



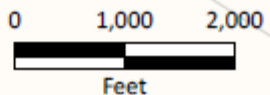
EXPLANATION

- General groundwater flow direction
- Roads
- Facilities
- Approximate location of the A-Aquifer groundwater divide
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary
- Lexington Court source area

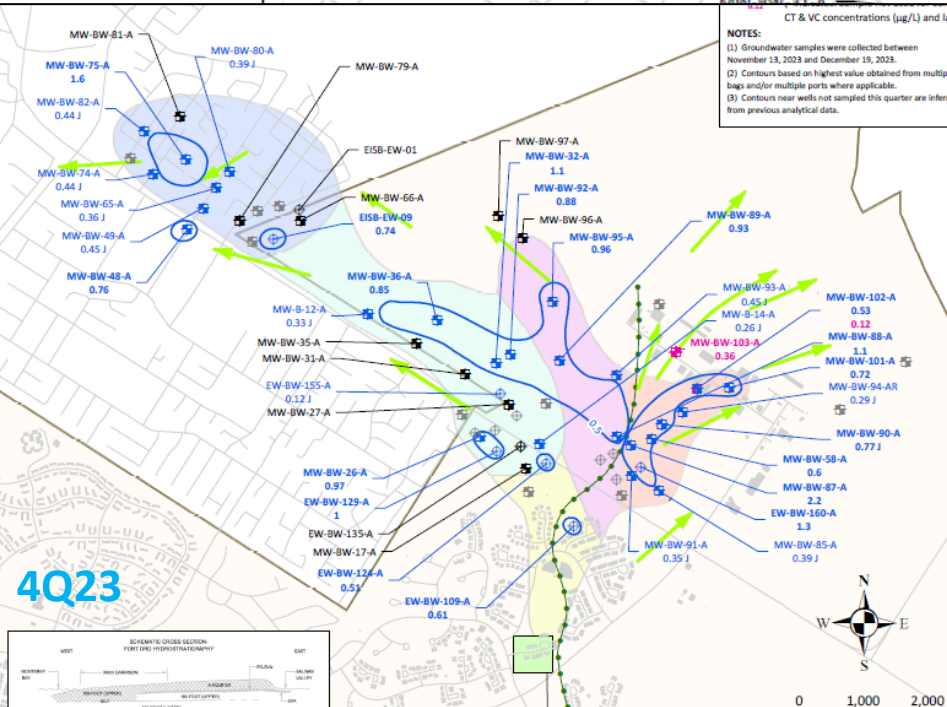
- Well Type and COC Detection**
- Extraction well with carbon tetrachloride (CT) detection and no other COC ACL exceedance
 - Extraction well with non-detect (ND) for CT detection and no other COC ACL exceedance
 - Extraction well not sampled in 1st quarter
 - Monitoring well with CT detection
 - Monitoring well ND for CT and no other COC ACL exceedance
 - Monitoring well not sampled in 1st quarter

Chemical of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in µg/L.

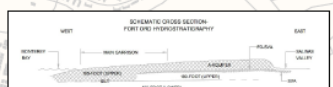
- 0.5 — Carbon tetrachloride (CT) plume extent
- OUCTP A-Aquifer Hydraulic Zone**
- 1
- 2
- 3
- 4
- 5



CT CONCENTRATIONS
 A-AQUIFER
 FIRST QUARTER 2024
 Operable Unit Carbon Tetrachloride Plume
 First Quarter 2024 Groundwater Monitoring Report
 Former Fort Ord, California

