Figures

LEGEND

- REMEDIATION WELL (EXTRACTION)
- REMEDIATION WELL (INJECTION)
- REMEDIATION WELL (NOT PLUMBED INTO SYSTEM CURRENTLY)
- PILOT TEST WELL (EXTRACTION)
- BAT CAVE WASH
- PIPELINE
- REMEDY STRUCTURE

Notes:
1. NTH = National Trails Highway
2. PG&E = Pacific Gas and Electric Company

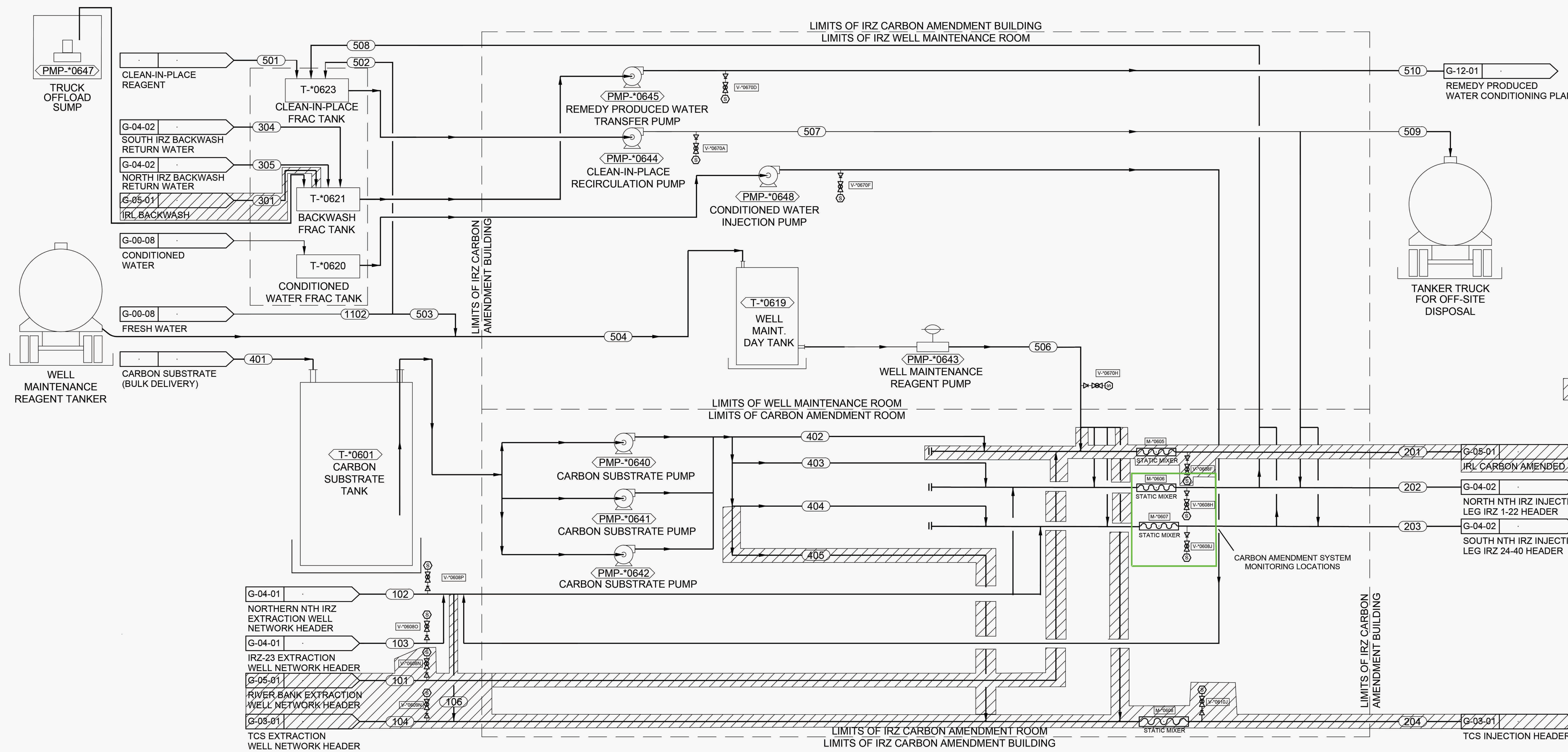
FIRST QUARTER 2026
QUARTERLY PROGRESS REPORT
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

PARTIAL REMEDY SYSTEM LAYOUT

ARCADIS

FIGURE
1.1

T:_ENV\PGE_TOPOCK\GEC\ARC_PRO\GMP\1Q26\FIGURE1_1_PARTIAL REMEDY SYSTEM LAYOUT.APRX 5/21/2026 4:03 PM



NOTES:

1. SPARE HEADERS AND FUTURE PROVISIONAL WELLS ARE NOT SHOWN.
2. CARBON AMENDMENT SYSTEM MONITORING LOCATIONS ARE SHOWN IN GREEN BOX.

ABBREVIATIONS:

BWGW:	BACKWASH GROUNDWATER
CAGW:	CARBON AMENDED GROUNDWATER
CIPR:	CLEAN IN PLACE REAGENT
ETOH:	ETHANOL
EXGW:	EXTRACTED GROUNDWATER
FW:	FRESH WATER
GPD:	GALLONS PER DAY
GPM:	GALLONS PER MINUTE
IRL:	INNER RECIRCULATION LOOP
IRZ:	IN-SITU REACTIVE ZONE
lbs/day	POUNDS PER DAY
mg/L:	MILLIGRAMS PER LITER
NTH:	NATIONAL TRAIL HIGHWAY
TOC:	TOTAL ORGANIC CARBON
TW:	TREATED WATER
WMR:	WELL MAINTENANCE REAGENT
µg/L:	MICROGRAMS PER LITER

TO BE COMPLETED DURING PHASE 2.

ARCADIS

NO.	DATE	DESCRIPTION	GM/SPEC	DWN	CHKD	SUPV	APVD BY	NO.	DATE	DESCRIPTION	GM/SPEC	DWN	CHKD	SUPV	APVD BY

REVISIONS — REVISIONS

APPROVED BY: SO, SUPV, DSGN, DWN, CHKD, OK, DATE, SCALES

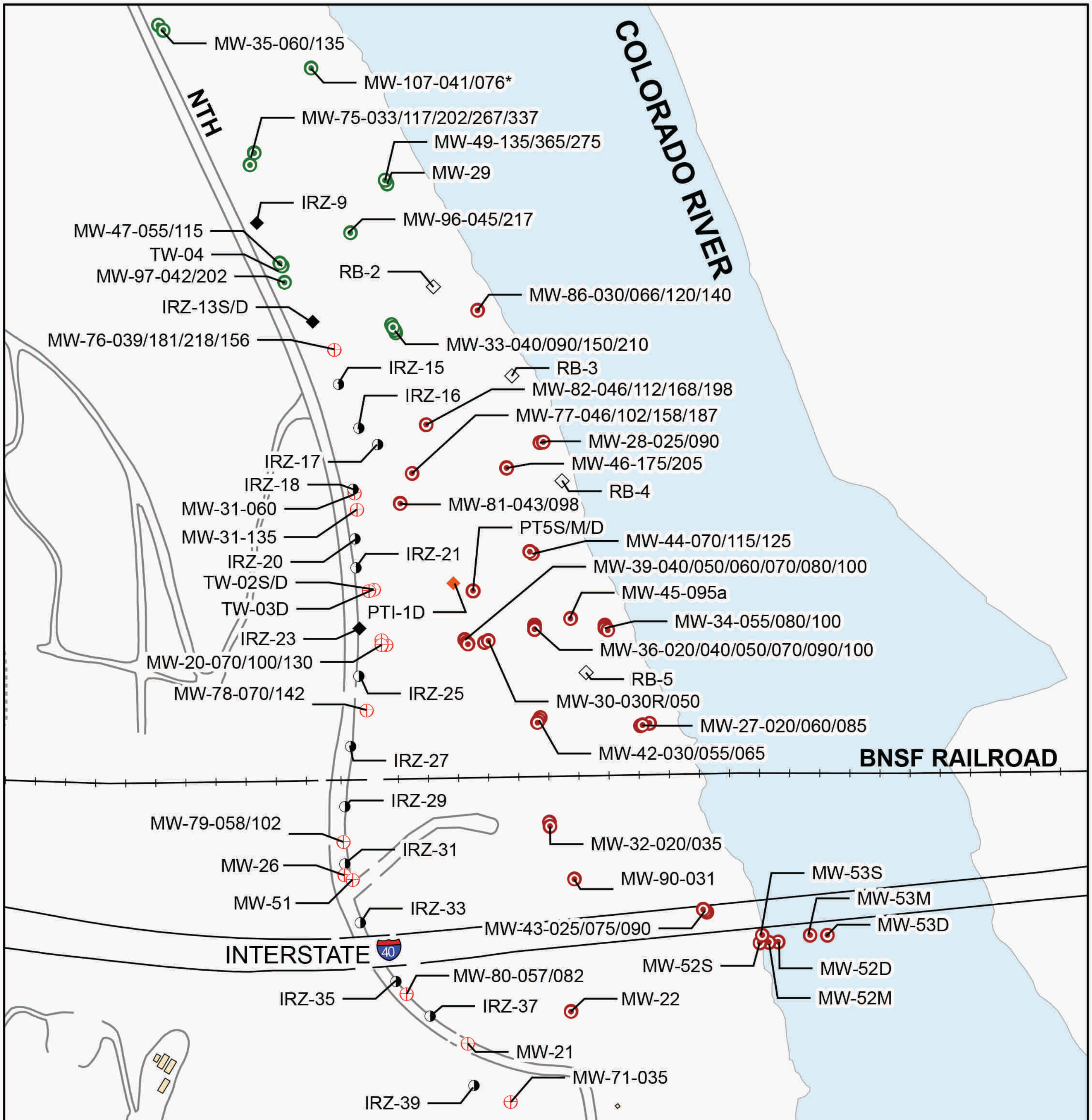
TOPOCK GROUNDWATER REMEDIATION PROJECT

MW-20 BENCH PROCESS FLOW DIAGRAM

GAS TRANSMISSION & DISTRIBUTION
PACIFIC GAS AND ELECTRIC COMPANY
SAN FRANCISCO, CALIFORNIA

MICROFILM
BILL OF MATL
DWG LIST
SUPSDS
SUPSD BY
SHEET NO. of SHEETS
FIGURE 1.2
REV

N1806



LEGEND

- NTH IRZ DOSE RESPONSE MONITORING WELL
- NORTHERN IRZ EXTRACTION MONITORING WELL
- NTH IRZ DOWNGRADIENT MONITORING WELL
- REMEDIATION WELL (INJECTION)
- REMEDIATION WELL (EXTRACTION)
- REMEDIATION WELL (NOT PLUMBED INTO SYSTEM CURRENTLY)
- PILOT TEST WELL (EXTRACTION)

Notes:
1. IRZ = In Situ Reactive Zone
2. NTH = National Trails Highway
3. * = well installed between October and November 2025, and added to the monitoring network starting in December 2025.

N

0 365 730

Feet

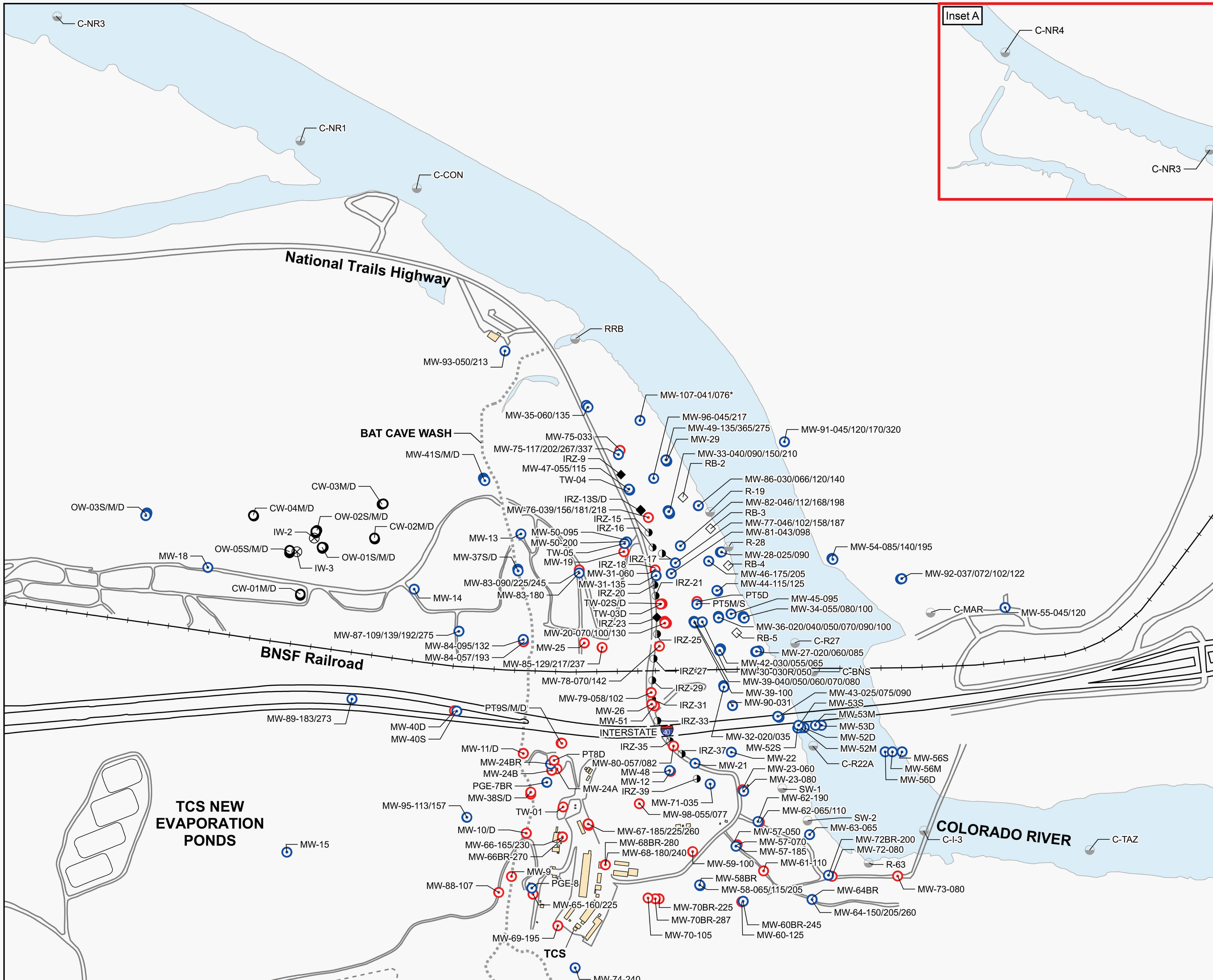
FIRST QUARTER 2026
QUARTERLY PROGRESS REPORT
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

PROCESS CONTROL MONITORING NETWORK

ARCADIS

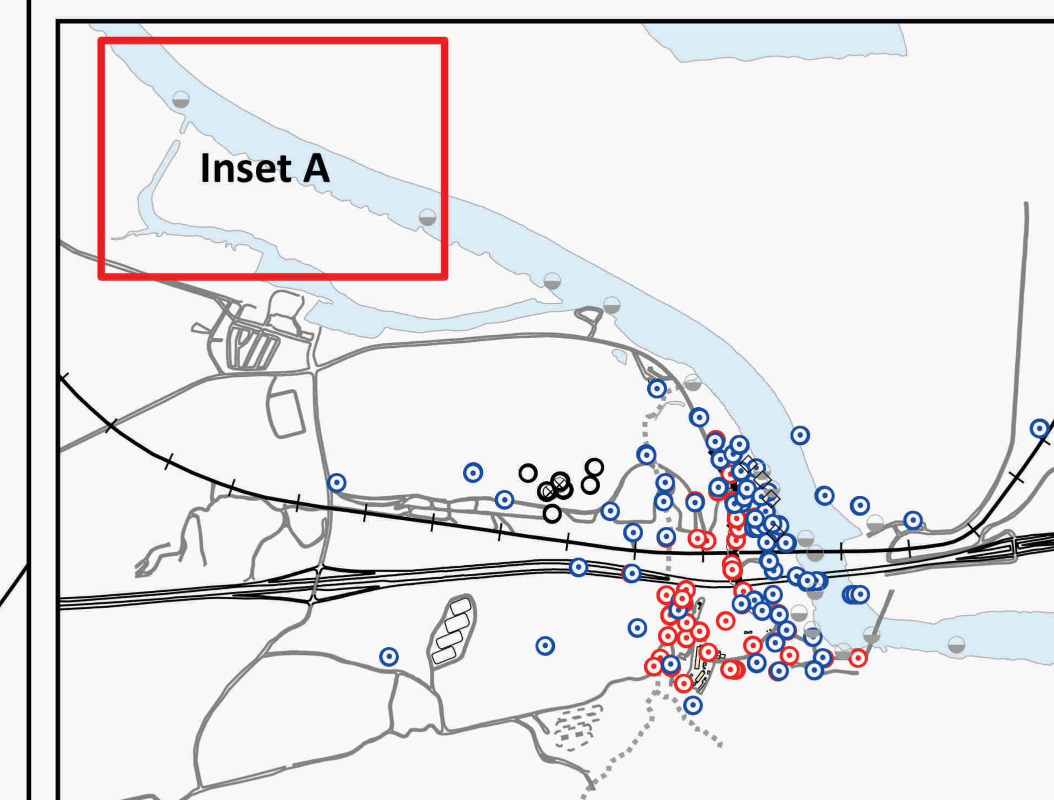
FIGURE
1.3

T:_ENV\PGE_TOPOCK\GEC\ARC_PRO\GMP\1Q26\FIGURE1_3_TO_1_7.APRX 4/14/2026 12:16 PM



LEGEND

- REMEDIATION WELL (INJECTION)
- REMEDIATION WELL (EXTRACTION)
- REMEDIATION WELL (NOT PLUMBED INTO SYSTEM CURRENTLY)
- COMPLIANCE GROUNDWATER MONITORING WELL (INSIDE PLUME)
- COMPLIANCE GROUNDWATER MONITORING WELL (OUTSIDE PLUME)
- FORMER IM-3 MONITORING WELLS
- SURFACE WATER MONITORING LOCATION (INCLUDED IN REMEDY COMPLIANCE MONITORING PROGRAM)
- FORMER IM-3 INJECTION WELLS (NOT INCLUDED IN FORMER IM-3 INJECTION AREA MONITORING PROGRAM)
- BAT CAVE WASH



Notes:
1. IM-3 = Interim Measure No. 3
2. TCS = Topock Compressor Station
3. * = well installed between October and November 2025, and added to the monitoring network starting in December 2025.

