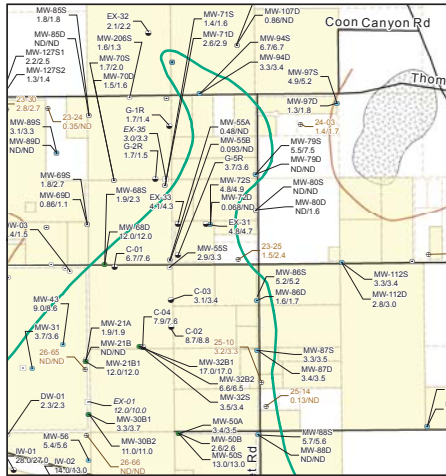


The 3.1/3.2 ug/L contour is shown as "..." where inferred and cannot be fully delineated by Second Quarter 2014 monitoring data.

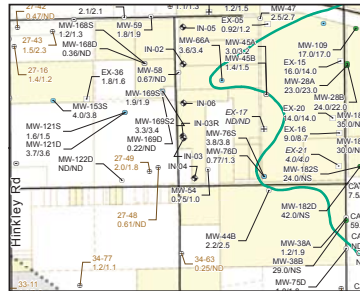
**PG&E Interpreted Plume Outlines**

PG&E does not agree with the contouring requirements set forth by the Water Board but has completed this map in accordance with the requested standards. The insets below provide PG&E's interpretation of several areas where they believe the requirements of the Water Board create an inaccurate representation of the chromium plume. These interpretations were created using all available hydrogeologic and geochemical information, applications of industry standard, and professional judgment. These displays present the same information and use the same scale as the larger map area.

**Inset 1**



**Inset 2**



**General PG&E Comment to Figure 5-5**

1. An evaluation of available hydrogeologic and groundwater quality data for the Western Area was included in the January 14, 2013, document titled *Conceptual Site Model for Groundwater Flow and the Occurrence of Chromium in Groundwater of the Western Area Report* (CH2MHILL and Stantec, 2013). The findings of the January 14 report indicate that groundwater in the Western Area contains naturally occurring chromium.
2. PG&E does not believe chromium concentrations north of the contiguous plume can be adequately evaluated with the information available at this time. Natural chromium levels present in the North Hinkley Valley will be further evaluated in the upcoming background study to be conducted by the United States Geological Survey.
3. Some monitoring wells currently used for contouring produce very little water or purge dry during sampling. Chromium concentrations from these locations, such as MW-154S1 and MW-193S3, may not be representative of the dominant groundwater flow or PG&E's impact to local groundwater.