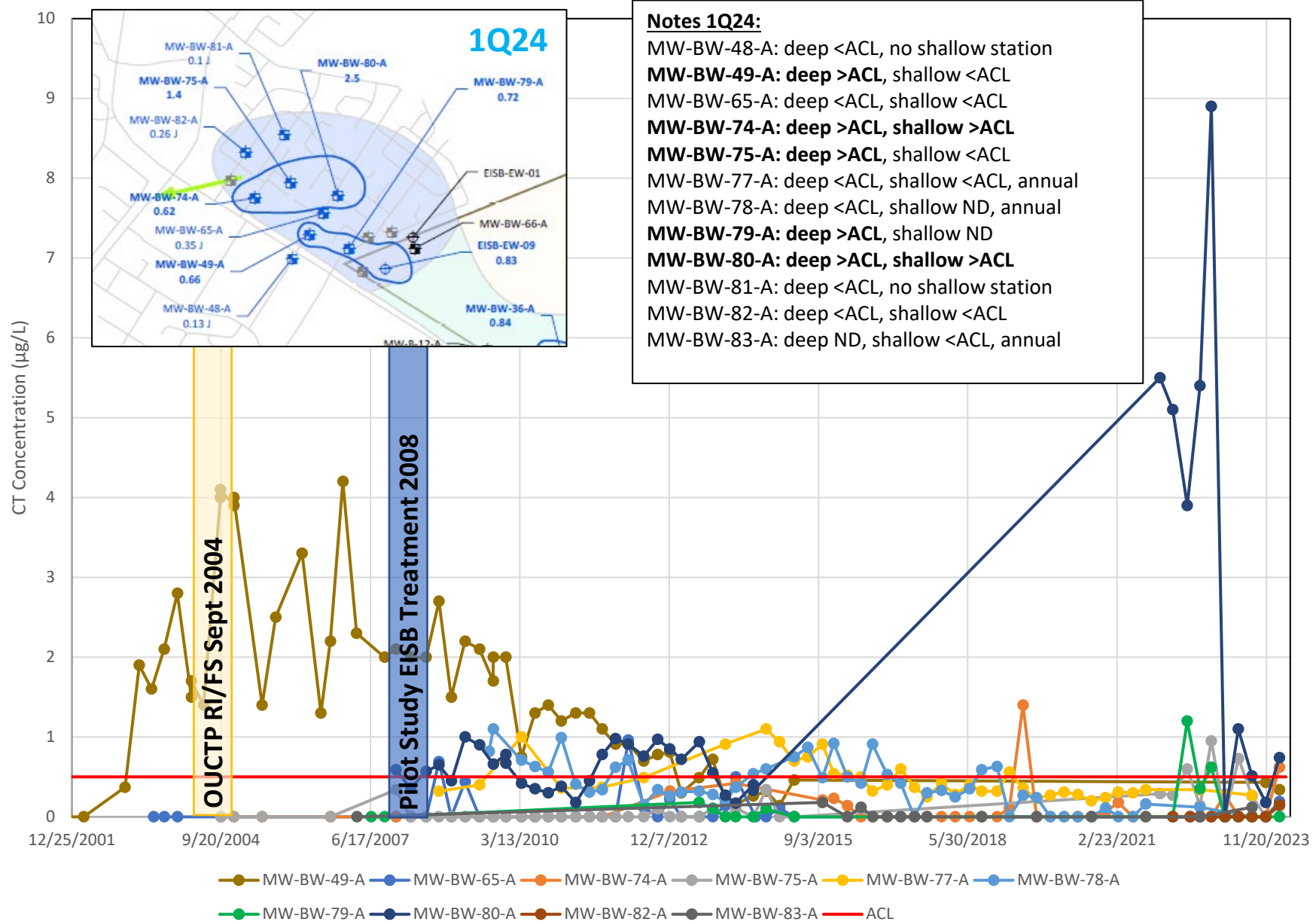


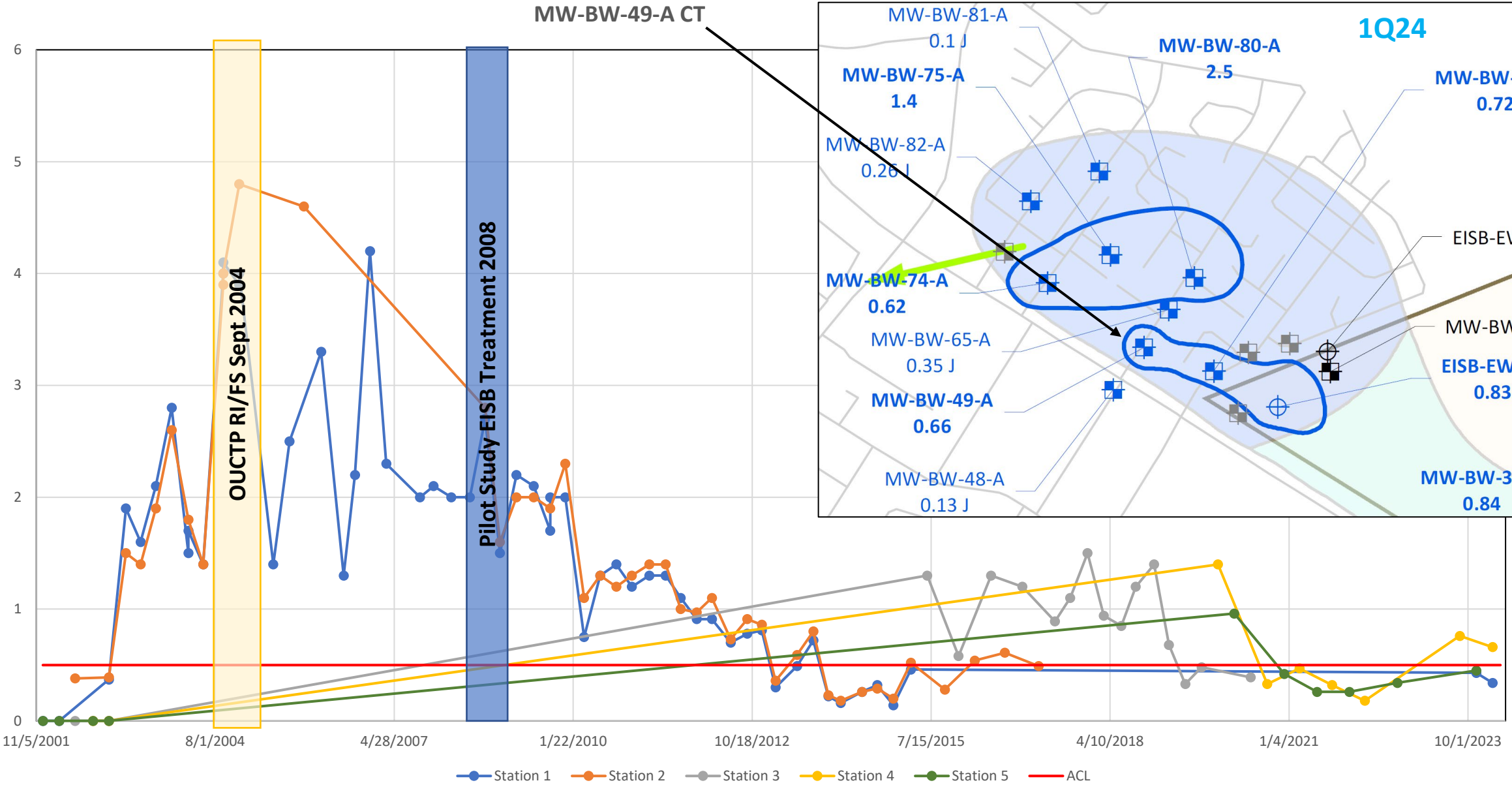
4Q23



Lexington Court Source Area

CT Shallow Stations: City of Marina HZ 5





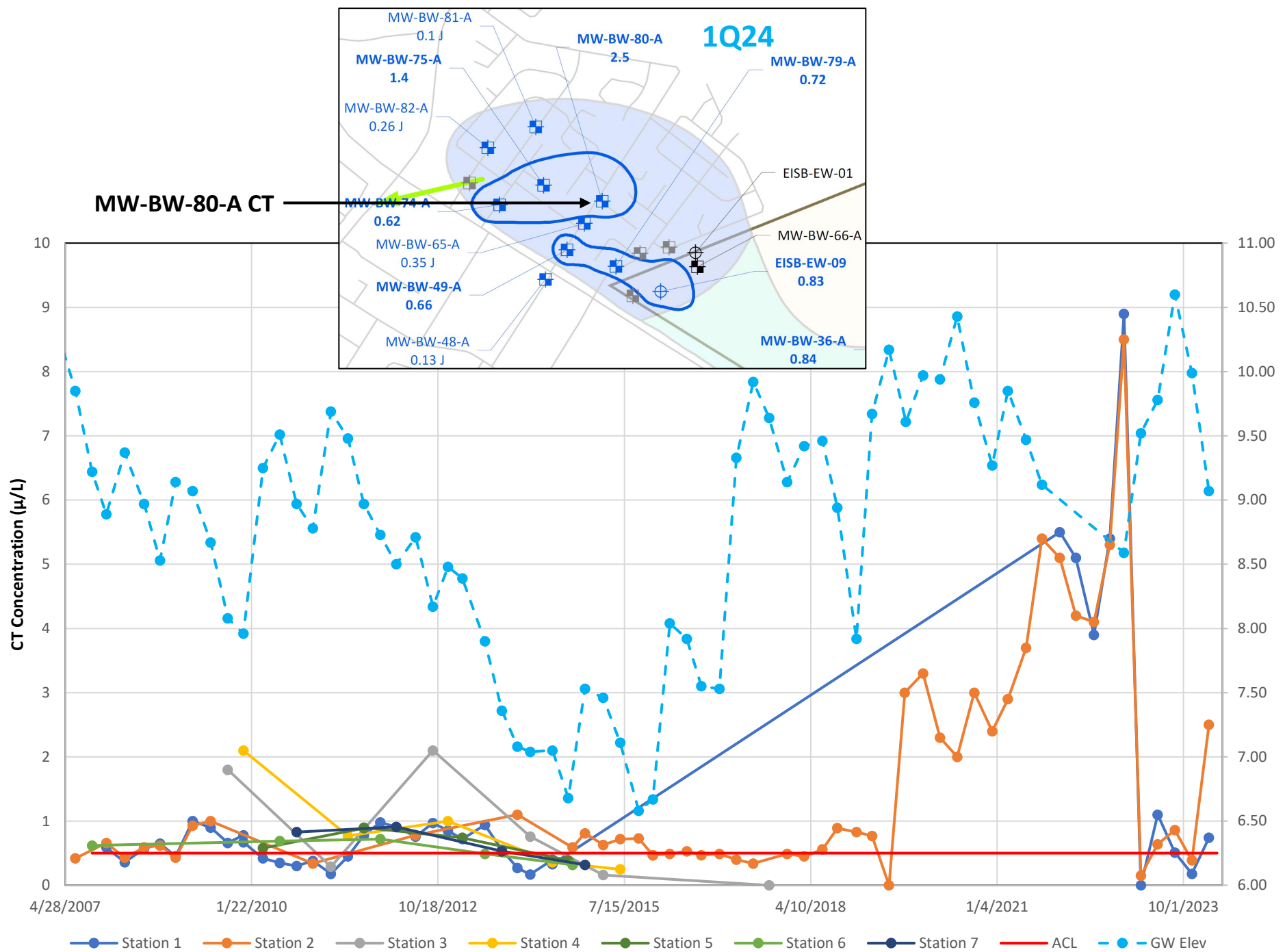


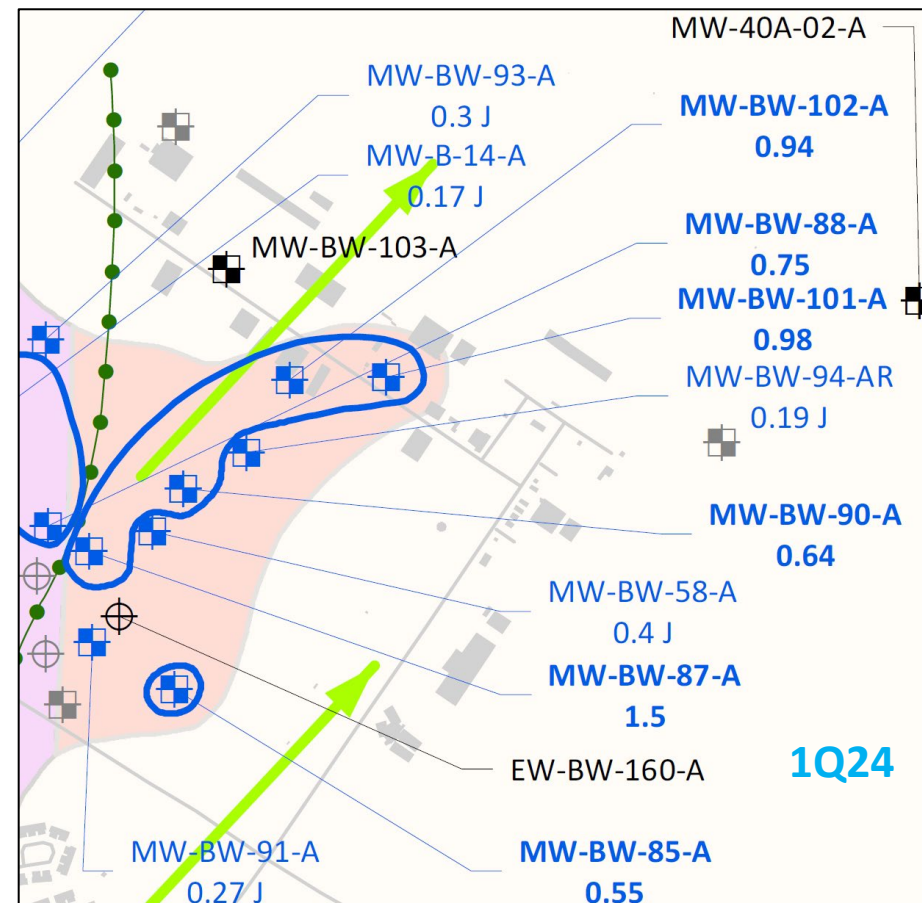
Table 4: New OUCTP A-Aquifer Wells Profile Summary^

Well ID	Quarter	CT	Chloroform	VC	TCE
MW-BW-101-A	4Q23	ND	ND	ND	ND
		0.63	0.12 J	ND	ND
		0.71	0.12 J	ND	ND
MW-BW-102-A	4Q23	0.72	0.12 J	ND	ND
		0.98	0.12 J	ND	ND
		0.29 J	0.12 J	ND	ND