N

0 700 1,400

Feet

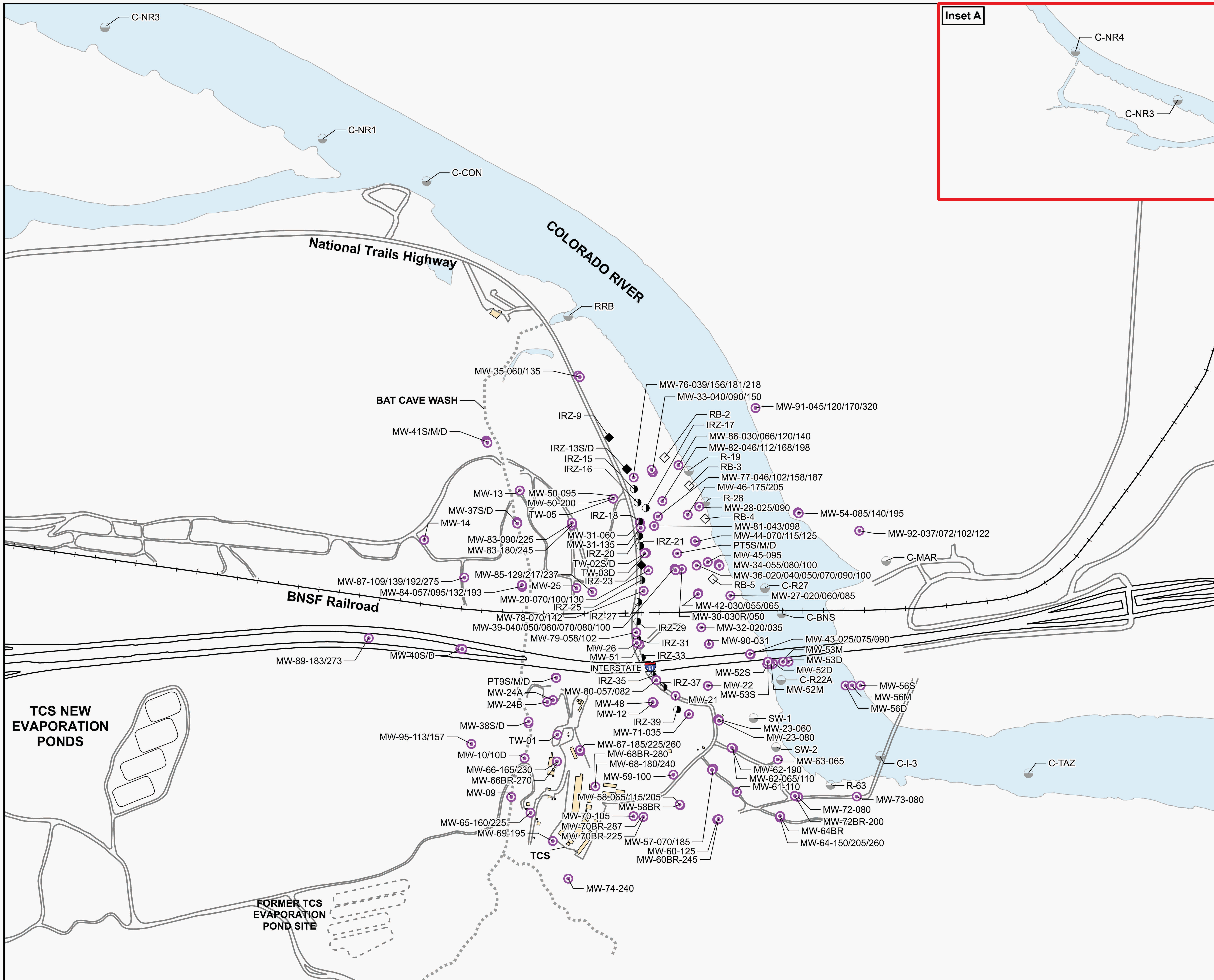
FIRST QUARTER 2026
QUARTERLY PROGRESS REPORT
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

REMEDY COMPLIANCE MONITORING NETWORK

ARCADIS

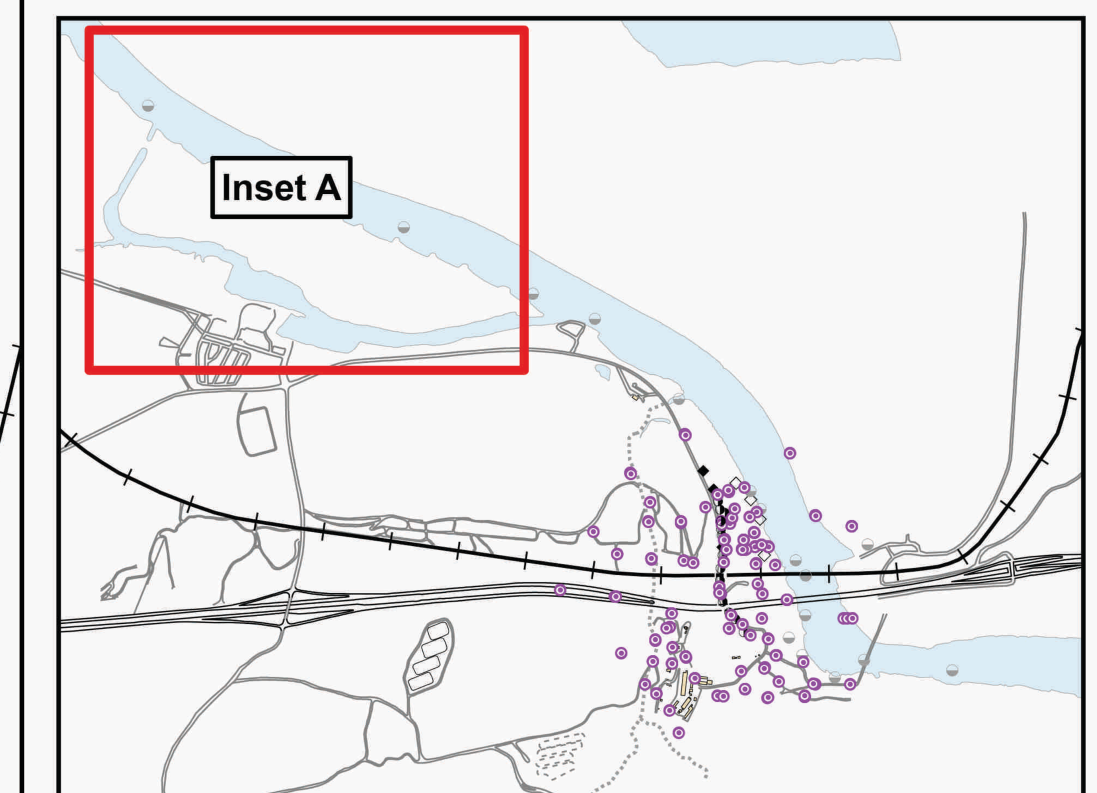
FIGURE
1.4

\\ARCADIS-US.COM\APP\GIS\PROCESSING_ENV\PGE_TOPOCK\GEC\ARC_PRO\GMP\1Q26\FIGURE1_3_TO_1_7.APRX 4/13/2026 4:14 PM



LEGEND

- REMEDIATION WELL (EXTRACTION)
- REMEDIATION WELL (INJECTION)
- REMEDIATION WELL (NOT PLUMBED INTO SYSTEM CURRENTLY)
- SURFACE WATER MONITORING LOCATION (INCLUDED IN COPC MONITORING PROGRAM)
- COPC MONITORING WELL
- BAT CAVE WASH



Notes:
1. COPC = constituent of potential concern
2. TCS = Topock Compressor Station

N

0 500 1,000

Feet

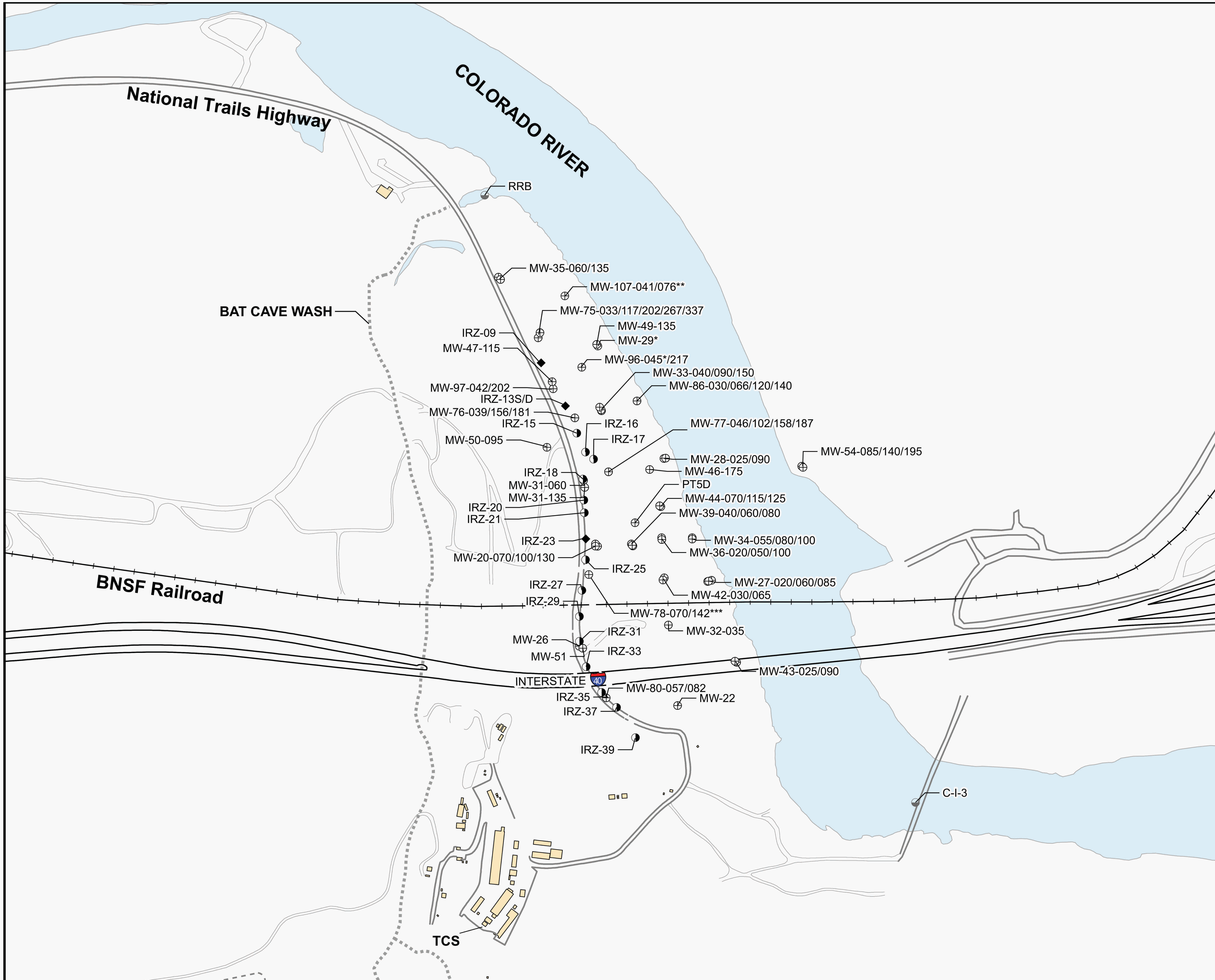
FIRST QUARTER 2026
QUARTERLY PROGRESS REPORT
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

COPC MONITORING NETWORK

ARCADIS

FIGURE
1.5

\\ARCADIS-US.COM\APP\GIS\PROCESSING_ENV\PGE_TOPOCK\GEC\ARC_PRO\GMP\1Q26\FIGURE1_3_TO_1_7.APRX 4/13/2026 4:14 PM



LEGEND

- GROUNDWATER MONITORING WELL WITH A PRESSURE TRANSDUCER
- SURFACE WATER MONITORING LOCATION WITH A PRESSURE TRANSDUCER
- REMEDIATION WELL (INJECTION)
- REMEDIATION WELL (EXTRACTION)
- BAT CAVE WASH

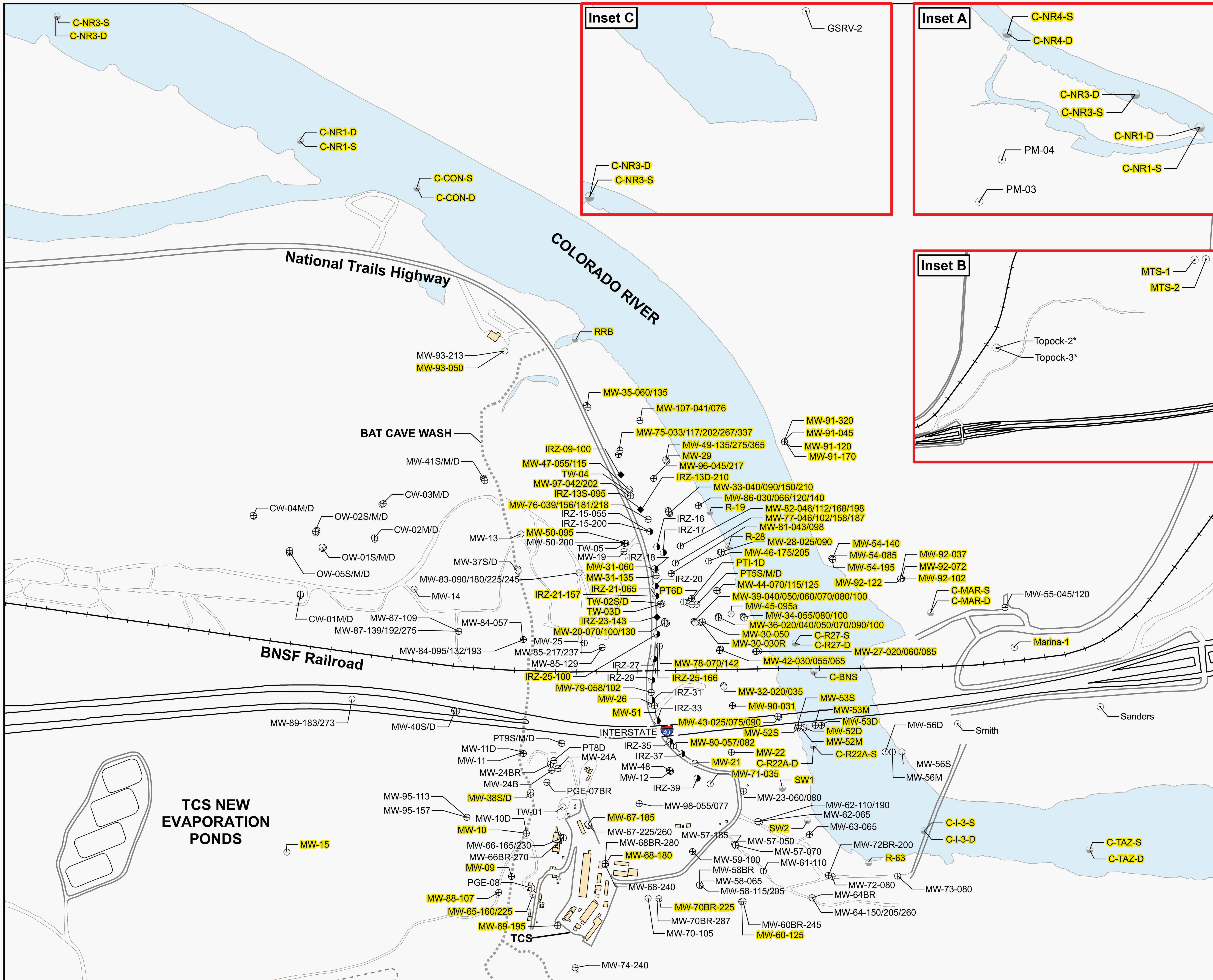
Notes:
1. TCS = Topock Compressor Station
2. * = location was added for the IRZ-9 Extended Aquifer Test and continues to be monitored
3. ** = well installed between October and November 2025, and added to the monitoring network starting in December 2025
4. *** = location was added in First Quarter 2026

