

The 3.1/3.2-µg/L contour is shown as "-.-.-" where inferred and cannot be fully delineated by First Quarter 2017 monitoring data.

MW-193S1 4.4/5.1  
 MW-193S2 4.7/4.9  
 MW-162S1 3.9/4.3

MW-161S2 3/4

MW-174S1 3.3/3.2

MW-212S2 2.9/3.8  
 MW-212S1 3.1/3.2

MW-131S1 (2.6.2.6)

MW-135S2 2/3.9

MW-133S1 7.3/7.5  
 MW-136S1 3.9/3.9

MW-154S1 7/7.3  
 MW-154S2 2/2.3  
 MW-136S2 ND/ND

MW-137S1 4.4/4.6  
 MW-137S2 4.4/4.9  
 MW-137S3 8.7/8.6

MW-200S1 0.74/1.1

MW-204S1 3.1/3.2

MW-204S2 4.1/4.4

MW-175S1 (3.1/3.2)  
 MW-175S2 (3/3.5)

MW-173S1 3.3/3.7

MW-142S2 2.9/3.3  
 MW-104 3.3

MW-113S1 (2.9/2.9)  
 MW-113S2 (2.5/2.6)

MW-111S1 (2.4/2.5)  
 MW-111S2 (2.3/2.6)

MW-172S1 3/3.3

22-48 1.5/1.6

MW-126S1 (2.4/2.6)  
 MW-127S2 1.3/1.6

MW-126S2 (1.4/1.7)  
 MW-127S1 2.7/3.5

MW-89D 0.61/ND  
 MW-89S 2.3/2.1  
 MW-83D 0.66/ND  
 MW-83S 1.9/2

MW-62A 1.7/2.4  
 MW-170S 1.3/1.2

Blanca Rd  
 Petra Rd  
 Pueblo Rd  
 Serra Rd

Manacor Rd

Alcudia Rd

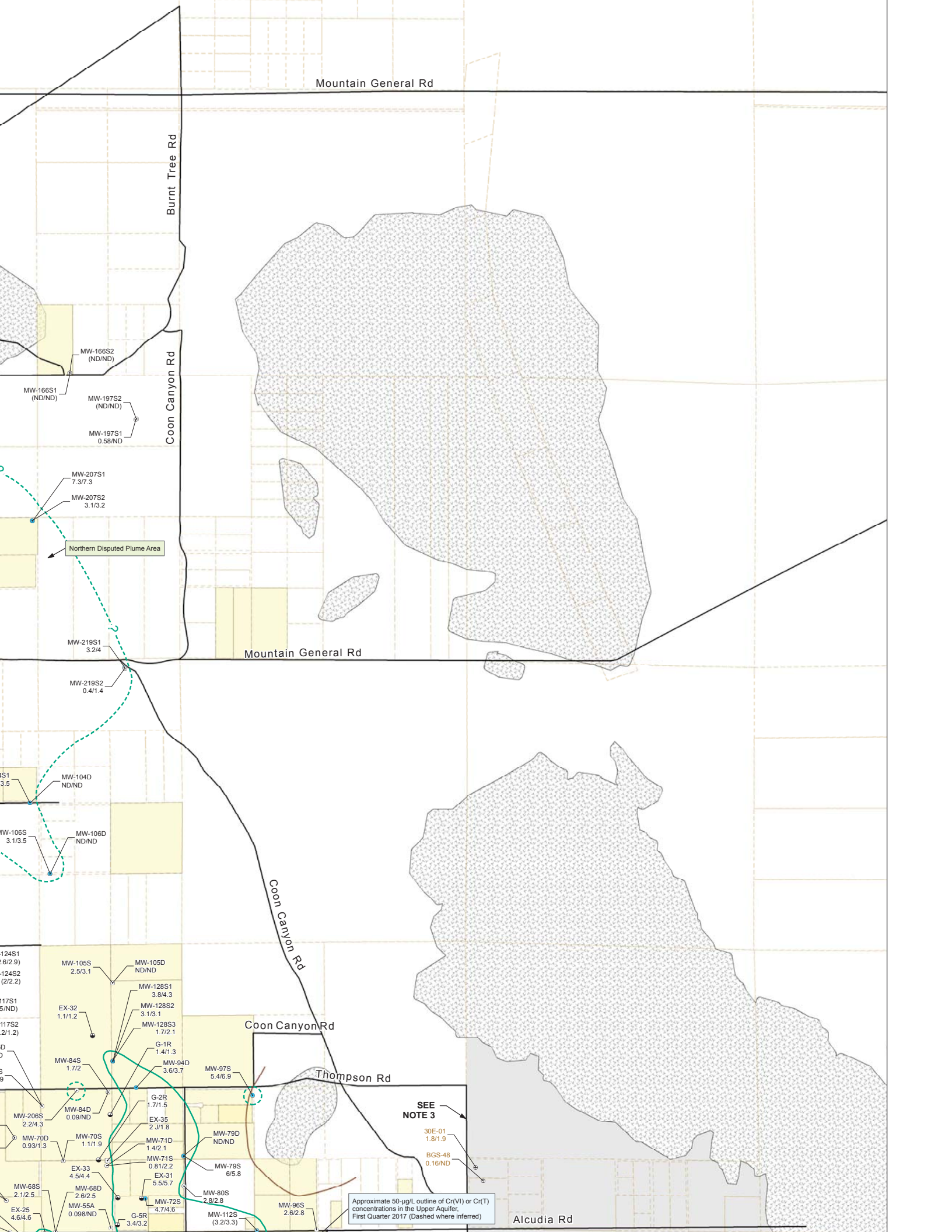
22-21 1.9/2.1  
 22-80 ND/ND  
 22-82 0.96/1.2  
 22-62 0.93/ND  
 21-03 0.67/ND

