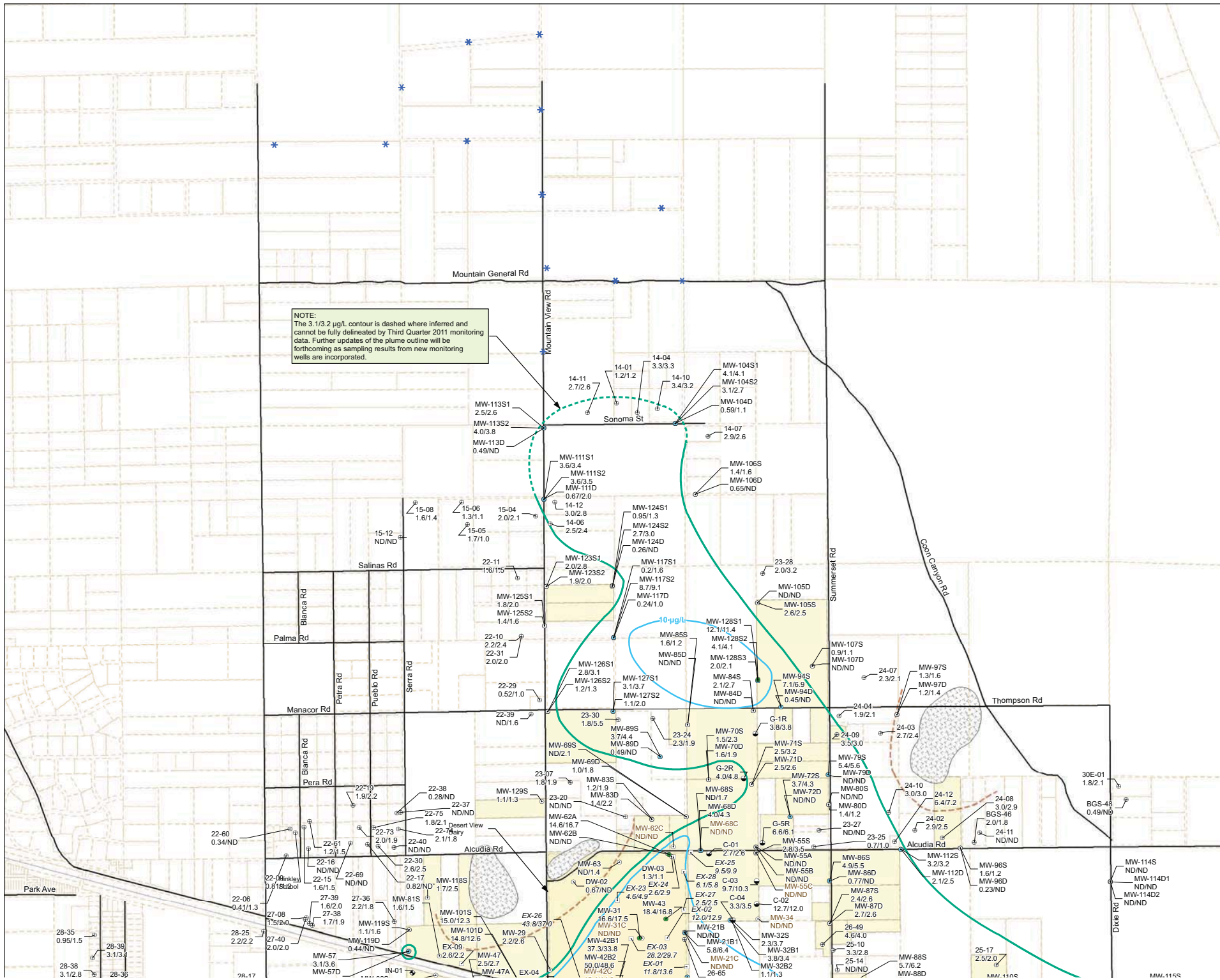


NOTE:
 The 3.1/3.2 µg/L contour is dashed where inferred and cannot be fully delineated by Third Quarter 2011 monitoring data. Further updates of the plume outline will be forthcoming as sampling results from new monitoring wells are incorporated.



