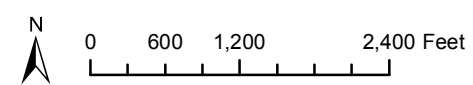


Approximate 10 µg/L outline of Cr(VI) or Cr(T) concentrations in Upper Aquifer, First Quarter 2011

Approximate 50 µg/L outline of Cr(VI) or Cr(T) concentrations in Upper Aquifer, First Quarter 2011

Approximate outline of Cr(VI) or Cr(T) in Upper Aquifer exceeding background values of 3.1 and 3.2 µg/L, respectively, First Quarter 2011



- 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
  - PG&E Owned Property
  - Approximate Limit of Saturated Alluvium Upper Aquifer
  - ▨ Bedrock Exposed at Ground Surface

MW-61	Well ID	Cr(VI)/Cr(T) concentrations in micrograms per liter (µg/L); maximum of primary and duplicate samples during First Quarter 2011 sampling
1.99/2.04		

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

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

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

- Notes:**
- Chromium results are shown for all site-wide Groundwater Monitoring Program wells sampled in the January-February 2011 sampling event. In addition, First Quarter 2011 results for selected In-situ Reactive Zone (IRZ) monitoring wells are shown for plume mapping.
  - The concentration contours are based on chromium results from the upper aquifer groundwater monitoring wells and short-screen (<25 feet) extraction wells. Results for water supply wells, long-screen (>25 feet) extraction wells (shown in italics), and lower aquifer monitoring wells (gray shade labels) were not used for contouring.
  - Concentration contours represent the maximum extent of either Cr(VI) or Cr(T) at any depth within the upper aquifer based on chromium results for monitoring wells and short-screen extraction wells. Some chromium results for wells within the 50, 10, and 3.1/3.2 µg/L chromium contours are less than those concentrations.
  - The 3.1/3.2 µg/L Cr(VI)/Cr(T) plume outline shown in the northeast, Thompson-Summeret Road area, is inferred based on available data from upper aquifer monitoring wells sampled in this area during First Quarter 2011.
  - The chromium results shown for domestic and other private supply wells are from sampling conducted in December 2010 and January-March 2011. The results for the most recent sampling are shown for wells sampled multiple times during reporting period. See Table 5 for the laboratory analytical results for the domestic well sampling program.

**FIGURE 5**  
**CHROMIUM RESULTS FOR FIRST QUARTER 2011 GROUNDWATER MONITORING AND DOMESTIC WELL SAMPLING AND INTERPRETED MAXIMUM PLUME OUTLINE IN UPPER AQUIFER**  
SITE-WIDE GROUNDWATER MONITORING PROGRAM  
PACIFIC GAS & ELECTRIC CO. COMPRESSOR STATION  
HINKLEY, CALIFORNIA