

Operable Unit 2 Data and Status

Table 1: May-June 2024 – OU2 GWTP Statistics

| Month | Volume Treated (gallons) | Average Flow (gallons per minute) | Percent of Time Online | COC Mass Removed (pounds) |
|--------------------------|--------------------------|-----------------------------------|------------------------|---------------------------|
| May 2024 | 40,006,368 | 896 | 100 | 1.8 |
| June 2024 | 38,575,602 | 893 | 99 | 1.7 |
| Total since October 1995 | 10.066 billion | | | 992 |

Table 2: May-June 2024 – Treated Water Reuse

| Month | Volume Used (gallons) | Use |
|--------------------------|-----------------------|-----------|
| May 2024 | 500 | Landfills |
| June 2024 | 1,500 | Landfills |
| Total since October 2016 | 4.374 million | |

May-June Key Events

- May 13-17: Second Quarter 2024 GWMP event.
- June 10: Repaired and restarted EW-OU2-08-180.
- June 21: OU2 GWTP shut down for 7 hours due to high effluent tank level. Re-balanced injection well flows and restarted GWTP.
- June 24: EW-OU2-08-180 offline for 16 hours due to a high temperature VFD fault. The VFD fan was replaced on June 26.
- June 26: EW-OU2-06-A offline due to shorted high-pressure switch, restarted July 2.

Future Key Events

- Decommission MW-OU2-37-A and MW-OU2-37-180.
- Pump replacements: EW-OU2-04-A and EW-OU2-05-A.

Remedial Summary

- **11 COCs:** 1,1-DCA; 1,2-DCA; 1,2-DCPA; benzene; CT; chloroform; cis-1,2-DCE; methylene chloride; PCE; TCE; and VC. Metals monitored annually near OU2 Landfills.
- **Remediation:** Pump and treat with GAC in the A-Aquifer and Upper 180-Foot Aquifer since 1995. Extraction wells added in 2000 and 2007. OU2 GWTP relocated from the western network area to OU2 Landfills, extraction wells added in 2018.
- **Monitoring:** Quarterly groundwater monitoring and reporting, including annual 3Q monitoring and reports. Described in the most recent Groundwater QAPP.

June 2024 OU2 Treated Water at TS-OU2-INJ-01 did not exceed discharge limits.



GWM COC Summary

Table 3: OU2 GWM Summary – A-Aquifer

| Quarter | 1,1-DCA | 1,2-DCA | 1,2-DCPA | Benzene | CT | Chloroform | Cis-1,2-DCE | Methylene Chloride | PCE | TCE | VC |
|-------------------|---------|---------|----------|---------|----|------------|-------------|--------------------|------|------|------|
| 2024-2Q | >ACL | >ACL | <ACL | <ACL | ND | >ACL | >ACL | ND | >ACL | >ACL | >ACL |
| 2024-1Q | >ACL | >ACL | <ACL | <ACL | ND | >ACL | >ACL | ND | >ACL | >ACL | >ACL |
| 2023-4Q | >ACL | >ACL | <ACL | <ACL | ND | >ACL | >ACL | ND | >ACL | >ACL | >ACL |
| 2023-3Q | >ACL | >ACL | <ACL | <ACL | ND | >ACL | >ACL | ND | >ACL | >ACL | >ACL |
| Max COC/ACL Ratio | 2.1 | 5.8 | - | - | - | 2.0 | 1.4 | - | 2.4 | 2.4 | 54 |
| Hydraulic Zone | 3 | 3 | - | - | - | 5 | 1 | - | 5 | 4 | 1 |

Notes:

