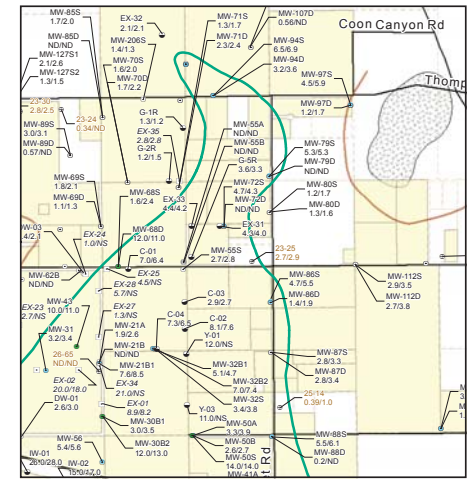


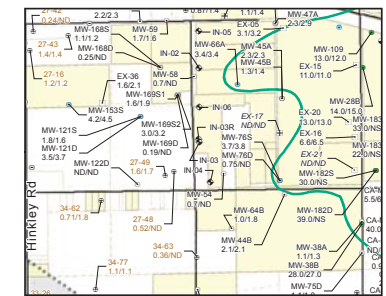
**PG&E Interpreted Plume Outlines**

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**



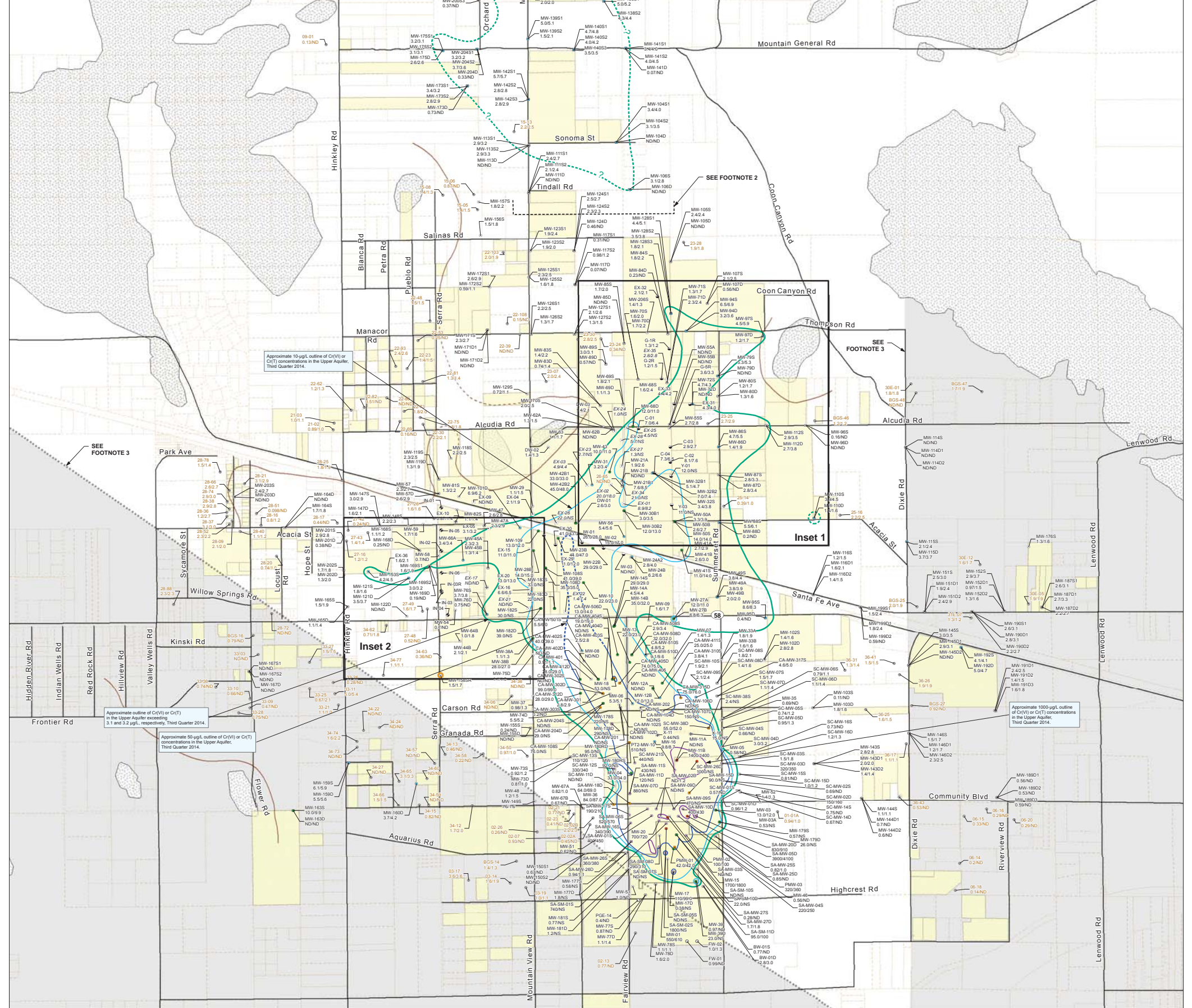
**Inset 2**



**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.





**LEGEND:**

- Groundwater monitoring well
- Agricultural supply well
- Domestic supply well
- Other supply well
- Groundwater extraction well (active)
- Multifuse test well, or inactive extraction/injection well
- Freshwater injection well
- New wells installed during Third Quarter 2014
- PG&E-owned property
- PG&E Compressor Station
- County parcel
- 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., 2001)
- Bedrock exposed at ground surface
- Western area

**ABBREVIATIONS:**

Micrograms per liter (µg/L) hexavalent chromium (Cr(VI)) total dissolved chromium (Cr(T)) in Situ Reactive Zone (ISZR) not detected (ND) 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 wells sampled in the Third Quarter (July through September) 2014 monitoring period. For wells sampled multiple times during the reporting period, the most recent results are shown.
- The concentration contours are based on Third Quarter 2014 chromium results for the groundwater monitoring and extraction wells that are completed in the shallow zone and deep zone of the Upper Aquifer as noted on Figures 5-1 and 5-2. Results for domestic wells (brown-colored labels) were