

The 3.1/3.2 µg/L contour is shown as a dashed green line where inferred and cannot be fully delineated by First Quarter 2012 monitoring data. Further updates of the plume outline will be forthcoming as sampling results from new and future monitoring wells are incorporated.

04N-03  
1.3/1.4  
04N-02  
2.0/1.9  
04N-01  
0.53ND

MW-13051  
6.2/6.1  
MW-13052  
3.7/4.1

02N-041

MW-13352  
ND/ND  
MW-15451  
10.0/11.5  
MW-15452  
1.5/1.6

MW-13651  
3.2/3.1  
MW-13652  
ND/ND

MW-13751  
5.2/5.4  
MW-13752  
3.7/3.7  
MW-13753  
2.0/2.0

MW-13851  
6.4/6.8  
MW-13852  
4.3/4.3

MW-13951  
11.6/11.5  
MW-13952  
1.2/1.5

MW-14251  
8.2/8.3  
MW-14252  
2.4/2.5  
MW-14253  
9.0/3.1

14-13  
3.0/2.9  
14-05  
0.67/1.4

14-11  
2.8/3.1  
14-01  
0.87ND  
14-04  
2.5/3.1  
14-10  
3.1/3.0  
14-10  
4.1/3.8

MW-11351  
2.8/3.1  
MW-11352  
3.4/3.9  
MW-113D  
0.082ND

MW-11151  
3.1/3.3  
MW-11152  
1.6/1.6  
MW-111D  
0.19ND

MW-12451  
1.5/1.6  
MW-12452  
2.7/2.6

MW-11751  
0.27ND  
MW-11752  
1.2/1.2  
MW-117D  
0.11ND

MW-12851  
7.9/7.8  
MW-12852  
3.0/3.0  
MW-12853  
1.9/2.0  
MW-845  
2.3/3.0  
MW-84D  
ND/ND

MW-12351  
2.1/2.3  
MW-12352  
1.8/1.9

MW-12551  
2.0/2.5  
MW-12552  
1.4/1.8

MW-12651  
2.6/2.8  
MW-12652  
7.5/2.2

MW-83S  
1.4/1.9  
MW-83D  
ND/1.4

MW-85S  
1.3/1.9  
MW-85D  
ND/ND

MW-127S1  
1.6/2.3  
MW-127S2  
1.1/2.0

MW-89S  
0.63ND  
MW-99D  
2.3/4

MW-69S  
ND/1.7  
MW-69D  
1.2/1.7

MW-31  
10.4/12.2  
MW-31C  
ND/ND

MW-43  
17.4/19.6  
MW-27  
EX/27  
1.6/2.0  
MW-21B  
ND/ND  
MW-21E  
ND/ND  
MW-21C  
8.9/9.4  
MW-21D  
ND/ND  
EX-01  
12.1/14.6  
MW-30B  
6.3/7.0  
MW-30E  
5.3/5.5

