

LEGEND

IMPACTED PRODUCTION WELL

- ALLUVIUM
- SAUGUS

NON-IMPACTED PRODUCTION WELL

- ALLUVIUM
- SAUGUS

MONITORING WELLS

- ▲ ALLUVIUM
- ▲ SAUGUS

GROUNDWATER FLOWPATHS

- PUMPING RATE 1200 gpm
- PUMPING RATE 700 and 1000 gpm
- WHITTAKER-BERMITE PROPERTY BOUNDARY

- NOTES:**
1. VALUES PRESENTED UNDER WELL SYMBOLS REPRESENT PERCHLORATE CONCENTRATION IN GROUNDWATER ($\mu\text{g/L}$).
 2. INDICATED PUMPING RATES REPRESENT INSTANTANEOUS RATES WHEN THE WELL OPERATES.
 3. ND = PERCHLORATE NOT DETECTED IN GROUNDWATER SAMPLE.
 4. $\mu\text{g/L}$ = MICROGRAMS PER LITER; gpm = GALLONS PER MINUTE
 5. FLOWPATHS AT VWC-157 AND MP-5 ARE INITIATED IN MODEL LAYERS 2, 3, 4, AND 5. FLOWPATHS AT THE WHITTAKER-BERMITE PROPERTY BOUNDARY ARE INITIATED IN MODEL LAYER 3.
 6. FLOWPATHS ARE DELINEATED USING AN EFFECTIVE POROSITY OF 0.10 IN THE ALLUVIAL AQUIFER AND THE SAUGUS FORMATION.

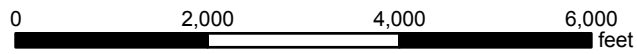


FIGURE 2-32
SENSITIVITY OF FLOWPATHS IN THE SAUGUS FORMATION TO LOWER PUMPING RATES AT SCWC-SAUGUS1 AND SCWC-SAUGUS2
 ANALYSIS OF PERCHLORATE CONTAINMENT IN GROUNDWATER NEAR THE WHITTAKER-BERMITE PROPERTY SANTA CLARITA, CALIFORNIA