FIRST QUARTER 2026
QUARTERLY PROGRESS REPORT
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

PRESSURE TRANSDUCER MONITORING NETWORK

ARCADIS

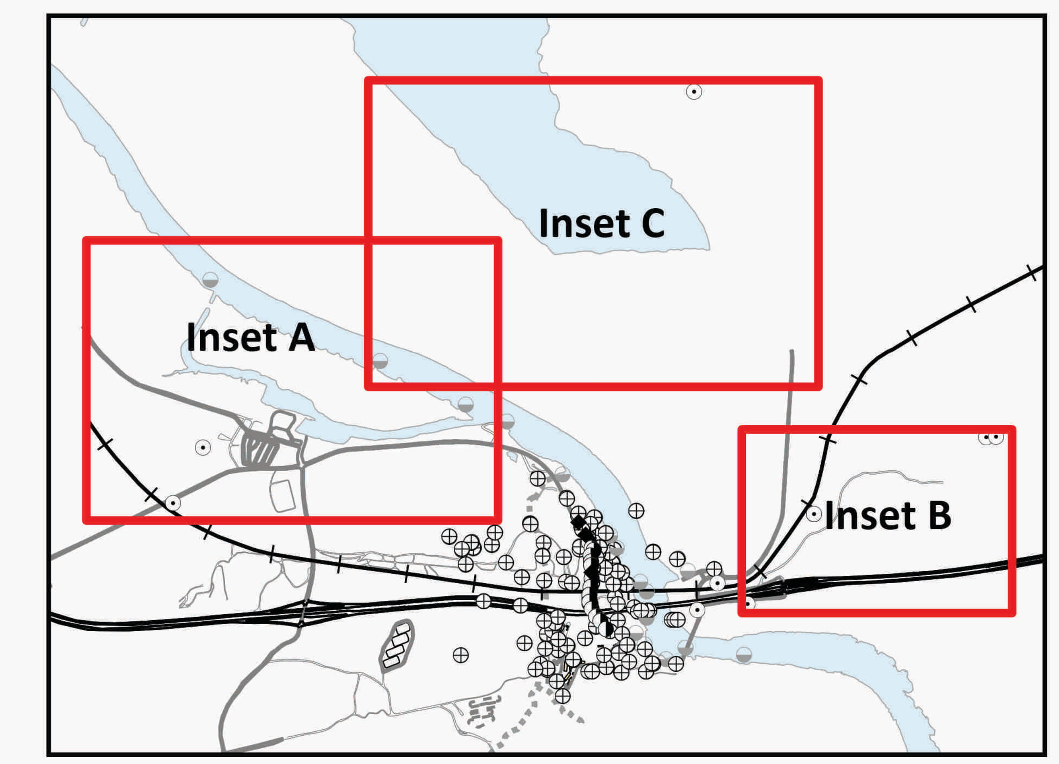
FIGURE
1.6



LEGEND

- GROUNDWATER MONITORING WELL
- SURFACE MONITORING WELL LOCATION
- REMEDIATION WELL (INJECTION)
- REMEDIATION WELL (EXTRACTION)
- PILOT TEST WELL (EXTRACTION)
- DOMESTIC WELL LOCATION
- BAT CAVE WASH

MW-69-195 = location sampled in First Quarter 2026
MW-57-185 = location not sampled in First Quarter 2026
* = location was supposed to be sampled in First Quarter 2026, but sample could not be collected



Note:
1. TCS = Topock Compressor Station

FIRST QUARTER 2026
QUARTERLY PROGRESS REPORT
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

PHASE 1 MONITORING PROGRAM: FIRST QUARTER 2026

ARCADIS

FIGURE
1.7

T:_ENV\PGE_TOPOCK\GEC\ARC_PRO\GMP\1Q26\FIGURE1_3_TO_1_7.APRX 5/27/2026 11:53 AM

LEGEND

- NTH IRZ DOSE RESPONSE MONITORING WELL
- NORTHERN IRZ EXTRACTION MONITORING WELL
- NTH IRZ DOWNGRADIENT MONITORING WELL
- MONITORING WELL
- REMEDIATION WELL (INJECTION)
- REMEDIATION WELL (EXTRACTION)
- REMEDIATION WELL (EXTRACTION) NOT SCREENED IN THIS INTERVAL
- OPERATING 80-100% UPTIME
- OPERATING 65-79% UPTIME
- OPERATING 15-64% UPTIME
- GROUNDWATER FLOW DIRECTION
- BAT CAVE WASH
- ESTIMATE GROUNDWATER ELEVATION CONTOUR 0.2 Foot
- APPROXIMATE BEDROCK CONTACT (PER DEPTH INTERVAL)

Notes:

1. IRZ = In-Situ Reactive Zone.
2. NTH = National Trails Highway.
3. Water elevation is in feet above mean sea level (feet amsl).
4. An asterisk (*) indicates a well was not used for contouring.
5. NA = Average monthly groundwater elevation unavailable.

N

0 300 600

Feet

FIRST QUARTER 2026
QUARTERLY PROGRESS REPORT
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

LAYER 1 (425 – 455) & LAYER 2 (400 – 425) AVERAGE POTENTIOMETRIC SURFACE: DECEMBER 2025, JANUARY, FEBRUARY 2026

ARCADIS

FIGURE
2.1a

City: Citrix Div/Group: IM Created By: K. SINSABAUGH Last Saved By: berap1012
Topock (RC000753.802D.Q4182)
T:_ENVPGE_Topock\GEC\ARC_PROPOT\1Q26\Figure 2.1a – Average Potentiometric Surface – Layer 1 and 2 – DECEMBER 2025, JANUARY, FEBRUARY 2026.aprx 5/19/2026 10:41 AM

LEGEND

- NTH IRZ DOSE RESPONSE MONITORING WELL
- NORTHERN IRZ EXTRACTION MONITORING WELL
- NTH IRZ DOWNGRADIENT MONITORING WELL
- MONITORING WELL
- REMEDIATION WELL (INJECTION)
- REMEDIATION WELL (EXTRACTION)
- REMEDIATION WELL (EXTRACTION) NOT SCREENED IN THIS INTERVAL
- OPERATING 80-100% UPTIME
- OPERATING 65-79% UPTIME
- OPERATING 15-64% UPTIME
- GROUNDWATER FLOW DIRECTION
- ESTIMATE GROUNDWATER ELEVATION CONTOUR 0.2 Foot
- APPROXIMATE BEDROCK CONTACT (PER DEPTH INTERVAL)

Notes:
1. IRZ = In-Situ Reactive Zone.
2. NTH = National Trails Highway.
3. Water elevation is in feet above mean sea level (feet amsl).
4. An asterisk (*) indicates a well was not used for contouring.
5. NA = Average monthly groundwater elevation unavailable.

N

0 310 620
Feet

FIRST QUARTER 2026
QUARTERLY PROGRESS REPORT
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

LAYER 3 (350 - 400)
AVERAGE POTENTIOMETRIC SURFACE:
DECEMBER 2025, JANUARY, FEBRUARY 2026

ARCADIS

FIGURE
2.1b

City: Citrix Div/Group: IM Created By: K. SINSABAUGH Last Saved By: berap1012
Topock (RC000753.802D.Q4182)
T:_ENVPGE_Topock\GEC\ARC_PRO\POTI\1Q26\Figure 2.1b – Average Potentiometric Surface – Layer 3 – DECEMBER 2025, JANUARY, FEBRUARY 2026.aprx 6/3/2026 10:13 AM

LEGEND

- NTH IRZ DOSE RESPONSE MONITORING WELL
- NORTHERN IRZ EXTRACTION MONITORING WELL
- NTH IRZ DOWNGRADIENT MONITORING WELL
- MONITORING WELL
- REMEDIATION WELL (INJECTION)
- REMEDIATION WELL (EXTRACTION)
- REMEDIATION WELL (EXTRACTION) NOT SCREENED IN THIS INTERVAL
- OPERATING 80-100% UPTIME
- OPERATING 65-79% UPTIME
- OPERATING 15-64% UPTIME
- GROUNDWATER FLOW DIRECTION
- ESTIMATE GROUNDWATER ELEVATION CONTOUR 0.2 Foot
- APPROXIMATE BEDROCK CONTACT (PER DEPTH INTERVAL)

Notes:
1. IRZ = In-Situ Reactive Zone.
2. NTH = National Trails Highway.
3. Water elevation is in feet above mean sea level (feet amsl).
4. An asterisk (*) indicates a well was not used for contouring.
5. NA = Average monthly groundwater elevation unavailable.

N

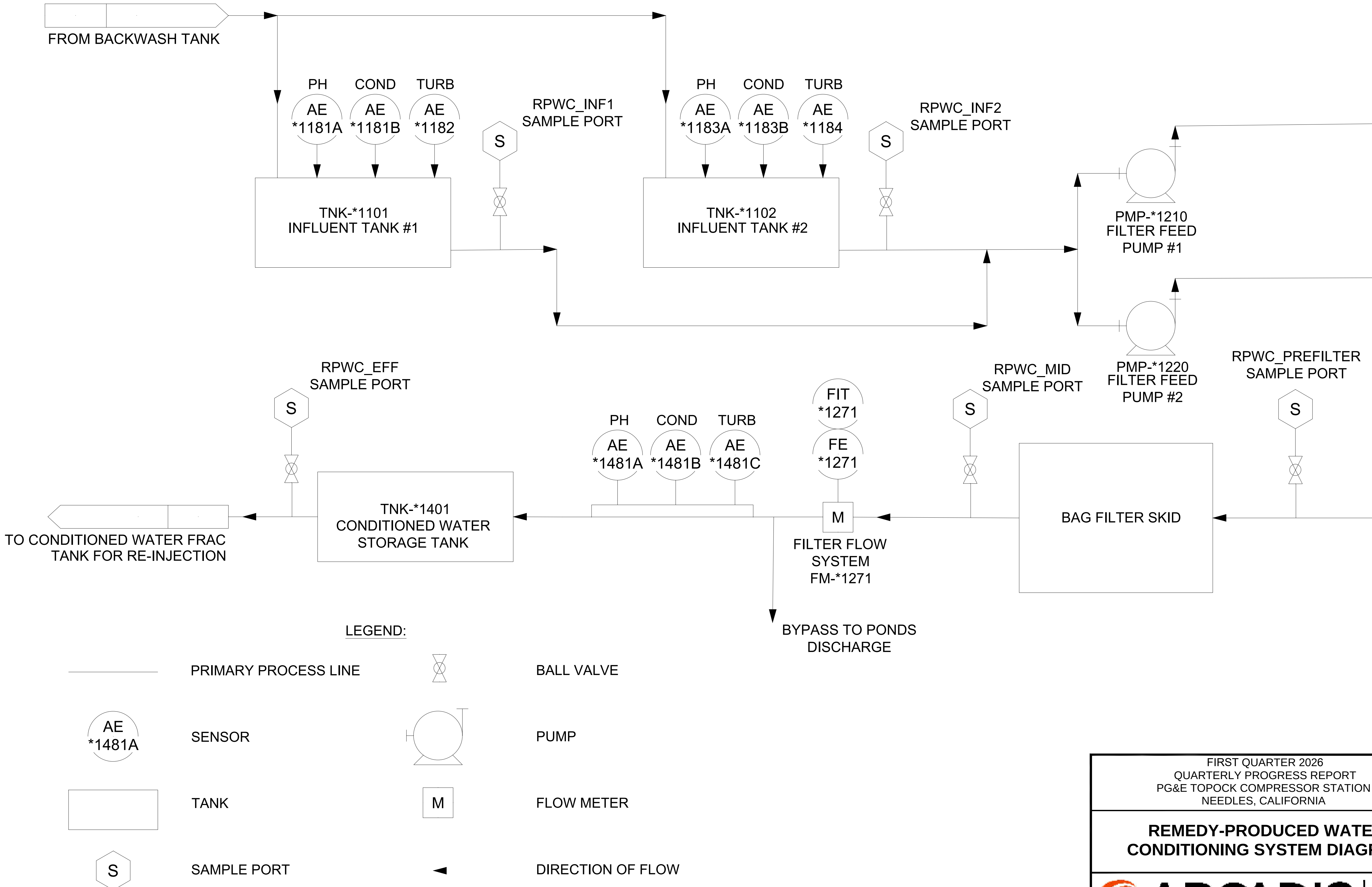
0 310 620
Feet

FIRST QUARTER 2026
QUARTERLY PROGRESS REPORT
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

LAYER 4 (300 – 350) & LAYER 5 (250 – 300) AVERAGE POTENTIOMETRIC SURFACE: DECEMBER 2025, JANUARY, FEBRUARY 2026

ARCADIS

FIGURE
2.1c



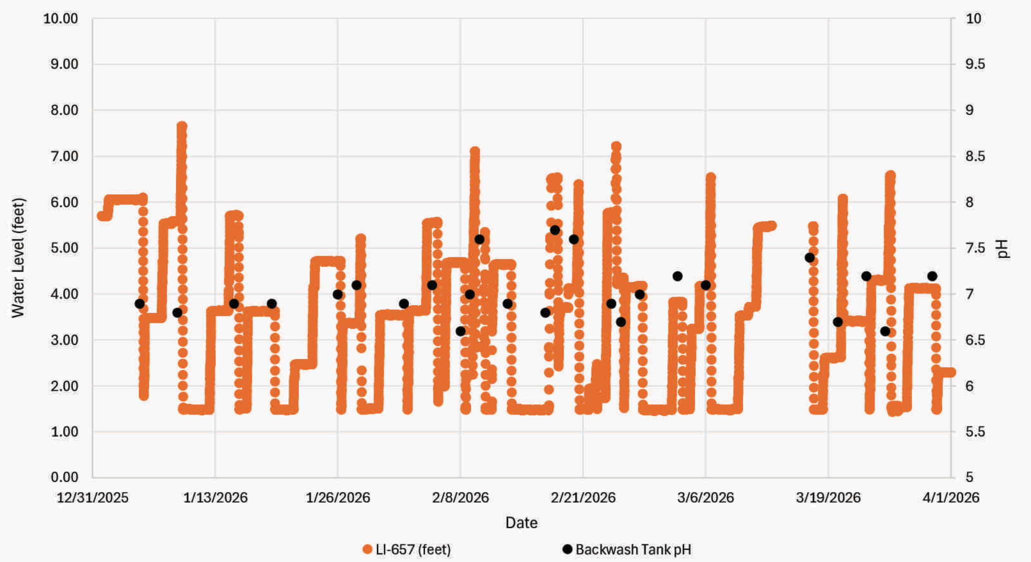
FIRST QUARTER 2026
QUARTERLY PROGRESS REPORT
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