22-93 2.8/3.5  
 22-44 1.7/1.7  
 22-73 1.9/2.1  
 22-75 1.9/2.0

22-81 0.46/ND

23-30 2.8/3.1

MW-63 1.3/1.2



Mountain General Rd

Burnt Tree Rd

Coon Canyon Rd

Mountain General Rd

Coon Canyon Rd

Thompson Rd

Alcudia Rd

MW-166S2  
(ND/ND)

MW-166S1  
(ND/ND)

MW-197S2  
(ND/ND)

MW-197S1  
0.58/ND

MW-207S1  
7.3/7.3

MW-207S2  
3.1/3.2

MW-219S1  
3.2/4

MW-219S2  
0.4/1.4

MW-104D  
ND/ND

MW-106S  
3.1/3.5

MW-106D  
ND/ND

MW-105S  
2.5/3.1

MW-105D  
ND/ND

MW-128S1  
3.8/4.3

MW-128S2  
3.1/3.1

MW-128S3  
1.7/2.1

G-1R  
1.4/1.3

MW-94D  
3.6/3.7

G-2R  
1.7/1.5

EX-35  
2.1/1.8

MW-71D  
1.4/2.1

MW-71S  
0.8/12.2

EX-31  
5.5/5.7

MW-97S  
5.4/6.9

MW-79D  
ND/ND

MW-79S  
6/5.8

MW-80S  
2.8/2.8

MW-72S  
4.7/4.6

MW-112S  
(3.2/3.3)

