

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

MW-193S2 4.4/4.5
MW-193S1 4.5/4.2

MW-162S2 ND/ND
MW-162S1 4/4.1

MW-162S3 ND/ND

MW-161S1 3.3/3.3
MW-161S2 3.3/3.4
MW-161S3 0.93/1.2

MW-174S1 3.4/3.6
MW-174S3 2.6/2.8

MW-174S2 2.4/2.4
MW-130S2 3.8/3.9
MW-130S1 3.7/3.6

MW-212S2 2.3/2.7
MW-212S1 3.2/3.3

MW-131S1 2.7/2.6

MW-154S1 5.7/7.2
MW-154S2 2.2/2.1

MW-133S1 8.3/7.9
MW-136S1 3.5/4.4
MW-136S2 ND/ND

MW-135S1 3.8/4
MW-135S2 2.6/2.9

MW-200S2 ND/ND
MW-200S3 0.6/ND
MW-200S1 0.86/1

MW-137S3 6.7/7.7
MW-137S2 4.7/4.8
MW-137S1 4.8/5
MW-139S1 4/4.8
MW-139S2 0.51/ND

MW-175S2 3/3
MW-175D 2.7/3.2
MW-175S1 3.2/3.3

MW-204S1 3.2/3.1
MW-204D 0.63/ND
MW-204S2 3.8/3.8
MW-173D 0.68/1.3
MW-173S2 3/3.1
MW-173S1 4.2/5.3

MW-140S3 3.4/3.8
MW-142S3 2.9/2.9
MW-142S2 3.1/3.2
MW-142S1 3.5/3.9

MW-113S2 2.7/3.5
MW-113D ND/ND
MW-113S1 2.9/3.3
MW-111D ND/ND
MW-111S1 2.4/2.5

MW-111S2 2.5/2.5
MW-111S1 2.4/2.5

MW-157S 1.6/1.5
MW-156S 0.61/ND

MW-123S2 1.9/2.2
MW-123S1 1.9/2.7
MW-124S1 2.7/2.6
MW-125S2 1.6/2.4
MW-125S1 2.2/2.4

MW-172S1 3/3.2
MW-171D1 ND/ND
MW-171S 2.4/2.3
MW-171D2 ND/ND

MW-117D ND/ND
MW-126S1 2.4/2.6
MW-126S2 1.6/1.6

MW-172S2 0.71/2
MW-171D1 ND/ND
MW-171S 2.4/2.3
MW-171D2 ND/ND

MW-117D ND/ND
MW-126S1 2.4/2.6
MW-126S2 1.6/1.6

MW-172S2 0.71/2
MW-171D1 ND/ND
MW-171S 2.4/2.3
MW-171D2 ND/ND

MW-117D ND/ND
MW-126S1 2.4/2.6
MW-126S2 1.6/1.6

MW-172S2 0.71/2
MW-171D1 ND/ND
MW-171S 2.4/2.3