REMEDY-PRODUCED WATER CONDITIONING SYSTEM DIAGRAM

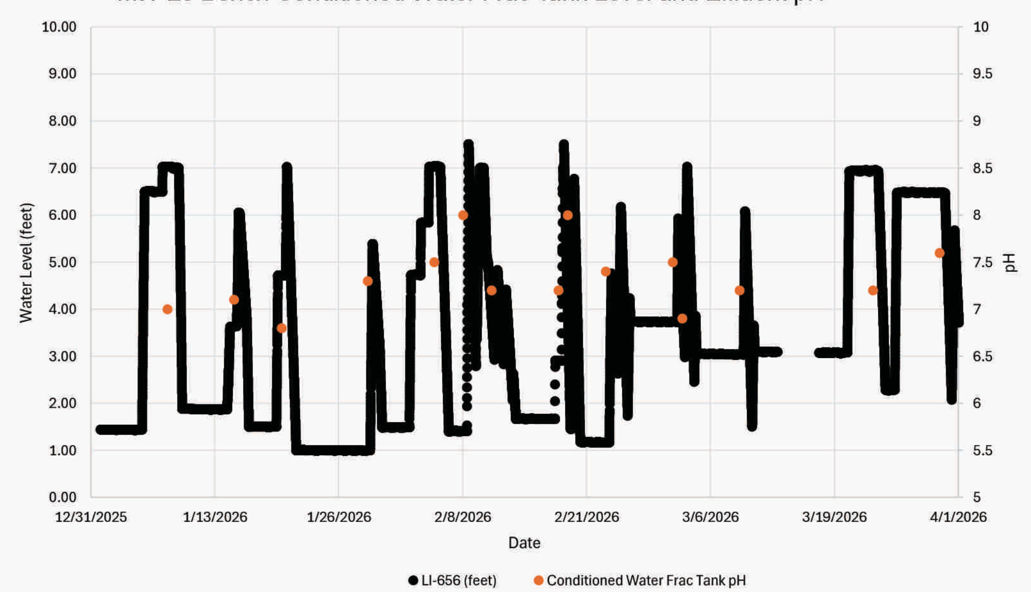
ARCADIS

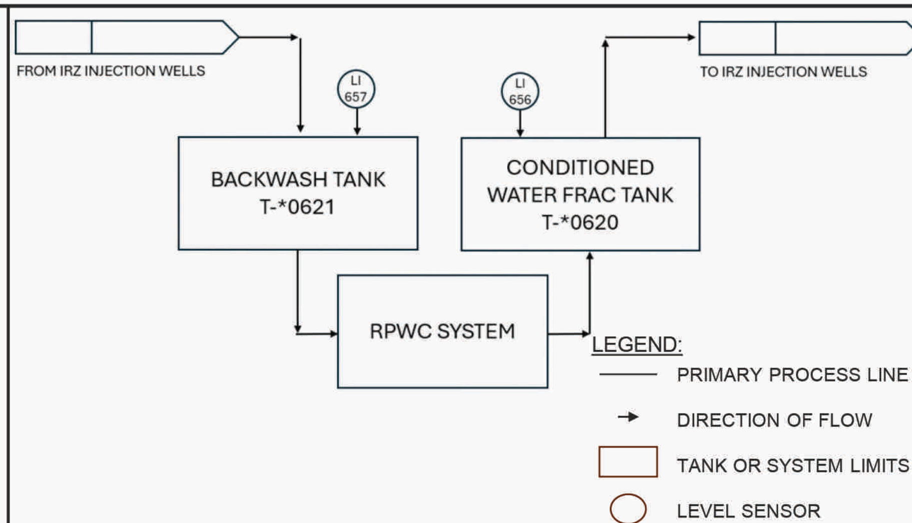
FIGURE
2.2

MW-20 Bench Backwash Tank Level and Influent pH

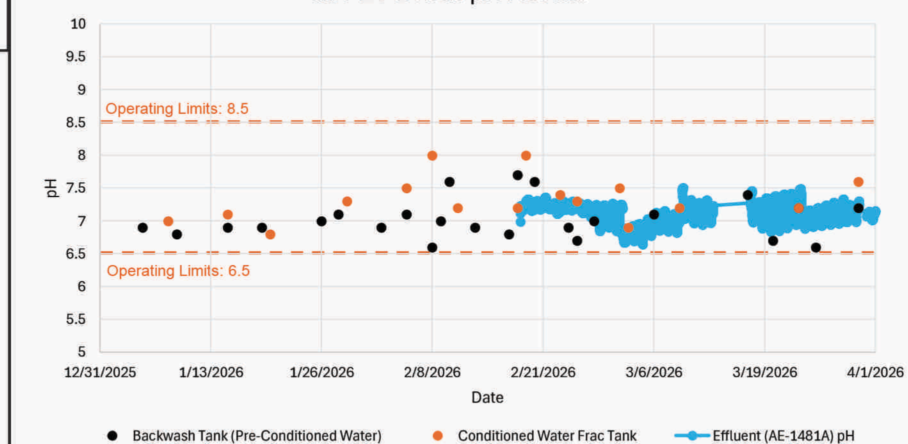


MW-20 Bench Conditioned Water Frac Tank Level and Effluent pH





MW-20 Bench pH Results



Notes:
1. AE-1481A (pH probe) location is shown on Figure 2.2.
2. IRZ = in situ reactive zone
3. RPWC = remedy-produced water conditioning
4. The RPWC consists of two influent tanks, a bag filter skid, and a conditioned water storage tank. Remedy-produced water is processed through these tanks prior to being pumped to the conditioned water frac tank at the MW-20 bench.

FIRST QUARTER 2026
QUARTERLY PROGRESS REPORT
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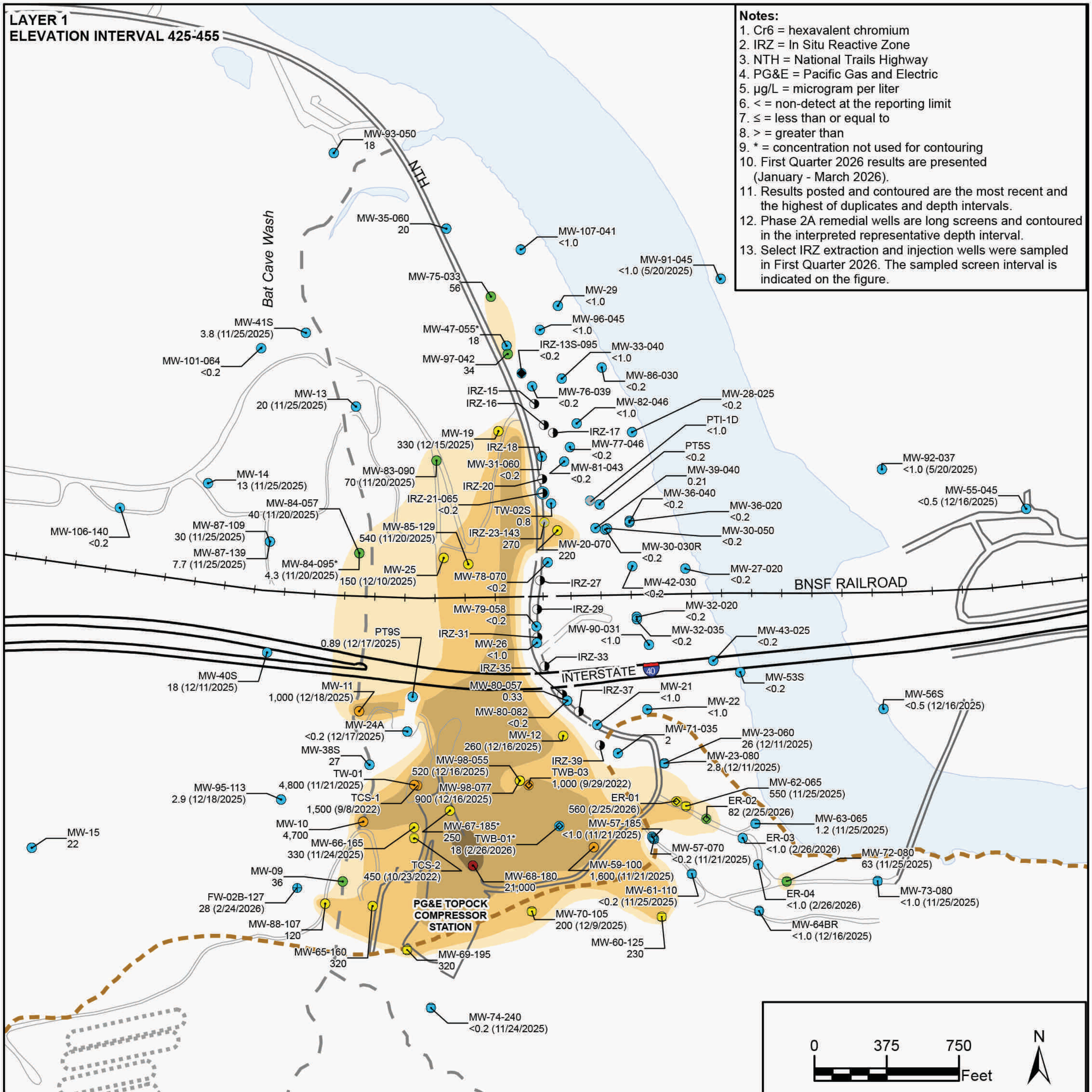
MW-20 BENCH SYSTEM pH RESULTS

ARCADIS

FIGURE
2.3

5/15/2026 11:52:39 AM



Notes:
1. Cr6 = hexavalent chromium
2. IRZ = In Situ Reactive Zone
3. NTH = National Trails Highway
4. PG&E = Pacific Gas and Electric
5. µg/L = microgram per liter
6. < = non-detect at the reporting limit
7. ≤ = less than or equal to
8. > = greater than
9. * = concentration not used for contouring
10. First Quarter 2026 results are presented (January - March 2026).
11. Results posted and contoured are the most recent and the highest of duplicates and depth intervals.
12. Phase 2A remedial wells are long screens and contoured in the interpreted representative depth interval.
13. Select IRZ extraction and injection wells were sampled in First Quarter 2026. The sampled screen interval is indicated on the figure.

LEGEND

- GROUNDWATER MONITORING WELL
- GROUNDWATER WELL COMPLETED IN BEDROCK
- NTH IRZ INJECTION WELL
- NTH IRZ EXTRACTION WELL
- PHASE 2A INJECTION WELL
- PHASE 2A EXTRACTION WELL
- PHASE 2A FRESHWATER INJECTION WELL
- REMEDIATION WELL (EXTRACTION) NOT SCREENED IN THIS INTERVAL
- BAT CAVE WASH
- APPROXIMATE BEDROCK CONTACT (PER DEPTH INTERVAL)

MW-71-035 — WELL ID
2 — CR6 CONCENTRATION IN µg/L

Cr6 Concentrations

- ≤ 32 µg/L (or not detected)
- 32 - 100 µg/L
- 100 - 1,000 µg/L
- 1,000 - 10,000 µg/L
- > 10,000 µg/L

Cr6 contours

- 32 µg/L
- 100 µg/L
- 1,000 µg/L
- 10,000 µg/L

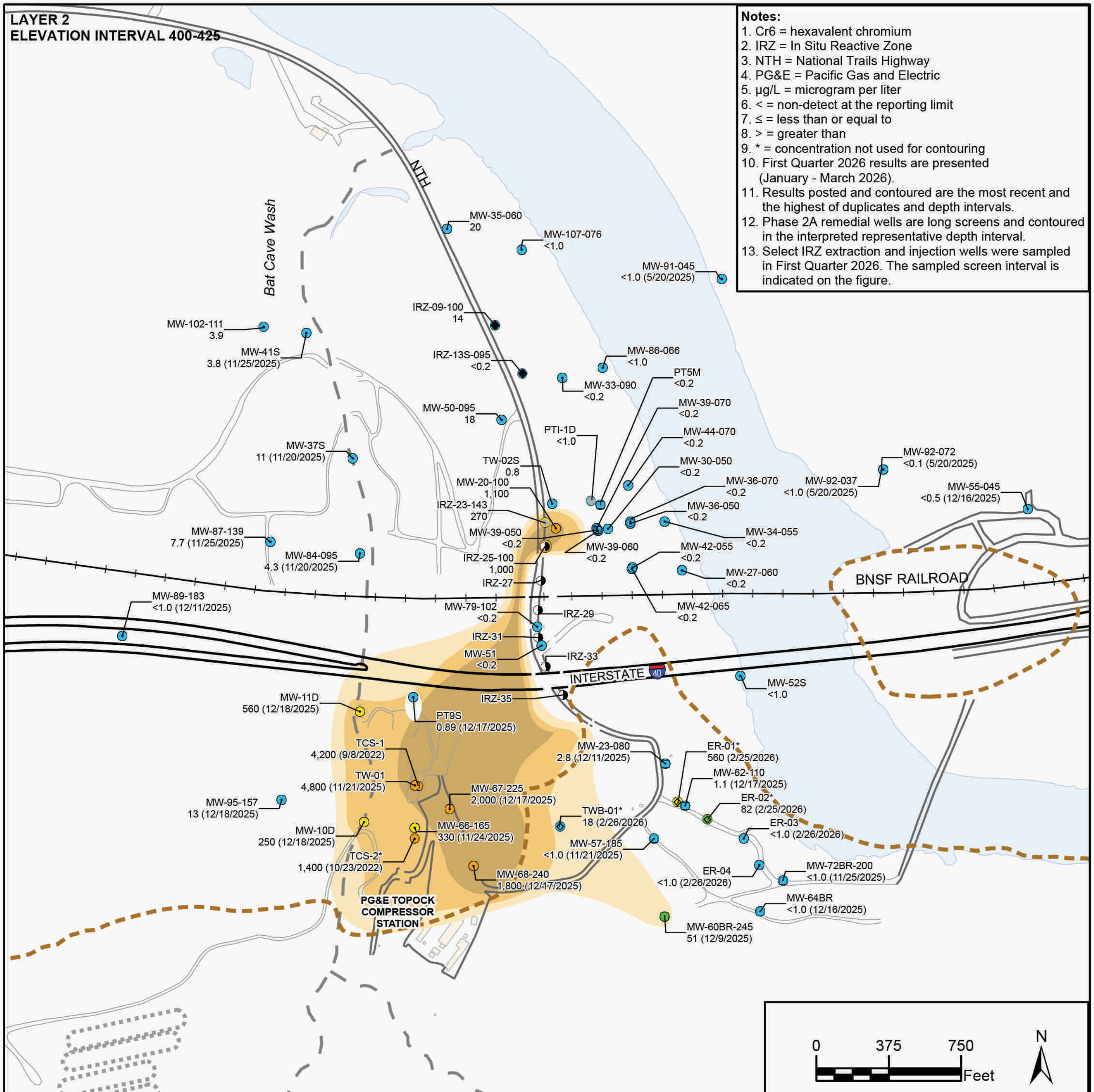
FIRST QUARTER 2026
QUARTERLY PROGRESS REPORT
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

CR6 CONCENTRATIONS IN GROUNDWATER BY ELEVATION INTERVAL: LAYER 1

ARCADIS

FIGURE
3.1a

T:_ENV\PGE_TOPOCK\GEC\ARC_PRO\GMP\1Q26\FIGURE_3_1_A_B_C_D_&_E.APRX 5/21/2026 4:55 PM



Notes:

1. Cr6 = hexavalent chromium
2. IRZ = In Situ Reactive Zone
3. NTH = National Trails Highway
4. PG&E = Pacific Gas and Electric
5. µg/L = microgram per liter
6. < = non-detect at the reporting limit
7. ≤ = less than or equal to
8. > = greater than
9. * = concentration not used for contouring
10. First Quarter 2026 results are presented (January - March 2026).
11. Results posted and contoured are the most recent and the highest of duplicates and depth intervals.
12. Phase 2A remedial wells are long screens and contoured in the interpreted representative depth interval.
13. Select IRZ extraction and injection wells were sampled in First Quarter 2026. The sampled screen interval is indicated on the figure.

LEGEND

- GROUNDWATER MONITORING WELL
- GROUNDWATER WELL COMPLETED IN BEDROCK
- NTH IRZ INJECTION WELL
- NTH IRZ EXTRACTION WELL
- REMEDIATION WELL (EXTRACTION) NOT SCREENED IN THIS INTERVAL
- PHASE 2A INJECTION WELL
- PHASE 2A EXTRACTION WELL
- BAT CAVE WASH
- APPROXIMATE BEDROCK CONTACT (PER DEPTH INTERVAL)
- MW-51 — WELL ID
- <0.2 — CR6 CONCENTRATION IN µg/L

Cr6 Concentrations

- ≤ 32 µg/L (or not detected)
- 32 - 100 µg/L
- 100 - 1,000 µg/L
- 1,000 - 10,000 µg/L
- > 10,000 µg/L

Cr6 contours

- 32 µg/L
- 100 µg/L
- 1,000 µg/L
- 10,000 µg/L

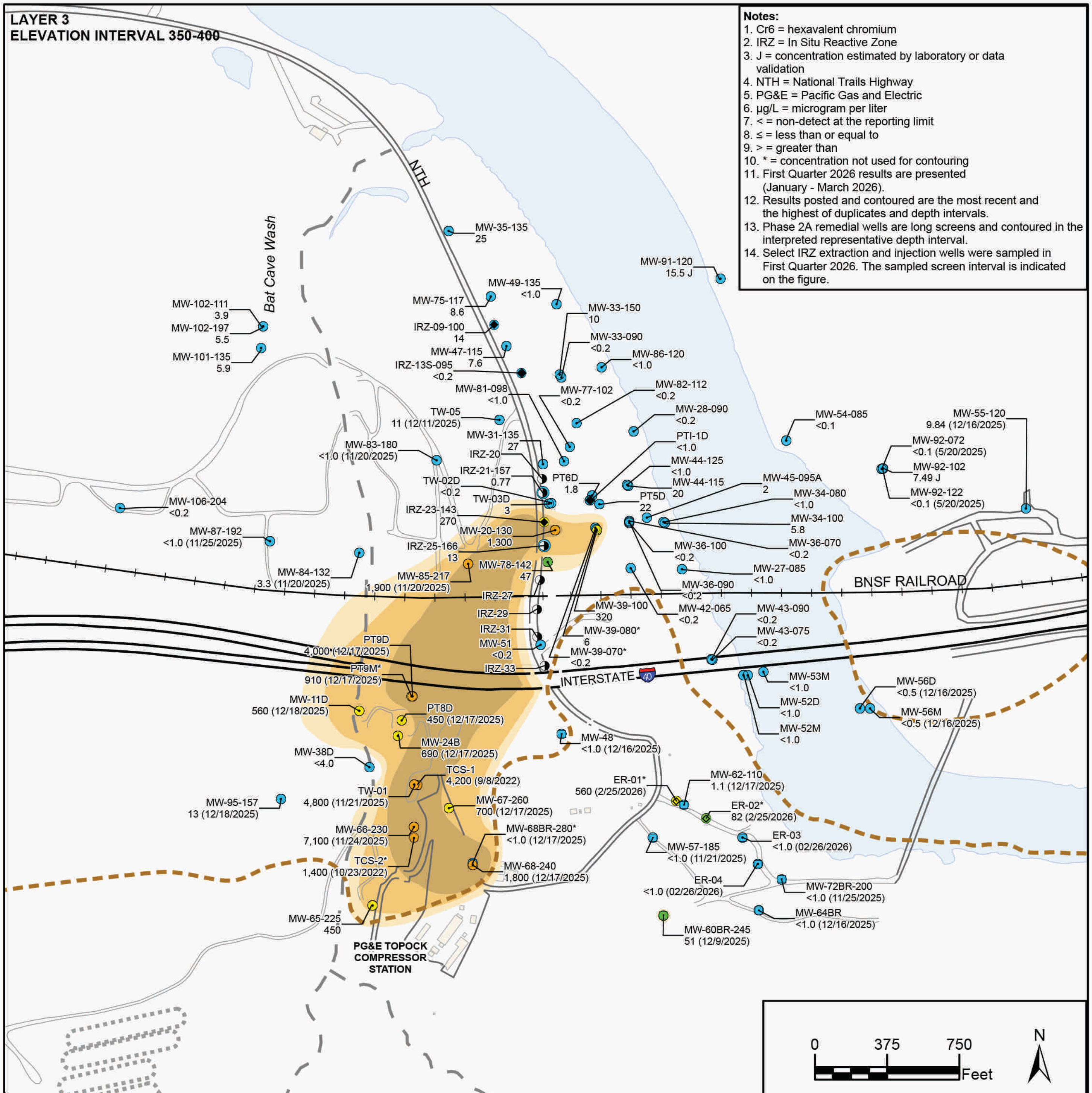
FIRST QUARTER 2026
QUARTERLY PROGRESS REPORT
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

CR6 CONCENTRATIONS IN GROUNDWATER BY ELEVATION INTERVAL: LAYER 2

ARCADIS

FIGURE
3.1b

T:_ENV\PGE_TOPOCK\GEC\ARC_PRO\GMP\1Q26\FIGURE_3_1_A_B_C_D_&_E.APRX 5/21/2026 4:55 PM



Notes:
1. Cr6 = hexavalent chromium
2. IRZ = In Situ Reactive Zone
3. J = concentration estimated by laboratory or data validation
4. NTH = National Trails Highway
5. PG&E = Pacific Gas and Electric
6. µg/L = microgram per liter
7. < = non-detect at the reporting limit
8. ≤ = less than or equal to
9. > = greater than
10. * = concentration not used for contouring
11. First Quarter 2026 results are presented (January - March 2026).
12. Results posted and contoured are the most recent and the highest of duplicates and depth intervals.
13. Phase 2A remedial wells are long screens and contoured in the interpreted representative depth interval.
14. Select IRZ extraction and injection wells were sampled in First Quarter 2026. The sampled screen interval is indicated on the figure.