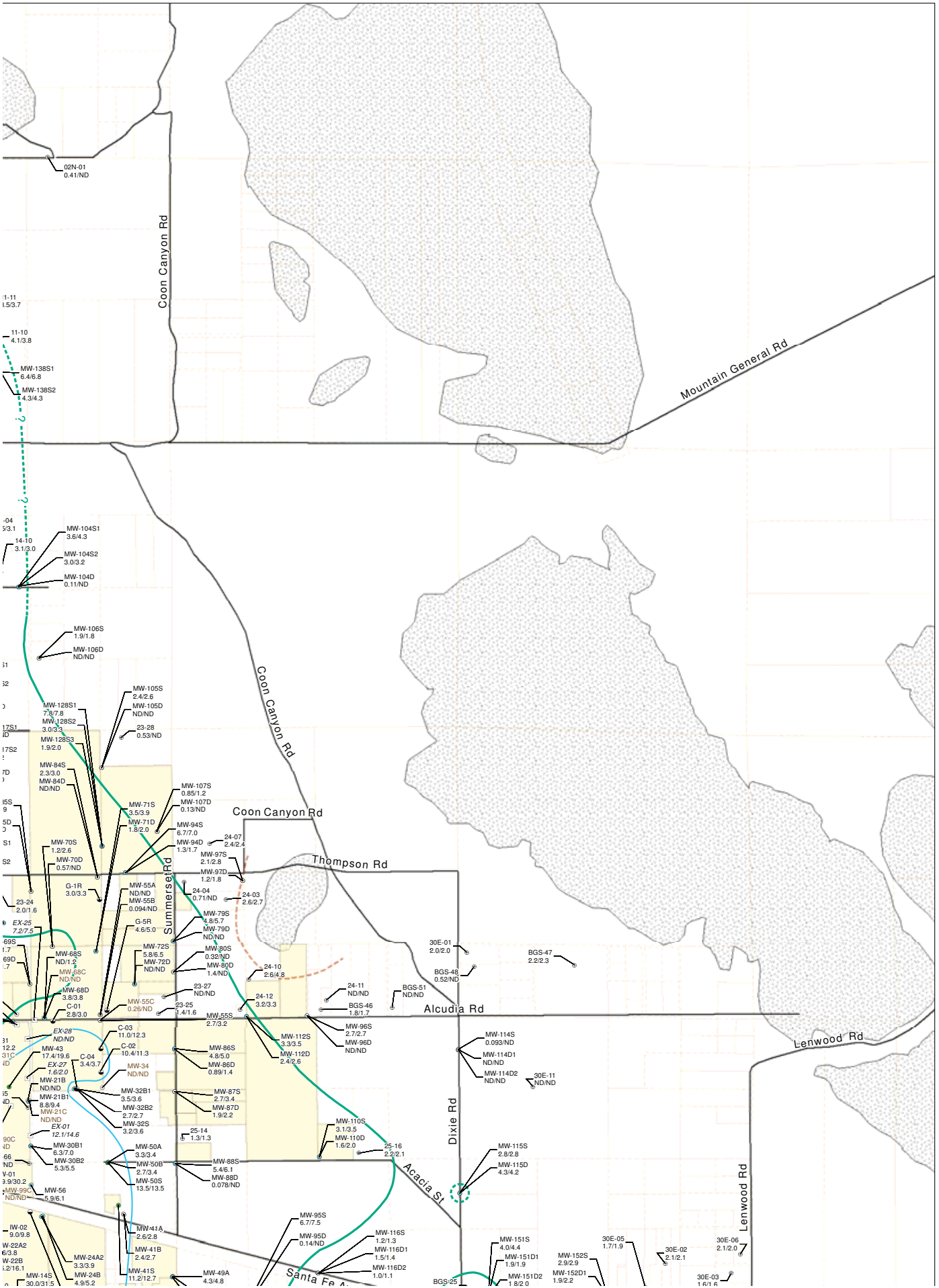
MW-90C  
ND/ND  
MW-90D  
ND/ND  
MW-90E  
ND/ND  
MW-90F  
ND/ND  
MW-90G  
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MW-90H  
ND/ND  
MW-90I  
ND/ND  
MW-90J  
ND/ND  
MW-90K  
ND/ND  
MW-90L  
ND/ND  
MW-90M  
ND/ND  
MW-90N  
ND/ND  
MW-90O  
ND/ND  
MW-90P  
ND/ND  
MW-90Q  
ND/ND  
MW-90R  
ND/ND  
MW-90S  
ND/ND  
MW-90T  
ND/ND  
MW-90U  
ND/ND  
MW-90V  
ND/ND  
MW-90W  
ND/ND  
MW-90X  
ND/ND  
MW-90Y  
ND/ND  
MW-90Z  
ND/ND

