

**LEGEND**

**SENTINEL WELLS**

**EXISTING SENTINEL WELL**

- ALLUVIUM
- SAUGUS

**NEW SENTINEL WELL**

- ALLUVIUM
- SAUGUS

**PRODUCTION WELL**

**IMPACTED PRODUCTION WELL**

- ALLUVIUM
- SAUGUS

**NON-IMPACTED PRODUCTION WELL**

- ALLUVIUM
- SAUGUS

**OTHER MONITORING WELL**

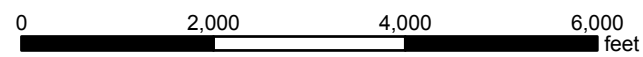
- ▲ ALLUVIUM
- ▲ SAUGUS

**GROUNDWATER FLOWPATHS**

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

**NOTES:**

1. FLOWLINES STARTED THROUGHOUT MODEL LAYERS 2 AND 3 AND TRACED BACKWARDS FOR 20 YEARS.
2. FLOWPATHS ARE DELINEATED USING AN EFFECTIVE POROSITY OF 0.10 IN THE ALLUVIAL AQUIFER AND THE SAUGUS FORMATION.



**FIGURE 3-1**  
**WELL LOCATIONS FOR SENTINEL**  
**MONITORING OF GROUNDWATER QUALITY**  
 ANALYSIS OF PERCHLORATE CONTAMINANT IN  
 GROUNDWATER NEAR THE WHITTAKER-BERMITE PROPERTY  
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