MW-171D2 ND/ND

MW-117D ND/ND
MW-126S1 2.4/2.6
MW-126S2 1.6/1.6

MW-172S2 0.71/2
MW-171D1 ND/ND
MW-171S 2.4/2.3
MW-171D2 ND/ND

MW-117D ND/ND
MW-126S1 2.4/2.6
MW-126S2 1.6/1.6

MW-22-60 0.28/ND

MW-22-82 1.1/1.1

MW-22-74 1.9/1.7

MW-22-81 0.49/ND

MW-22-48 1.5/1.5

MW-22-103 1.9/1.7

MW-89S 0.6/ND
MW-89D 2.3/2.3

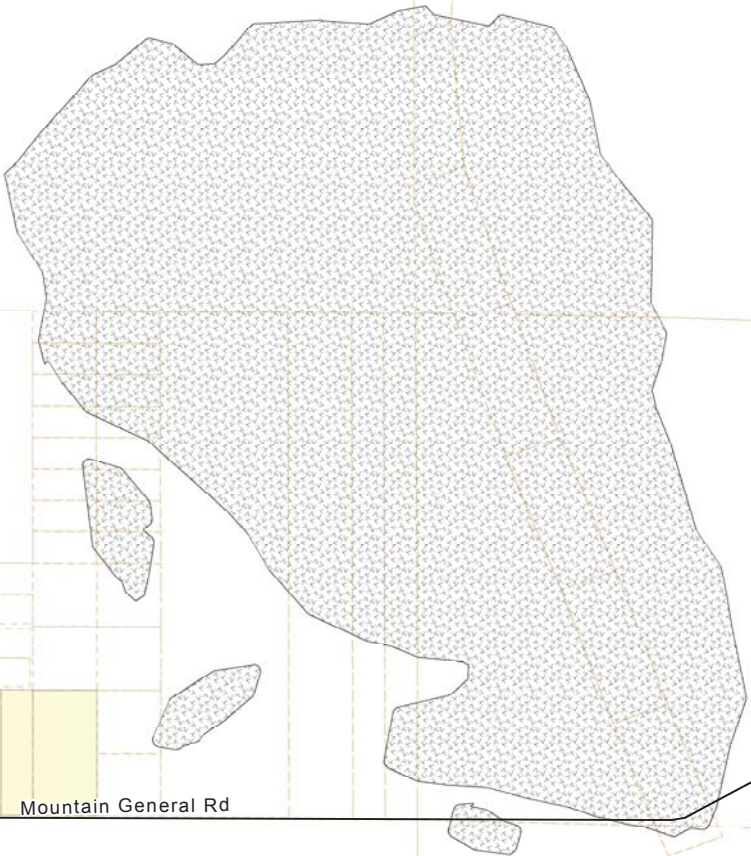
MW-83D 1.3/1.6
MW-83S 2/2.6

MW-170S

Mountain General Rd

Burnt Tree Rd

Coon Canyon Rd



Mountain General Rd

Coon Canyon Rd

Coon Canyon Rd

Thompson Rd

SEE NOTE 3

Approximate 50-µg/L outline of Cr(VI) or Cr(T)

MW-166S2
ND/ND

MW-166S1
ND/ND

MW-197S2
ND/ND

MW-197S1
1.2/1.2

MW-197S3
ND/ND

Northern Disputed Plume Area

07S2
5/4.3

07S1
5/6.5

MW-138S1
4.8/5

MW-138S2
4.6/4.3

MW-141S2
3.9/4.5

40S2

MW-141S1
3.7/3.7

MW-219S1
3.4/3.3

40S1
2

MW-141D
ND/ND

MW-219S2
0.27/ND

04S2
3/2.7

MW-104D
ND/ND

04S1
3/3.9

MW-106D
ND/ND

MW-106S
3.1/3.2

24S2

24D
1.2

17S1
3/1.9

17S2
2/1.3

127S2
2

127S1
3

MW-85D
ND/ND

MW-85S
1.4/1.7

MW-206S
3.5/7.6

MW-84D
ND/ND

MW-84S
1.6/2.7

MW-70D
1.4/1.7

MW-70S
1.6/1.2

MW-69S
0.94/ND

MW-69D
1.6/2.3

MW-68D
2.6/2.7

MW-55S

MW-105D
ND/ND

MW-105S
3.1/2.7

MW-128S3
1.6/1.6

MW-128S2
3.1/2.7

MW-128S1
6.4/5.6

MW-107D
ND/ND

MW-107S
2.5/2.7

MW-94S
6.3/6.7

MW-94D
3.5/3.7

MW-97S
5.3/7.1

EX-32
ND/ND

G-1R
1.1/ND

EX-35
4.1/3.6

MW-71D
0.43/ND

MW-71S
0.68/1.4

EX-31
6.2/5.2

MW-72S
(4.8/5.2)

