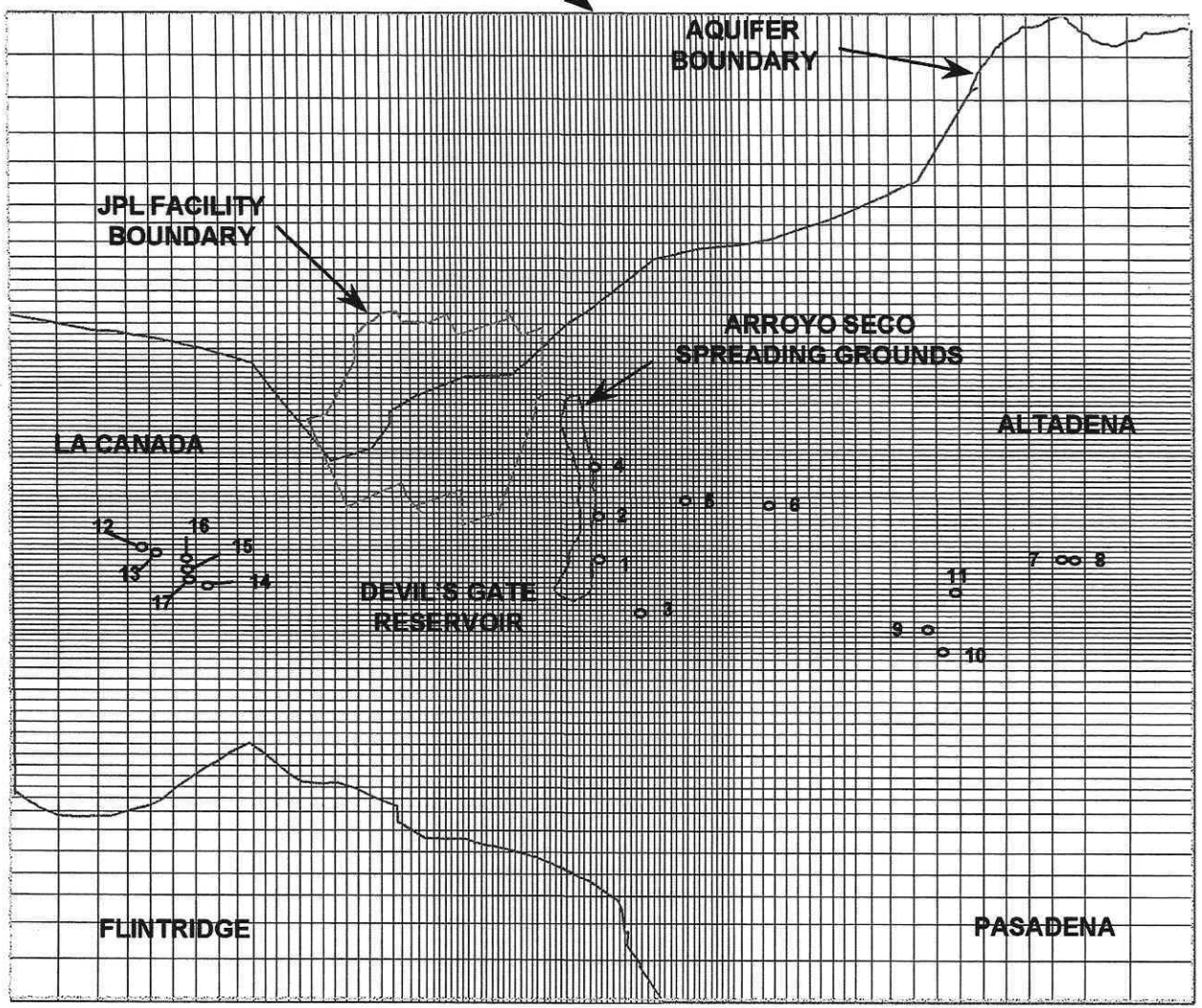


| No. | Pumping Wells |
|---|---|
| 1 | Ventura Well |
| 2 | Well 52 |
| 3 | Windsor Well |
| 4 | Arroyo Well |
| 5 | Lincoln Ave Well #3 |
| 6 | Lincoln Ave Well #5 |
| 7 | MT. View # 2 |
| 8 | MT. View # 3 |
| 9 | Rubio Canyon #7 |
| 10 | Rubio Canyon #4 |
| 11 | Las Flores Well |
| 12 | La Canada Well 1 |
| 13 | La Canada Well 6 |
| 14 | Valley Well 1 |
| 15 | Valley Well 2 |
| 16 | Valley Well 3 |
| 17 | Valley Well 4 |

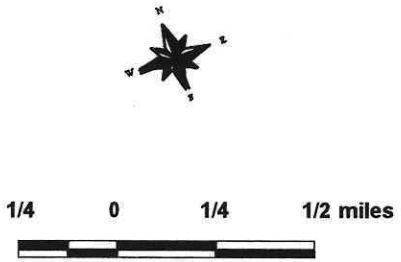


**Figure 3-1**

**Municipal Well Locations with Model Grid**

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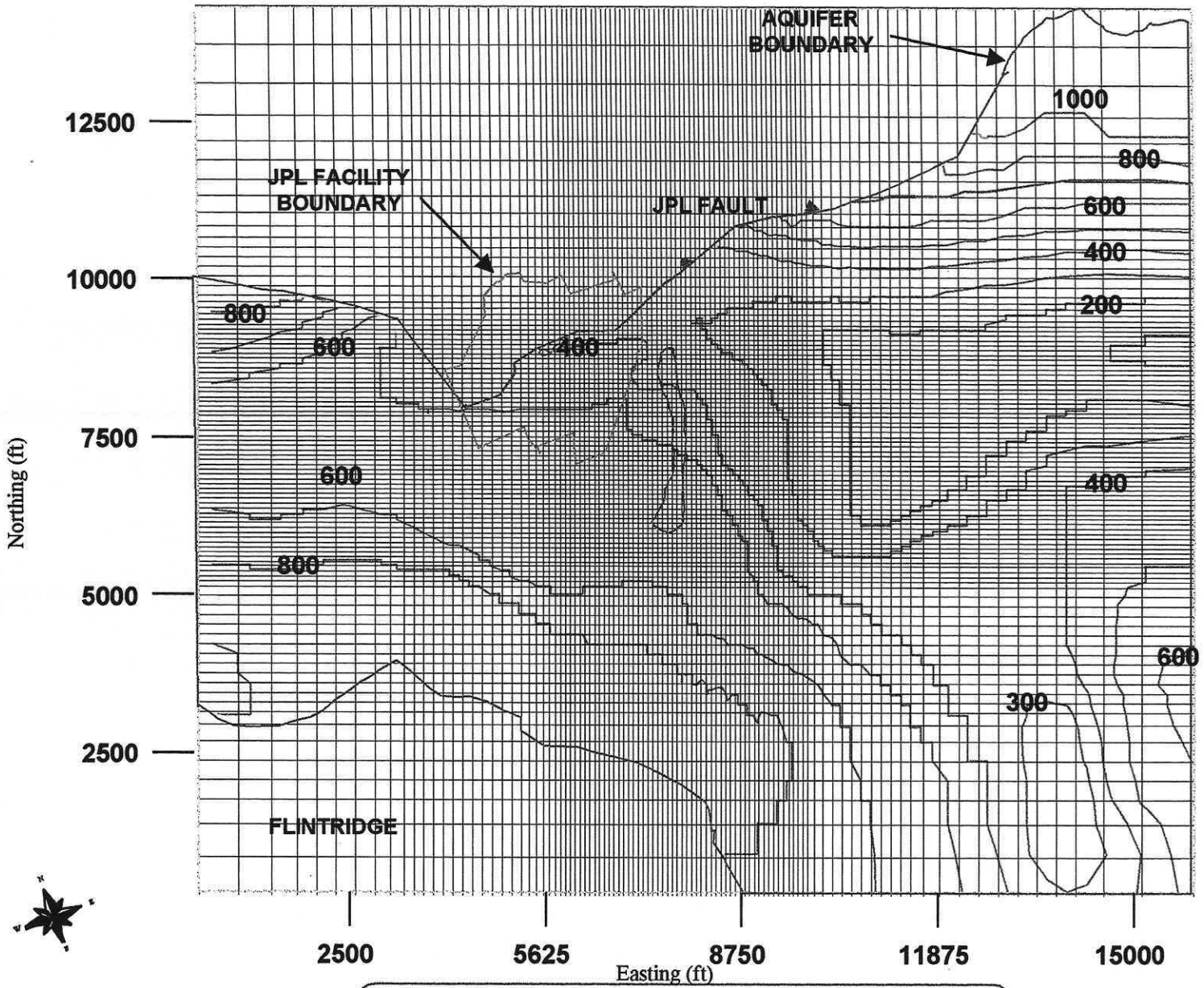