MW-BW-103-A	4Q23	0.54	0.17 J	0.13	ND
		0.53	0.17 J	0.11	ND
		0.39 J	0.17 J	0.12	ND
		0.27 J	0.17 J	0.097 J	ND
		0.94	0.21 J	ND	ND
MW-40A-02-A	1Q24	ND	ND	ND	0.14 J
		ND	ND	ND	0.20 J
		ND	ND	ND	0.15 J

Notes:

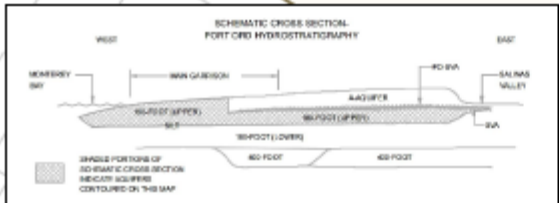
*Preliminary data

^Sample results are listed in order from shallowest to deepest stations

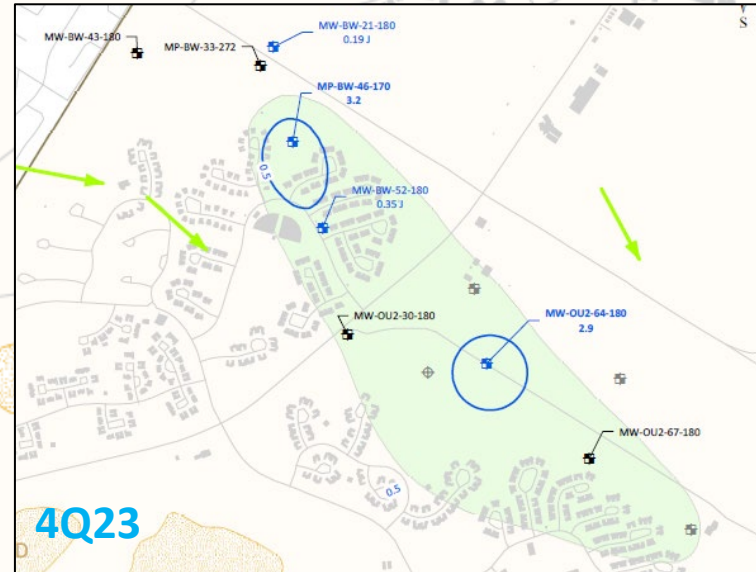
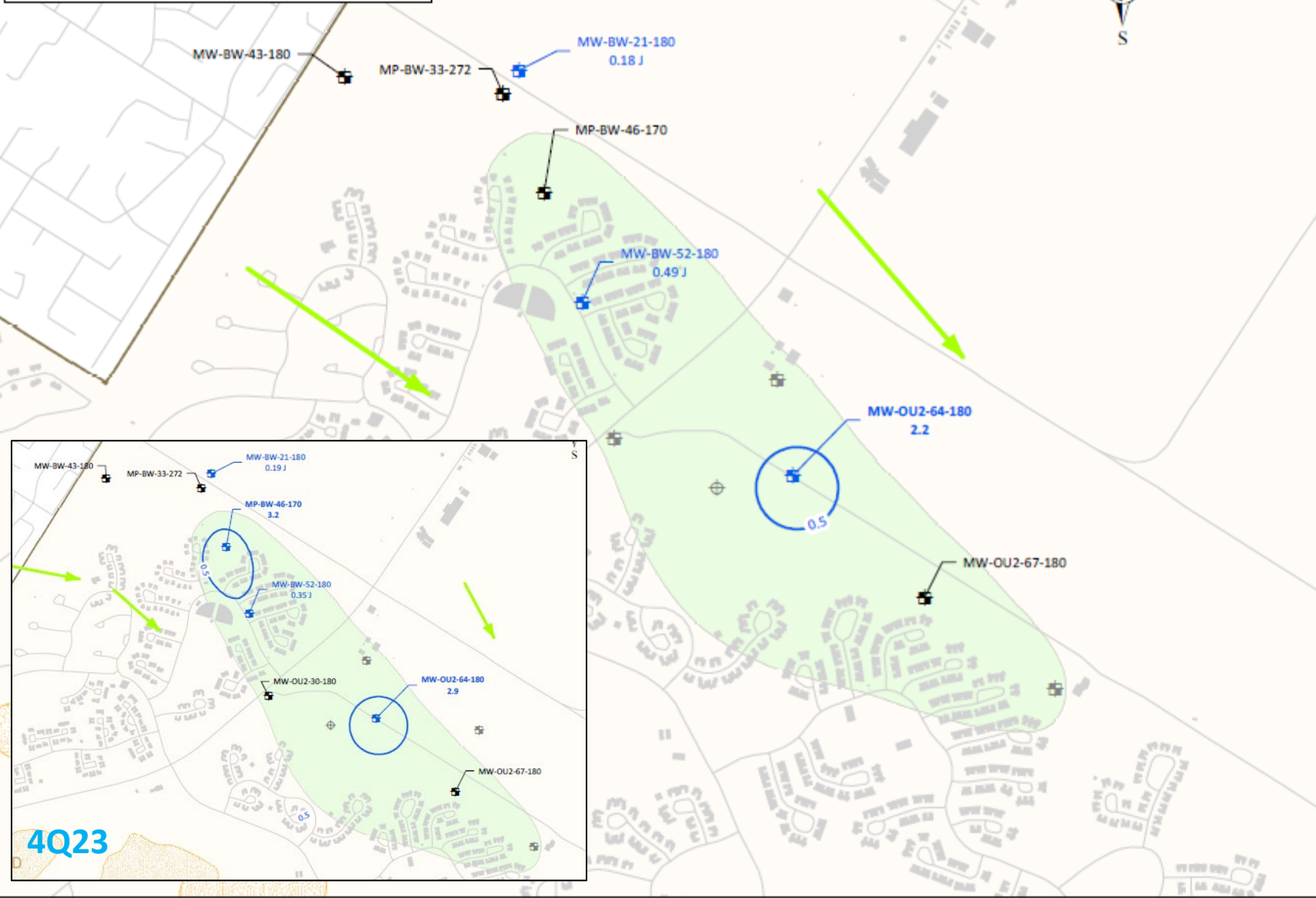
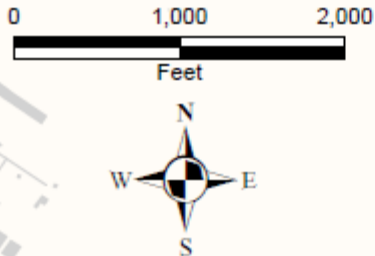