MW-79S
6.5/5.9

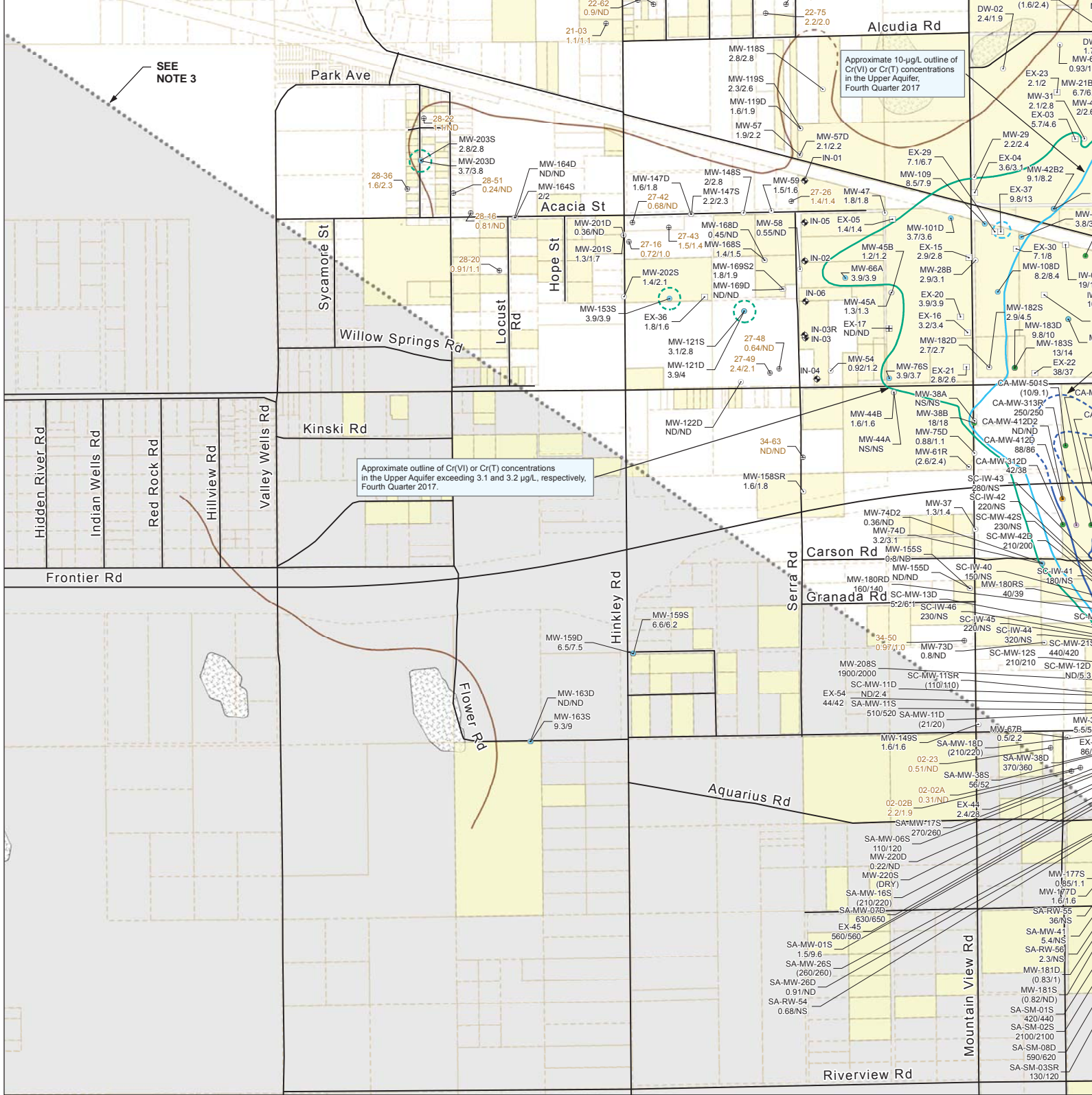
MW-79D
ND/ND

MW-80S
9.8/9.2

MW-55S

30E-01
1.9/1.7

BGS-48
0.45/ND



- LEGEND:**
- Monitoring Well
 - ⊕ Domestic Supply Well (active and inactive)
 - Other Supply Well
 - Groundwater Extraction Well
 - ⊕ Multi-use Test Well, or Inactive Extraction/Injection Well
 - ▲ IRZ_INJ
 - ◆ 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 1.6/1.6 Well ID Cr(VI)/Cr(T) concentrations in µg/L; maximum of primary and duplicate samples during Fourth Quarter 2017 sampling. 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
 - 10 to 50 µg/L
 - 100 to 1,000 µg/L
 - 50 to 100 µg/L
 - Less than 3.1 µg/L or ND

ABBREVIATIONS:

