

# Operable Unit 2 Data and Status

**Table 1:** July-Aug 2024 – OU2 GWTP Statistics

Month	Volume Treated (gallons)	Average Flow (gallons per minute)	Percent of Time Online	COC Mass Removed (pounds)
July 2024	36,403,771	815	100	1.6
Aug 2024	37,834,394	848	100	1.5
Total since October 1995	10.140 billion			995

**Table 2:** July-Aug 2024 – Treated Water Reuse

Month	Volume Used (gallons)	Use
July 2024	1,500	Landfills
Aug 2024	3,750	Landfills
Total since October 2016	4.380 million	

## 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.

## July-Aug Key Events

- July 24: Lost communications to some OU2 extraction wells at Bunker Hill and Abrams/Imjin networks due to faulty radios. GWTP still online at 650 gpm.
- Aug 1: Faulty radios replaced and all wells online, GWTP at 960 gpm.
- Aug 18: EW-OU2-10-180 offline due to VFD power failure.
- Aug 19-23: Third Quarter 2024 GWMP event.
- Sep 4: OU2 GWTP offline for pipe realignment due to City of Marina Imjin Parkway widening construction project.

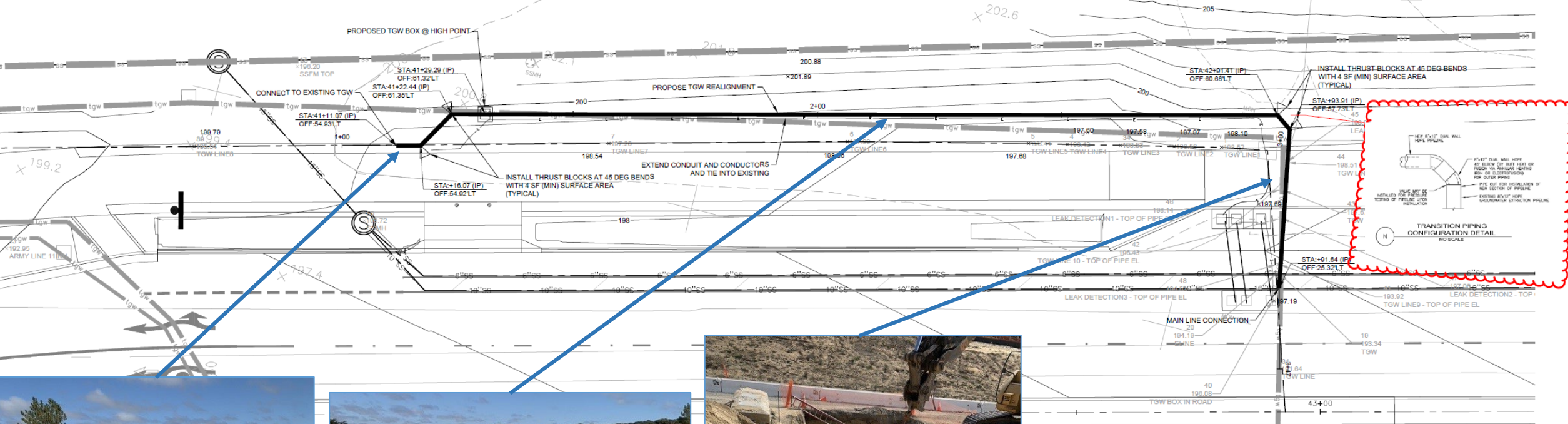
## Future Key Events

- Restart OU2 GWTP once pipe realignment completed by City of Marina.
- Troubleshoot, repair, and restart EW-OU2-10-180.
- Decommission MW-OU2-37-A and MW-OU2-37-180.
- Pump replacements: EW-OU2-04-A and EW-OU2-05-A.

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



# Imjin Parkway OU2 Pipe Realignment



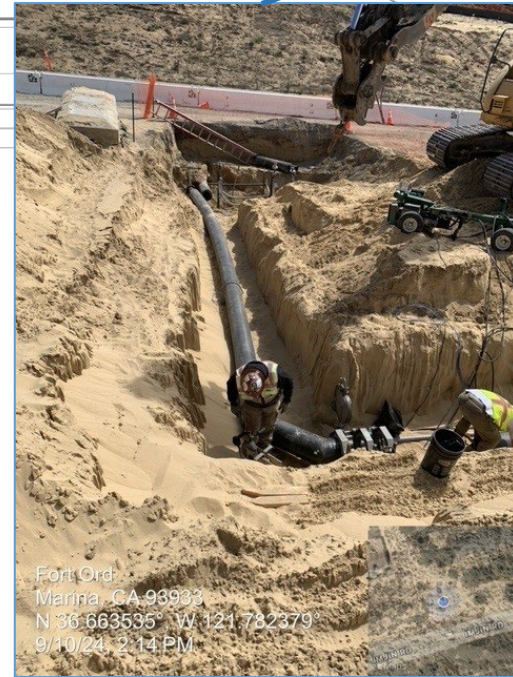
Fort Ord  
Marina, CA 93933  
N 36.663361°, W 121.782972°  
9/10/24, 1:55 PM

West end of realignment



Fort Ord  
Marina, CA 93933  
N 36.663441°, W 121.782733°  
9/10/24, 2:10 PM

Middle of realignment



Fort Ord  
Marina, CA 93933  
N 36.663535°, W 121.782379°  
9/10/24, 2:14 PM

East end of realignment



Fort Ord  
Marina, CA 93933  
N 36.663394°, W 121.782348°  
9/11/24, 1:20 PM

Pressure testing assembly



# 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
2024-3Q	>ACL	>ACL	<ACL	<ACL	ND	>ACL	>ACL	ND	>ACL	>ACL	>ACL
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
Max COC/ACL Ratio	1.6	5.8	-	-	-	1.7	1.2	-	2.6	2.4	54
Hydraulic Zone	3	3	-	-	-	5	1	-	5	4	1