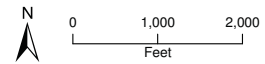
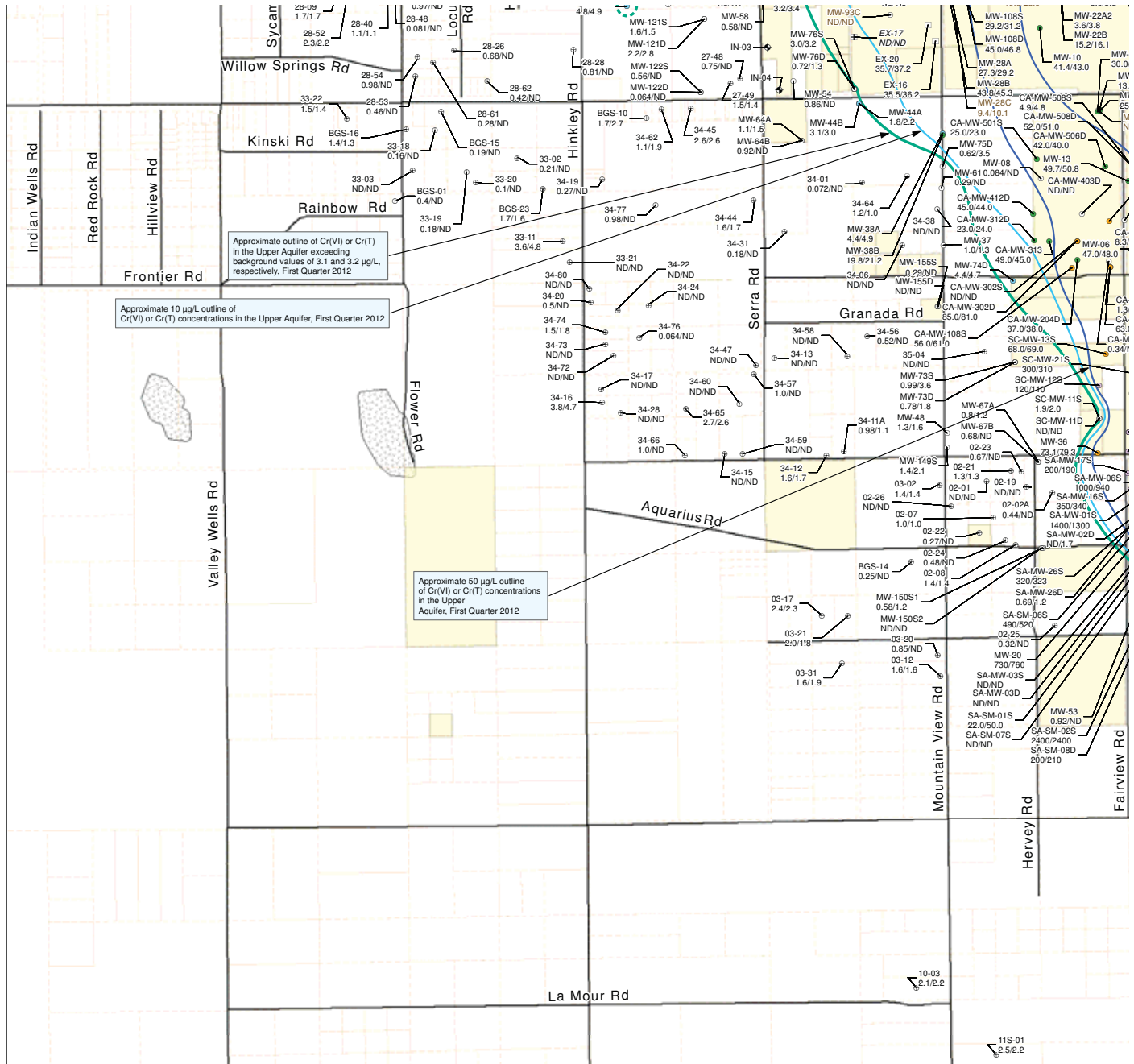
MW-101S  
15.3/15.6  
MW-100C  
20.2/22.6  
MW-29  
2.2/4.0  
MW-82S  
1.2/1.6  
MW-47  
1.2/3.5  
MW-109  
39.0/41.2  
MW-91C  
ND/ND  
MW-91D  
ND/ND  
MW-91E  
ND/ND  
MW-91F  
ND/ND  
MW-91G  
ND/ND  
MW-91H  
ND/ND  
MW-91I  
ND/ND  
MW-91J  
ND/ND  
MW-91K  
ND/ND  
MW-91L  
ND/ND  
MW-91M  
ND/ND  
MW-91N  
ND/ND  
MW-91O  
ND/ND  
MW-91P  
ND/ND  
MW-91Q  
ND/ND  
MW-91R  
ND/ND  
MW-91S  
ND/ND  
MW-91T  
ND/ND  
MW-91U  
ND/ND  
MW-91V  
ND/ND  
MW-91W  
ND/ND  
MW-91X  
ND/ND  
MW-91Y  
ND/ND  
MW-91Z  
ND/ND

