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

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

Approximate 50 µg/L outline of Cr(VI) or Cr(T) concentrations in Upper Aquifer, Fourth 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
- Step-Out Monitoring Wells Planned or Under Construction (Santec, 2012)
- PG&E Owned Property
- Approximate Limit of Saturated Alluvium Upper Aquifer
- Bedrock Exposed at Ground Surface

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:**
- Chromium results are shown for all site-wide Groundwater Monitoring Program wells sampled in the October-December 2011 sampling period. In addition, Fourth Quarter 2011 results for selected In-situ Reactive Zone (IRZ) monitoring wells are shown to aid in plume mapping. For wells sampled multiple times during the reporting period, the most recent results are shown.
 - The concentration contours are based on chromium results from the upper aquifer groundwater monitoring wells and short-screen (<25 feet), inactive extraction wells. Wells C-01, C-02, and C-04 which were included in contouring. Results for water supply wells, long-screen (>25 feet), inactive extraction wells (shown in italics), and lower aquifer monitoring wells (brown colored labels) were not used for chromium plume 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 C-01, C-02, and C-04. Some chromium results for wells within the 50, 10, and 3.1/3.2 µg/L chromium contours are less than the contoured concentrations.
 - The 3.1/3.2 µg/L Cr(VI)/Cr(T) plume outline shown in the vicinity of Dixie Rd are inferred based on available data from the upper aquifer monitoring wells sampled during the Fourth Quarter 2011.
 - The chromium results shown for domestic and other private supply wells are from sampling conducted October-December 2011. For wells sampled multiple times during the reporting period, the most recent results are shown. See Table 3-5 for the laboratory analytical results for the domestic well sampling program.
 - Wells identified with brown text are Lower Aquifer wells and not used for contouring.

FIGURE 3-1 CHROMIUM RESULTS FOR FOURTH 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