**Figure 3-2**
**ELEVATION (ft) OF TOP OF BEDROCK USED FOR MODEL INPUT**

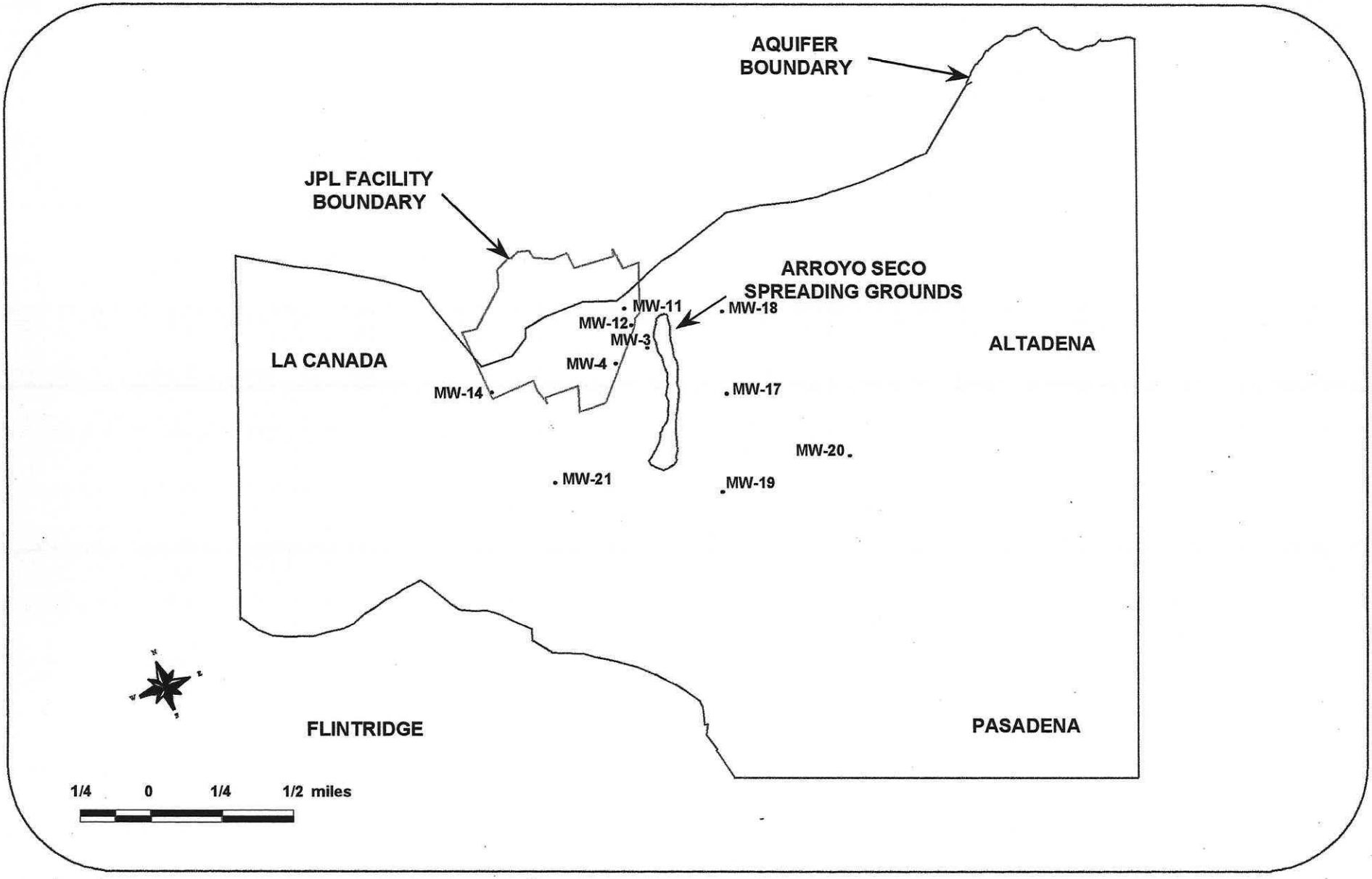


**Figure 3-3**
**JPL Multi-Port Monitoring Well Locations**