MW-45A  
13.5/13.7  
MW-45B  
1.6/1.6  
MW-75S  
3.0/3.2  
MW-76D  
0.72/1.4  
MW-77  
2.7/2.6  
MW-57D  
2.7/2.6  
MW-147D  
1.2/1.6  
MW-148S  
1.8/2.4  
MW-59  
1.8/1.6  
MW-57  
2.2/2.6  
MW-147S  
2.0/2.4  
MW-148S  
1.7/1.4  
MW-59  
1.8/1.6  
MW-57  
2.2/2.6  
MW-147D  
1.2/1.6  
MW-148S  
1.8/2.4  
MW-59  
1.8/1.6  
MW-57  
2.2/2.6  
MW-147S  
2.0/2.4  
MW-148S  
1.7/1.4  
MW-59  
1.8/1.6  
MW-57  
2.2/2.6

MW-101S  
15.3/15.6  
MW-100C  
20.2/22.6  
MW-29  
2.2/4.0  
MW-82S  
1.2/1.6  
MW-47  
1.2/3.5  
MW-109  
39.0/41.2  
MW-91C  
ND/ND  
MW-91D  
ND/ND  
MW-91E  
ND/ND  
MW-91F  
ND/ND  
MW-91G  
ND/ND  
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ND/ND  
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MW-91S  
ND/ND  
MW-91T  
ND/ND  
MW-91U  
ND/ND  
MW-91V  
ND/ND  
MW-91W  
ND/ND  
MW-91X  
ND/ND  
MW-91Y  
ND/ND  
MW-91Z  
ND/ND

MW-45A  
13.5/13.7  
MW-45B  
1.6/1.6  
MW-75S  
3.0/3.2  
MW-76D  
0.72/1.4  
MW-77  
2.7/2.6  
MW-57D  
2.7/2.6  
MW-147D  
1.2/1.6  
MW-148S  
1.8/2.4  
MW-59  
1.8/1.6  
MW-57  
2.2/2.6  
MW-147S  
2.0/2.4  
MW-148S  
1.7/1.4  
MW-59  
1.8/1.6  
MW-57  
2.2/2.6  
MW-147D  
1.2/1.6  
MW-148S  
1.8/2.4  
MW-59  
1.8/1.6  
MW-57  
2.2/2.6  
MW-147S  
2.0/2.4  
MW-148S  
1.7/1.4  
MW-59  
1.8/1.6  
MW-57  
2.2/2.6





- Legend**
- Groundwater Monitoring Well
  - Agricultural Supply Well
  - ⊕ Domestic Supply Well
  - Other Supply Well
  - ⊠ Groundwater Extraction Well (active)
  - ⊞ Multi-use Test Well, or Inactive Extraction/Injection Well
  - ◆ Freshwater Injection Well
  - ★ Step-Out Monitoring Wells Planned or Under Construction
  - PG&E-Owned Property
  - County Parcels
  - - - Approximate Limit of Saturated Alluvium Upper Aquifer
  - ▨ Bedrock Exposed at Ground Surface