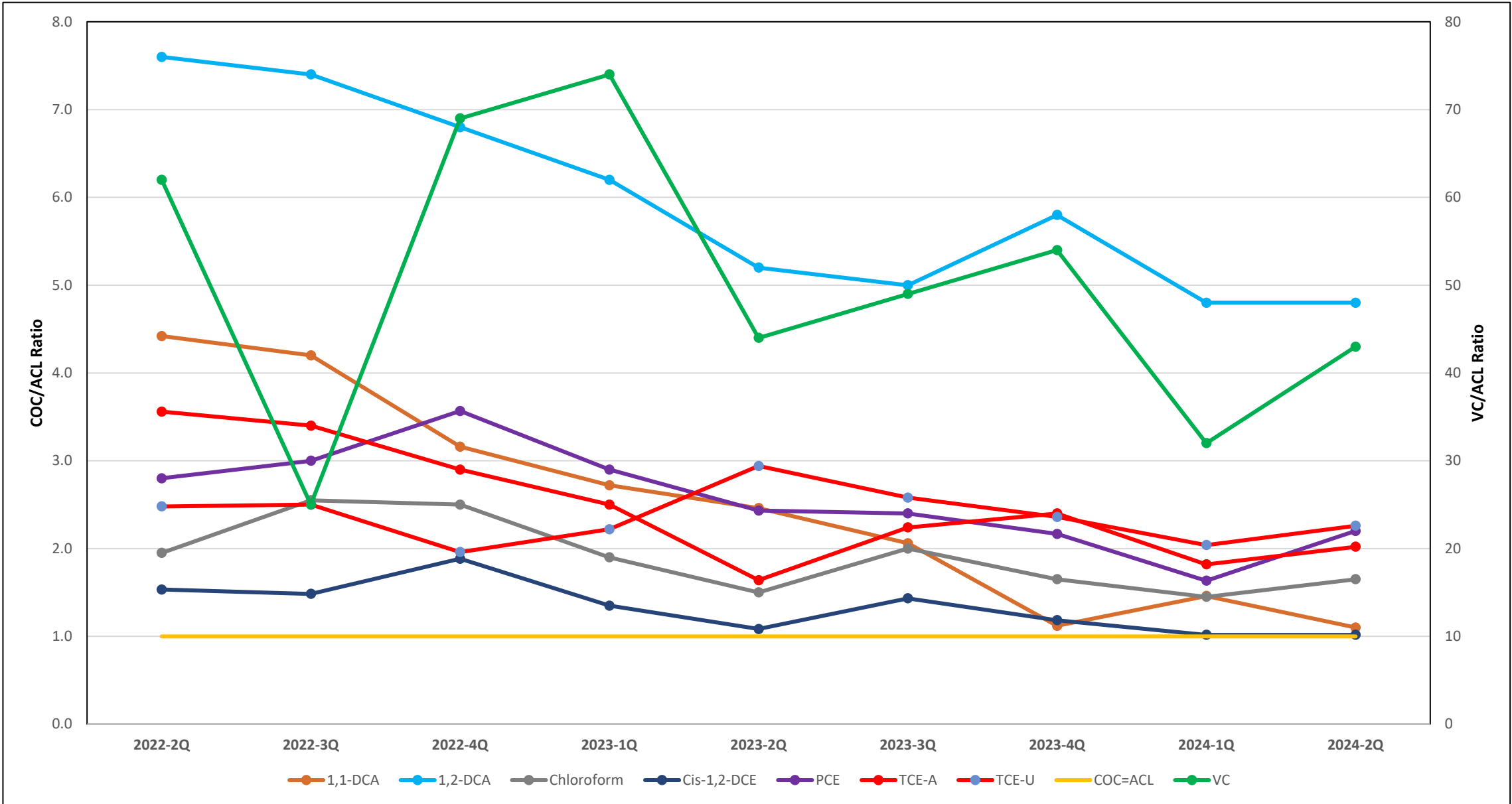
*Preliminary data
>: greater than
<: less than
ACL: Aquifer Cleanup Level
1,1-DCA: 1,1-dichloroethane
1,2-DCA: 1,2-dichloroethane
1,2-DCPA: 1,2-dichloropropane
CT: carbon tetrachloride
Cis-1,2-DCE: cis-1,2-dichloroethene
TCE: trichloroethene
PCE: tetrachloroethene
VC: vinyl chloride
ND: The analyte was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

Table 4: OU2 GWM Summary – Upper 180-Foot Aquifer

| Quarter | 1,1-DCA | 1,2-DCA | 1,2-DCPA | Benzene | CT | Chloroform | Cis-1,2-DCE | Methylene Chloride | PCE | TCE | VC |
|-------------------|---------|---------|----------|---------|------|------------|-------------|--------------------|------|------|----|
| 2024-2Q | <ACL | ND | ND | <ACL | <ACL | <ACL | <ACL | ND | <ACL | >ACL | ND |
| 2024-1Q | <ACL | ND | ND | ND | <ACL | <ACL | <ACL | ND | <ACL | >ACL | ND |
| 2023-4Q | <ACL | ND | ND | <ACL | <ACL | <ACL | <ACL | ND | <ACL | >ACL | ND |
| 2023-3Q | <ACL | ND | <ACL | <ACL | <ACL | <ACL | <ACL | ND | <ACL | >ACL | ND |
| Max COC/ACL Ratio | - | - | - | - | - | - | - | - | - | 2.6 | - |
| Hydraulic Zone | - | - | - | - | - | - | - | - | - | 7 | - |

7 COCs in the A-Aquifer and 1 in the Upper 180-Foot Aquifer above the ACLs.

Max Quarterly COC/ACL Ratio Trend



1Q24

* Well not used for contouring
ND Chemical of Concern is non-detect

Well ID - Bold When ACL Exceeded
MW-OU2-40-A
9.1
TCE Concentration (µg/L) and validation/lab qualifier.

NOTES:
(1) Groundwater samples were collected between February 6, 2024 and February 14, 2024.
(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.