Mountain General Rd

Burnt Tree Rd

Coon Canyon Rd

MW-168S1  
0.3ND

MW-168S2  
NDND

MW-197S1  
NDND

MW-197S2  
NDND

MW-197S3  
NDND

MW-198S1  
6.87ND

MW-198S2  
0.06ND

MW-198S3  
0.11ND

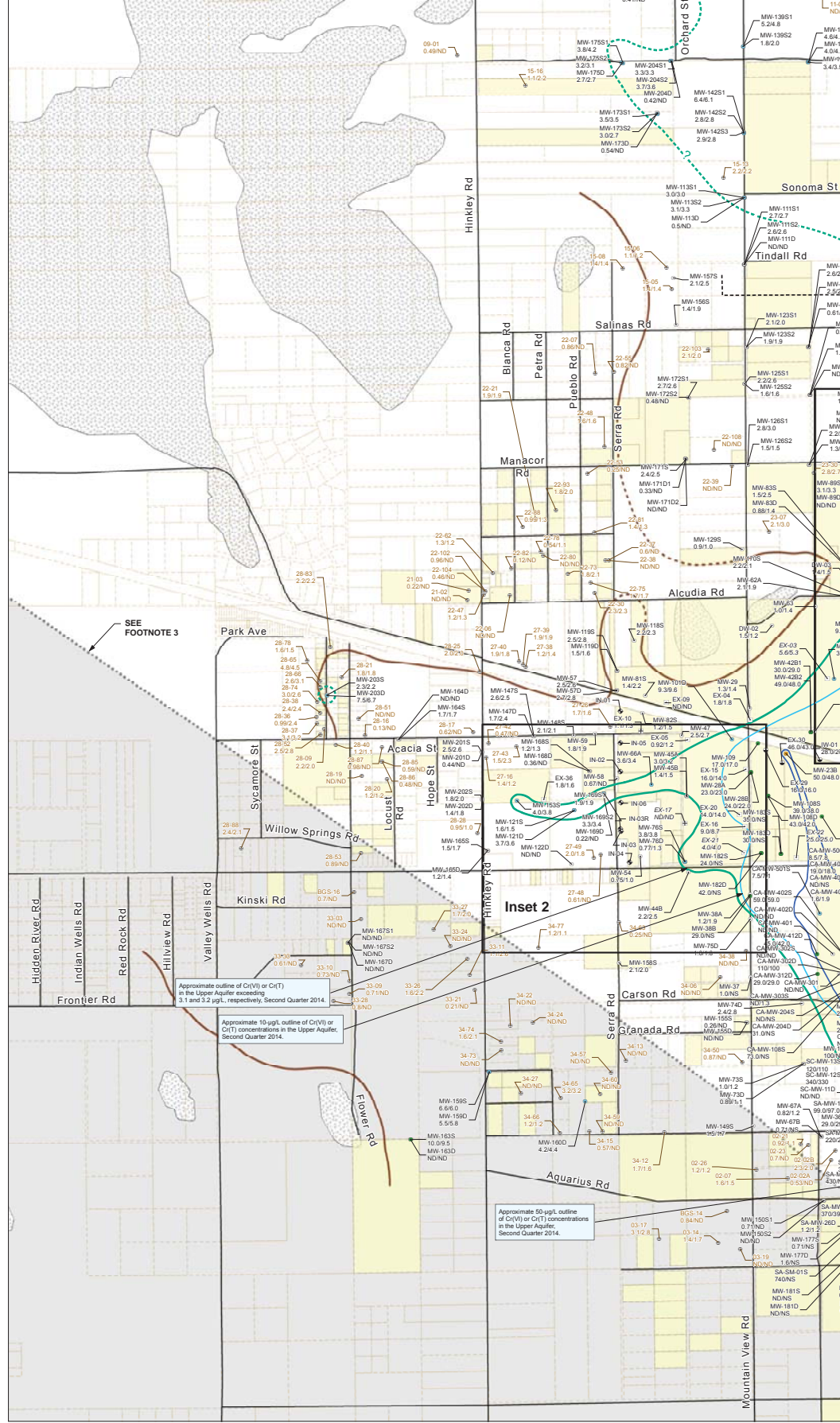
MW-198S1  
5.35.1

MW-198S2  
6.76.2

MW-198S1  
11.07

MW-198S2  
NDND

MW-198S3  
NDND



- LEGEND:**
- Groundwater monitoring well
  - Agricultural supply well
  - Domestic supply well
  - Other supply well
  - Groundwater extraction well (active)
  - Multiseal 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 (Stamos et al., 2007)
  - Bedrock exposed at ground surface
  - Western area