No evidence of an upgradient VC source nor COCs that would dechlorinate into VC (PCE, TCE, and total-1,2-DCE) in the A-Aquifer. If VC is no longer detected, it may indicate these concentrations are a remnant of the PVC well construction material.

1Q24 results indicate that VC is a remnant of the PVC. MW-40A-02-A was sampled in 1Q24, ND for CT.



1Q24



EXPLANATION

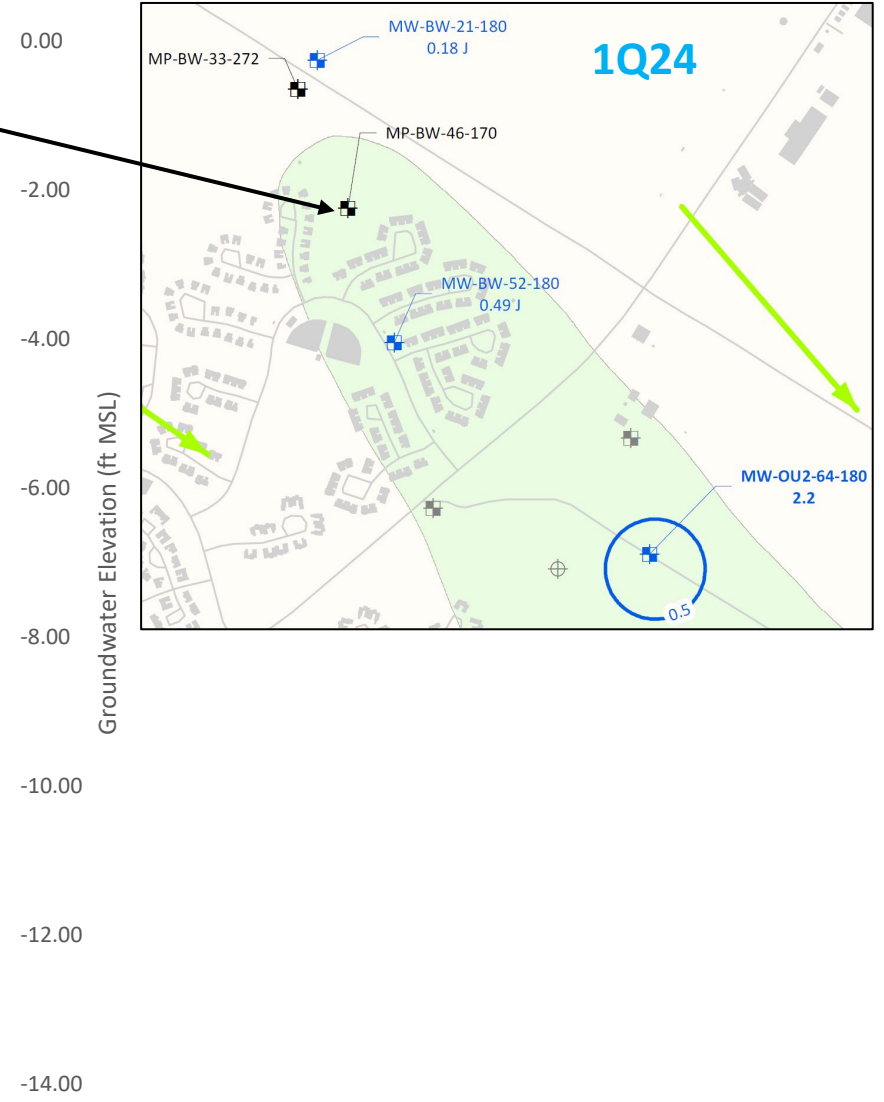
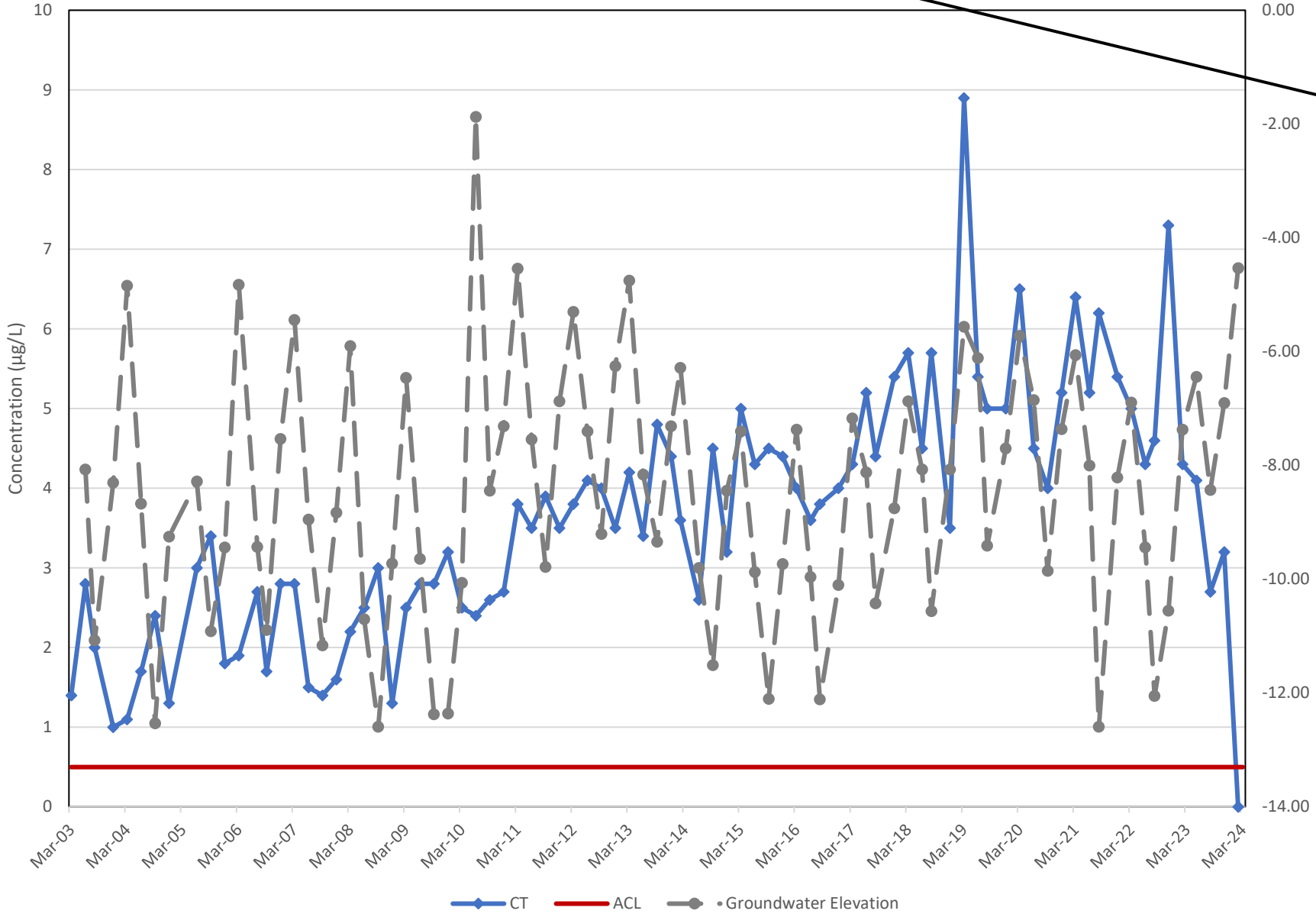
- General groundwater flow direction
- Roads
- Facilities
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary
- Well Type and COC Detection**
 - Extraction well not sampled
 - Monitoring well with carbon tetrachloride detected
 - Monitoring well with no CT detected
 - Monitoring well not sampled
- Chemical of concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in µg/L.**
 - Carbon tetrachloride (CT) plume
- OUCTP Upper 180-Footer Aquifer Hydraulic Zone**
 - 6