EXPLANATION

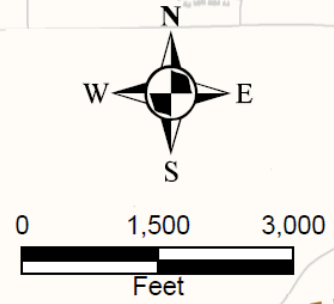
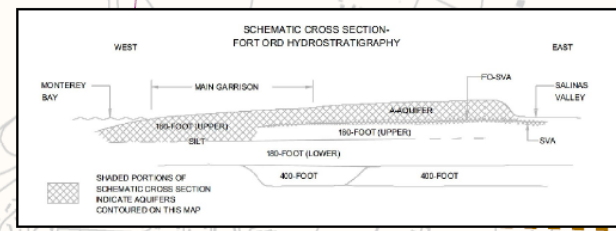
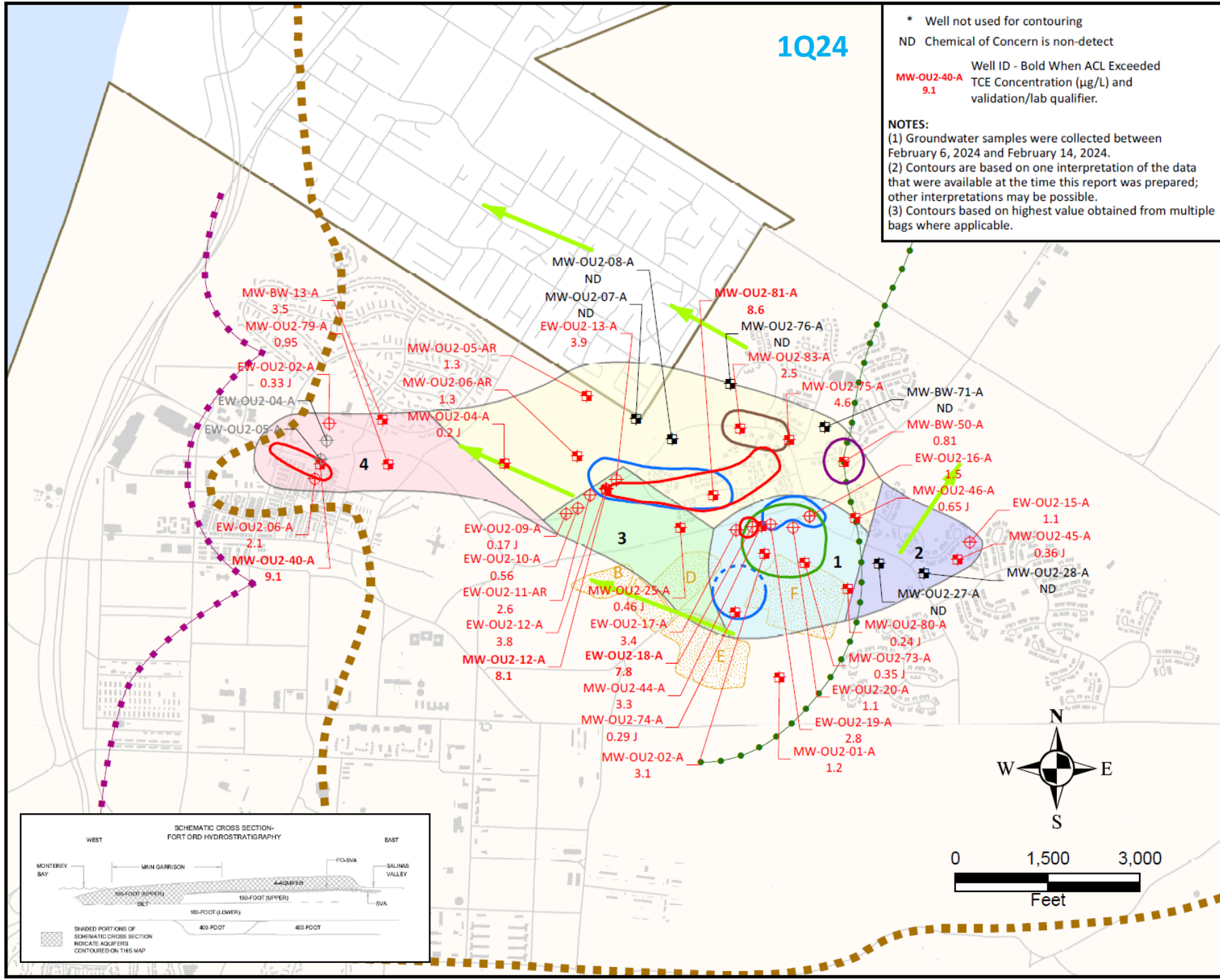
- Approximate edge of the Fort Ord-Salinas Valley Aquitard (FO-SVA)
- Roads
- Facilities
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary
- General groundwater flow direction

- Groundwater Divide
- Approximate location of the A-Aquifer groundwater divide
 - Approximate location of the A-Aquifer groundwater divide

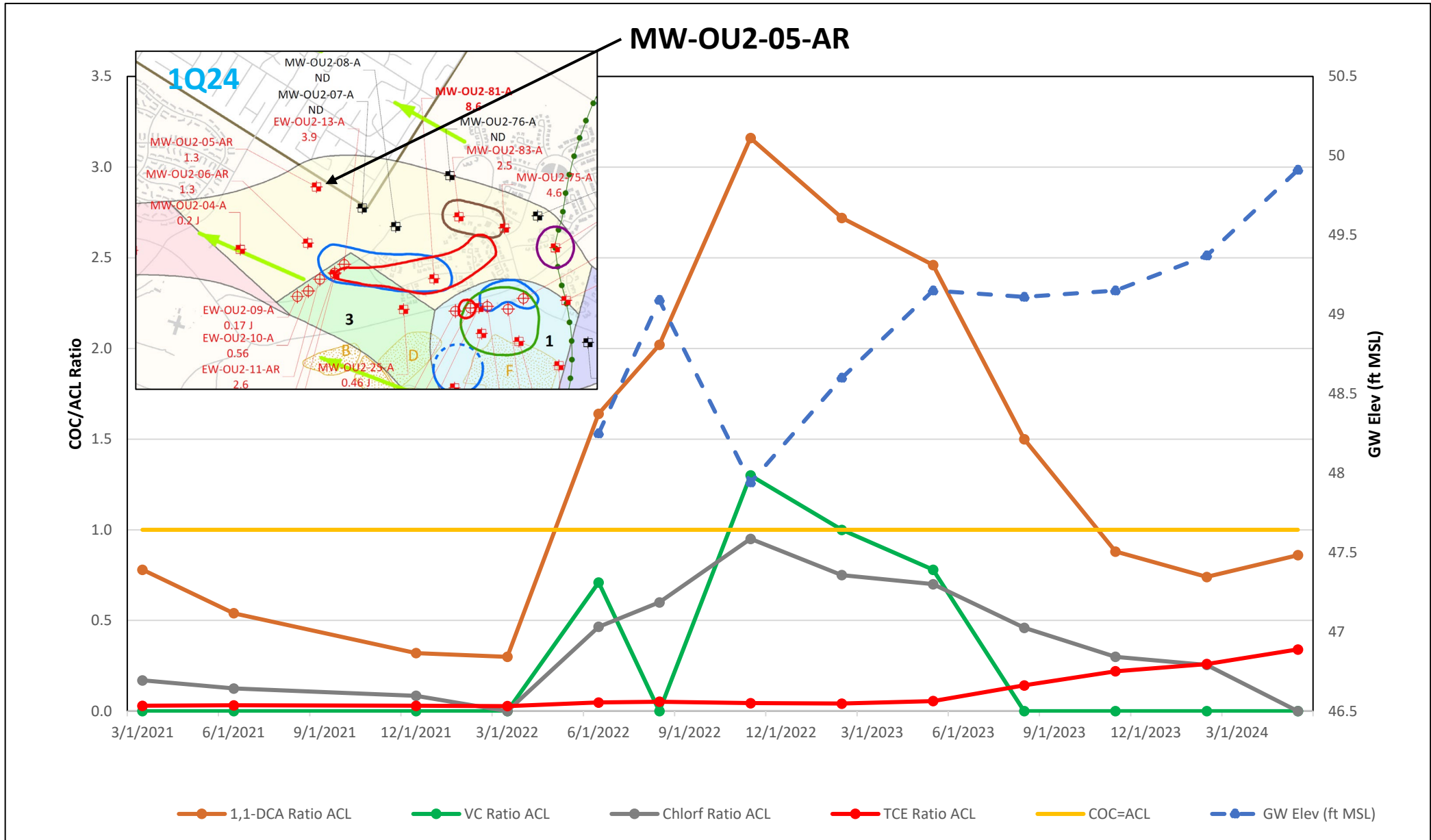
- Well Type and COC Detection
- Extraction well with trichloroethene (TCE) detected
 - Extraction well not sampled
 - Monitoring well with TCE detected
 - Monitoring well with non-detect (ND) for TCE and no COC ACL exceedance