MW-115S  
2.8/2.8

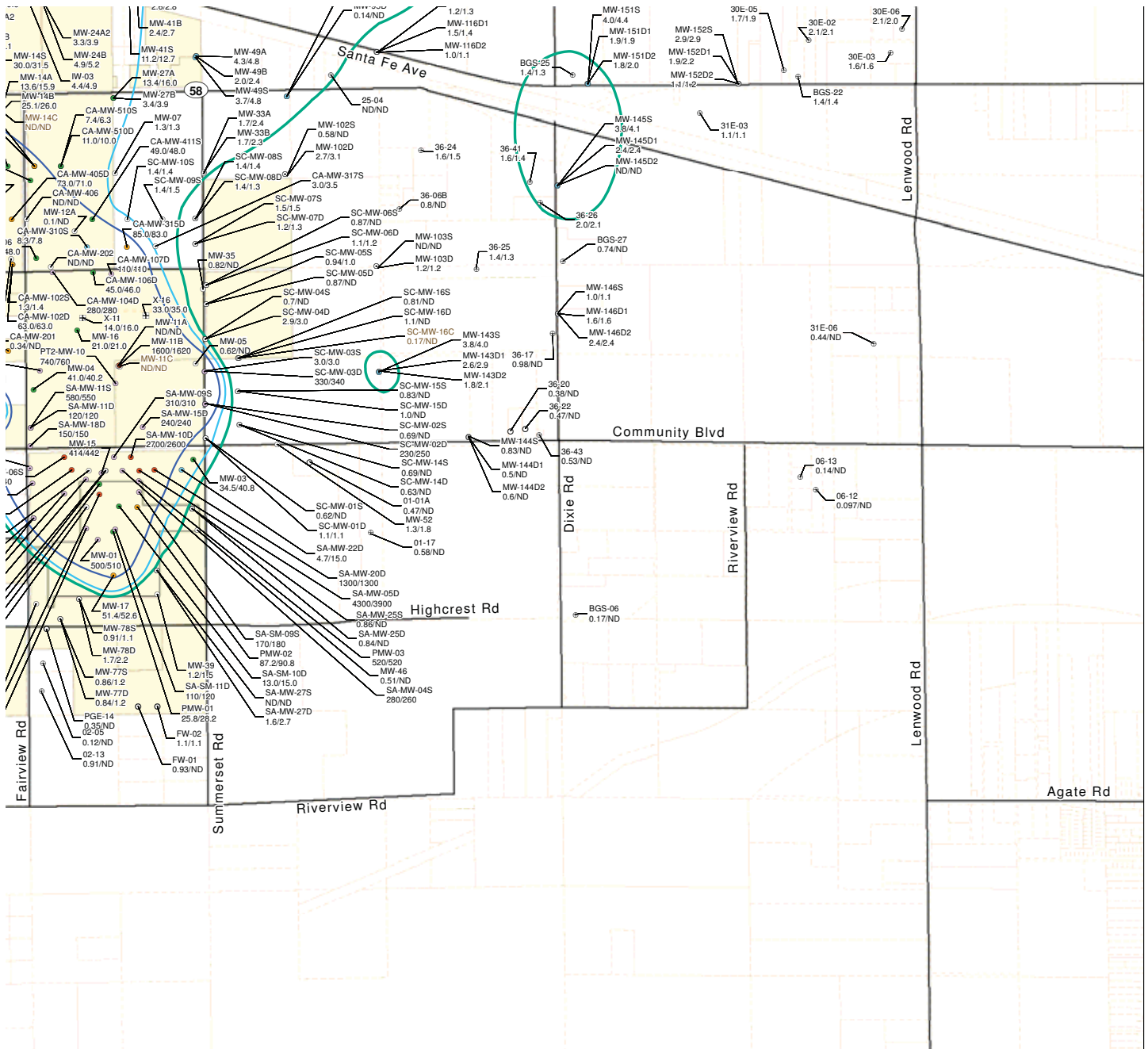
**Well ID**  
Cr(VI)/Cr(T) concentrations in micrograms per liter (µg/L); maximum of primary and duplicate samples during First Quarter 2012 sampling