MW-96S  
2.6/2.8

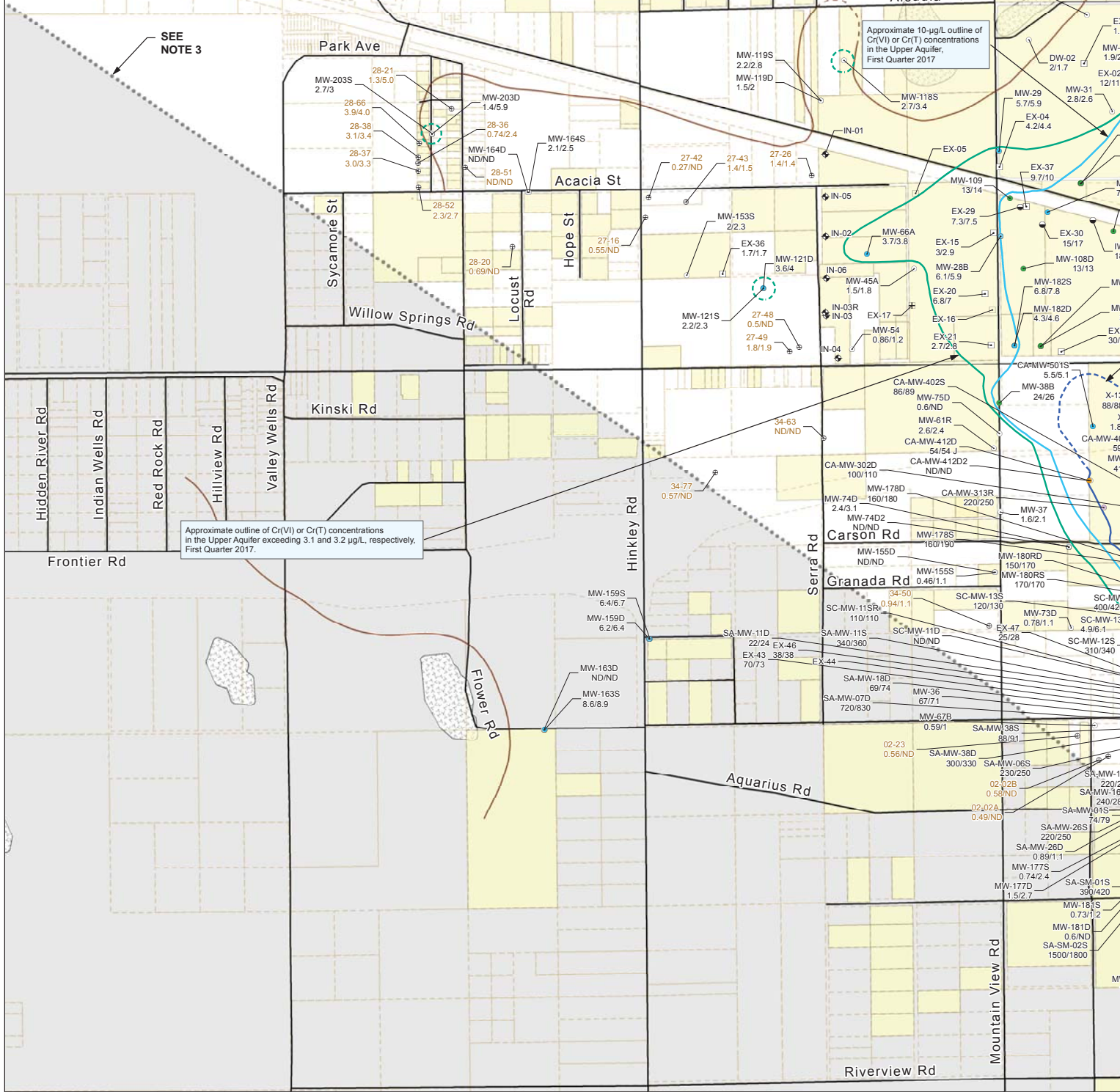
SEE NOTE 3

30E-01  
1.8/1.9

BGS-48  
0.16/ND

Approximate 50-µg/L outline of Cr(VI) or Cr(T) concentrations in the Upper Aquifer, First Quarter 2017 (Dashed where inferred)

Northern Disputed Plume Area



**LEGEND:**

- Groundwater Monitoring Well
- Agricultural Supply Well
- ⊕ Domestic Supply Well
- Other Supply Well
- Groundwater Extraction Well (Active)
- ⊕ Multiuse Test Well, or Inactive Extraction/Injection Well
- ▲ Inactive In Situ Reactive Zone Injection Well
- ◆ Freshwater Injection Well
- PG&E-Owned Property
- PG&E Compressor Station
- County Parcel
- - - Approximate Limit of Saturated Alluvium Upper Aquifer
- ..... Approximate Location of Lockhart Fault; Fault Trace is Inferred, and There is No Surface Expression (Stamos et al. 2001)
- ▨ Bedrock Exposed at Ground Surface

MW-177D Well ID  
1.5/2.7 Cr(VI)/Cr(T) concentrations in µg/L; maximum of primary and duplicate samples during First Quarter 2017 sampling.  
(1.8/2.2) Data in parentheses are from previous reporting period. See Table E-1 for sample dates.