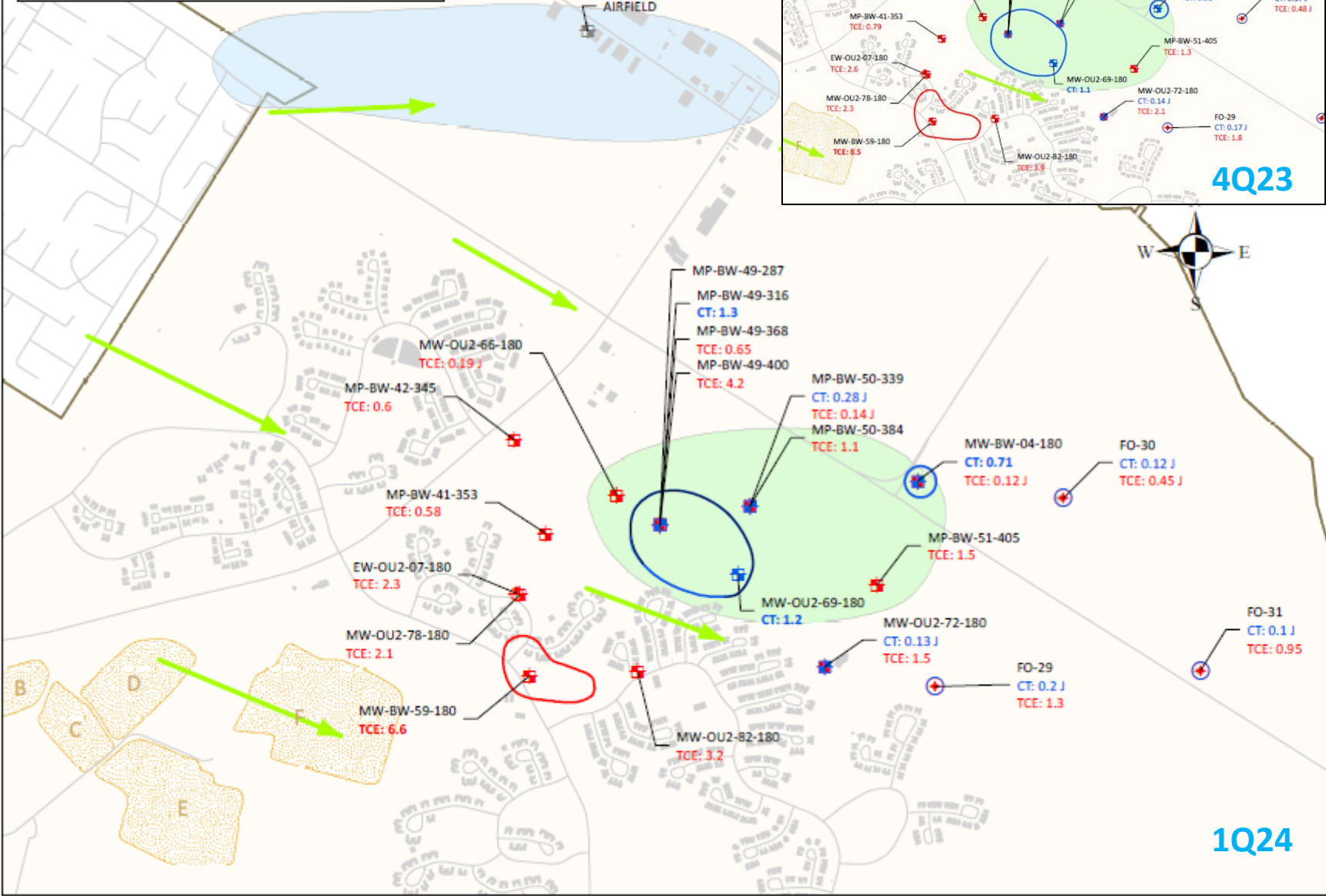
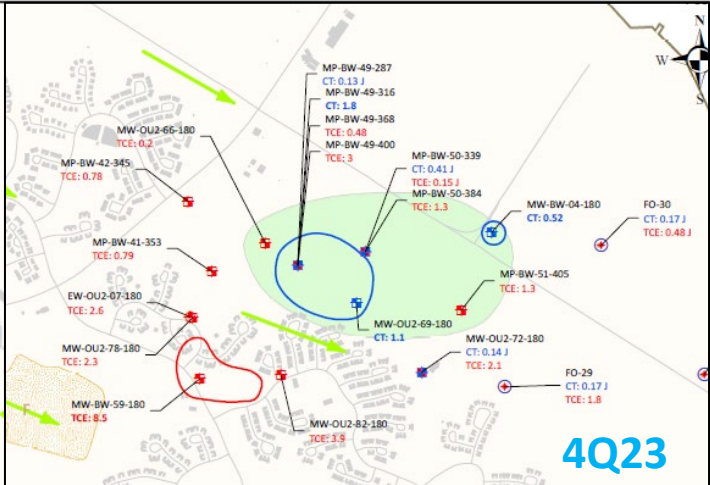
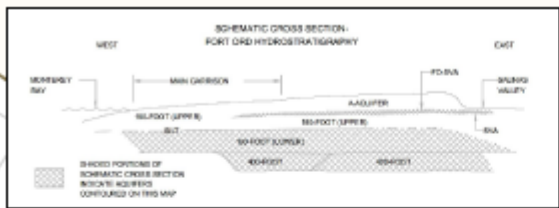
Well ID - Bold When Concentration Exceeds the ACL for CT
MW-OU2-64-180
 2.2
 CT Concentrations (µg/L) and validation/lab qualifier.