Cr(VI) = Hexavalent Chromium  
Cr(T) = Total Dissolved Chromium  
ND = Not Detected; NS = Not Sampled

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

- > 1,000 µg/L
- 100 - 1,000 µg/L
- 50 - 100 µg/L
- 10 - 50 µg/L
- 3.1 - 10 µg/L
- < 3.1 µg/L or ND

- Notes:**
1. Chromium results are shown for all site-wide Groundwater Monitoring Program wells selected. In situ Reactive Zone (IRZ) monitoring wells are shown to aid in plume mapping.
  2. The concentration contours are based on chromium results from the upper aquifer groundwater supply wells C-01, C-02, C-03, and C-04 were included in contouring. Results for domestic and lower aquifer monitoring wells (brown colored labels) were not used for chromium.
  3. Concentration contours represent the maximum extent of either Cr(VI) or Cr(T) at any of the monitoring wells. Some chromium results for wells within the 50-, 10-, and 3.1/3.2-µg/L contours were not used for chromium.
  4. The 3.1/3.2-µg/L Cr(VI)/Cr(T) plume outline shown in the vicinity of Dixie Rd and Burnt Rock Rd is based on the January 2012 Cr(VI) and Cr(T) results for monitoring wells MW-73S and MW-75D. The January 2012 Cr(T) results for these wells were qualified with a J flag indicating that the results are greater than 100% for both wells.
  5. The chromium results shown for domestic and other private supply wells are from the most recent results shown. See Table 3-5 for the laboratory analytical results.
  6. The January 2012 chromium results for monitoring wells MW-73S and MW-75D were not used for chromium contouring because the January 2012 Cr(VI) and Cr(T) results for these wells were qualified with a J flag indicating that the results are greater than 100% for both wells.



wells sampled in the January-March 2012 sampling period. In addition, First Quarter 2012 results for mapping. For wells sampled multiple times during the reporting period, the most recent results are shown.

r domestic monitoring wells and short-screen (<25 feet) inactive extraction wells. Agricultural r domestic wells, long-screen (>25 feet) extraction wells (shown in italics) and agricultural supply wells, mium plume contouring.

t any depth within the upper aquifer based on chromium results from monitoring wells and short-screen g/L chromium contours are less than the contoured concentrations.

Burnt Tree Rd are inferred based on available data from the upper aquifer monitoring wells sampled during the

n sampling conducted during January-March 2012. For wells sampled multiple times during the reporting period, results for the domestic well sampling program.

were not used for First Quarter plume contouring for the following reasons: 1) the relative percent difference between nuary 2012 Cr(T) results are inconsistent with historical Cr(T) results (see Appendix I for chromium concentration graphs). g that they are estimated. These wells will be sampled in the Second Quarter 2012 sampling event.

**FIGURE 3-1  
CHROMIUM RESULTS FOR FIRST  
QUARTER 2012 GROUNDWATER  
MONITORING AND DOMESTIC  
WELL SAMPLING AND INTERPRETED  
MAXIMUM PLUME OUTLINE  
IN UPPER AQUIFER**

FIRST QUARTER 2012 GROUNDWATER MONITORING  
REPORT AND DOMESTIC WELL RESULTS  
SITE-WIDE GROUNDWATER MONITORING PROGRAM  
PACIFIC GAS AND ELECTRIC COMPANY  
HINKLEY COMPRESSOR STATION  
HINKLEY, CALIFORNIA