- Chemical of concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in µg/L.
- 5 Trichloroethene (TCE) plume extent
 - 3 Tetrachloroethene (PCE) plume extent
 - 5 1,1-Dichloroethane (1,1-DCA) plume extent
 - 0.5 1,2-Dichloroethane (1,2-DCA) plume extent
 - 0.5 1,2-Dichloroethane (1,2-DCA) inferred plume extent
 - 0.1 Vinyl Chloride (VC) plume extent

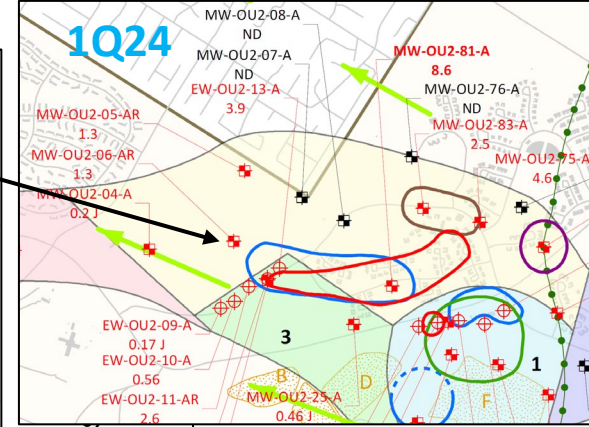
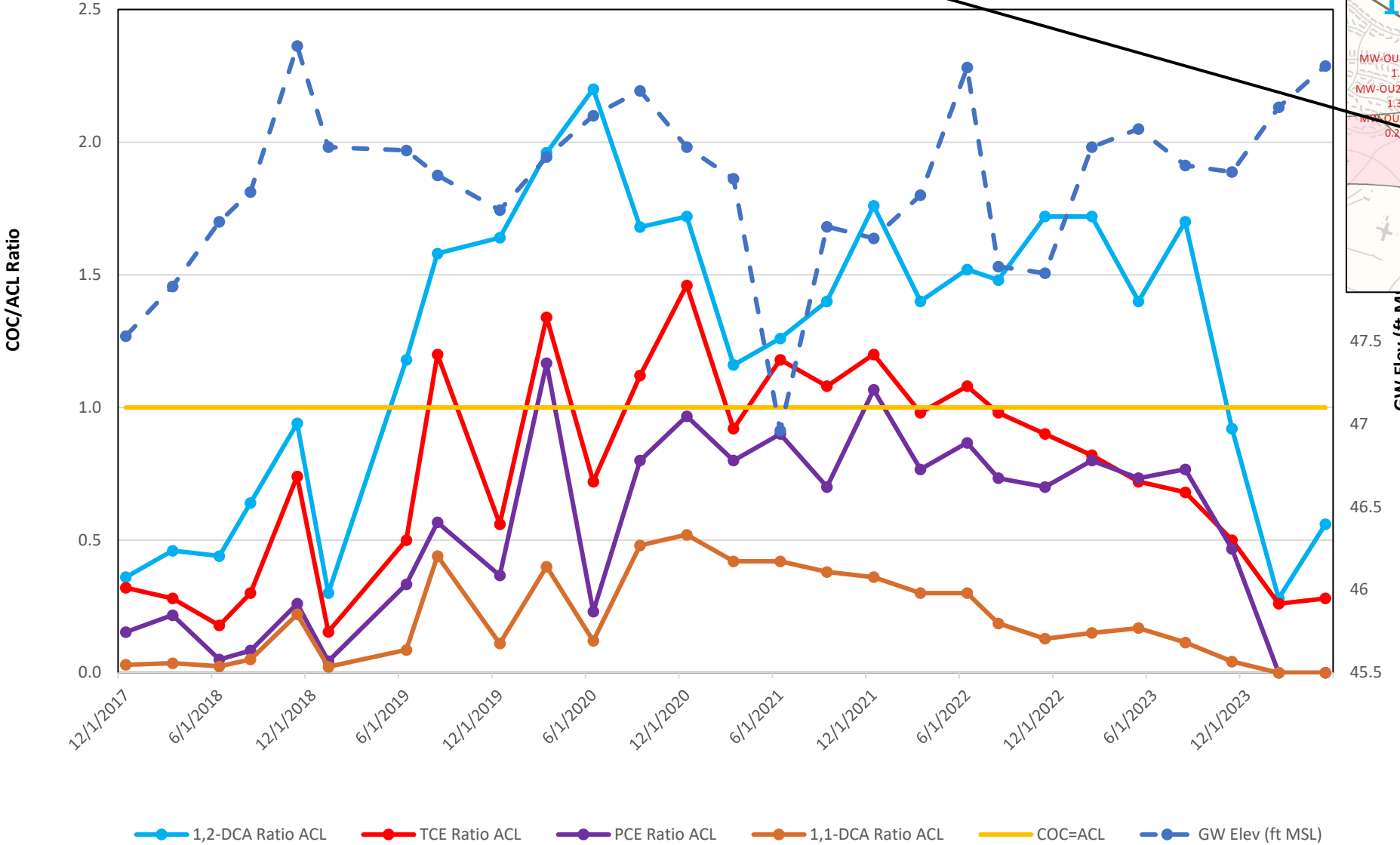
- OU2 A-Aquifer Hydraulic Zone
- 1
 - 2
 - 3
 - 4
 - 5