- NOTES:**
- (1) Samples were collected between February 12, 2024 and February 15, 2023.
 - (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 are based on highest value obtained from multiple bags and/or multiple ports were applicable.
 - (4) Contours near wells not sampled this quarter are inferred from previous analytical data.

CT CONCENTRATIONS
 UPPER 180-FOOT AQUIFER
 FIRST QUARTER 2024
 Operable Unit Carbon Tetrachloride Plume
 First Quarter 2024 Groundwater Monitoring Report
 Former Fort Ord, California

MP-BW-46-170

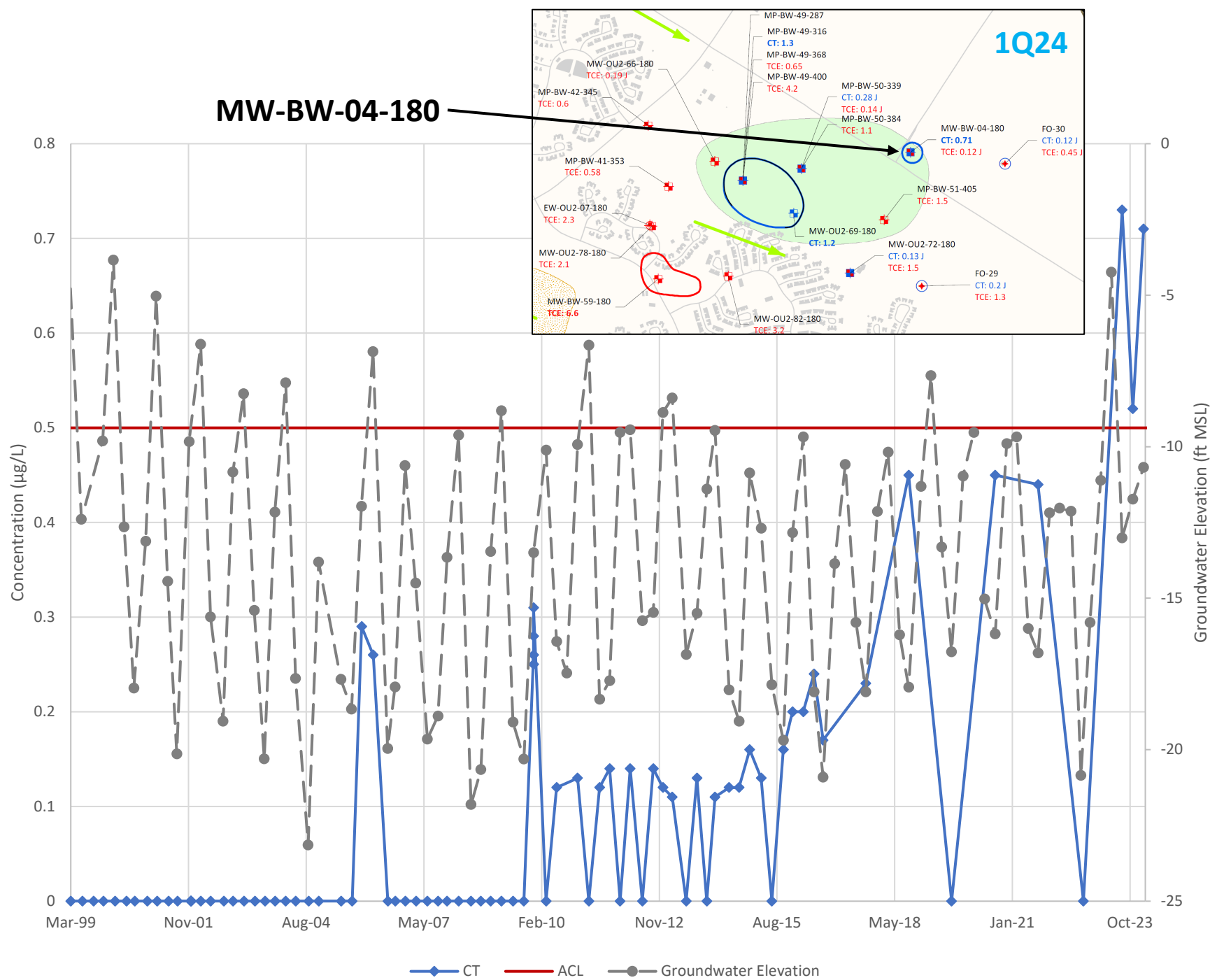




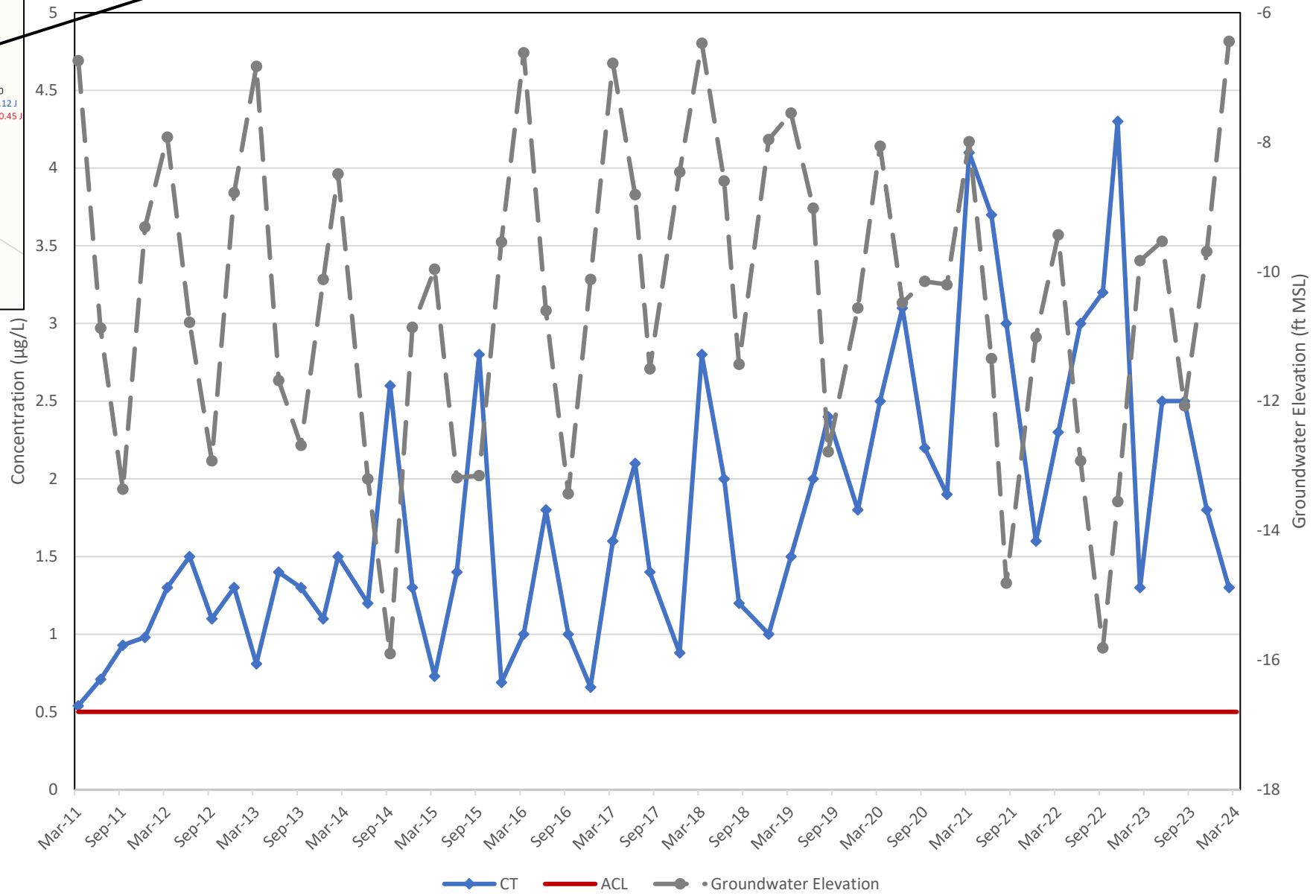
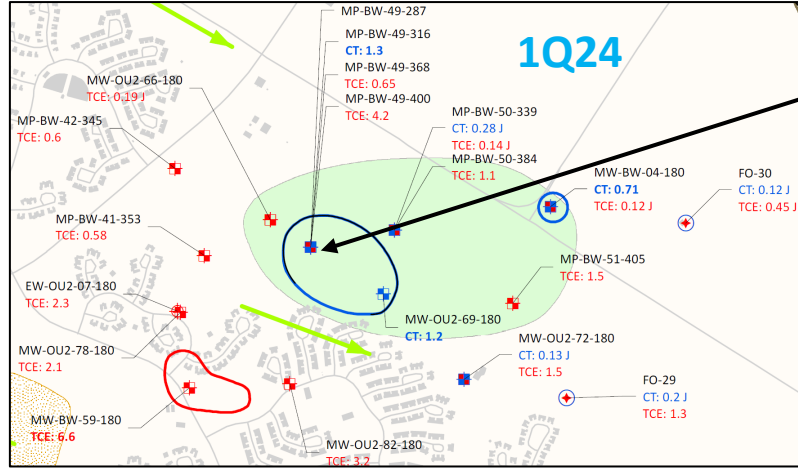
EXPLANATION