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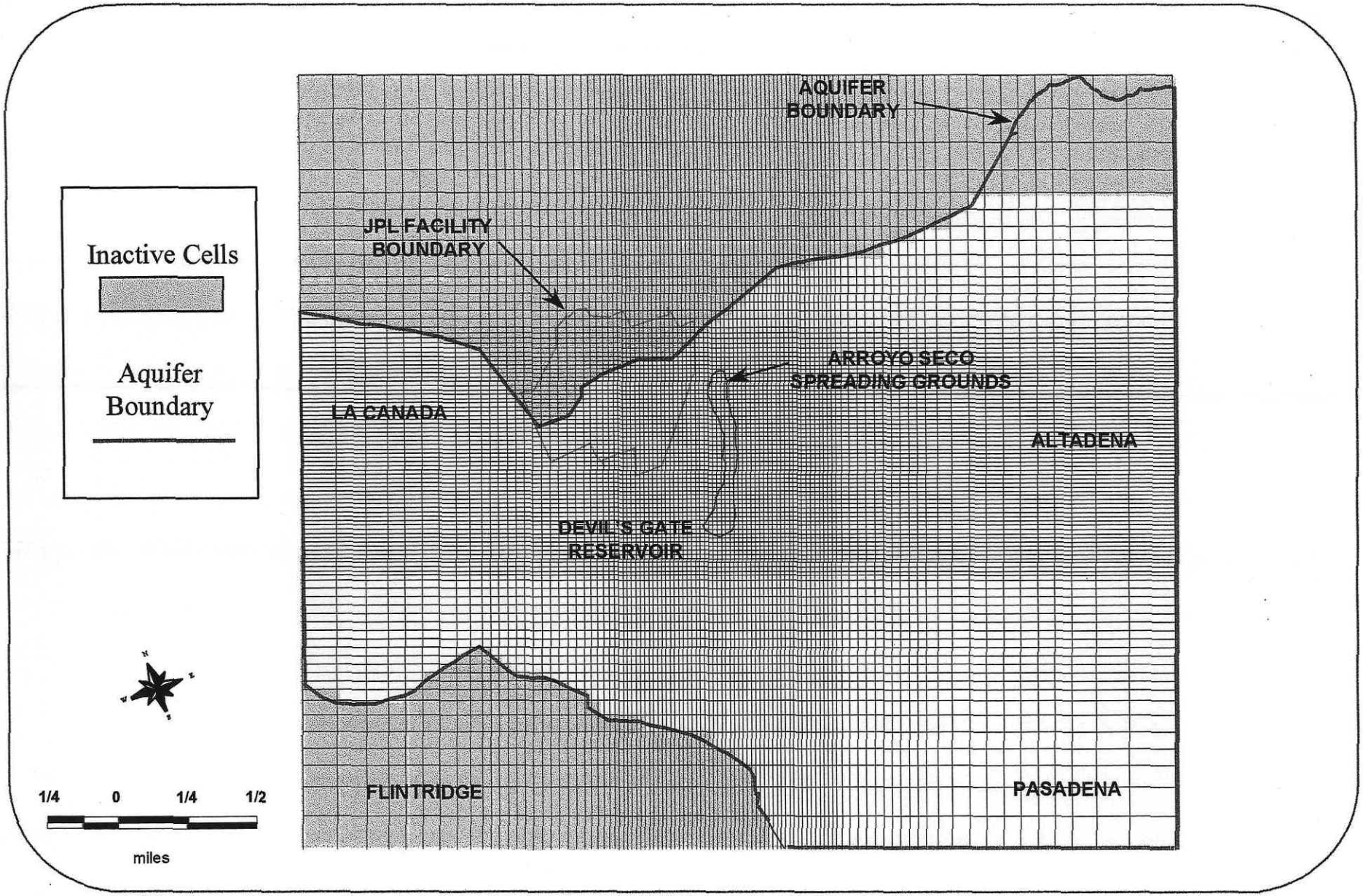



**Figure 3-4**
No-Flow Boundaries in JPL Model

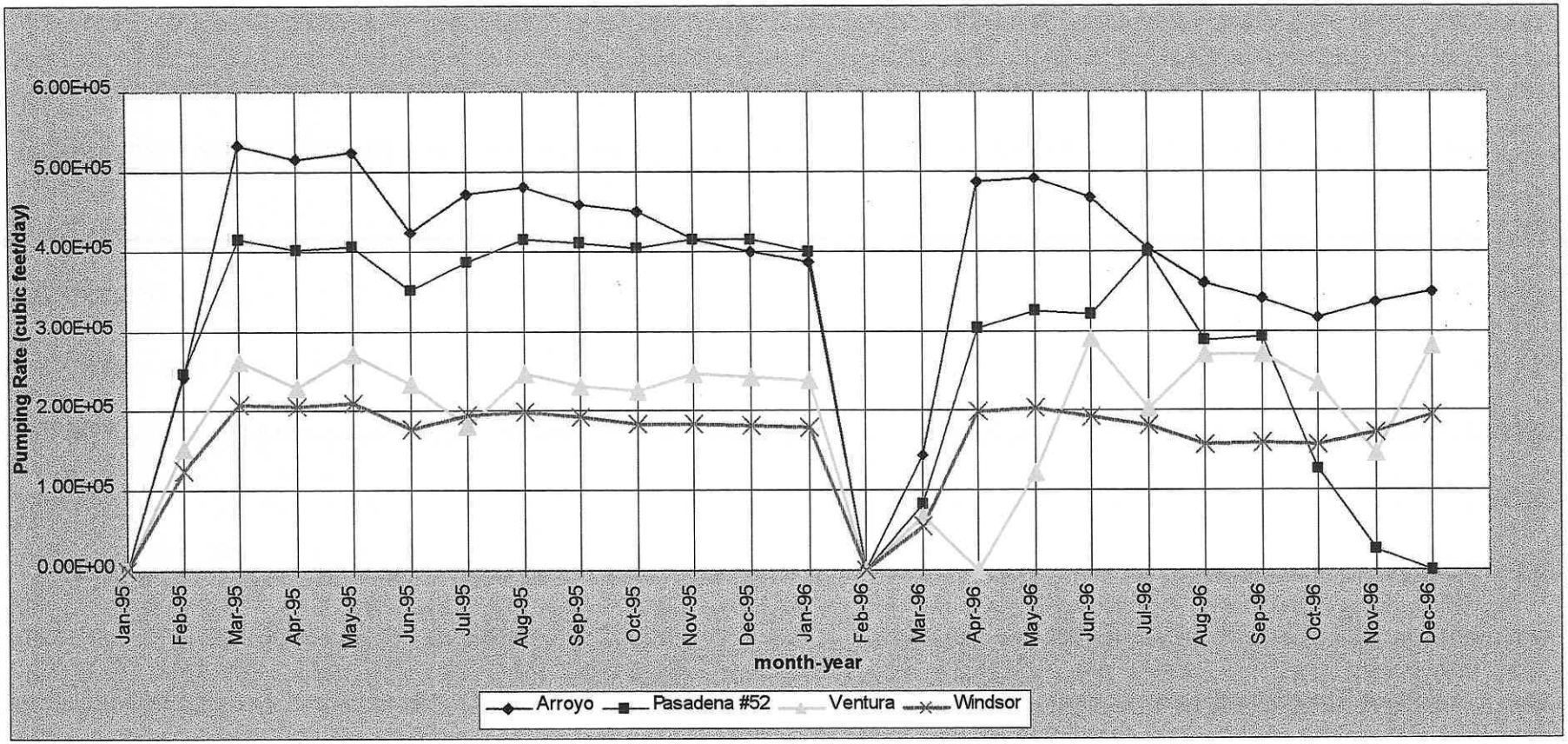
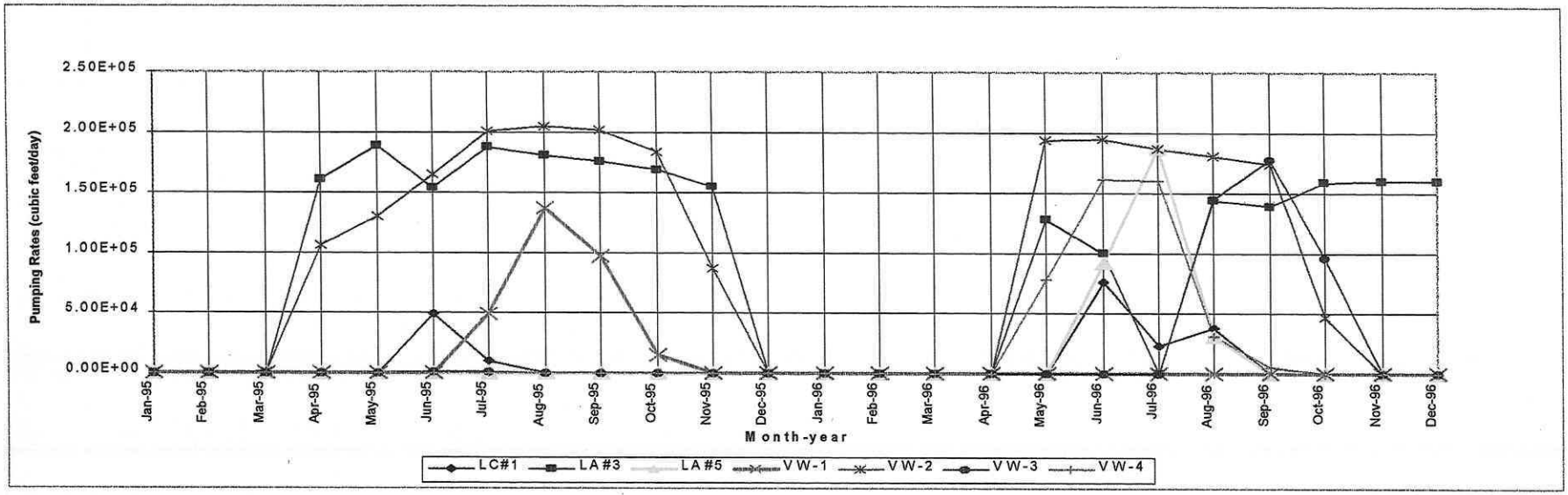