**Groundwater Cr(VI) Concentrations in Monitoring Wells:**

- More than 1,000 µg/L
- 100 to 1,000 µg/L
- 50 to 100 µg/L
- 10 to 50 µg/L
- 3.1 to 10 µg/L
- Less than 3.1 µg/L or ND

**ABBREVIATIONS:**  
µg/L Micrograms per Liter  
CAO Cleanup and Abatement Order  
Cr(VI) Hexavalent Chromium  
Cr(T) Total Dissolved Chromium  
J Estimated Result  
ND Not Detected  
NS Not Sampled

**NOTES:**

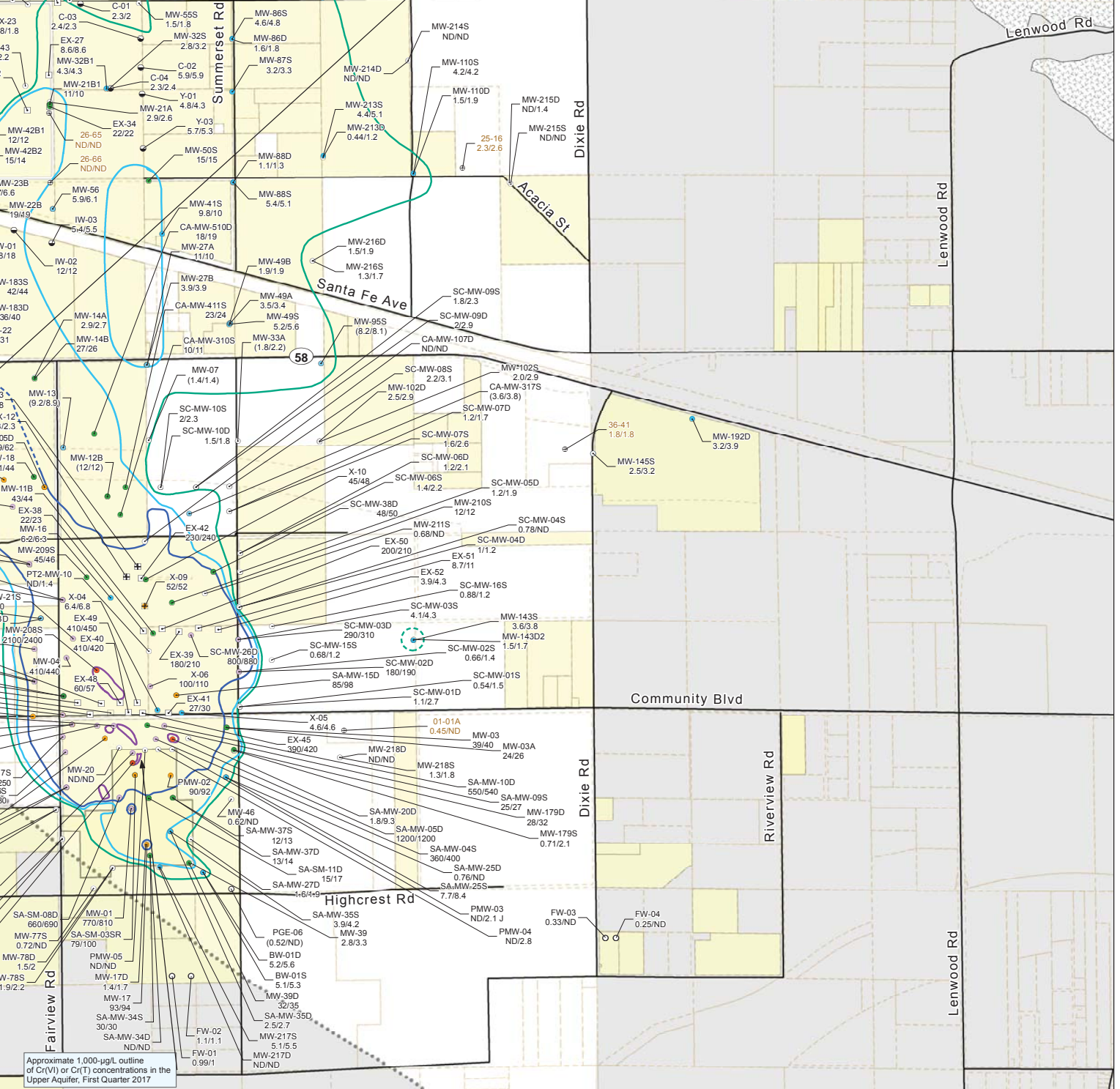
1. Chromium results are shown for Site-wide Groundwater Monitoring Program and domestic wells sampled in the reporting period, the most recent results are shown.
2. The concentration contours are based on First Quarter 2017 chromium results for the groundwater monitoring Figures 5-1 and 5-2. Results for domestic wells (brown-colored labels) were not used for chromium plume control Board's Cleanup and Abatement Order dated November 4, 2015 (Water Board 2015).
3. Pursuant to the Lahontan Regional Water Quality Control Board's Cleanup and Abatement Order dated November 4, 2015, monitoring wells sampled southwest of Lockhart Fault and on or east of Dixie Road. Monitoring wells sampled southwest of Lockhart Fault and on or east of Dixie Road.
4. Chromium plume contours in the general area south of Highway 58, were developed using a larger set of monitoring wells from the In Situ Reactive Zone and Northwest Freshwater Injection Projects (Arcadis 2017). Select wells from that