- General groundwater flow direction
- Roads
- Facilities
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary
- Monitoring well with CT detection**
- Marina Coast active supply well with trichloroethene (TCE) and carbon tetrachloride (CT) detected
- Extraction well with TCE detected
- Monitoring well with TCE detected
- Monitoring well with CT detected
- Monitoring well with CT and TCE detected
- Monitoring well not sampled
- Chemical of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in µg/L**
- 0.5 Carbon Tetrachloride (CT) plume extent
- 5.0 Trichloroethene (TCE) plume extent
- OUCTP Lower 180-Foot Aquifer Hydraulic Zone**
- 7
- 8

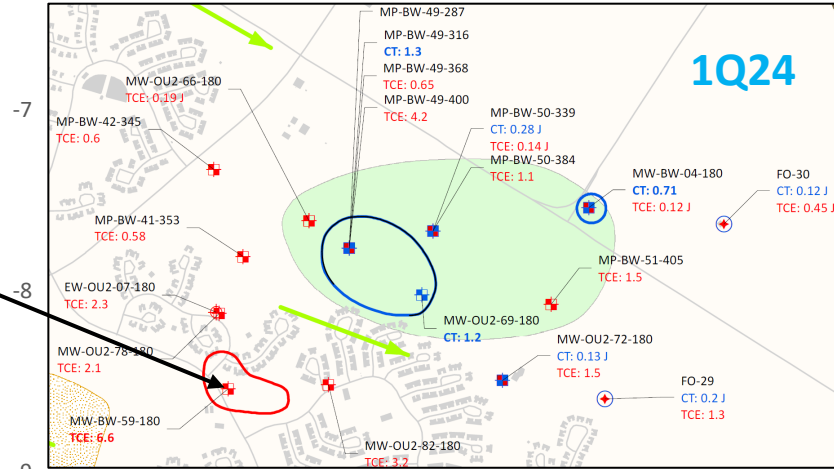
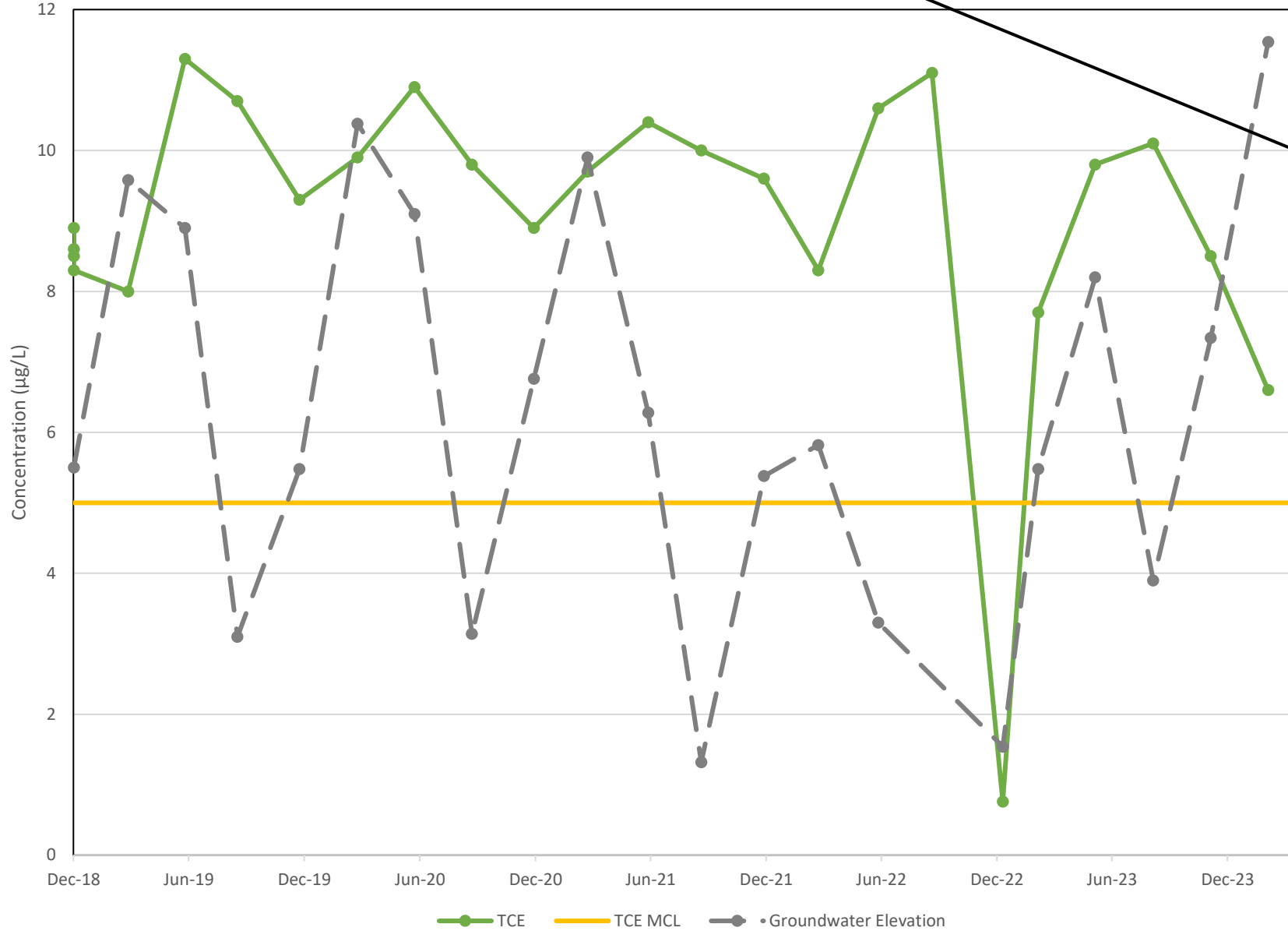
CT AND TCE CONCENTRATIONS
 LOWER 180-FOOT/400-FOOT AQUIFERS
 FIRST QUARTER 2024
 Operable Unit Carbon Tetrachloride Plume
 First Quarter 2024 Groundwater Monitoring Report
 Former Fort Ord, California