LEGEND

- GROUNDWATER MONITORING WELL
- GROUNDWATER WELL COMPLETED IN BEDROCK
- NTH IRZ INJECTION WELL
- NTH IRZ EXTRACTION WELL
- PHASE 2A INJECTION WELL
- PHASE 2A EXTRACTION WELL
- BAT CAVE WASH
- APPROXIMATE BEDROCK CONTACT (PER DEPTH INTERVAL)

MW-35-135 —— WELL ID
25 —— CR6 CONCENTRATION IN µg/L

Cr6 Concentrations

- ≤ 32 µg/L (or not detected)
- 32 - 100 µg/L
- 100 - 1,000 µg/L
- 1,000 - 10,000 µg/L
- > 10,000 µg/L

Cr6 contours

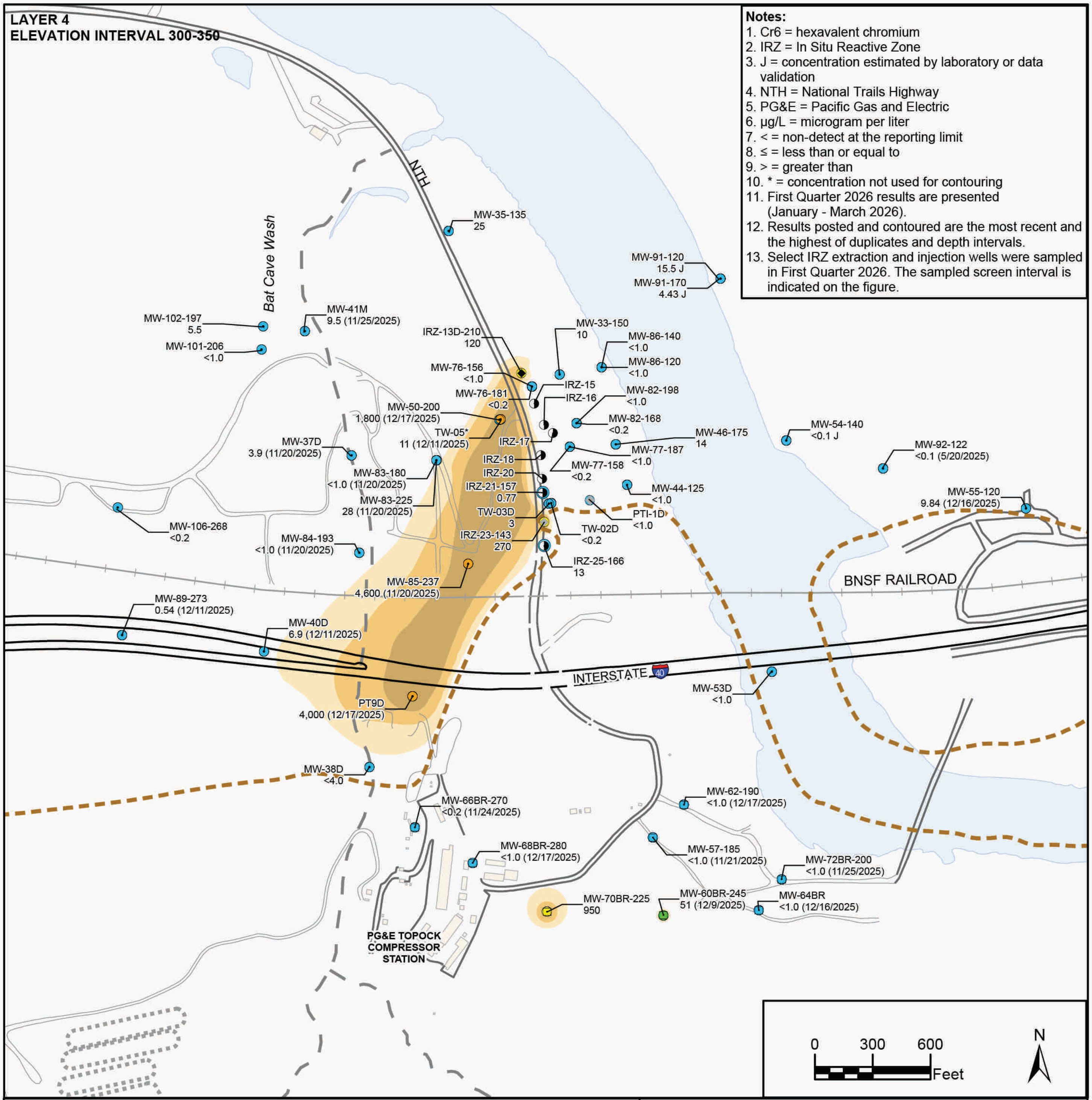
- 32 µg/L
- 100 µg/L
- 1,000 µg/L
- 10,000 µg/L

FIRST QUARTER 2026
QUARTERLY PROGRESS REPORT
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

CR6 CONCENTRATIONS IN GROUNDWATER BY ELEVATION INTERVAL: LAYER 3

ARCADIS

FIGURE
3.1c



Notes:
1. Cr6 = hexavalent chromium
2. IRZ = In Situ Reactive Zone
3. J = concentration estimated by laboratory or data validation
4. NTH = National Trails Highway
5. PG&E = Pacific Gas and Electric
6. µg/L = microgram per liter
7. < = non-detect at the reporting limit
8. ≤ = less than or equal to
9. > = greater than
10. * = concentration not used for contouring
11. First Quarter 2026 results are presented (January - March 2026).
12. Results posted and contoured are the most recent and the highest of duplicates and depth intervals.
13. Select IRZ extraction and injection wells were sampled in First Quarter 2026. The sampled screen interval is indicated on the figure.

LEGEND

- GROUNDWATER MONITORING WELL
- GROUNDWATER WELL COMPLETED IN BEDROCK
- NTH IRZ INJECTION WELL
- NTH IRZ EXTRACTION WELL
- REMEDIATION WELL (EXTRACTION) NOT SCREENED IN THIS INTERVAL
- BAT CAVE WASH
- APPROXIMATE BEDROCK CONTACT (PER DEPTH INTERVAL)
- MW-46-175 — WELL ID
- 14 — CR6 CONCENTRATION IN µg/L

Cr6 Concentrations

- ≤ 32 µg/L (or not detected)
- 32 - 100 µg/L
- 100 - 1,000 µg/L
- 1,000 - 10,000 µg/L
- > 10,000 µg/L

Cr6 contours

- 32 µg/L
- 100 µg/L
- 1,000 µg/L
- 10,000 µg/L

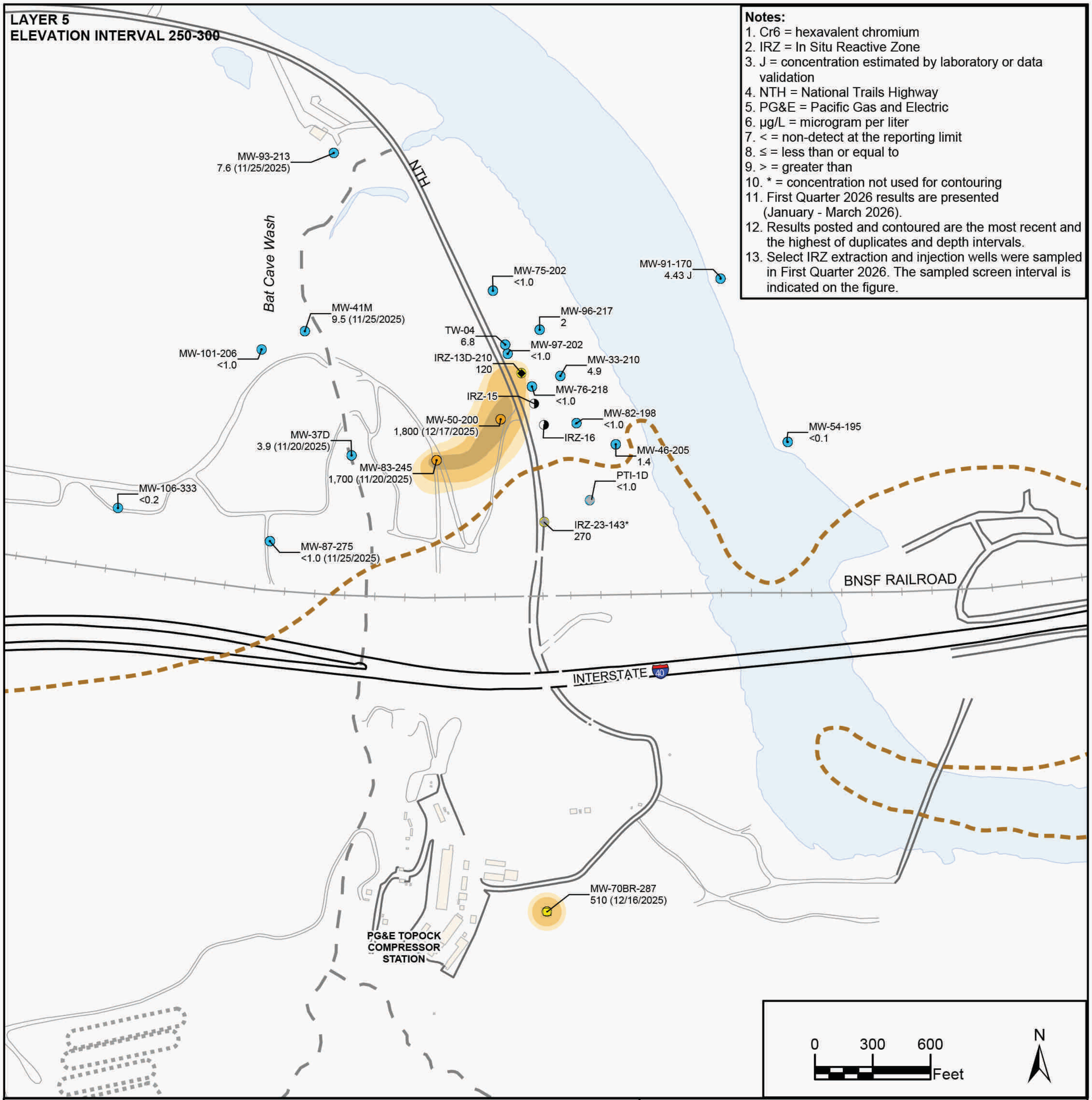
FIRST QUARTER 2026
QUARTERLY PROGRESS REPORT
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

CR6 CONCENTRATIONS IN GROUNDWATER BY ELEVATION INTERVAL: LAYER 4

ARCADIS

FIGURE
3.1d

T:_ENV\PGE_TOPOCK\GEC\ARC_PRO\GMP\1Q26\FIGURE_3_1_A_B_C_D_&_E.APRX 5/21/2026 4:55 PM



Notes:

1. Cr6 = hexavalent chromium
2. IRZ = In Situ Reactive Zone
3. J = concentration estimated by laboratory or data validation
4. NTH = National Trails Highway
5. PG&E = Pacific Gas and Electric
6. µg/L = microgram per liter
7. < = non-detect at the reporting limit
8. ≤ = less than or equal to
9. > = greater than
10. * = concentration not used for contouring
11. First Quarter 2026 results are presented (January - March 2026).
12. Results posted and contoured are the most recent and the highest of duplicates and depth intervals.
13. Select IRZ extraction and injection wells were sampled in First Quarter 2026. The sampled screen interval is indicated on the figure.

LEGEND

- GROUNDWATER MONITORING WELL
- GROUNDWATER WELL COMPLETED IN BEDROCK
- NTH IRZ INJECTION WELL
- NTH IRZ EXTRACTION WELL
- REMEDIATION WELL (EXTRACTION) NOT SCREENED IN THIS INTERVAL
- BAT CAVE WASH
- APPROXIMATE BEDROCK CONTACT (PER DEPTH INTERVAL)

MW-46-205 —— WELL ID
1.4 —— CR6 CONCENTRATION IN µg/L

Cr6 Concentrations

- ≤ 32 µg/L (or not detected)
- 32 - 100 µg/L
- 100 - 1,000 µg/L
- 1,000 - 10,000 µg/L
- > 10,000 µg/L

Cr6 contours

- 32 µg/L
- 100 µg/L
- 1,000 µg/L
- 10,000 µg/L

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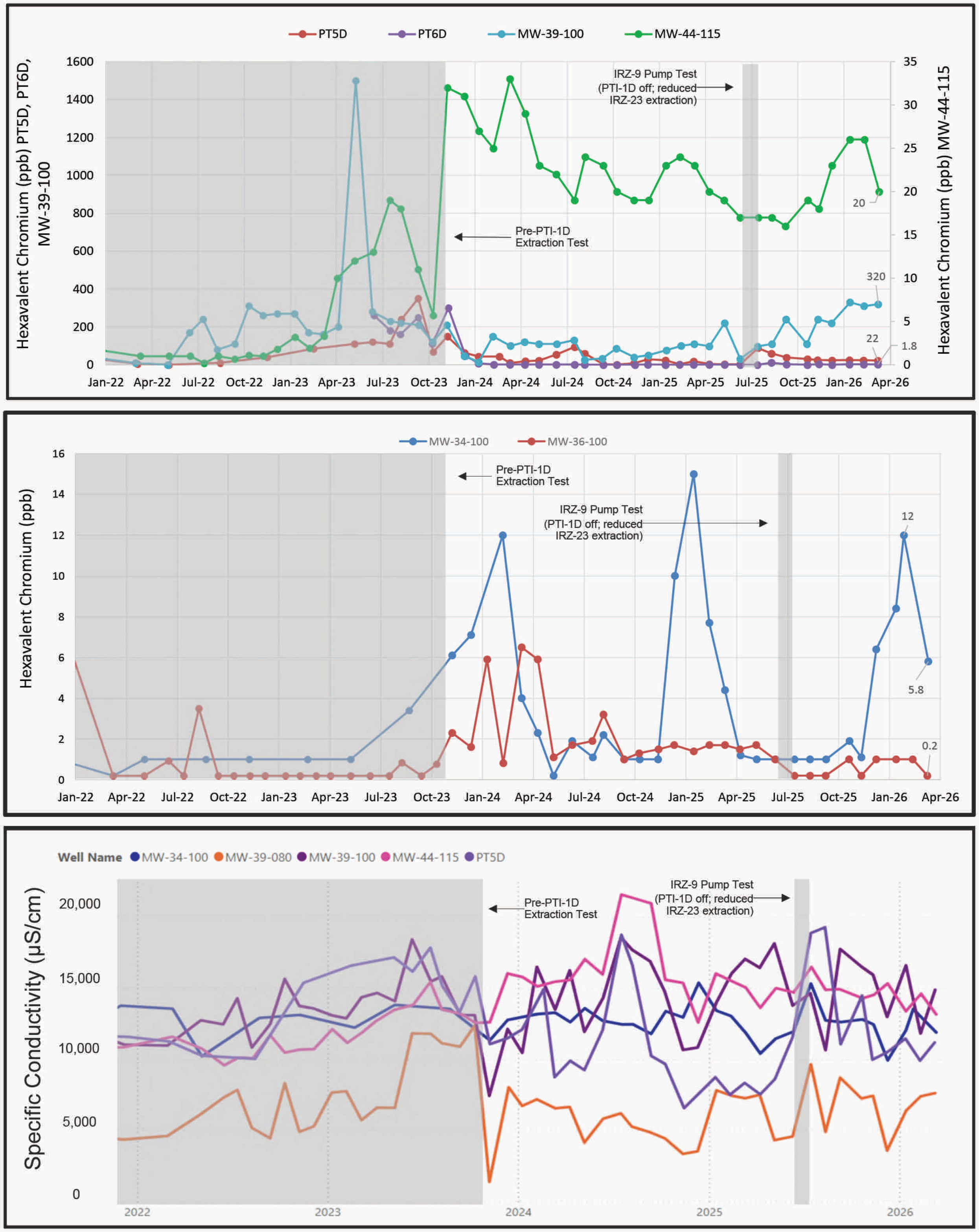
CR6 CONCENTRATIONS IN GROUNDWATER BY ELEVATION INTERVAL: LAYER 5