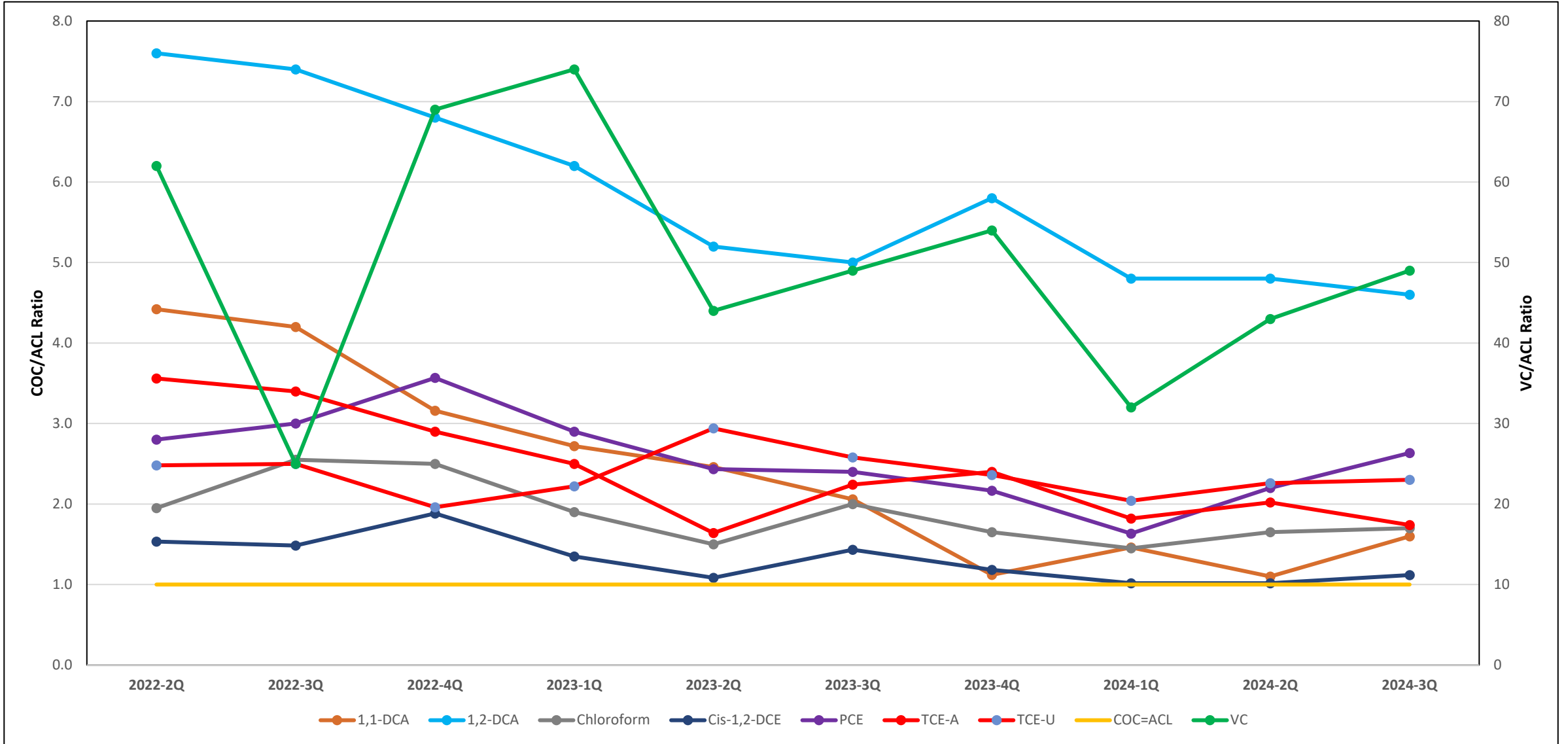
**Notes:**  
 \*Preliminary data  
 >: greater than  
 <: less than  
 ACL: Aquifer Cleanup Level  
 1,1-DCA: 1,1-dichloroethane  
 1,2-DCA: 1,2-dichloroethane  
 1,2-DCPA: 1,2-dichloropropane  
 CT: carbon tetrachloride  
 Cis-1,2-DCE: cis-1,2-dichloroethene  
 TCE: trichloroethene  
 PCE: tetrachloroethene  
 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
2024-3Q	<ACL	ND	ND	<ACL	<ACL	<ACL	<ACL	ND	<ACL	>ACL	ND
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
Max COC/ACL Ratio	-	-	-	-	-	-	-	-	-	2.4	-
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



