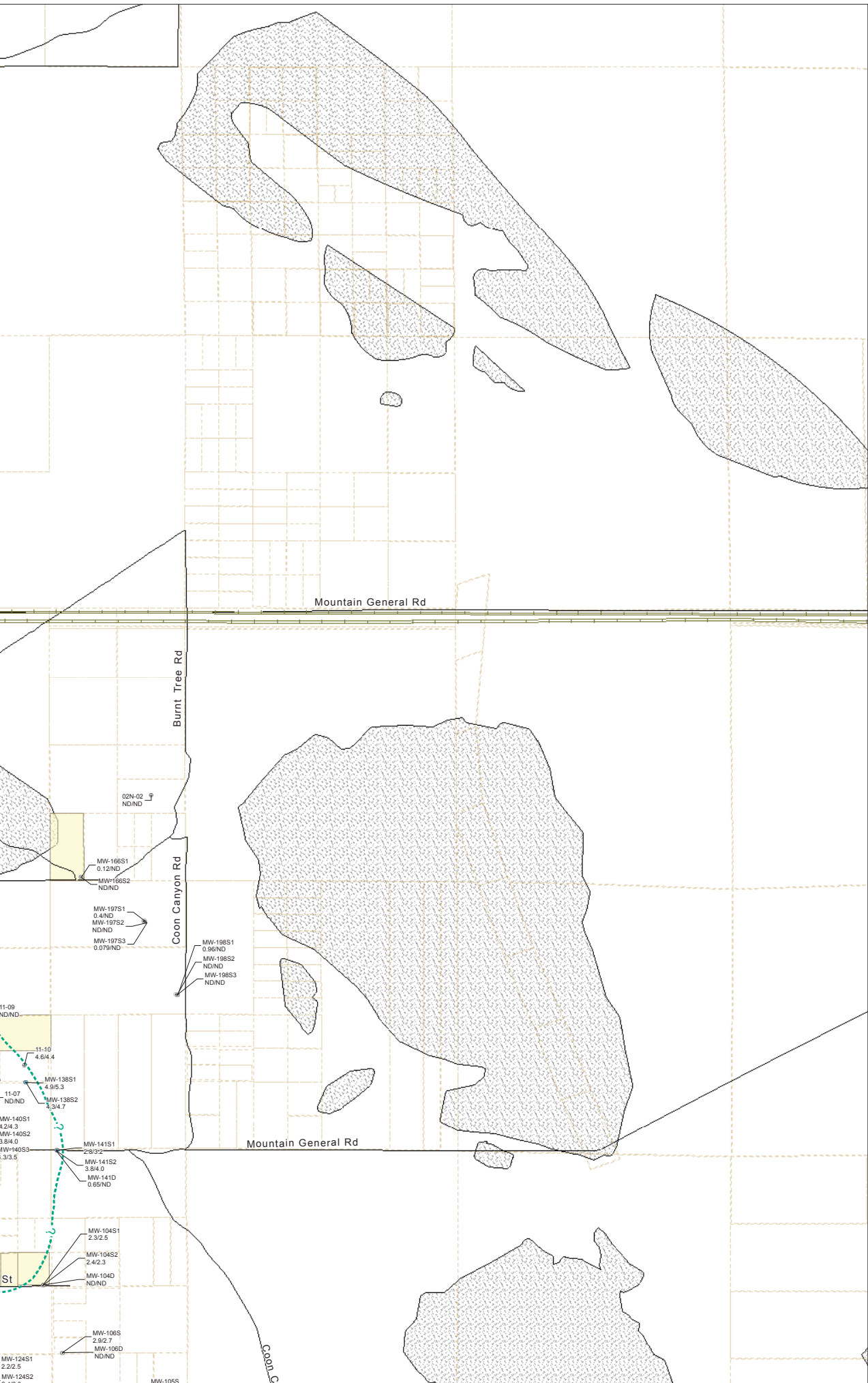