**Figure 3-5**
**Pumping Rates for City of Pasadena Wells for Time Period of Three-Dimensional Model**



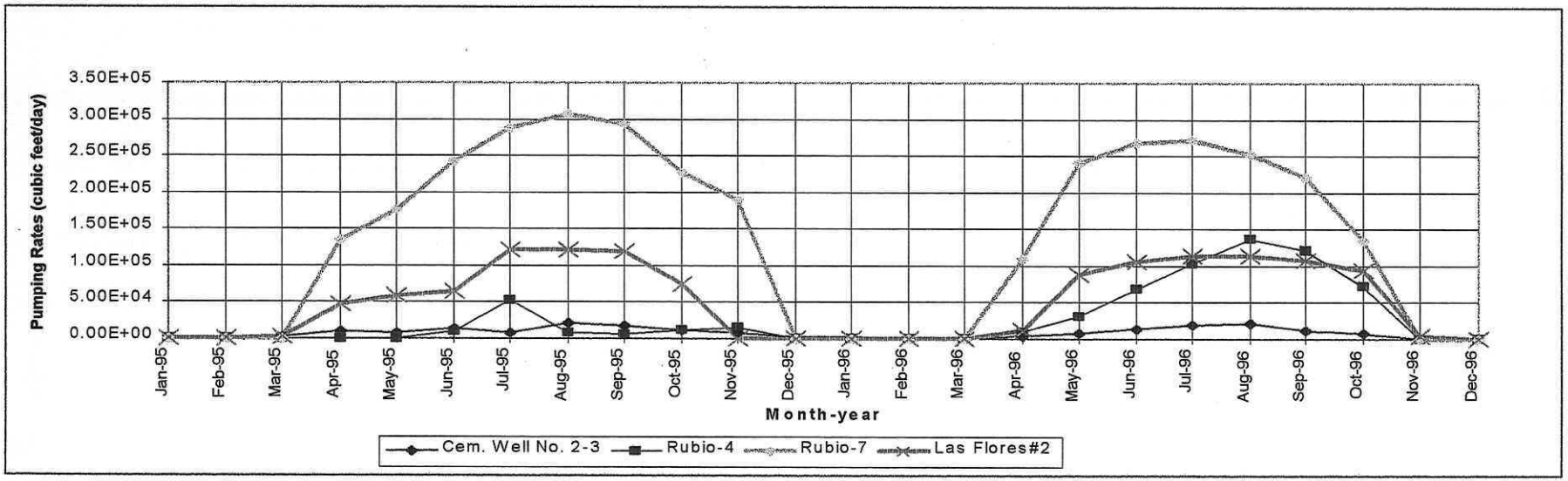




**Figure 3-6**
**Pumping Rates for Nearby Municipal Wells for Time Period of Three-Dimensional Model**