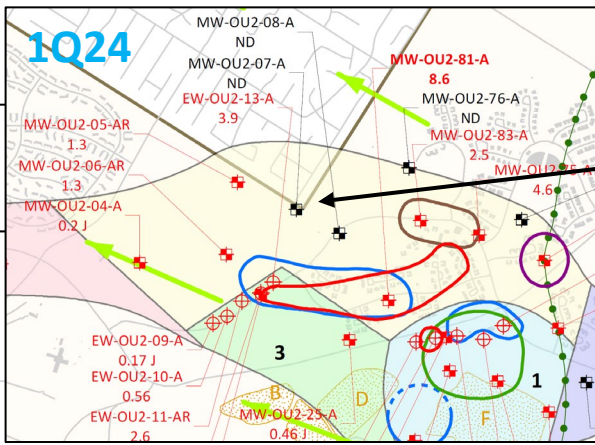


TCE CONCENTRATIONS AND OTHER COC ACL EXCEEDANCES
A-AQUIFER
FIRST QUARTER 2024
Operable Unit 2, First Quarter 2024 Groundwater
Monitoring and Treatment Report
Former Fort Ord, California

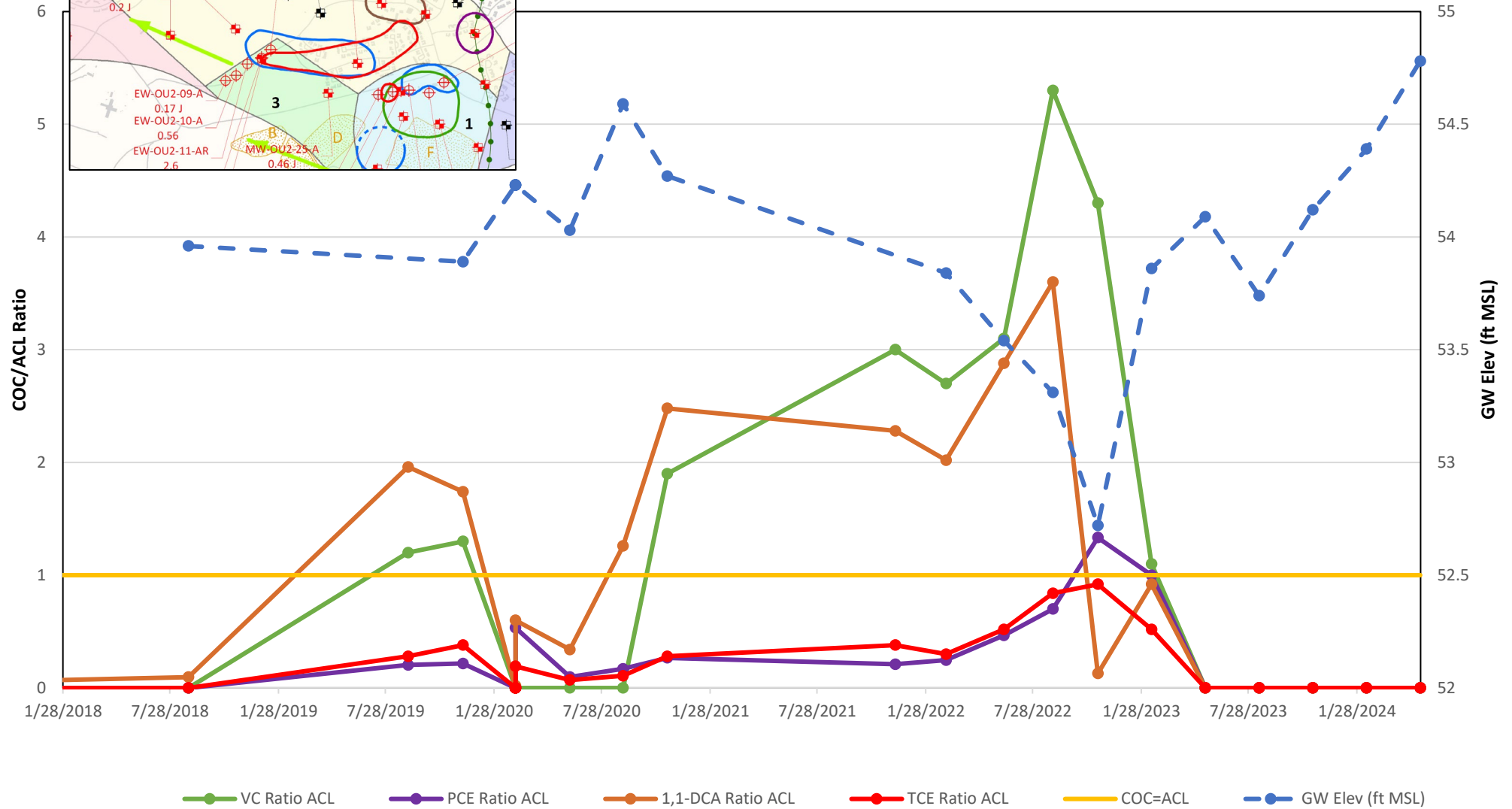


MW-OU2-06-AR

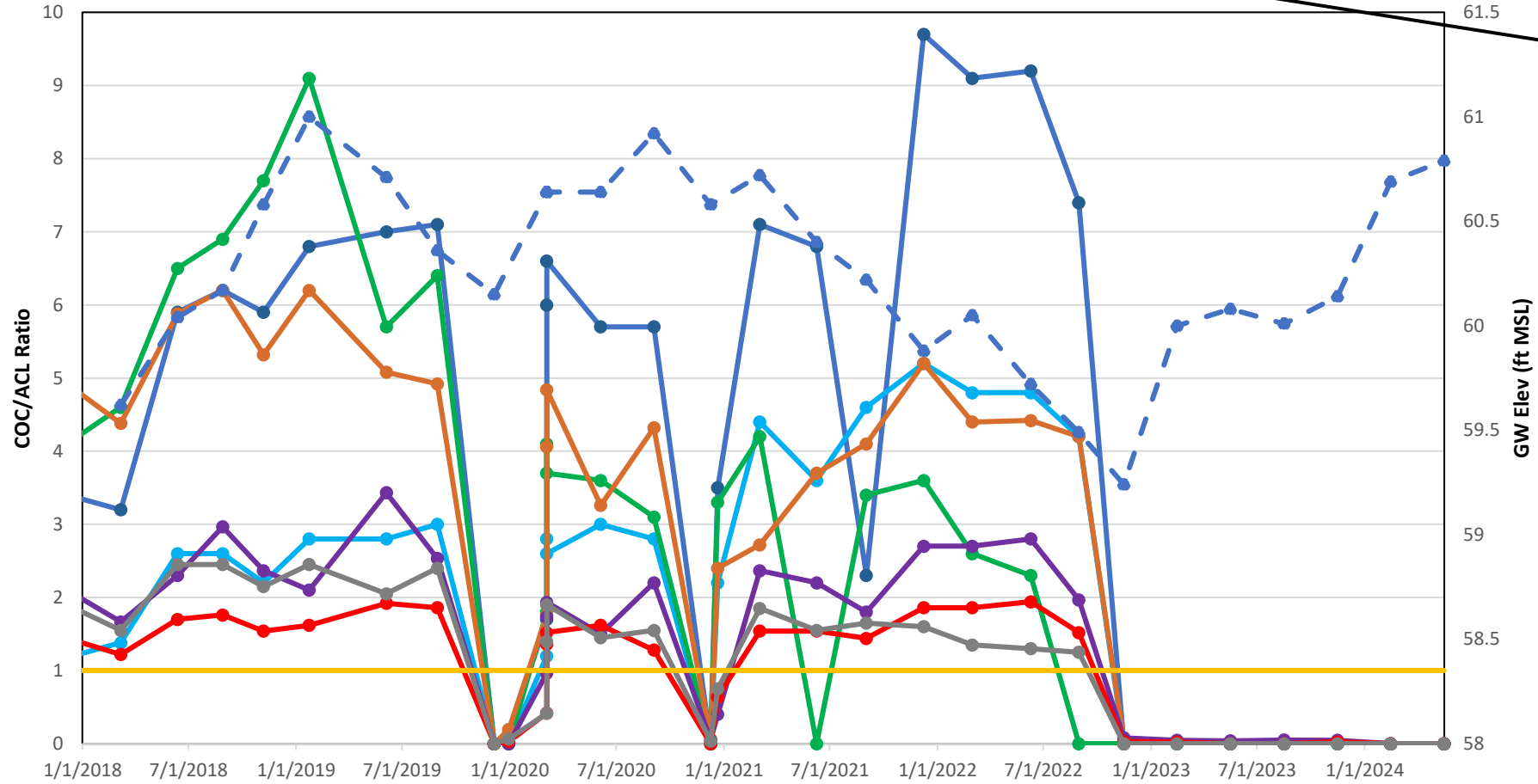
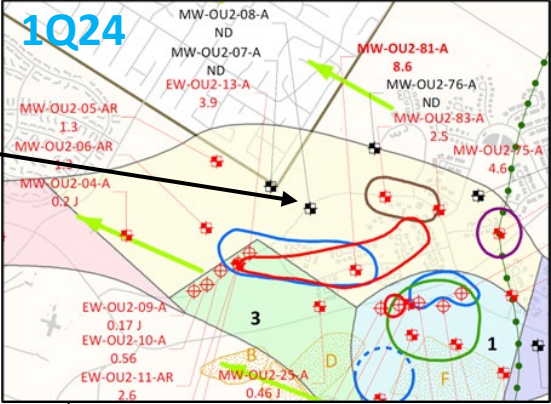