ARCADIS

FIGURE
3.1e



Notes:

1. µS/cm = microSiemen per centimeter
2. ppb = part per billion
3. PG&E = Pacific Gas and Electric

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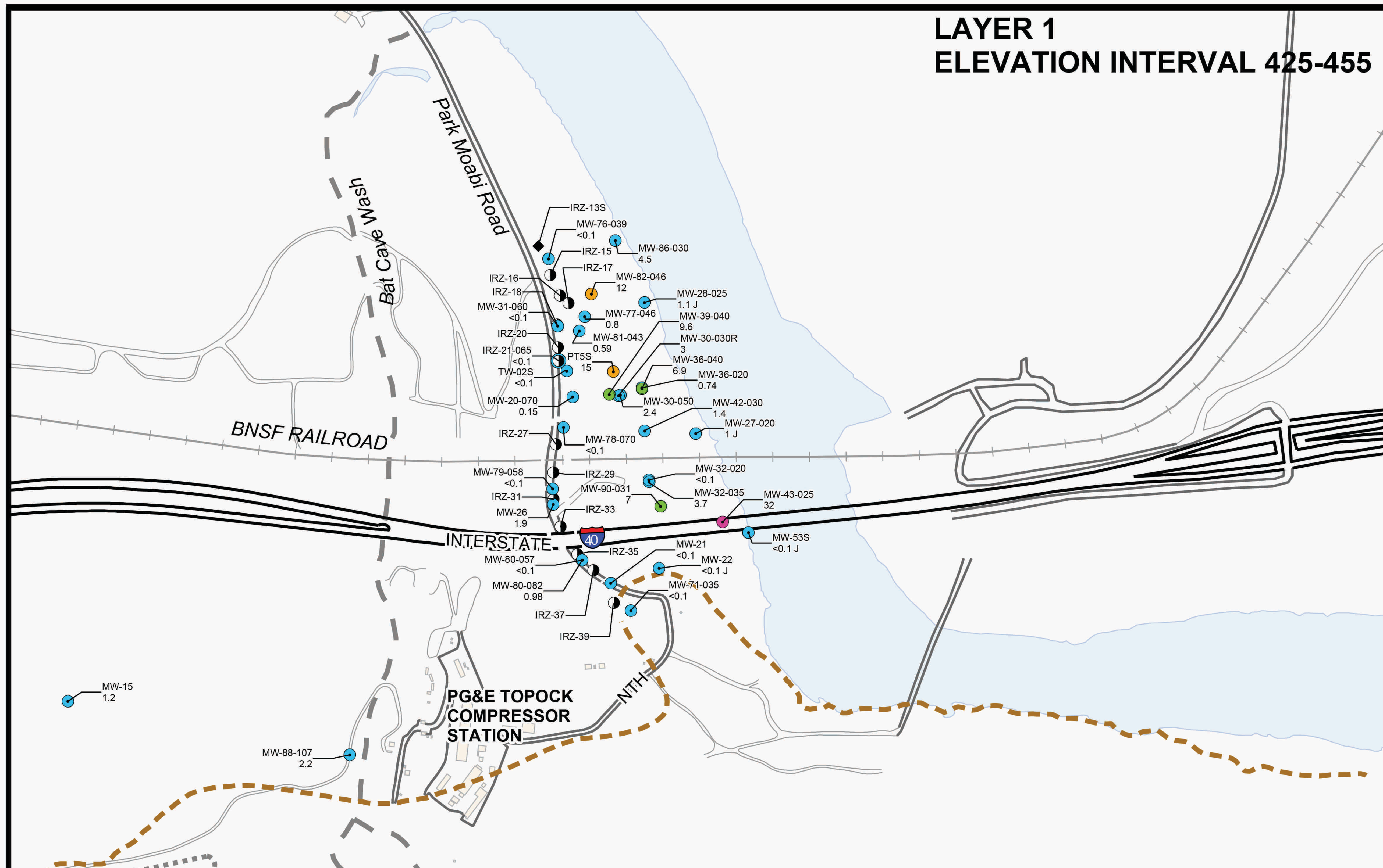
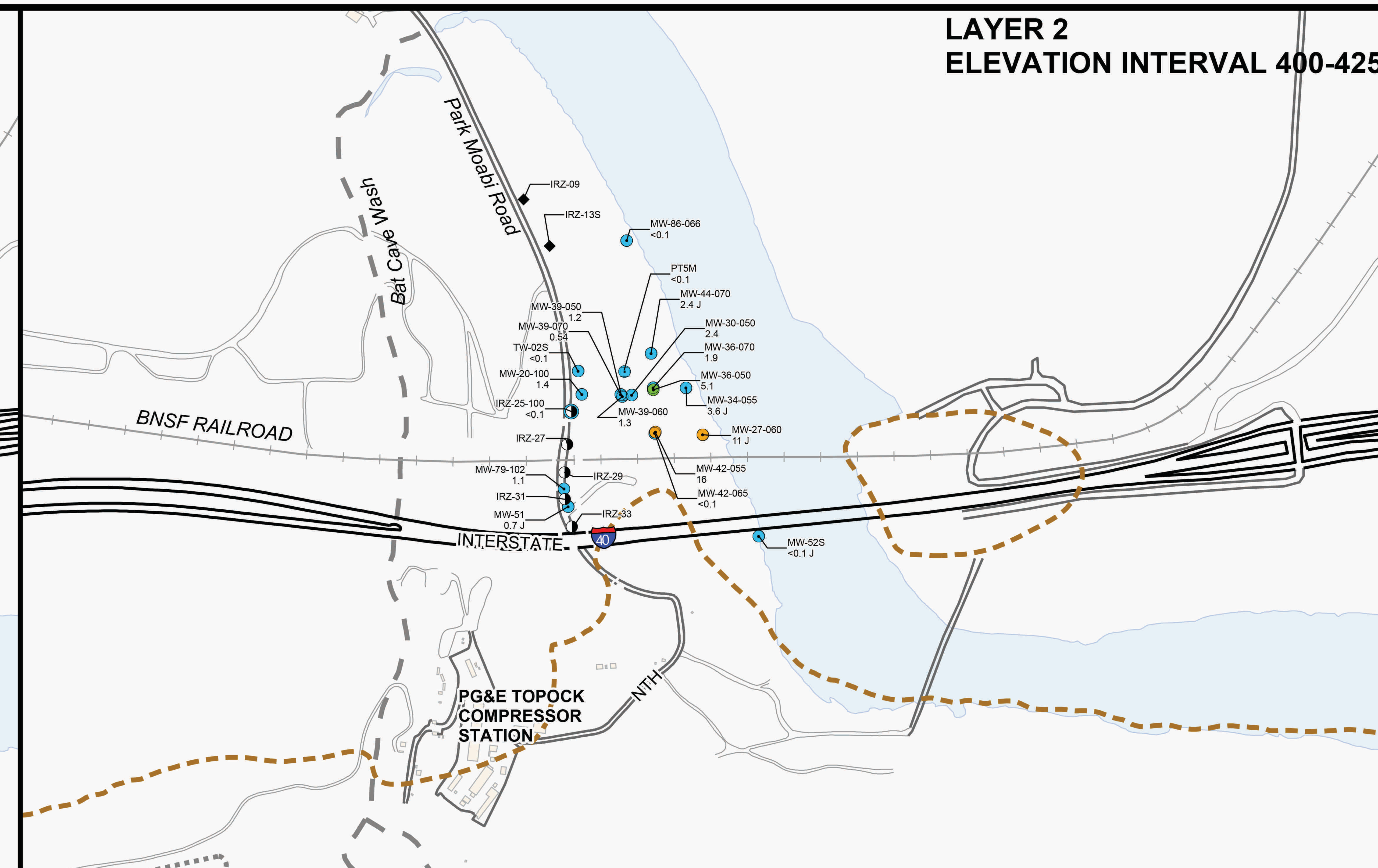
NEEDLES, CALIFORNIA

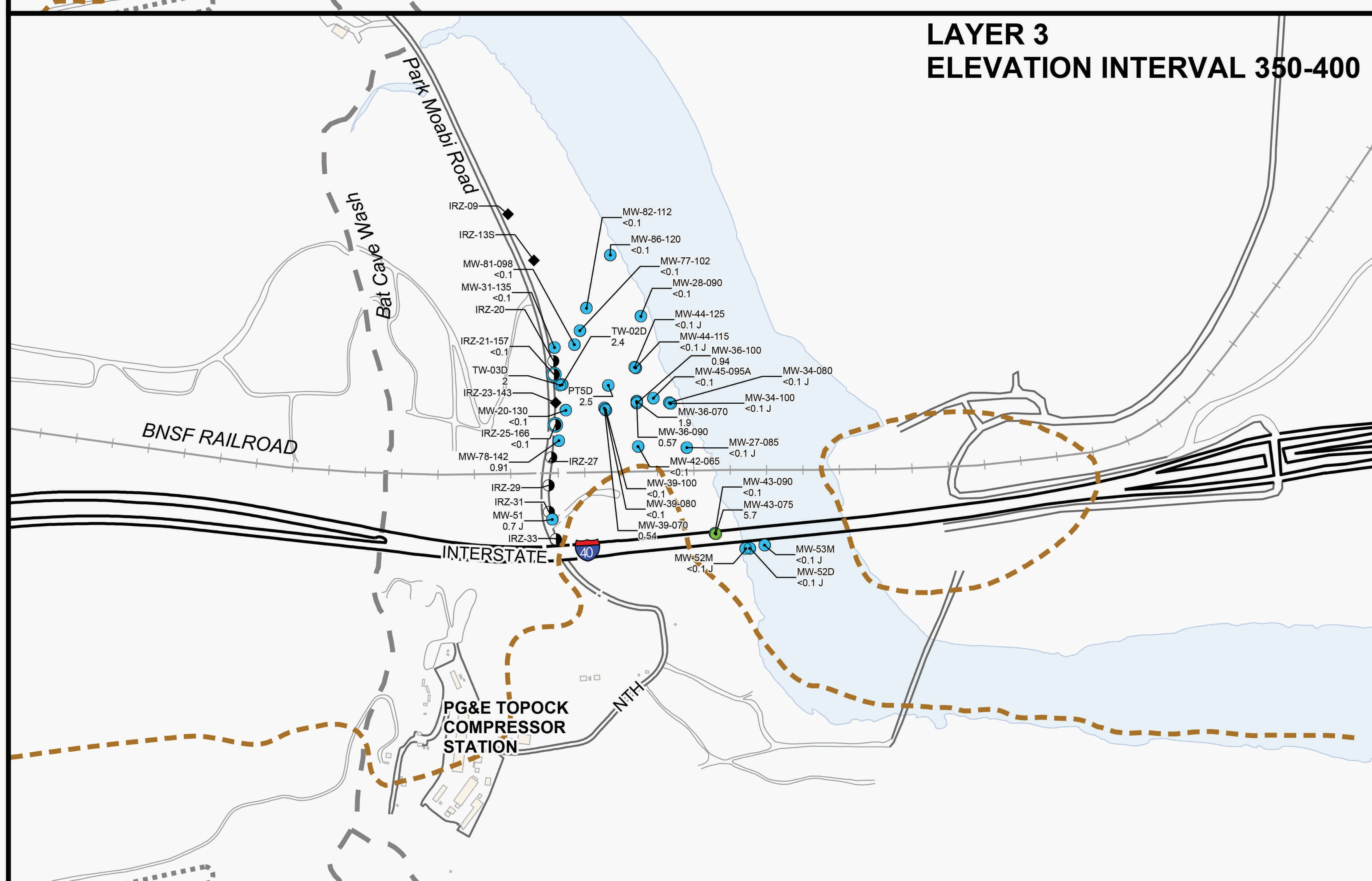
CENTRAL FLOODPLAIN EXTRACTION PERFORMANCE: CONCENTRATION TRENDS

ARCADIS

FIGURE **3.2**







LEGEND

- Groundwater Monitoring Well
- Groundwater Well Completed in Bedrock
- NTH IRZ Injection Well
- NTH IRZ Extraction Well
- Bat Cave Wash
- Approximate Bedrock Contact (per depth interval)

Dissolved Arsenic Concentrations

- 5 µg/L
- 10 µg/L (ARAR)
- 24.3 µg/L (Background UTL)

MW-43-075 — Well ID
5.7 — Dissolved arsenic concentration in µg/L

N

0 475 950 Feet

Notes:

1. ARAR = Applicable or Relevant and Appropriate Requirement
2. IRZ = In Situ Reactive Zone
3. J = concentration estimated by laboratory or data validation
4. NTH = National Trails Highway
5. PG&E = Pacific Gas and Electric
6. UTL = upper tolerance limit
7. µg/L = microgram per liter
8. < = non-detect at the reporting limit
9. Arsenic background study UTL= 24.3 µg/L
10. Arsenic ARAR = 10.0 µg/L
11. First Quarter 2026 results are presented (January - March 2026). Results posted are the most recent and the highest of duplicates and depth intervals.

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DISSOLVED ARSENIC CONCENTRATIONS IN GROUNDWATER BY ELEVATION INTERVAL: LAYERS 1, 2, AND 3

ARCADIS

FIGURE
3.3a

City: Citrix Div/Group: IM Created By: K. SINSABAUGH Last Saved By: cr5688
Topock (RC000753.802D.Q4182)
T:_ENVPGE_Topock\GEC\ARC_PROIGMP\1Q26\Figure 3_3a To 3_3b.aprx 5/11/2026 11:16 AM

LEGEND

- ⊙ Groundwater Monitoring Well
- ⊡ Groundwater Well Completed in Bedrock
- ◑ NTH IRZ Injection Well
- ◆ NTH IRZ Extraction Well
- — — Bat Cave Wash
- Approximate Bedrock Contact (per depth interval)

Dissolved Arsenic Concentrations

- 5 µg/L
- 10 µg/L (ARAR)
- 24.3 µg/L (Background UTL)

Notes:

1. ARAR = Applicable or Relevant and Appropriate Requirement
2. IRZ = In Situ Reactive Zone
3. J = concentration estimated by laboratory or data validation
4. NTH = National Trails Highway
5. PG&E = Pacific Gas and Electric
6. UTL = upper tolerance limit
7. µg/L = microgram per liter
8. < = non-detect at the reporting limit
9. Arsenic background study UTL = 24.3 µg/L
10. Arsenic ARAR = 10.0 µg/L
11. First Quarter 2026 results are presented (January - March 2026). Results posted are the most recent and the highest of duplicates and depth intervals.