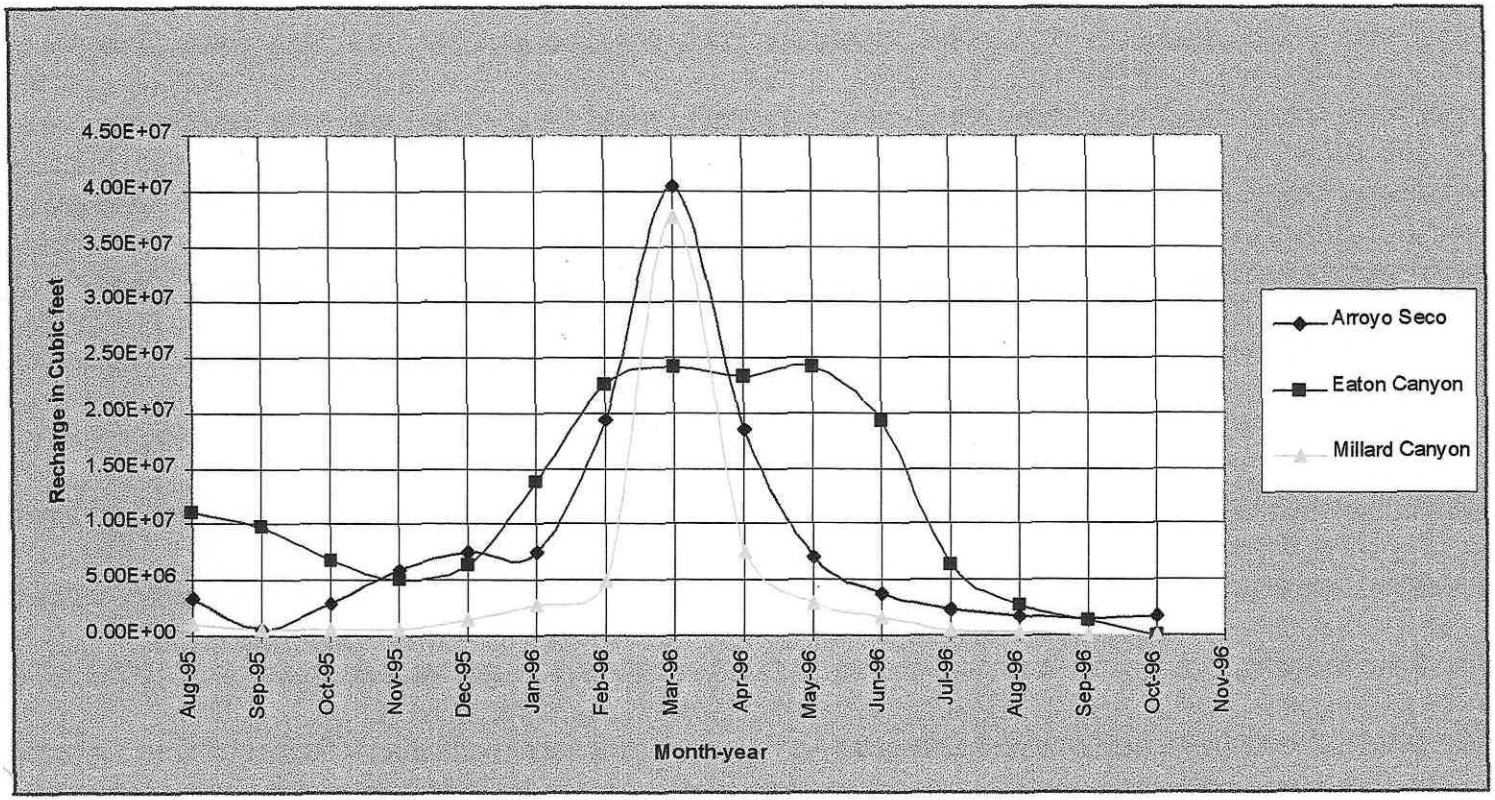



**Figure 3-7**
Recharge Volumes for Nearby Spreading Basins

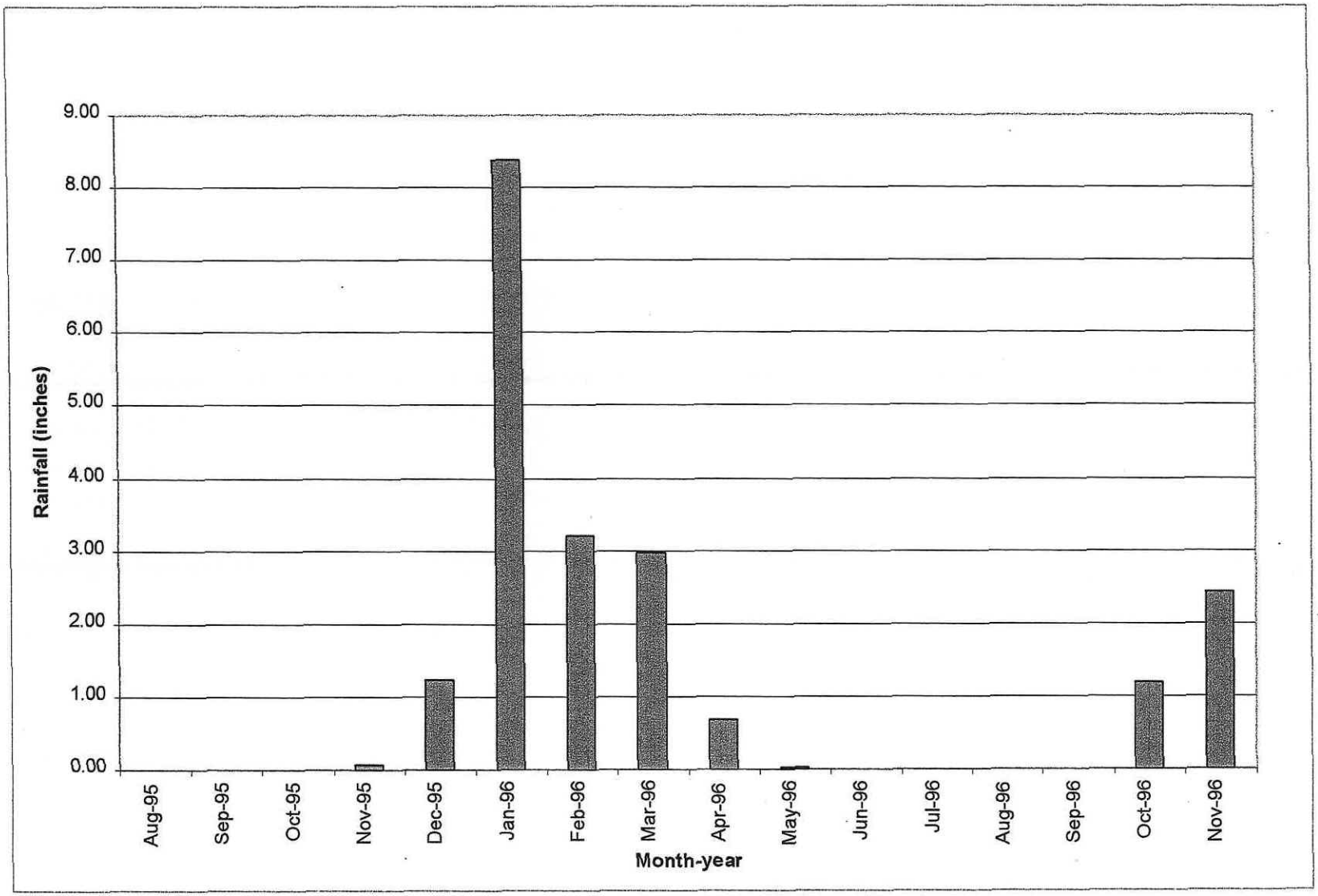



**Figure 3-8**
Precipitation in the City of Pasadena

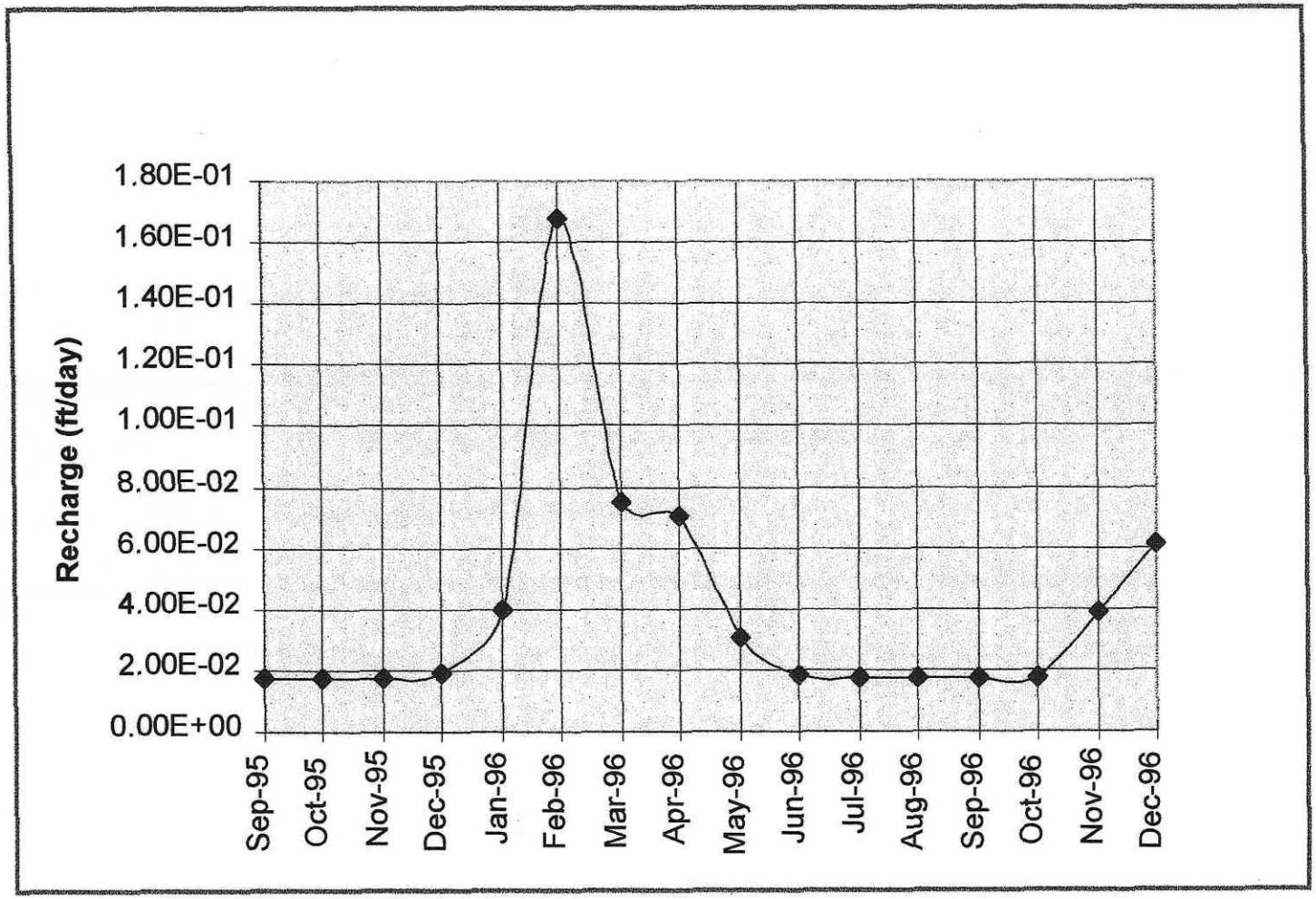