### 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

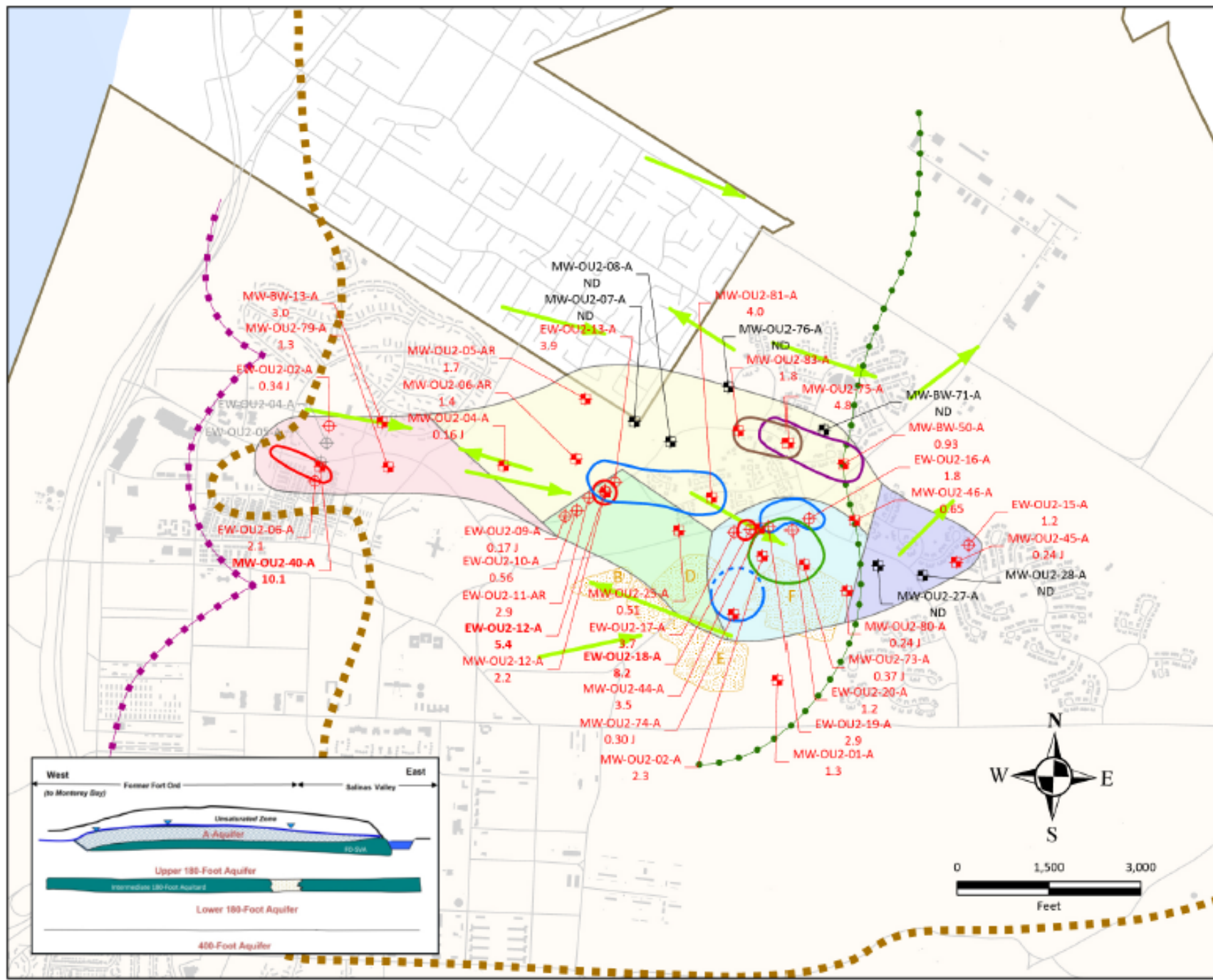
- 5 Trichloroethene (TCE) plume extent
- 3 Tetrachloroethene (PCE) plume extent
- 5 1,1-Dichloroethane [1,1-DCA] plume extent
- 0.5 1,2-Dichloroethane [1,2-DCA] plume extent
- 0.5 1,2-Dichloroethane [1,2-DCA] inferred plume extent
- 0.1 Vinyl Chloride (VC) plume extent