MW-82-198 — Well ID
<0.1 — Dissolved arsenic concentration in µg/L

N

0 300 600 Feet

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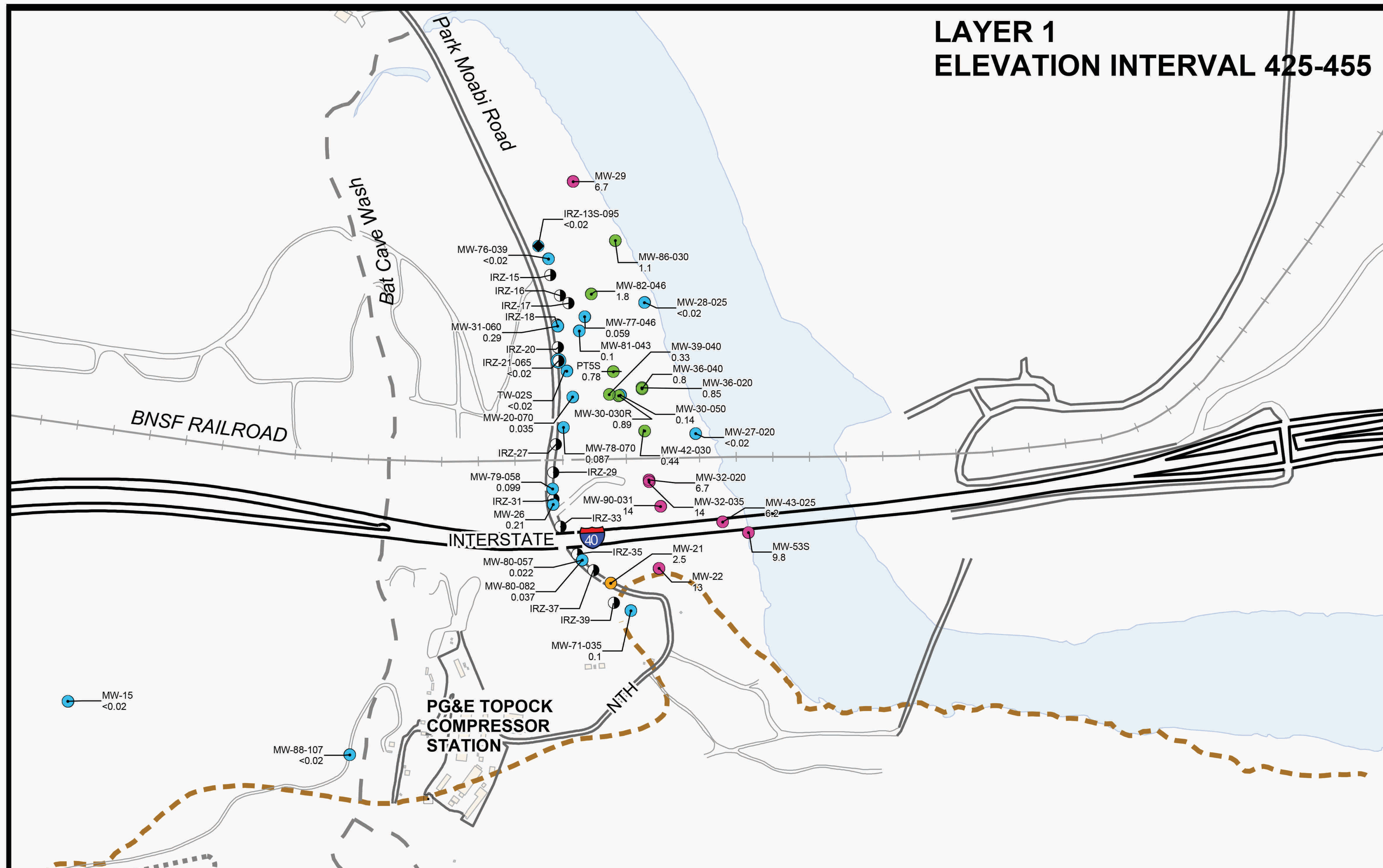
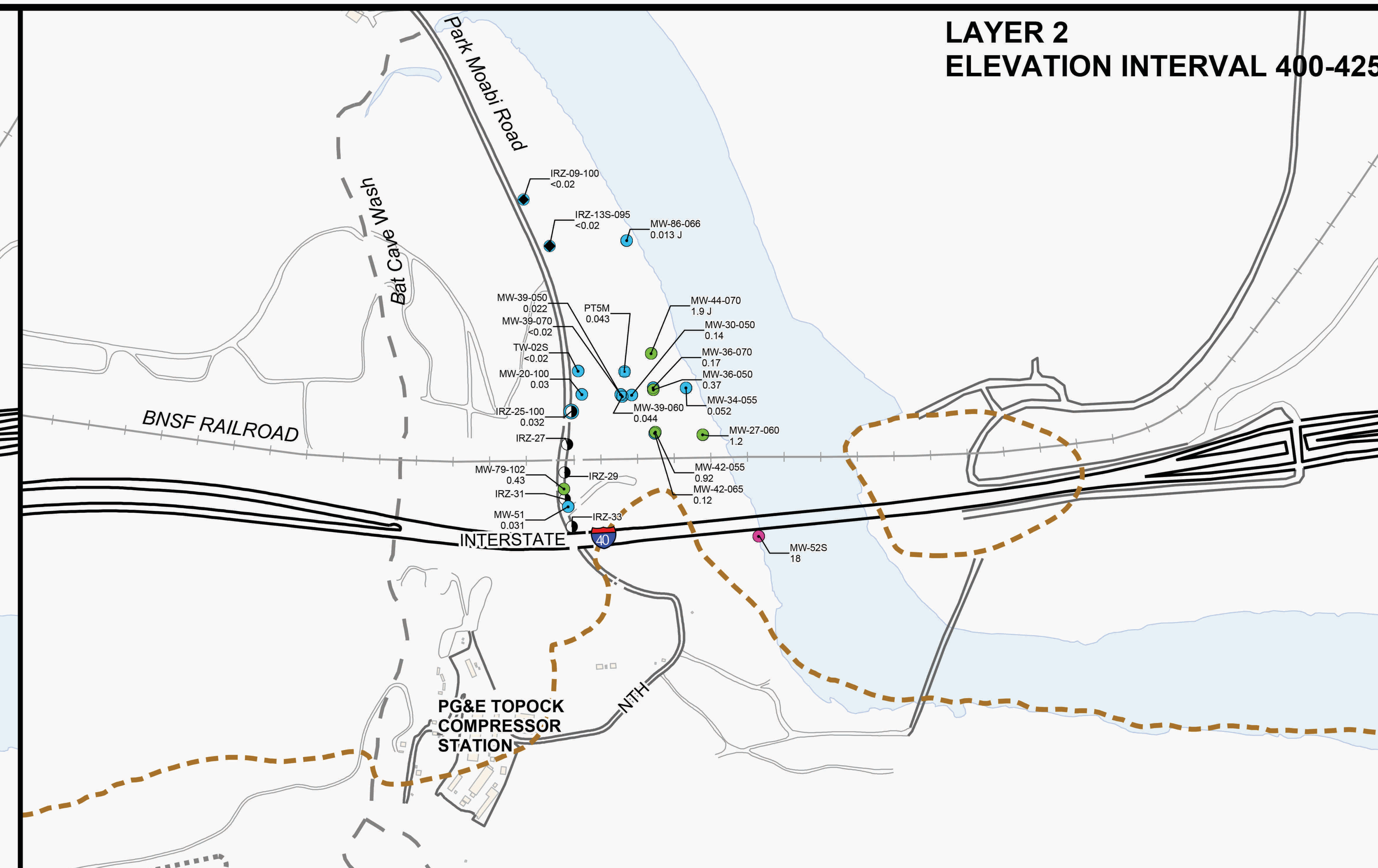
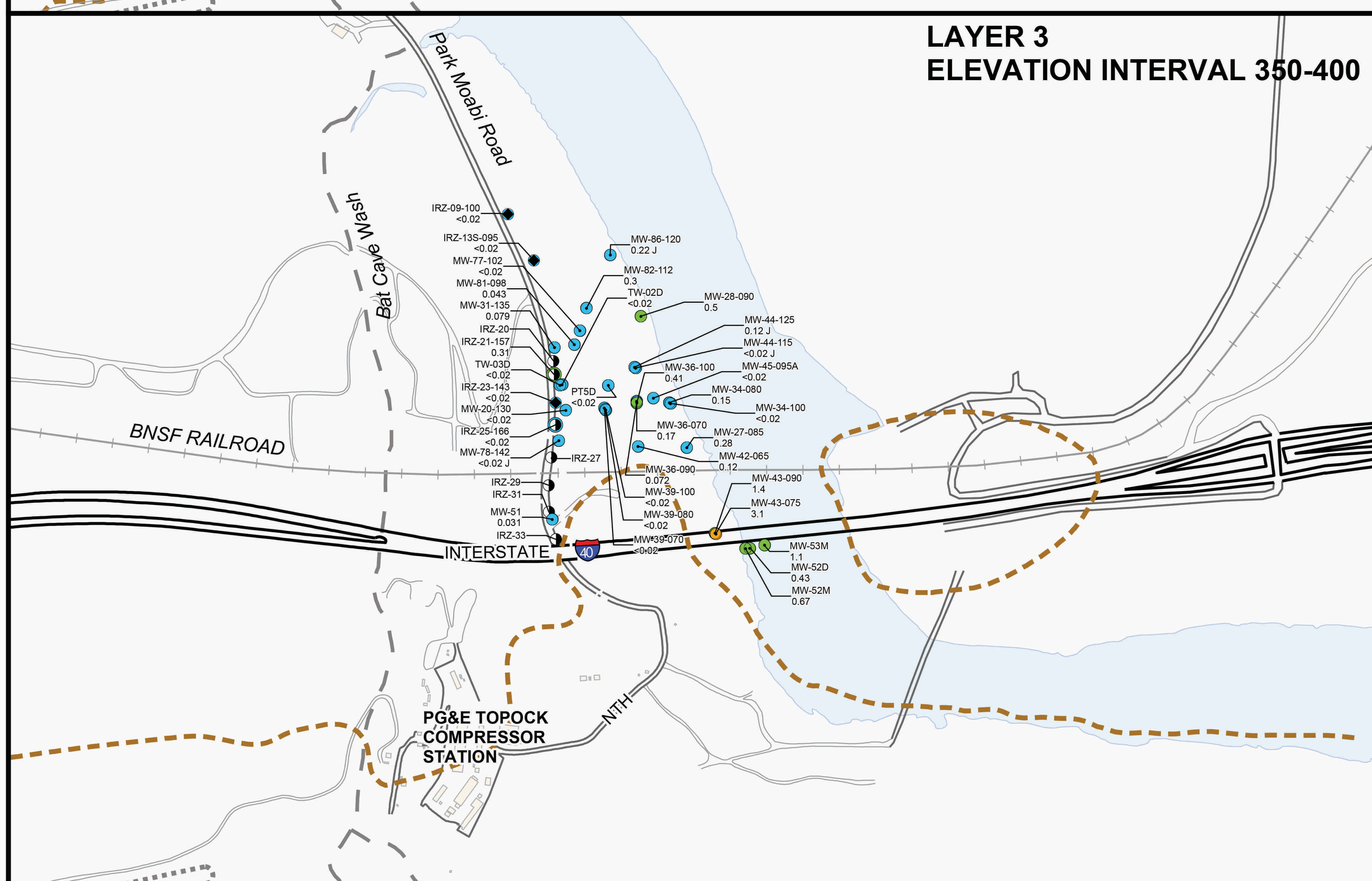
DISSOLVED ARSENIC CONCENTRATIONS IN GROUNDWATER BY ELEVATION INTERVAL: LAYERS 4 AND 5

ARCADIS

FIGURE
3.3b







LEGEND

- Groundwater Monitoring Well
- Groundwater Well Completed in Bedrock
- NTH IRZ Injection Well
- NTH IRZ Extraction Well
- Bat Cave Wash
- Approximate Bedrock Contact (per depth interval)

Dissolved Iron Concentrations

- 0.3 mg/L (ARAR)
- 2 mg/L
- 3.93 mg/L (Background UTL)

MW-52M — Well ID
0.67 — Dissolved iron concentration in mg/L

N

0 475 950 Feet

Notes:

1. ARAR = Applicable or Relevant and Appropriate Requirement
2. IRZ = In Situ Reactive Zone
3. J = concentration estimated by laboratory or data validation
4. NTH = National Trails Highway
5. PG&E = Pacific Gas and Electric
6. UTL = upper tolerance limit
7. mg/L = milligram per liter
8. < = non-detect at the reporting limit
9. Iron background study UTL = 3.93 mg/L
10. Iron ARAR = 0.3 mg/L
11. First Quarter 2026 results are presented (January - March 2026). Results posted are the most recent and the highest of duplicates and depth intervals.

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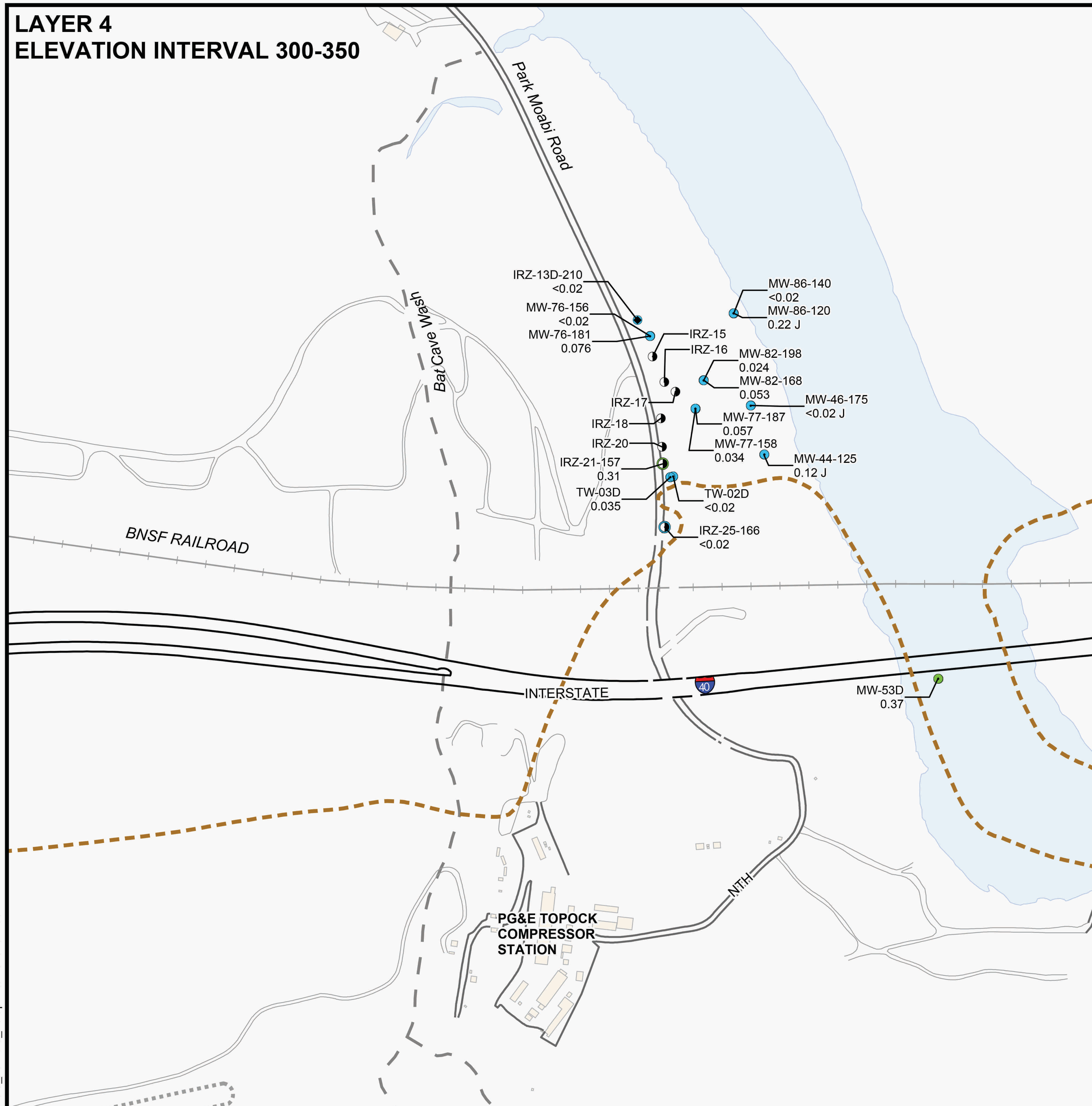
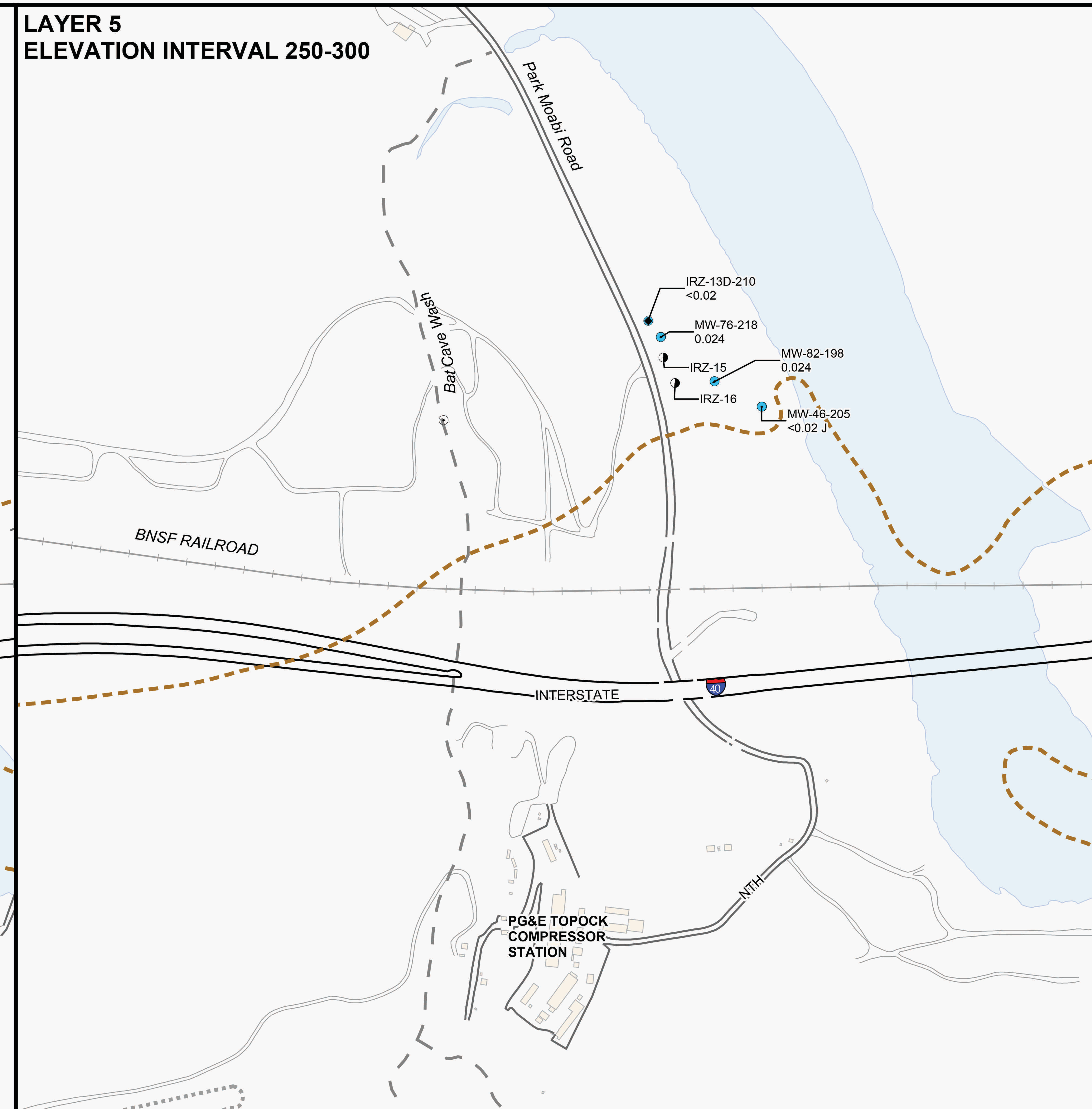
DISSOLVED IRON CONCENTRATIONS IN GROUNDWATER BY ELEVATION INTERVAL: LAYERS 1, 2, AND 3

ARCADIS

FIGURE
3.4a





LEGEND

- Groundwater Monitoring Well
- Groundwater Well Completed in Bedrock
- NTH IRZ Injection Well
- NTH IRZ Extraction Well
- Bat Cave Wash
- Approximate Bedrock Contact (per depth interval)

Dissolved Iron Concentrations

- 0.3 mg/L (ARAR)
- 2 mg/L
- 3.93 mg/L (Background UTL)

Notes:

1. ARAR = Applicable or Relevant and Appropriate Requirement
2. IRZ = In Situ Reactive Zone
3. J = concentration estimated by laboratory or data validation
4. NTH = National Trails Highway
5. PG&E = Pacific Gas and Electric
6. UTL = upper tolerance limit
7. mg/L = milligram per liter
8. < = non-detect at the reporting limit
9. Iron background study UTL = 3.93 mg/L.
10. Iron ARAR = 0.3 mg/L
11. First Quarter 2026 results are presented (January - March 2026). Results posted are the most recent and the highest of duplicates and depth intervals.