**Figure 3-9**
Recharge Values for Variable Recharge Nodes-
Three-Dimensional Model

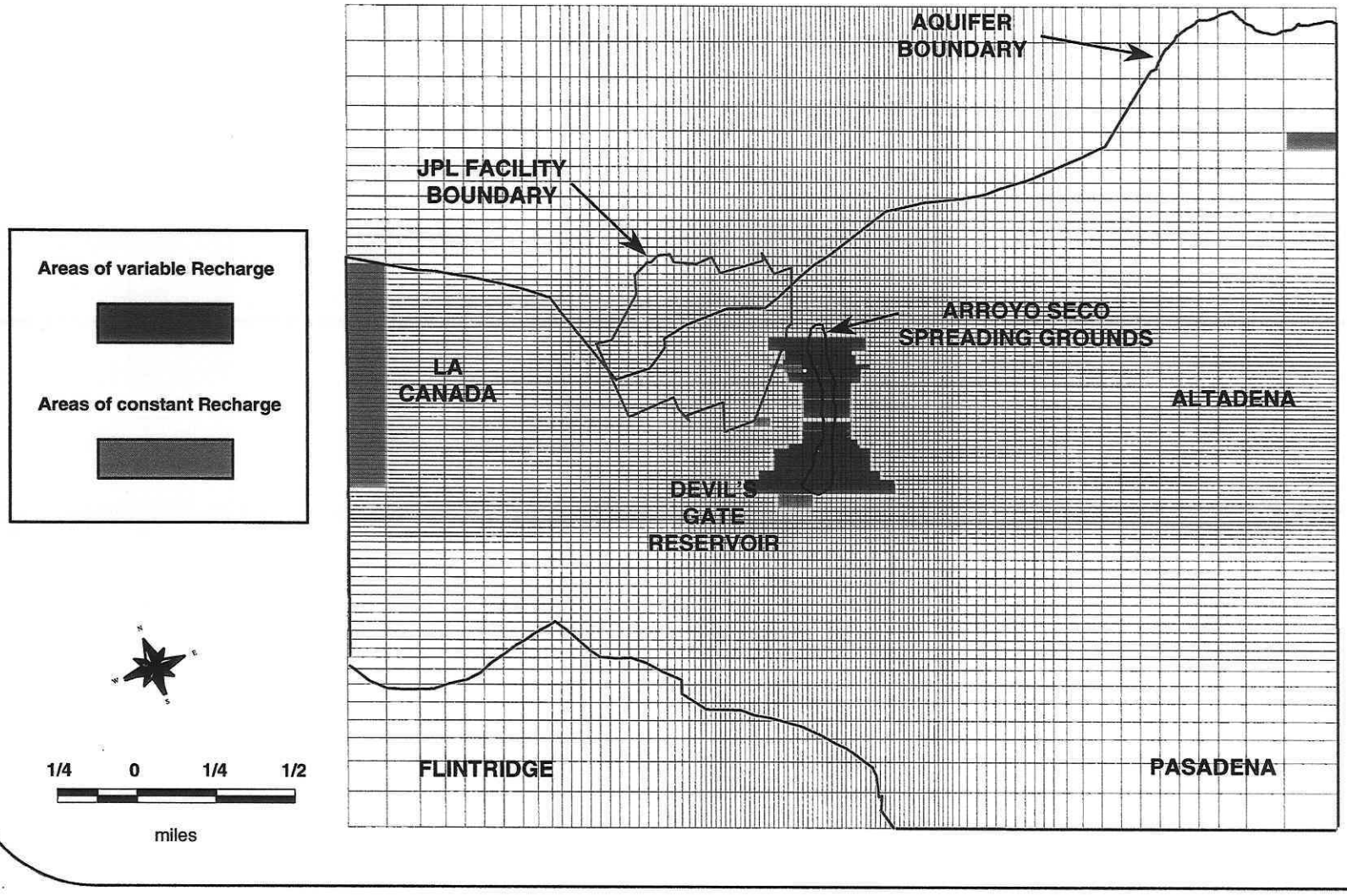



**Figure 3-10**
Recharge Areas in Three-Dimensional Model

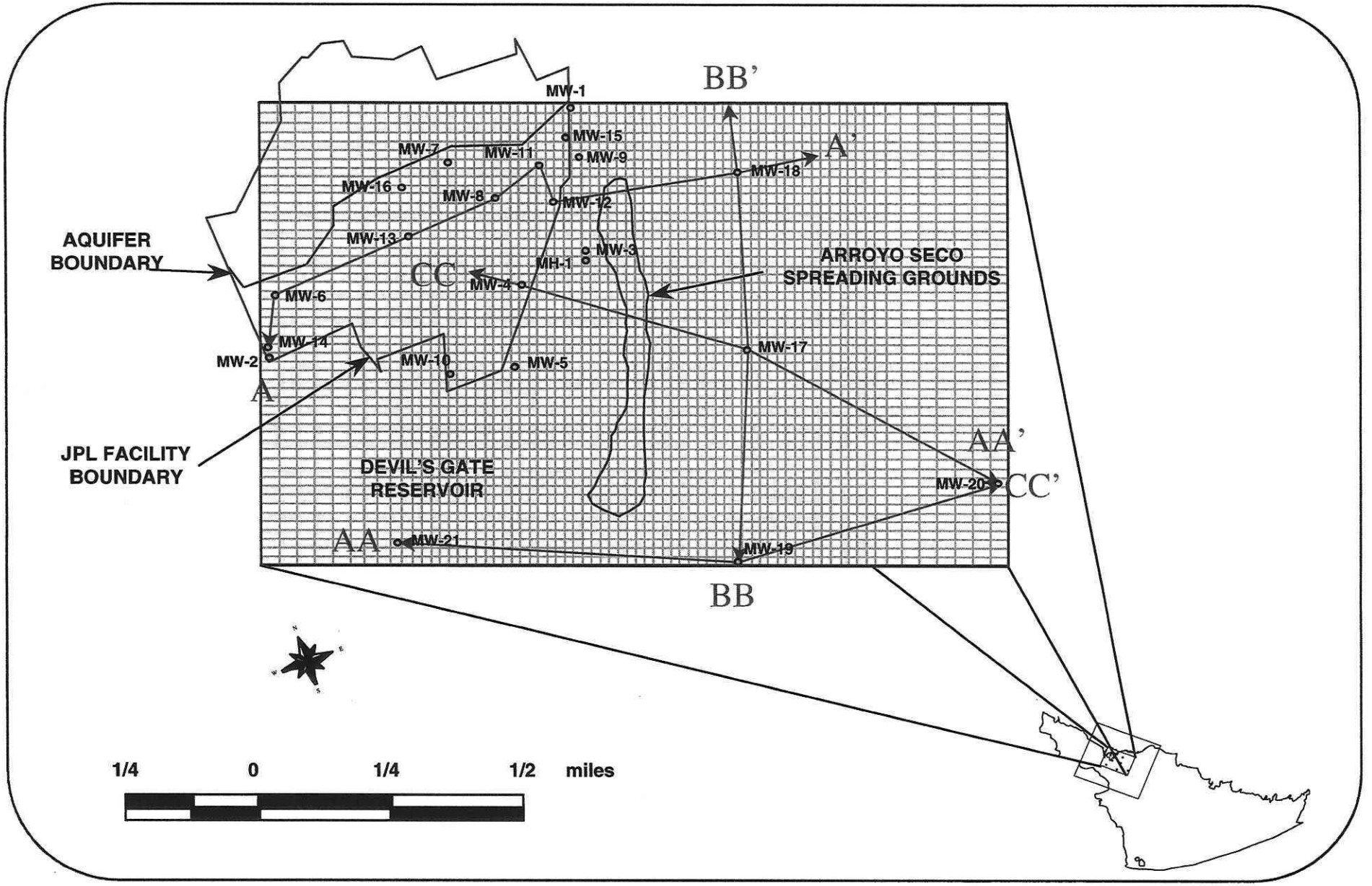