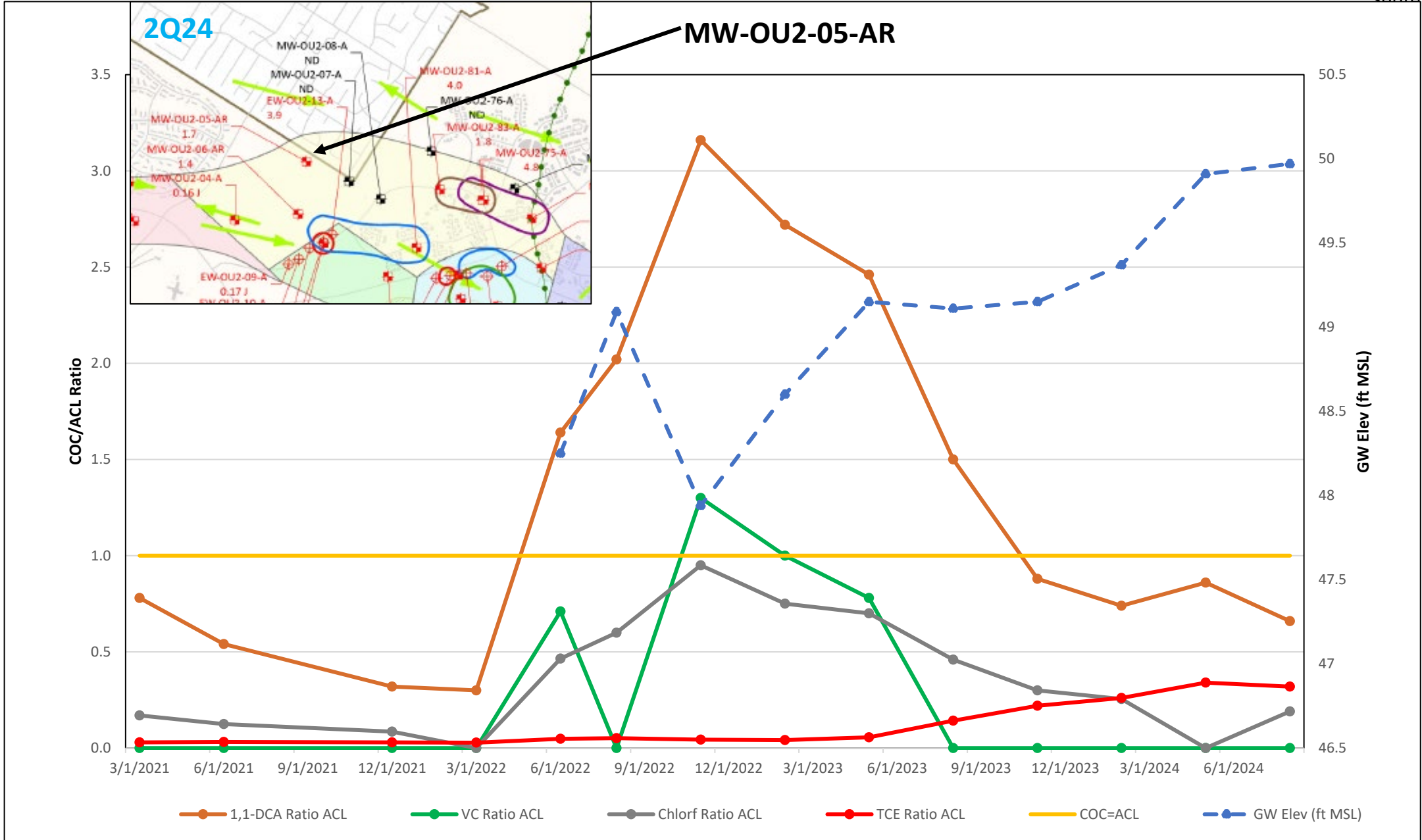
#### OU2 A-Aquifer Hydraulic Zone

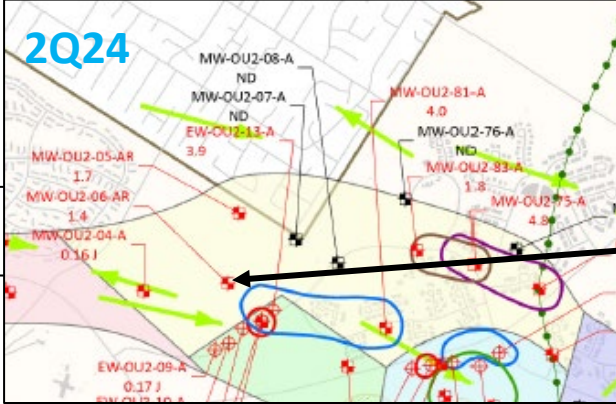
- 1
- 2
- 3
- 4
- 5

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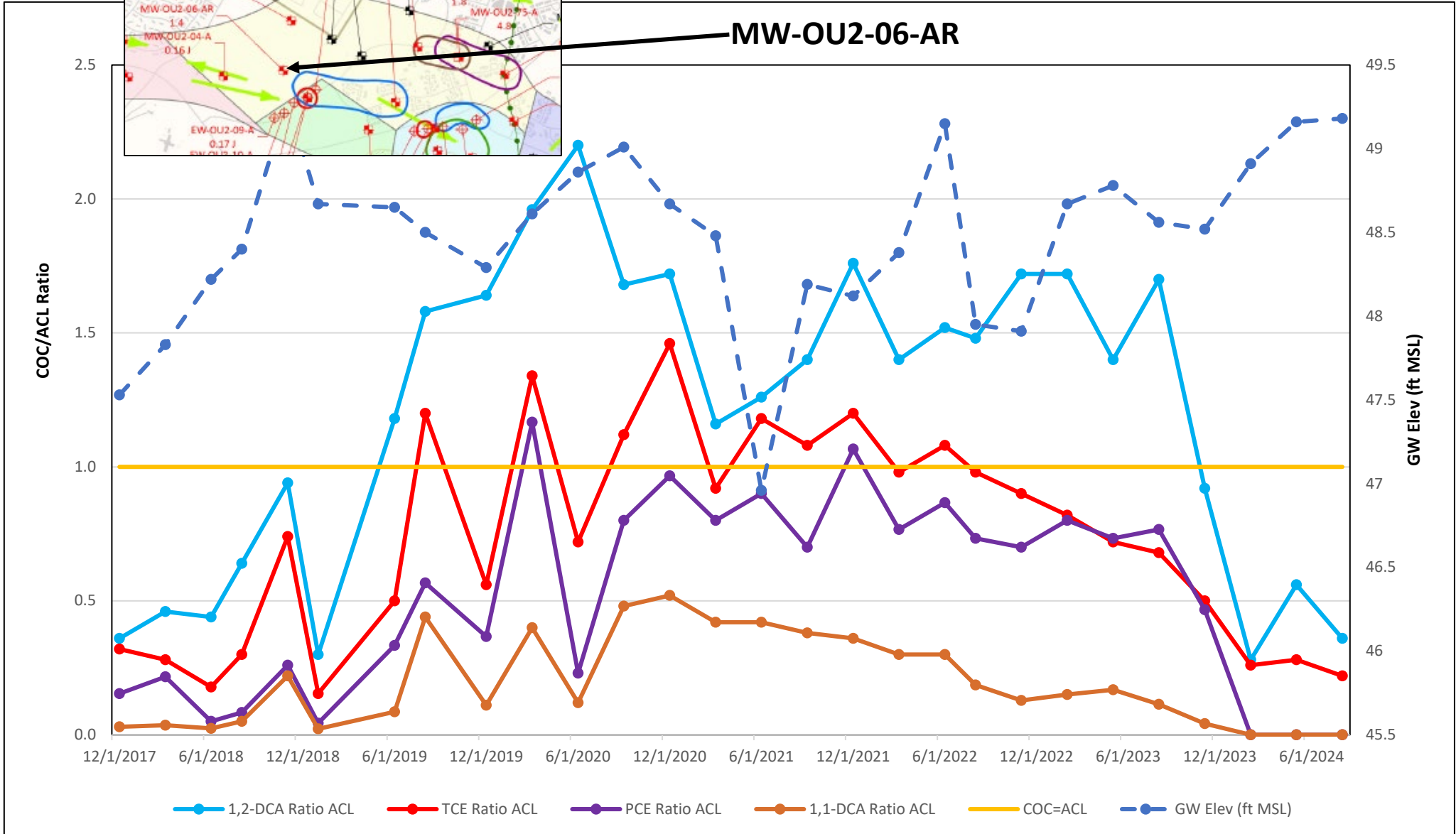
TCE CONCENTRATIONS AND OTHER COC ACL EXCEEDANCES  
 A-AQUIFER  
 SECOND QUARTER 2024  
 Operable Unit 2, Second Quarter 2024 Groundwater  
 Monitoring and Treatment Report  
 Former Fort Ord, California