MW-53D — Well ID
0.37 — Dissolved iron concentration in mg/L

N

0 300 600
Feet

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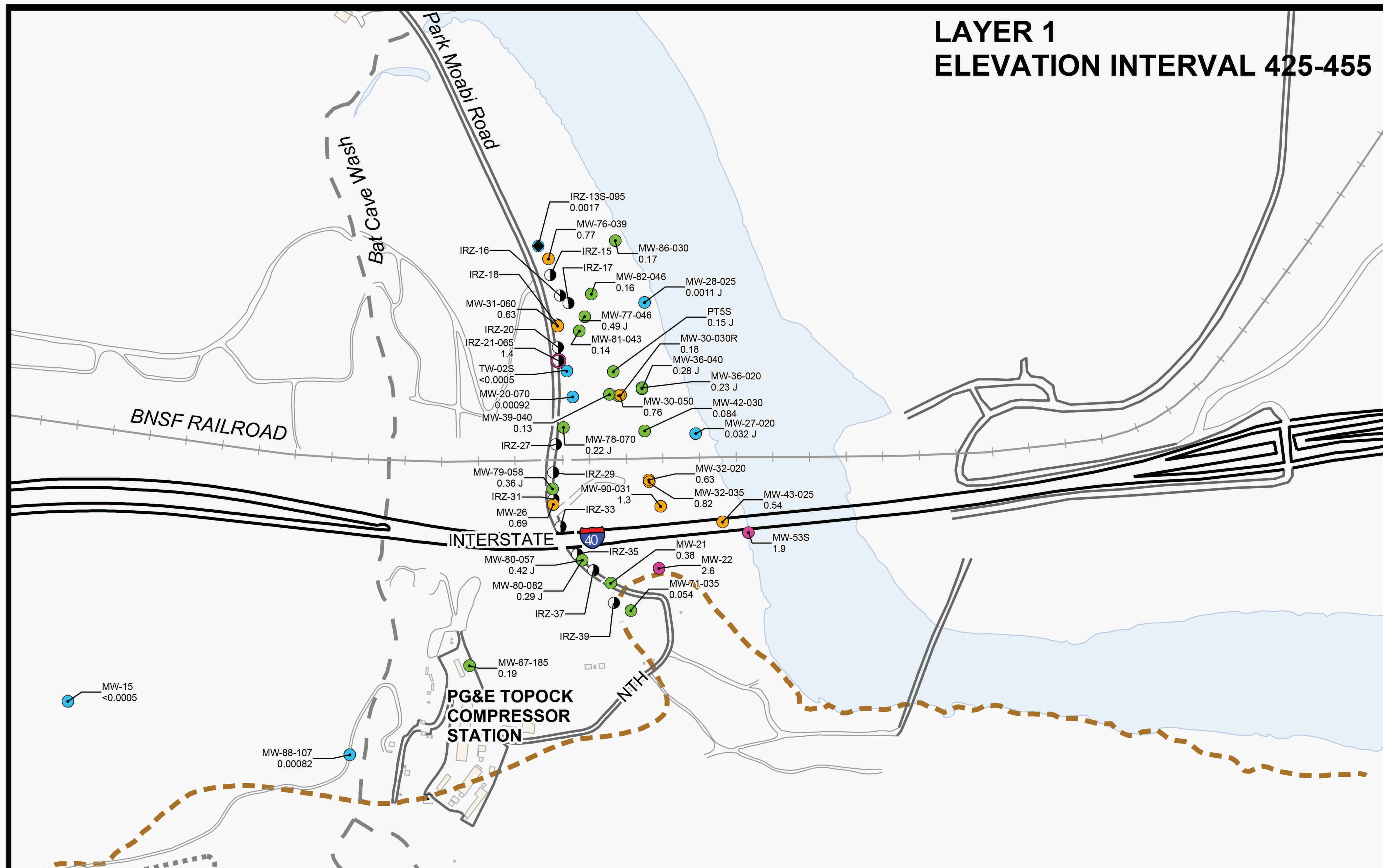
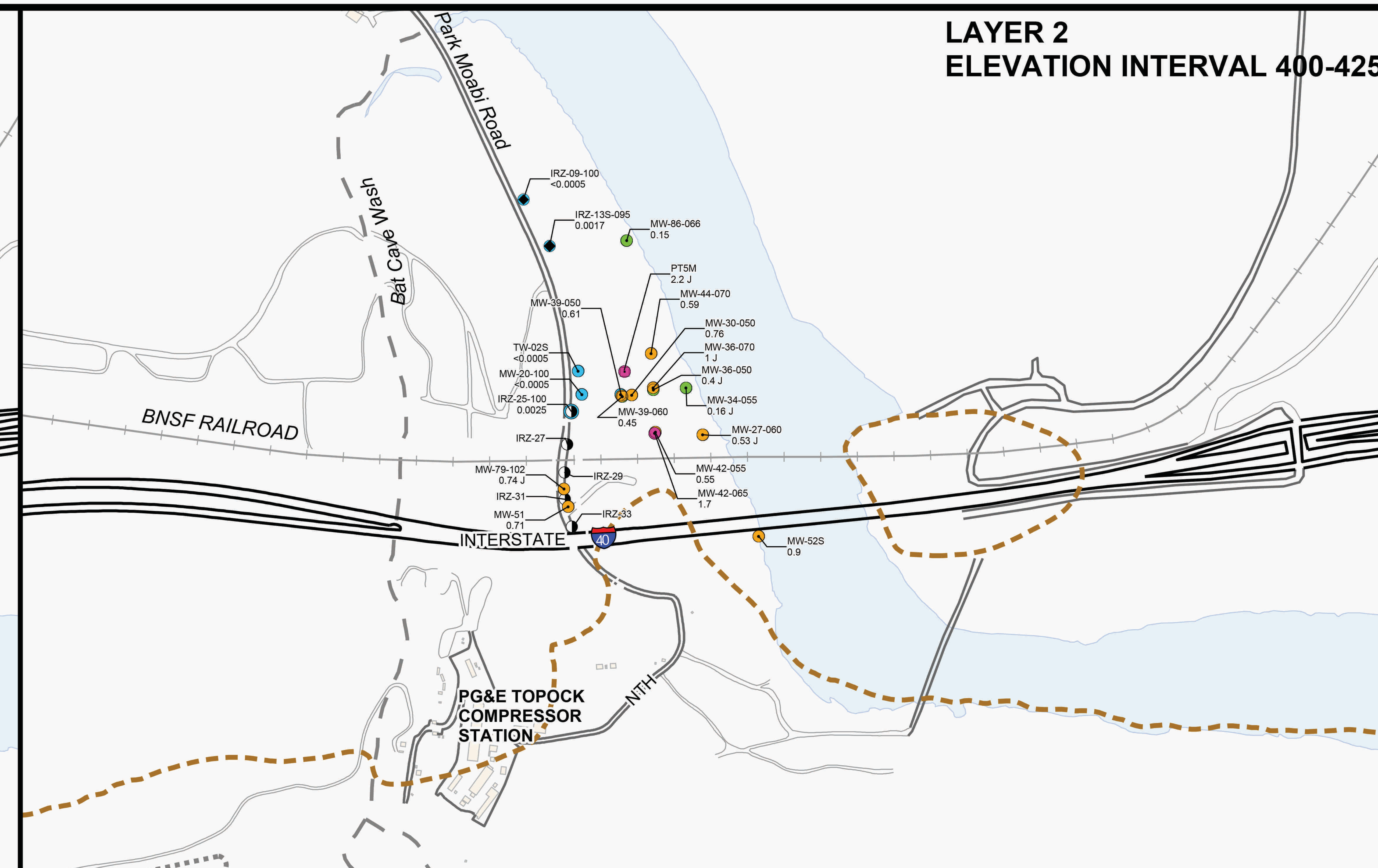
DISSOLVED IRON CONCENTRATIONS IN GROUNDWATER BY ELEVATION INTERVAL: LAYERS 4 AND 5

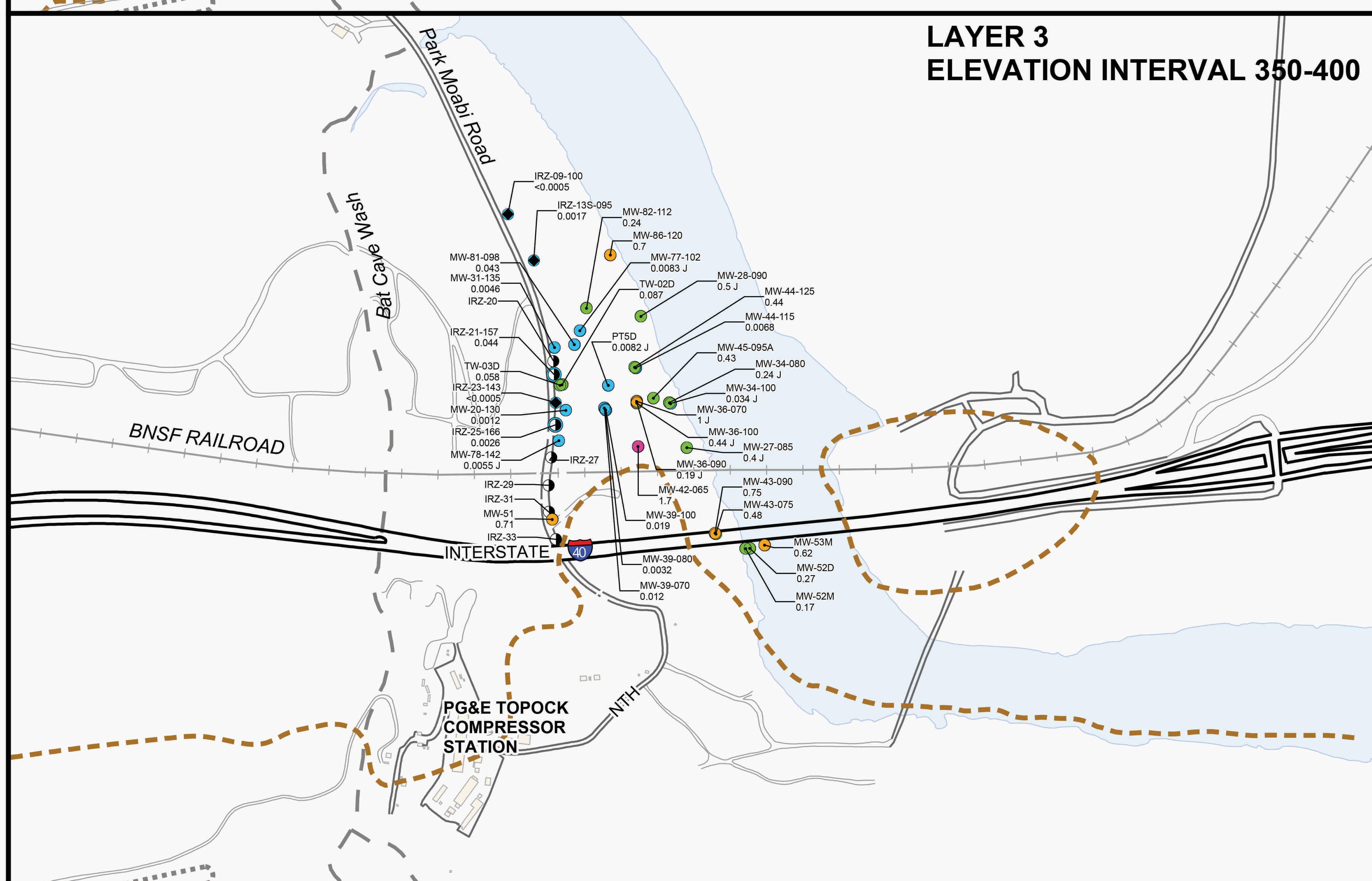
ARCADIS

FIGURE
3.4b

City: Citrix Div/Group: IM Created By: K. SINSABAUGH Last Saved By: cr5688
Topock (RC000753.802D.Q4182)
T:_ENVPGE_Topock\GEC\ARC_PRO\GMP\1Q26\Figure 3_4a To 3_4b.aprx 5/11/2026 4:00 PM







LEGEND

- Groundwater Monitoring Well
- Groundwater Well Completed in Bedrock
- NTH IRZ Injection Well
- NTH IRZ Extraction Well
- Bat Cave Wash
- Approximate Bedrock Contact (per depth interval)

Dissolved Manganese Concentrations

0.05 mg/L (ARAR)

0.5 mg/L

1.320 mg/L (Background UTL)

MW-53M — Well ID
0.62 — Dissolved manganese concentration in mg/L

N

0 475 950
Feet

Notes:

1. ARAR = Applicable or Relevant and Appropriate Requirement
2. IRZ = In Situ Reactive Zone
3. J = concentration estimated by laboratory or data validation
4. NTH = National Trails Highway
5. PG&E = Pacific Gas and Electric
6. UTL = upper tolerance limit
7. mg/L = milligram per liter
8. < = non-detect at the reporting limit
9. Manganese background study UTL = 1.320 mg/L
10. Manganese ARAR = 0.05 mg/L
11. First Quarter 2026 results are presented (January - March 2026). Results posted are the most recent and the highest of duplicates and depth intervals.

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DISSOLVED MANGANESE CONCENTRATIONS IN GROUNDWATER BY ELEVATION INTERVAL: LAYERS 1, 2, AND 3

ARCADIS

FIGURE
3.5a

LEGEND

- ⊙ Groundwater Monitoring Well
- ⊡ Groundwater Well Completed in Bedrock
- ◑ NTH IRZ Injection Well
- ◆ NTH IRZ Extraction Well
- Bat Cave Wash
- Approximate Bedrock Contact (per depth interval)

Dissolved Manganese Concentrations

- 0.05 mg/L (ARAR)
- 0.5 mg/L
- 1.320 mg/L (Background UTL)

Notes:

1. ARAR = Applicable or Relevant and Appropriate Requirement
2. IRZ = In Situ Reactive Zone
3. J = concentration estimated by laboratory or data validation
4. NTH = National Trails Highway
5. PG&E = Pacific Gas and Electric
6. UTL = upper tolerance limit
7. mg/L = milligram per liter
8. < = non-detect at the reporting limit
9. Manganese background study UTL = 1.320 mg/L
10. Manganese ARAR = 0.05 mg/L
11. First Quarter 2026 results are presented (January - March 2026). Results posted are the most recent and the highest of duplicates and depth intervals.

MW-82-198 — Well ID
0.069 — Dissolved manganese concentration in mg/L

N

0 300 600
Feet

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DISSOLVED MANGANESE CONCENTRATIONS IN GROUNDWATER BY ELEVATION INTERVAL: LAYERS 4 AND 5

ARCADIS

FIGURE
3.5b

City: Citrix Div/Group: IM Created By: K. SINSABAUGH Last Saved By: berap1012
Topock (RC000753.802D.Q4182)
T:_ENVPGE_Topock\GEC\ARC_PROJ\GMP\1Q26\Figure 3_5a To 3_5b.aprx 4/21/2026 12:22 PM