MW-OU2-07-A

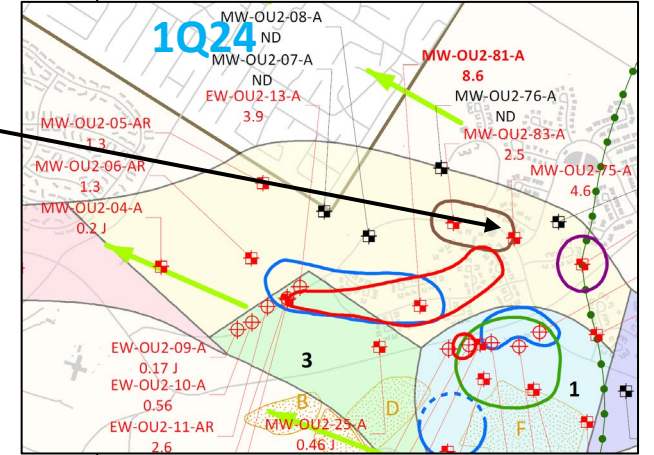
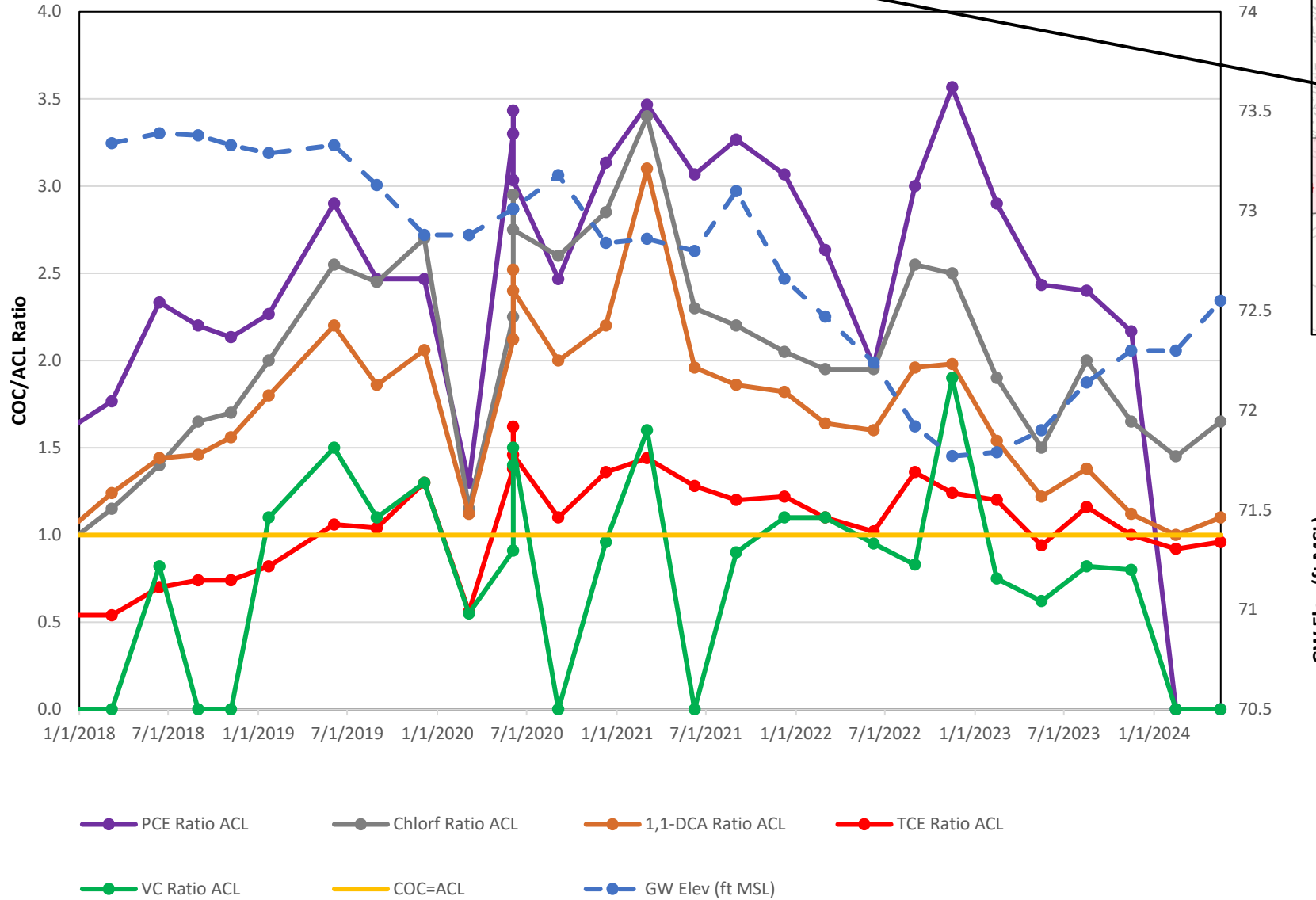