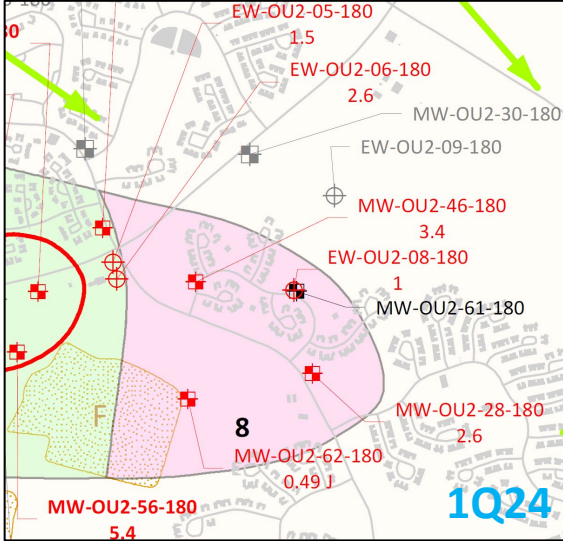
MP-BW-49-316



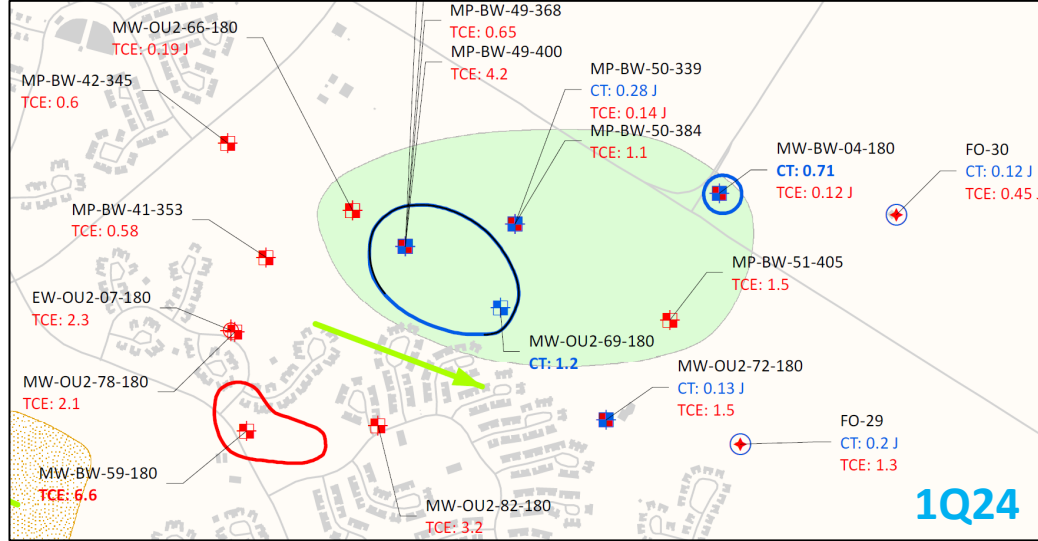
MW-BW-59-180



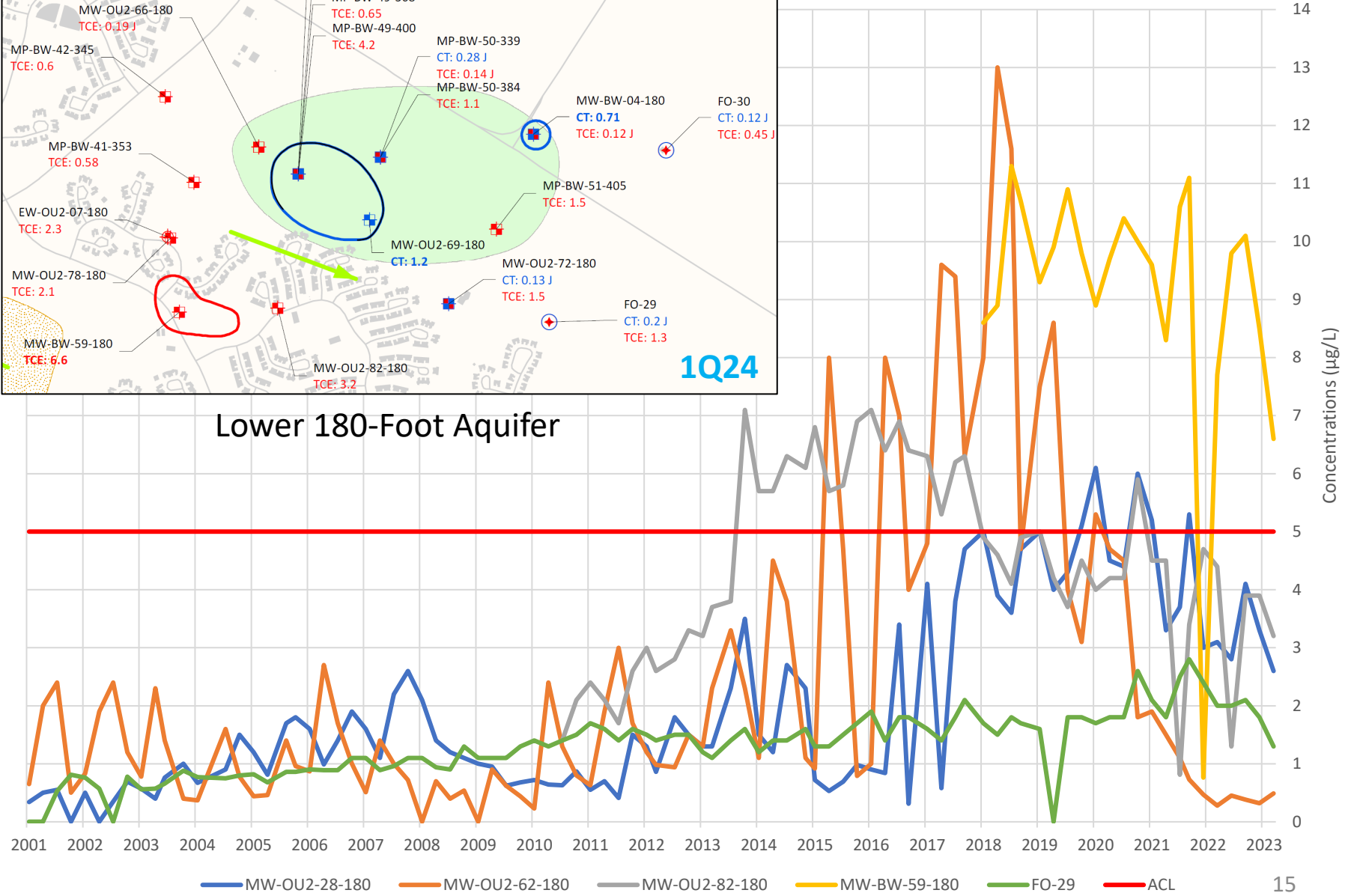
TCE in the Lower 180-Foot Aquifer



Upper 180-Foot Aquifer



Lower 180-Foot Aquifer



— MW-OU2-28-180 — MW-OU2-62-180 — MW-OU2-82-180 — MW-BW-59-180 — FO-29 — ACL