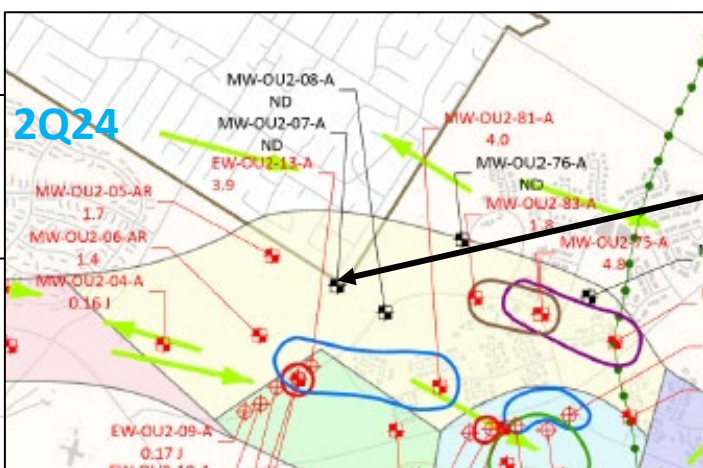




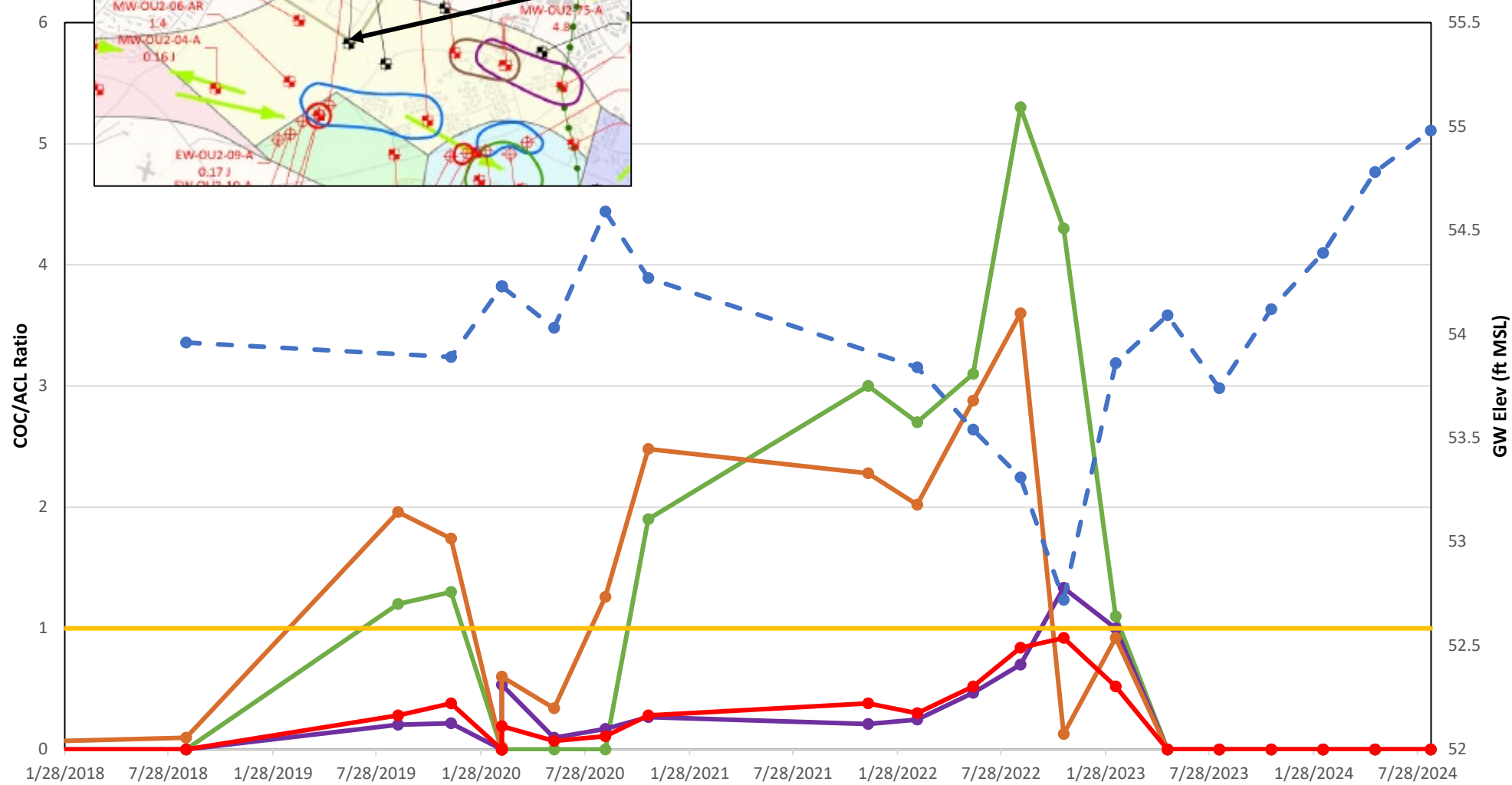


**MW-OU2-06-AR**



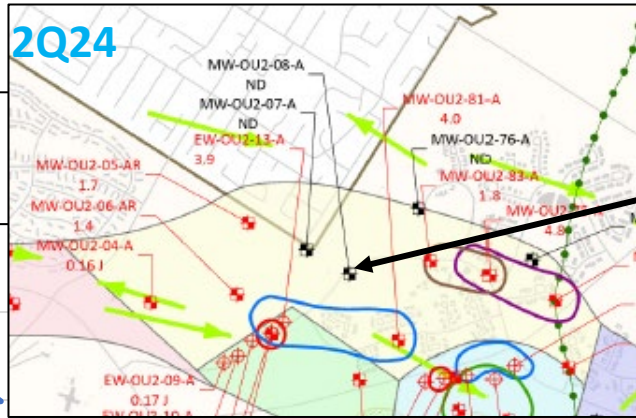