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0.95/1.5

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3.1/3.1

28-38
3.1/2.8

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2.2/2.2

28-26
2.0/2.0

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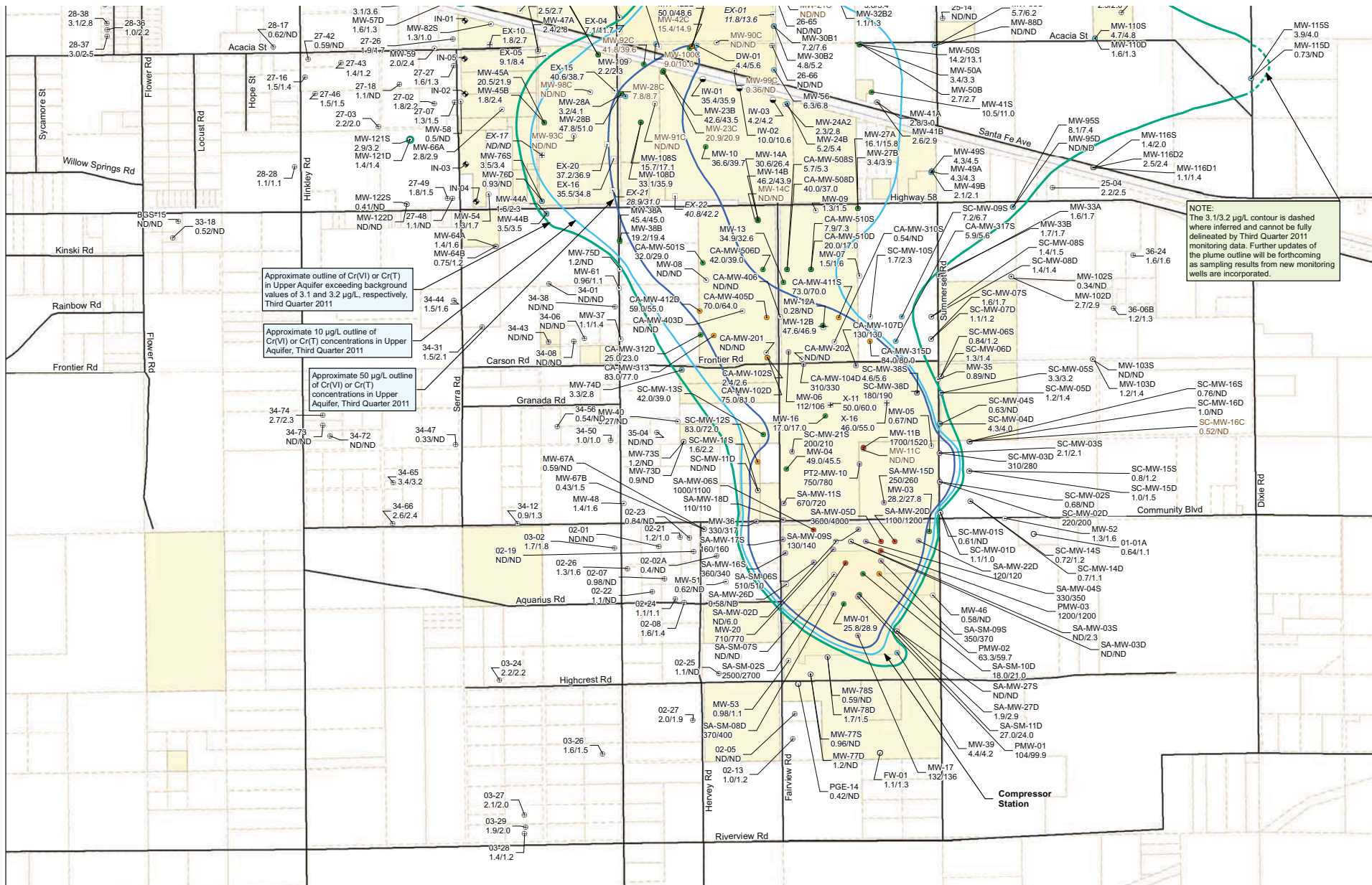
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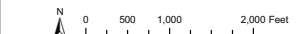


NOTE:
The 3.1/3.2 µg/L contour is dashed where inferred and cannot be fully delineated by Third Quarter 2011 monitoring data. Further updates of the plume outline will be forthcoming as sampling results from new monitoring wells are incorporated.

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

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

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



- Legend**
- Groundwater Monitoring Well
 - Agricultural Supply Well
 - Domestic 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
 - ⊕ Step-out Monitoring Wells
 - ★ Planned or Under Construction (Stantec 2011)
- 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

MW-61 Well ID
1.59/2.04
Cr(VI)/Cr(T) concentrations in micrograms per liter (µg/L), maximum of primary and duplicate samples during Third Quarter 2011 sampling

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

- Notes:**
- Chromium results are shown for all site-wide Groundwater Monitoring Program wells sampled in the July-September 2011 sampling period. In addition, Third 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. 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. 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 Thompson Road and Sonoma Street northern area and in the vicinity of Dixie Rd are inferred based on available data from the upper aquifer monitoring wells sampled during the Third Quarter 2011.
 - The chromium results shown for domestic and other private supply wells are from sampling conducted July-September 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.

FIGURE 3-1 CHROMIUM RESULTS FOR THIRD 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