**WORK CITED:**

Arcadis. 2017. First Quarter 2017 Monitoring Report for the In Situ Reactive Zone and Northwest Freshwater Injection Projects. California Regional Water Quality Control Board, Lahontan Region Order No. R6V-2008-0014 (Waste Discharge Order).

Stamos, C.L., P. Martin, T. Nishikawa, and B.F. Cox. 2001. *Simulation of Ground-Water Flow in the Mojave River Basin*. Prepared in cooperation with the Mojave Water Agency.

Water Board. 2015. Cleanup and Abatement Order No. R6V-2015-0068 Requiring Pacific Gas and Electric Company to



the First Quarter (January through March) 2017 monitoring period. For wells sampled multiple times during

g and extraction wells that are completed in the shallow zone and deep zone of the Upper Aquifer as noted on

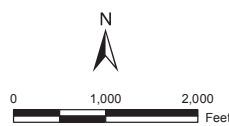
ember 4, 2015 (Water Board 2015), groundwater monitoring wells are not used for chromium contouring if they are located in the areas southwest

onitoring data which is presented in the April 28, 2017 First Quarter 2017 Monitoring Report for

ection Projects, Pacific Gas and Electric Company, Hinkley Compressor Station, Hinkley, California,

er Basin, California. U.S. Geological Survey Water-Resources Investigations Report 01-4002, Version 3.

pany to Cleanup and Abate Waste Discharges of Total and Hexavalent Chromium to the Groundwaters of the Mojave Hydrologic Unit. November 4.



**FIGURE 5-5**  
**CHROMIUM RESULTS FOR FIRST QUARTER 2017**  
**GROUNDWATER MONITORING AND**  
**DOMESTIC WELL SAMPLING AND MAXIMUM**  
**COMPOSITE PLUME OUTLINE IN UPPER AQUIFER**

FIRST QUARTER 2017 GROUNDWATER MONITORING  
 REPORT AND DOMESTIC WELL RESULTS  
 SITE-WIDE GROUNDWATER MONITORING PROGRAM

PACIFIC GAS AND ELECTRIC COMPANY  
 HINKLEY COMPRESSOR STATION  
 HINKLEY, CALIFORNIA