**MW-OU2-07-A**

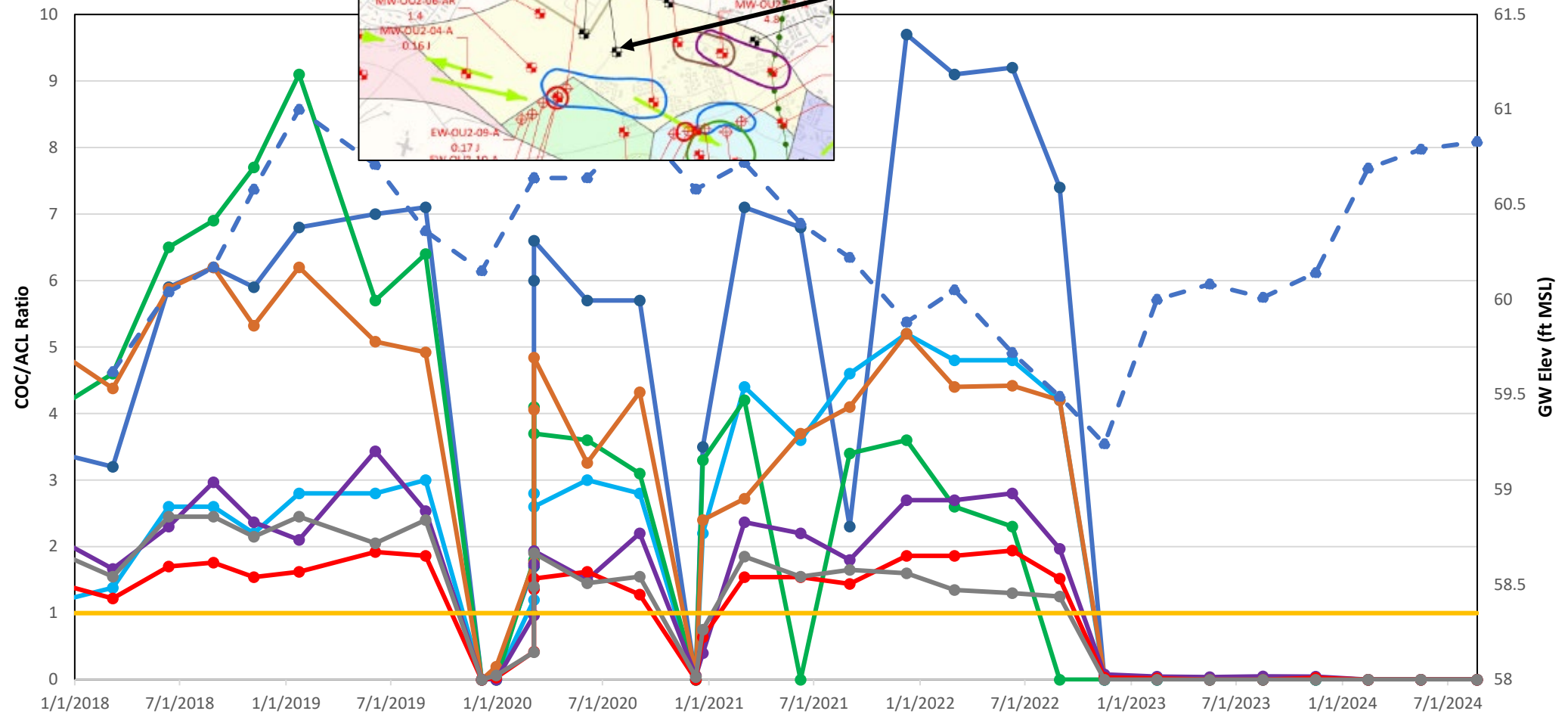


VC Ratio ACL    PCE Ratio ACL    1,1-DCA Ratio ACL    TCE Ratio ACL    COC=ACL    GW Elev (ft MSL)