**Figure 4-1**
**Location of Cross Sections in JPL Modeled Area**

W E

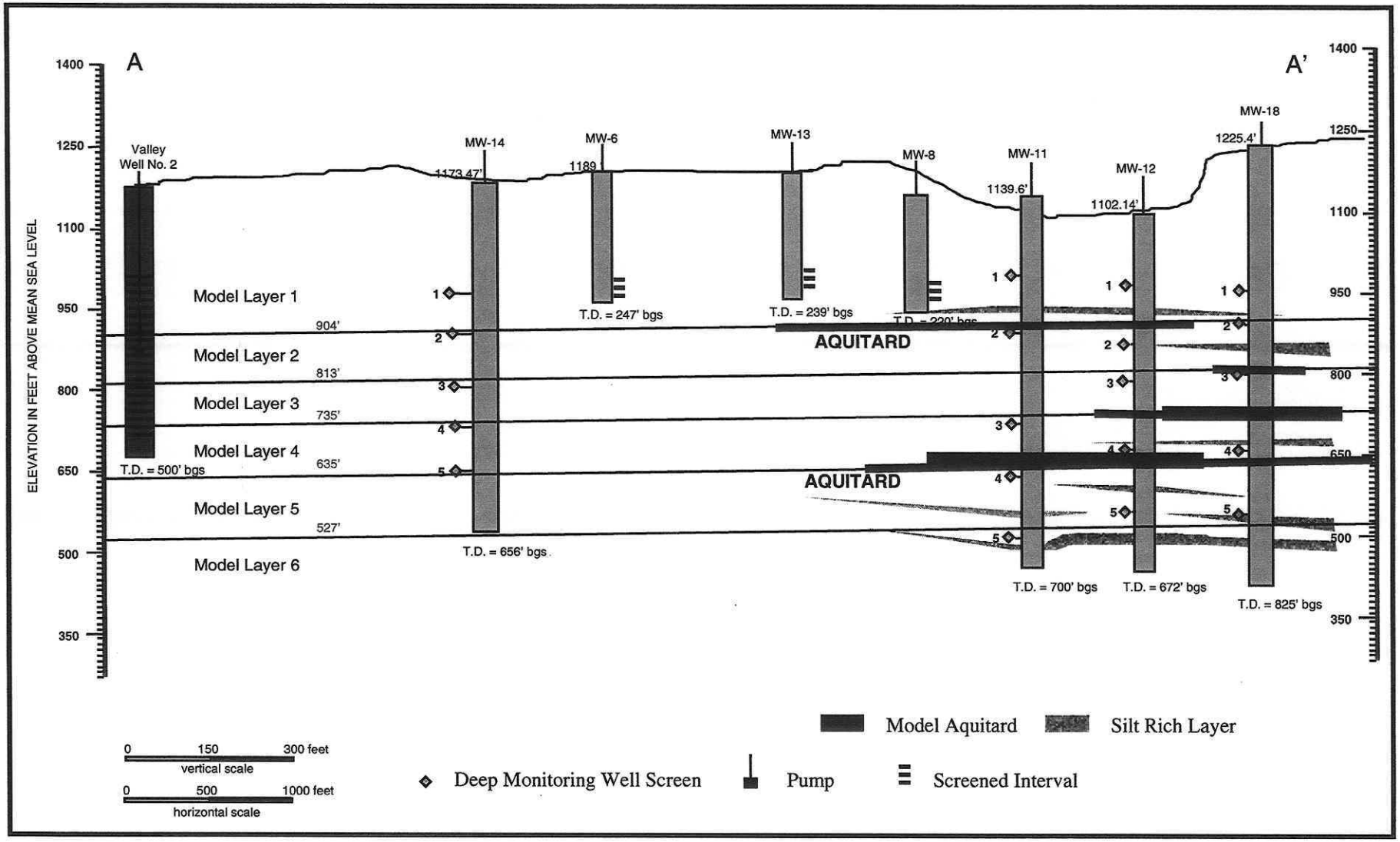



**Figure 4-2a**
Cross Section A-A' (Location Shown in Figure 4-1)

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W E

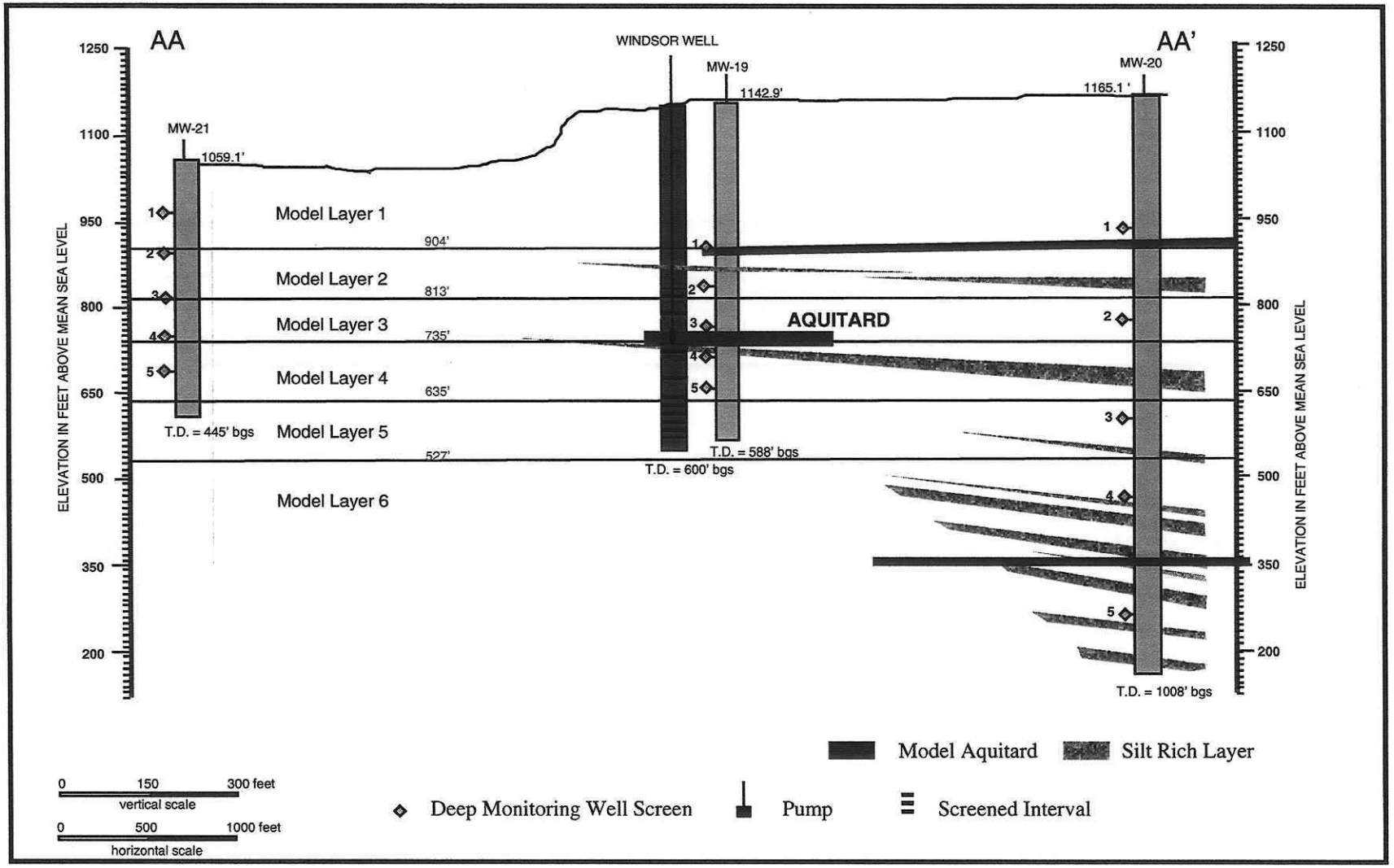