not used for chromium plume contouring except for those located north of Grathopper Road, pursuant to the Lahontan Regional Water Quality Control Board's Letter Conditional Acceptance of Northern Area Investigation Proposal dated February 25, 2014.
- Pursuant to the Lahontan Regional Water Quality Control Board's letter Review of Chromium Plume Maps, Third Quarter 2013 Groundwater Monitoring Report and Agreement with Northern Investigation Concept dated December 12, 2013, groundwater monitoring wells are not used for chromium contouring if they are located in the area southwest of the Lockhart Fault and on or east of Dixie Road.
- Chromium plume contouring for concentrations of 10, 50 and 1000 µg/L are completed using the more robust dataset presented in the October 15, 2014 Third Quarter 2014 Monitoring Report for the In Situ Reactive Zone and Northwest Freshwater Injection Projects and represent a composite of the shallow and deep zone contours presented therein. Select wells from that program are shown here for reference.

**FIGURE 5-5 CHROMIUM RESULTS FOR THIRD QUARTER 2014 GROUNDWATER MONITORING AND DOMESTIC WELL SAMPLING AND COMPLIANCE MAXIMUM PLUME OUTLINE IN UPPER AQUIFER**

THIRD QUARTER 2014 GROUNDWATER MONITORING REPORT AND DOMESTIC WELL RESULTS  
SITE-WIDE GROUNDWATER MONITORING PROGRAM  
PACIFIC GAS AND ELECTRIC COMPANY  
HINKLEY COMPRESSOR STATION  
HINKLEY, CALIFORNIA

0 1,000 2,000 Feet

**CH2M HILL**