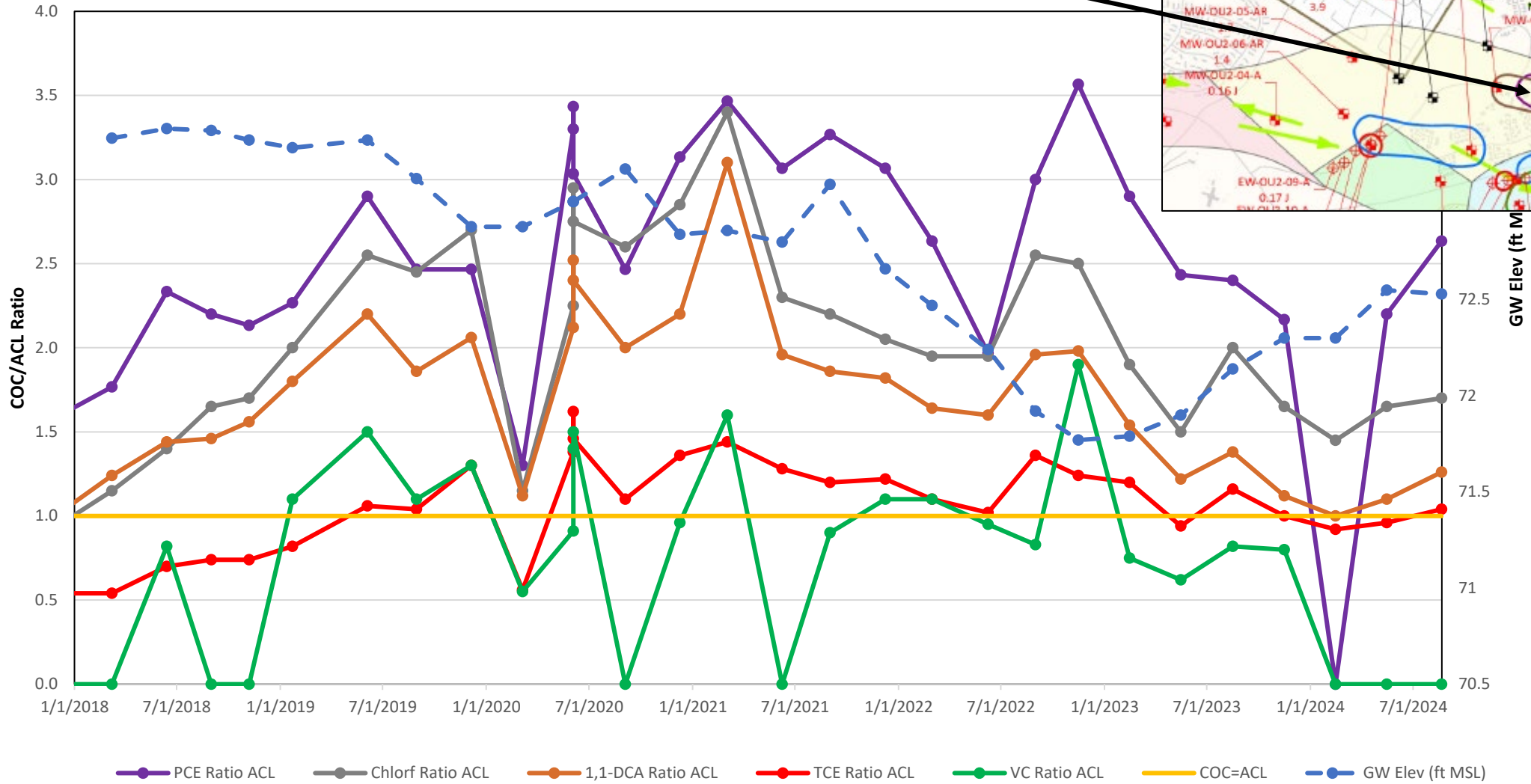
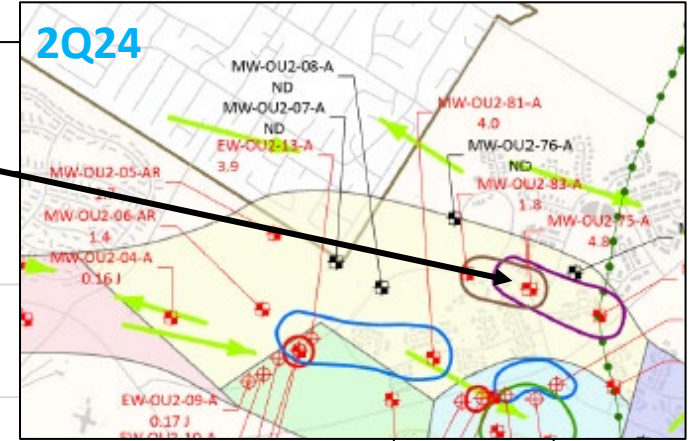