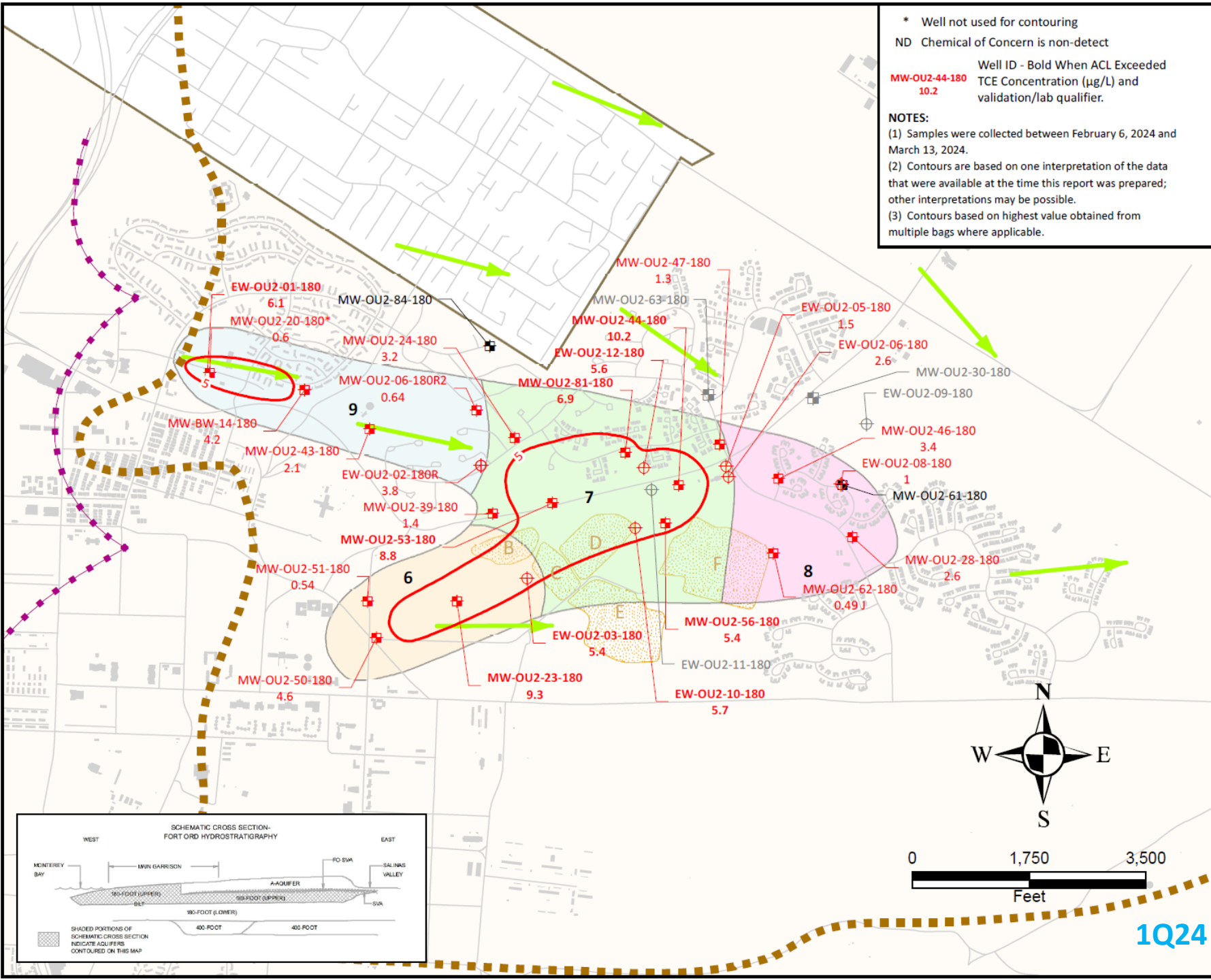
MW-OU2-08-A



- Cis-1,2-DCE Ratio ACL
- 1,2-DCA Ratio ACL
- VC Ratio ACL
- 1,1-DCA Ratio ACL
- PCE Ratio ACL
- TCE Ratio ACL
- Chlorf Ratio ACL
- COC=ACL
- GW Elev (ft MSL)

MW-OU2-75-A





EXPLANATION

- Roads
- Approximate Edge of Fort Ord - Salinas Valley Aquitard (FO-SVA)
- General groundwater flow direction
- Facilities
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary

Well Type and COC Detection

- Extraction well with trichloroethene (TCE) detection
- Extraction well not sampled
- Monitoring well with TCE detection
- Monitoring well non-detect (ND) for TCE
- Monitoring well not sampled

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

- 5 - Trichloroethene (TCE) plume extent

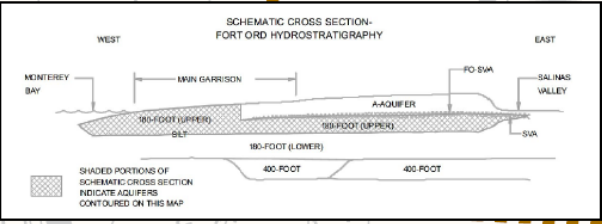
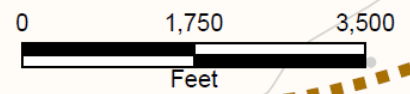
Groundwater Aquifer Divide

- Approximate location of the Upper 180-Foot Aquifer groundwater divide

OU2 Upper 180-Foot Aquifer Hydraulic Zone

- 6
- 7
- 8
- 9

TCE CONCENTRATIONS AND OTHER COC ACL EXCEEDANCES
 UPPER 180-FOOT AQUIFER
 FIRST QUARTER 2024
 Operable Unit 2, First Quarter 2024, Groundwater
 Monitoring and Treatment Report
 Former Fort Ord, California



1Q24