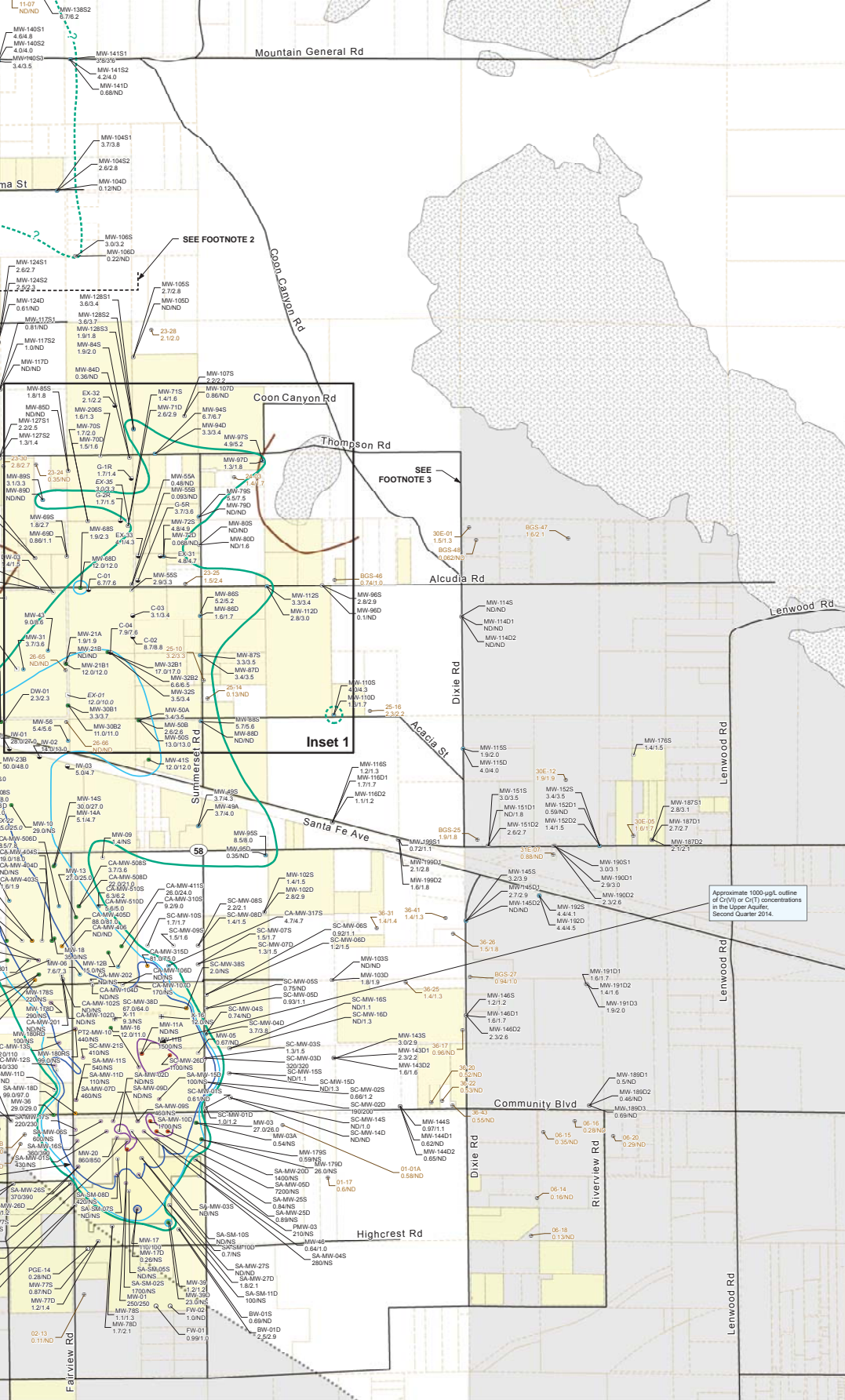
MW-77S Well ID  
0.87ND Cr(VI)/Cr(T) concentrations in µg/L, maximum of primary and duplicate samples during Second Quarter 2014 sampling.

**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:**
1. Chromium results are shown for site-wide Groundwater Monitoring Program and domestic wells during the reporting period; the most recent results are shown.
  2. The concentration contours are based on Second Quarter 2014 chromium results for the Upper Aquifer as noted on Figures 5-1 and 5-2. Results for domestic wells (brown-colored) pursuant to the Lahontan Regional Water Control Board's Letter Conditional Acceptance.
  3. Pursuant to the Lahontan Regional Water Quality Control Board's letter *Review of Chromium* dated December 12, 2013, groundwater monitoring wells are not used for chromium monitoring.
  4. Chromium plume contouring for concentrations of 10, 50 and 100 µg/L are completed using the Northwest Freshwater Injection Projects and represent a composite of the shallow and

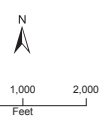


domestic wells sampled in the Second Quarter (April through June) 2014 monitoring period. For wells sampled multiple times during the monitoring period, the highest value is shown.

For the groundwater monitoring and extraction wells that are completed in the shallow zone and deep zone of the monitoring area, the maximum chromium concentration is shown. Chromium plume contouring is shown for those monitoring wells that were not used for chromium plume contouring except for those located north of Grasshopper Road. The maximum chromium concentration for these wells is shown in the Chromium Plume Maps, Third Quarter 2013 Groundwater Monitoring Report and Agreement with Northern Investigation Concept dated February 26, 2014.

For the monitoring wells that are located in the areas southwest of the Lockhart Fault and on or east of Dixie Road, the maximum chromium concentration is shown. For the monitoring wells that are located in the areas southwest of the Lockhart Fault and on or east of Dixie Road, the maximum chromium concentration is shown.

For the monitoring wells that are located in the areas southwest of the Lockhart Fault and on or east of Dixie Road, the maximum chromium concentration is shown.



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