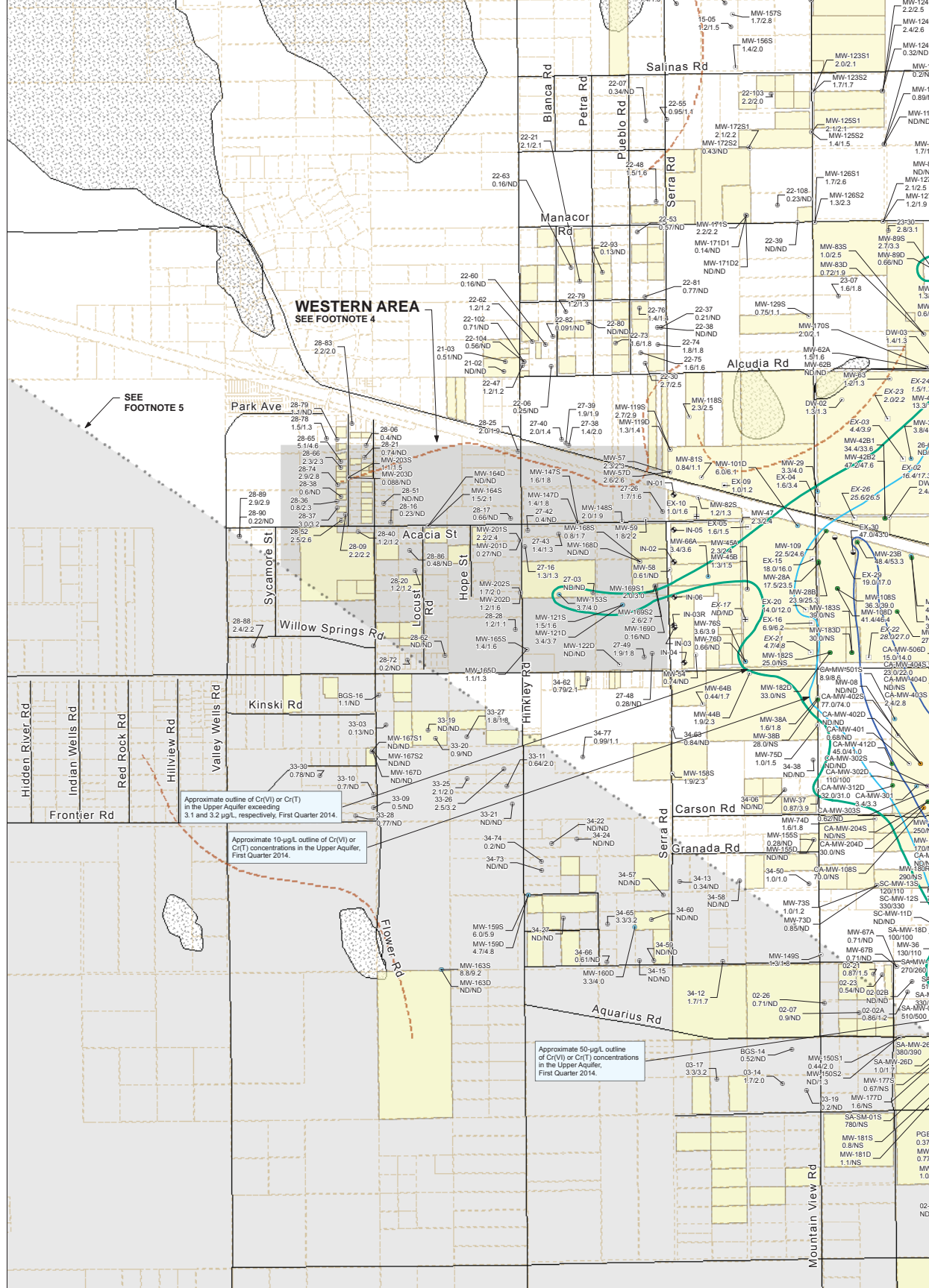