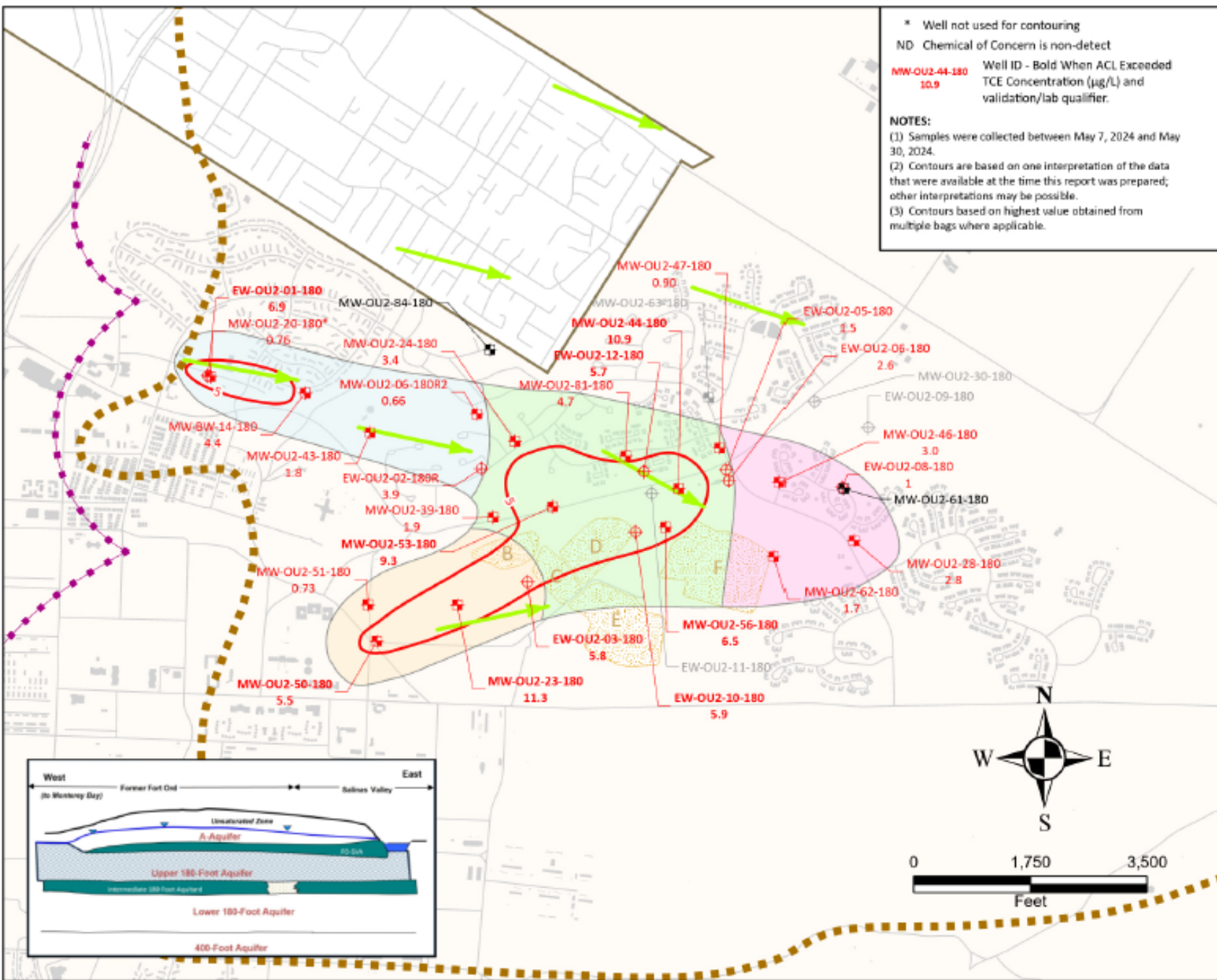
MW-OU2-08-A



- 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

- ⊕ 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**

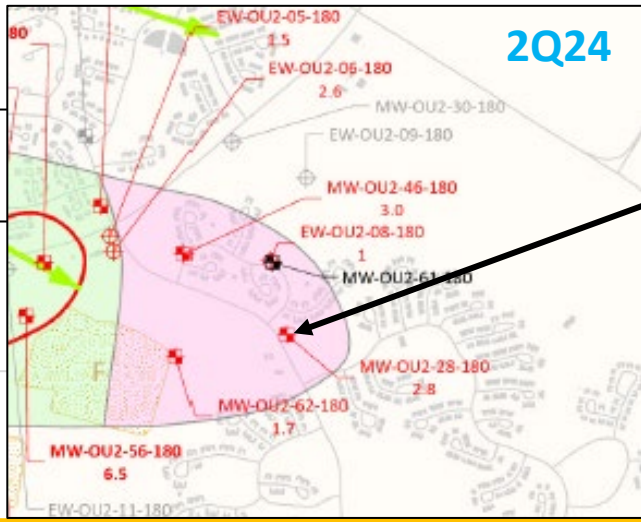
- - - Approximate location of the Upper 180-Foot Aquifer groundwater divide

**OU2 Upper 180-Foot Aquifer Hydraulic Zone**

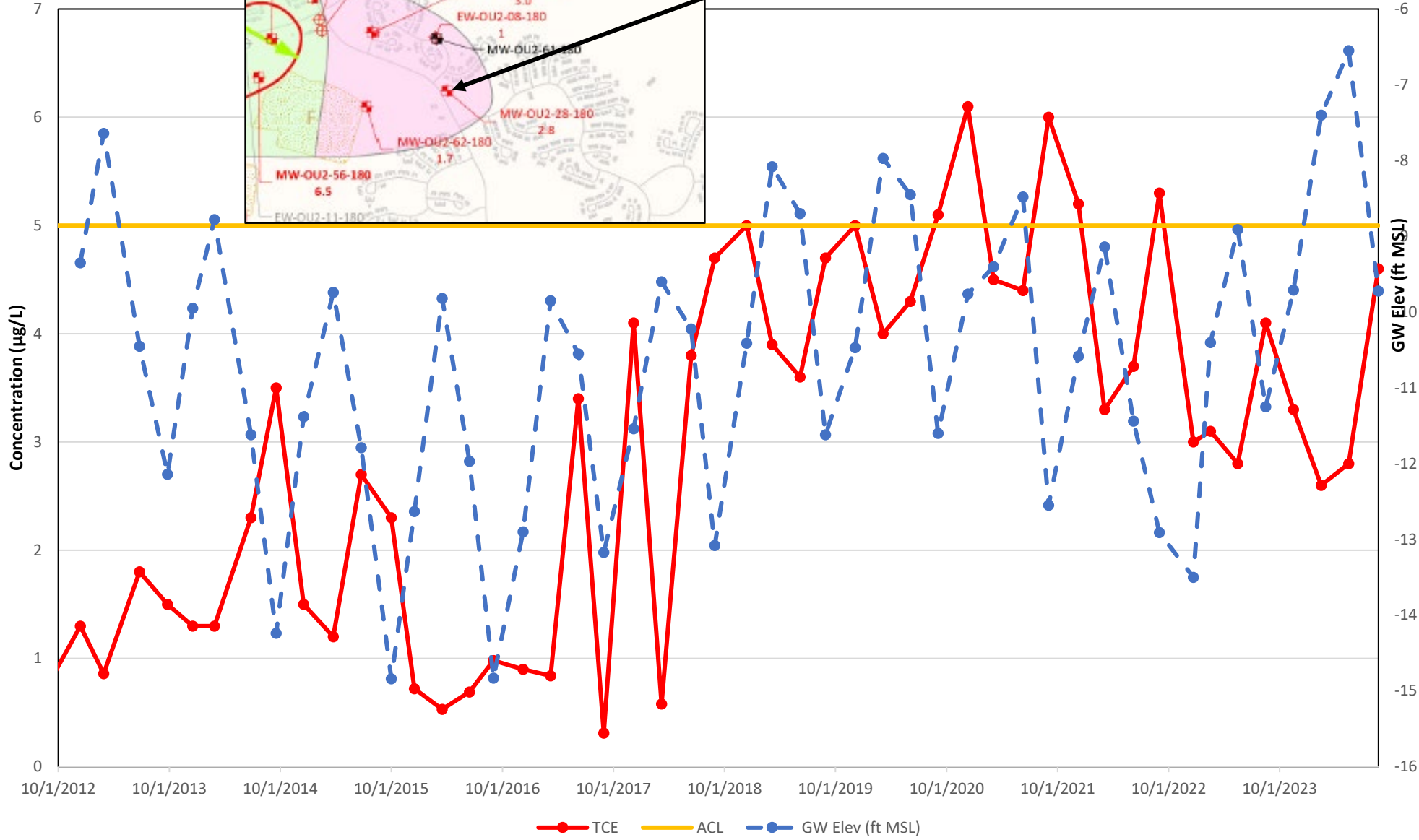
- 6
- 7
- 8
- 9

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



**MW-OU2-28-180**



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