

LEGEND

IMPACTED PRODUCTION WELL

- ALLUVIUM
- SAUGUS

NON-IMPACTED PRODUCTION WELL

- ALLUVIUM
- SAUGUS

MONITORING WELLS

- ▲ ALLUVIUM
- ▲ SAUGUS

GROUNDWATER FLOWPATHS

- MODEL LAYER 1
- MODEL LAYER 2
- MODEL LAYER 3
- MODEL LAYER 4
- MODEL LAYER 5
- WHITTAKER-BERMITE PROPERTY BOUNDARY

NOTES:

1. VALUES PRESENTED UNDER WELL SYMBOLS REPRESENT PERCHLORATE CONCENTRATION IN GROUNDWATER (µg/L).
2. INDICATED PUMPING RATES REPRESENT INSTANTANEOUS RATES WHEN THE WELL OPERATES.
3. ND = PERCHLORATE NOT DETECTED IN GROUNDWATER SAMPLE.
4. µg/L = MICROGRAMS PER LITER; gpm = GALLONS PER MINUTE
5. PARTICLES ARE INITIATED IN LAYER 2 AT NCWD-11, AND LAYER 3 AT SCWC-SAUGUS 1 AND SCWC-SAUGUS 2.
6. FLOWPATHS ARE DELINEATED USING AN EFFECTIVE POROSITY OF 0.10 IN THE ALLUVIAL AQUIFER AND THE SAUGUS FORMATION.

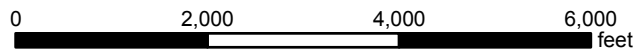


FIGURE 2-28
TEN-YEAR CAPTURE ZONES
FOR WELLS SCWC-SAUGUS 1,
SCWC-SAUGUS 2, AND NCWD-11
 ANALYSIS OF PERCHLORATE CONTAINMENT IN
 GROUNDWATER NEAR THE WHITTAKER-BERMITE PROPERTY
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