The 3.1/3.2-pg/L contour is shown as "-.-.-" where inferred and cannot be fully delineated by First Quarter 2014 monitoring data.





LEGEND:

- Groundwater monitoring well
- Agricultural supply well
- Domestic supply well
- Other supply well
- Groundwater extraction well (active)
- Multistage test well, or inactive extraction/injection well
- ◆ Freshwater injection well
- PG&E-owned property
- PG&E Compressor Station
- County parcels
- Transmission lines
- Approximate limit of saturated alluvium upper aquifer
- Approximate location of Lockhart Fault; fault trace is inferred, and there is no surface expression (Slamos et al., 2001)
- Bedrock exposed at ground surface
- Western Area

MW-77S 0.79/1.3 Well ID Cr(VI)/Cr(T) concentrations in µg/L; maximum of primary and duplicate samples during First Quarter 2014 sampling.

ABBREVIATIONS:

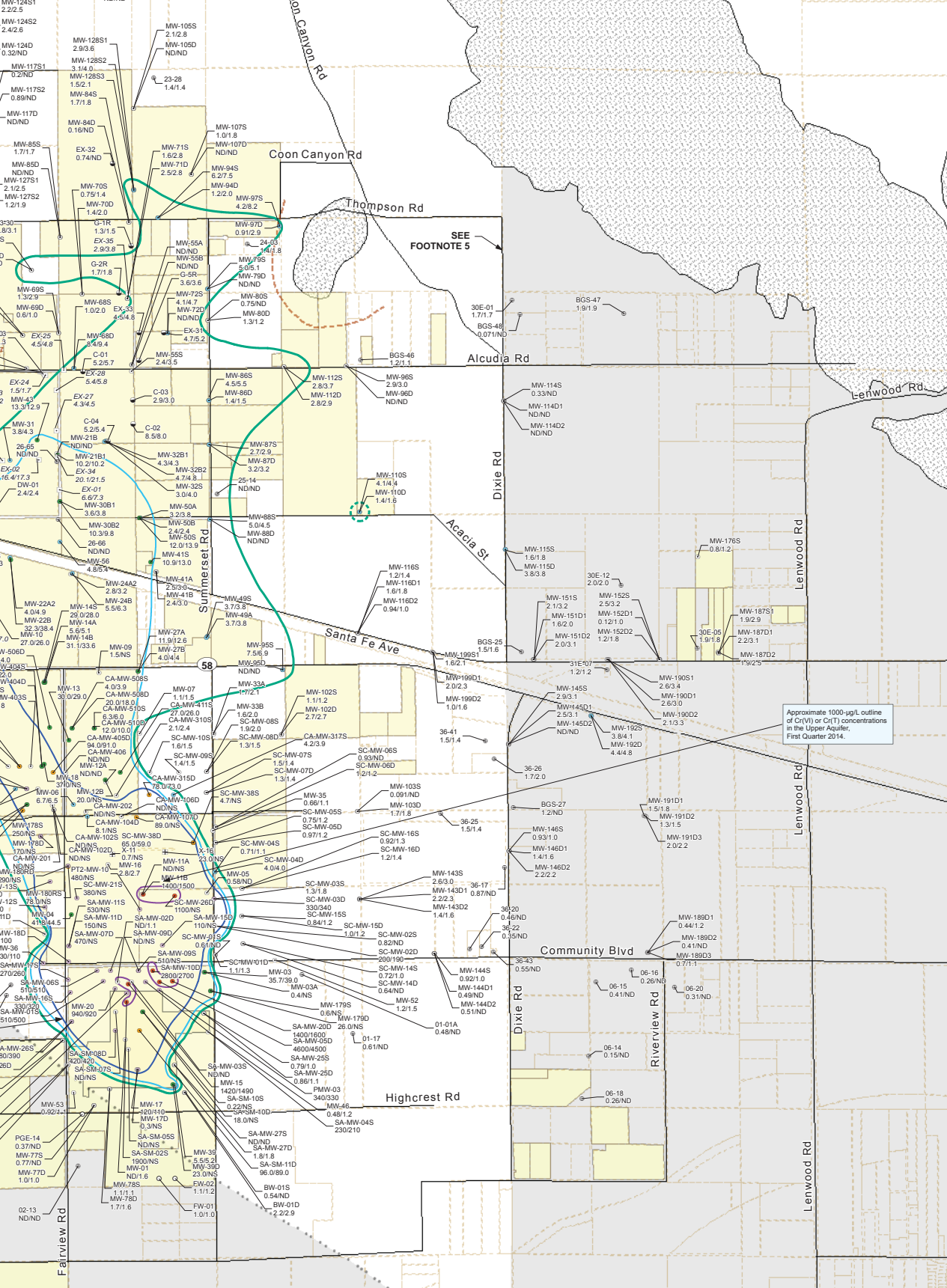
- µg/L micrograms per liter
- Cr(VI) hexavalent chromium
- Cr(T) total dissolved chromium
- IRZ In Situ Reactive Zone
- ND not detected
- NS not sampled