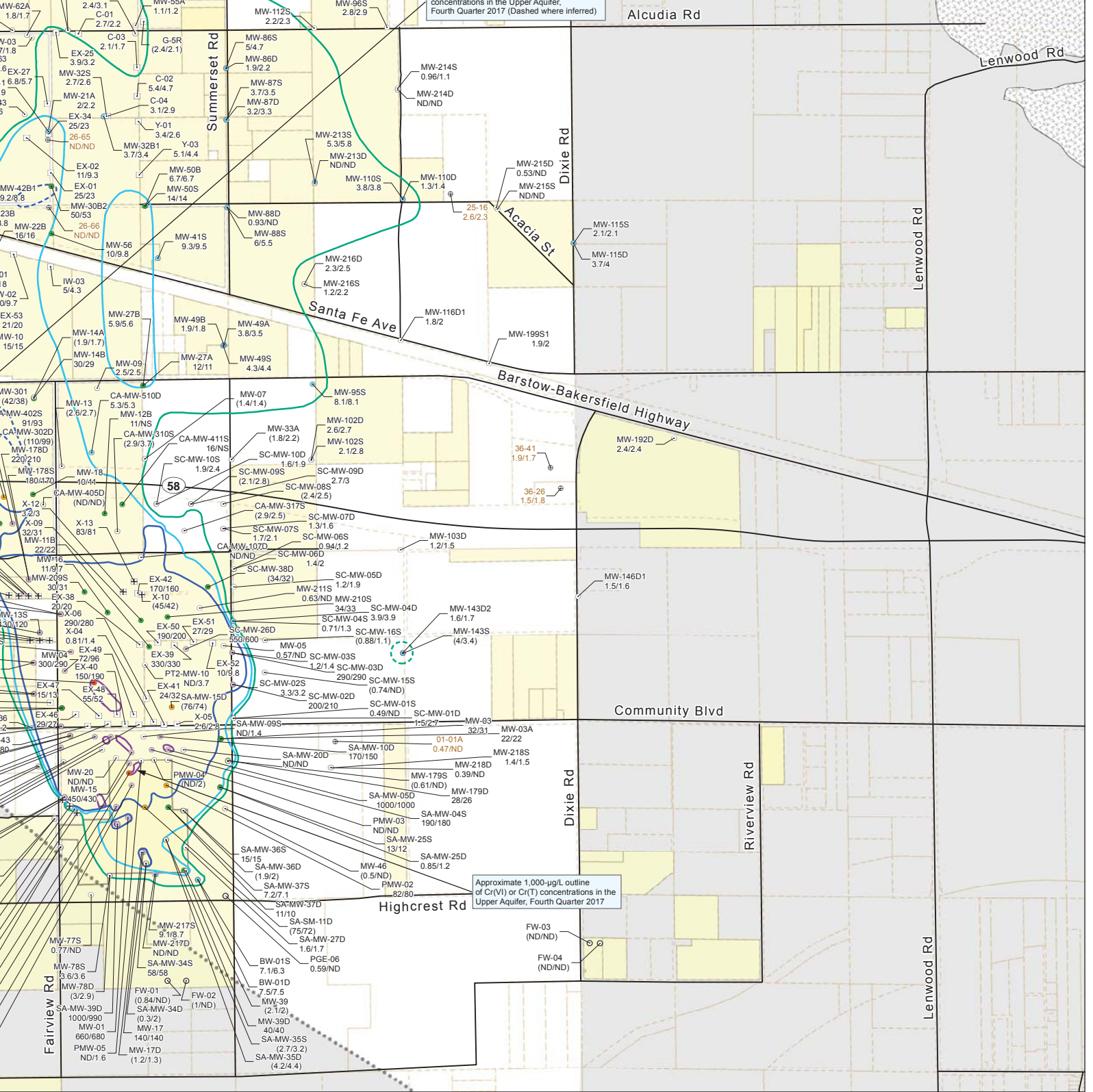
- µg/L Micrograms per Liter
- Cr(VI) Hexavalent Chromium
- Cr(T) Total Dissolved Chromium
- J Estimated Result
- ND Not Detected
- NS Not Sampled

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 Fourth Quarter 2017 chromium results for the groundwater monitoring wells. 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 are shown here.
4. Chromium plume contours in the general area south of Highway 58, were developed using a larger set of monitoring wells from the Northwest Freshwater Injection Projects (Arcadis 2018). Select wells from that program are shown here.

WORK CITED:

Arcadis. 2018. Fourth Quarter 2017 Monitoring Report for the In Situ Reactive Zone and Northwest Freshwater Injection Projects. Lahontan 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 Fourth Quarter (October through December) 2017 monitoring period. For wells sampled multiple times during

ing 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

Monitoring data which is presented in the Fourth Quarter 2017 Monitoring Report for the In Situ Reactive Zone

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

Requirements Identification No. 6B369107001, January 30.

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

Company 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 FOURTH QUARTER 2017
GROUNDWATER MONITORING AND DOMESTIC WELL
SAMPLING AND MAXIMUM COMPOSITE PLUME
OUTLINE IN UPPER AQUIFER

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

PACIFIC GAS AND ELECTRIC COMPANY
 HINKLEY COMPRESSOR STATION
 HINKLEY, CALIFORNIA