



**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 2-29**  
**TWENTY-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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