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

NOTES:

- Chromium results are shown for site-wide Groundwater Monitoring Program and domestic selected IRZ monitoring wells are shown to aid in plume mapping. For wells sampled multiple times, the highest concentration is shown.
- The concentration contours are based on First Quarter 2014 chromium results for the ground Upper Aquifer as noted on Figures 5-1 and 5-2. Results for domestic wells and Lower Aquifer are not shown.
- Concentration contours represent the maximum extent of either Cr(VI) or Cr(T) at any depth within the 50-, 10-, and 3.1/3.2-µg/L chromium concentrations are less than the contoured concentration.
- An evaluation of available hydrogeologic and groundwater quality data for the shaded Western Area is provided in the attached report, "Groundwater Flow and the Occurrence of Chromium in Groundwater of the Western Area". The Western Area contains naturally occurring chromium.
- Pursuant to the Lahontan Regional Water Quality Control Board's letter Review of Chromium Monitoring Wells, MW-154S1 and MW-193S3 are completed in low permeability sediments and Groundwater samples from these wells may not be representative of the groundwater conditions in the upper aquifer.



domestic wells sampled in the First Quarter (January through March) 2014 monitoring period. First Quarter 2014 results for wells sampled multiple times during the reporting period, the most recent results are shown.

the groundwater monitoring and extraction wells that are completed in the shallow zone and deep zone of the upper aquifer monitoring wells (brown-colored labels) were not used for chromium plume contouring.

any depth within the Upper Aquifer based on First Quarter 2014 chromium results. Some chromium results for wells are not shown.

the Western Area shown on this figure was included in the January 14, 2013, document titled *Conceptual Site Model for the Western Area Report* (CH2MHILL and Stantec, 2013). The findings of the January 14 report indicate that groundwater in the Western Area is contaminated by chromium.

Chromium Plume Maps, *Third Quarter 2013 Groundwater Monitoring Report and Agreement with Northern Investigation Concept* dated 10/1/13. The findings of this report indicate that groundwater in the Western Area is contaminated by chromium.

contaminants across the water table. These wells purged dry during sampling and are very slow to recharge. The results of these wells are not shown.

water conditions in the Upper Aquifer as sampled in other wells in this area.

**FIGURE 5-5
CHROMIUM RESULTS FOR FIRST
QUARTER 2014 GROUNDWATER
MONITORING AND DOMESTIC
WELL SAMPLING AND COMPLIANCE
MAXIMUM PLUME OUTLINE
IN UPPER AQUIFER**
FIRST QUARTER 2014 GROUNDWATER MONITORING
REPORT AND DOMESTIC WELL RESULTS
SITE-WIDE GROUNDWATER MONITORING PROGRAM
PACIFIC GAS AND ELECTRIC COMPANY
HINKLEY COMPRESSOR STATION
HINKLEY, CALIFORNIA