**Figure 4-2b**

Cross Section AA-AA' (Location Shown in Figure 4-1)

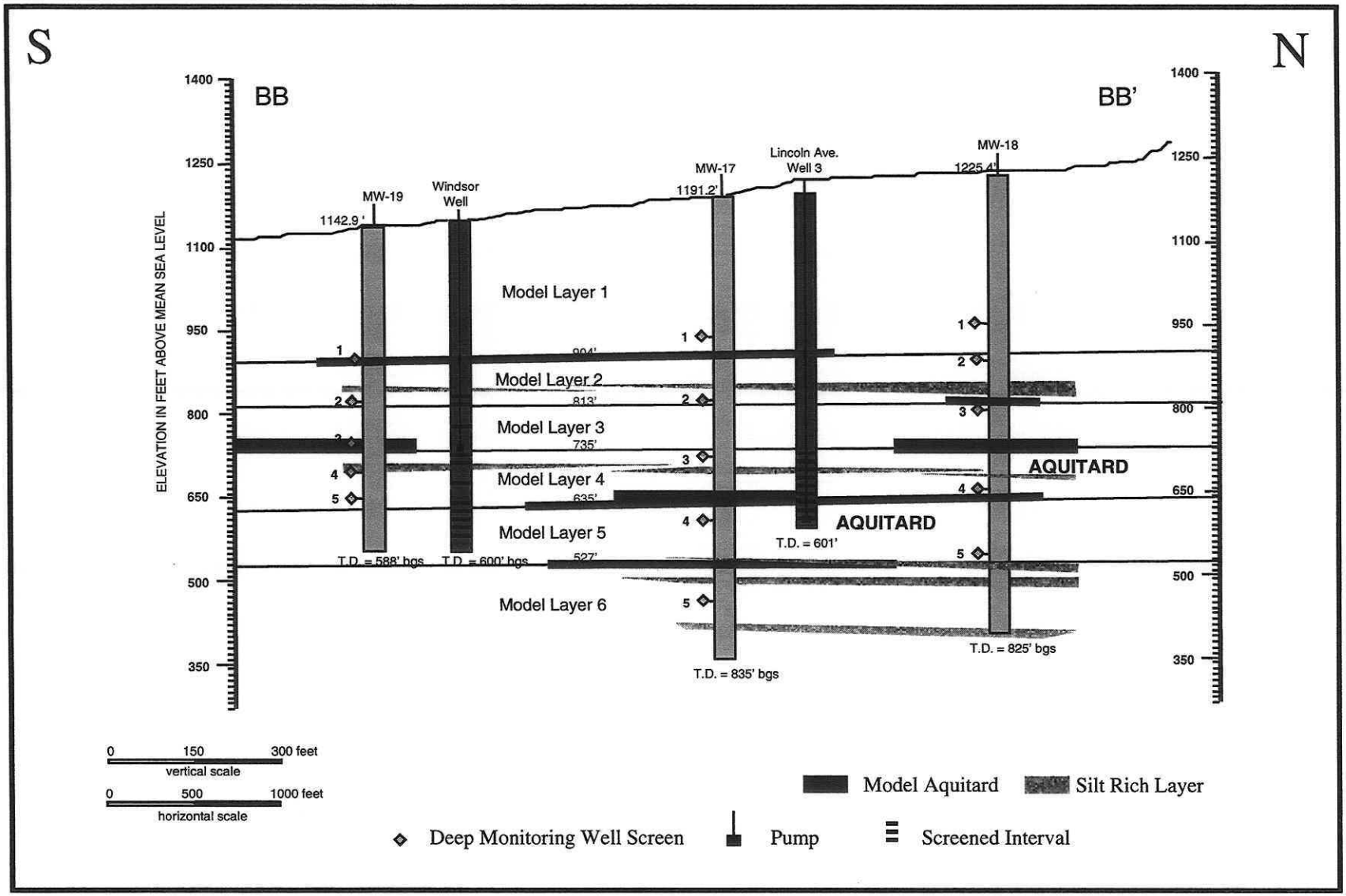


**Figure 4-2c**

Cross Section BB-BB' (Location Shown in Figure 4-1)

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NW SE

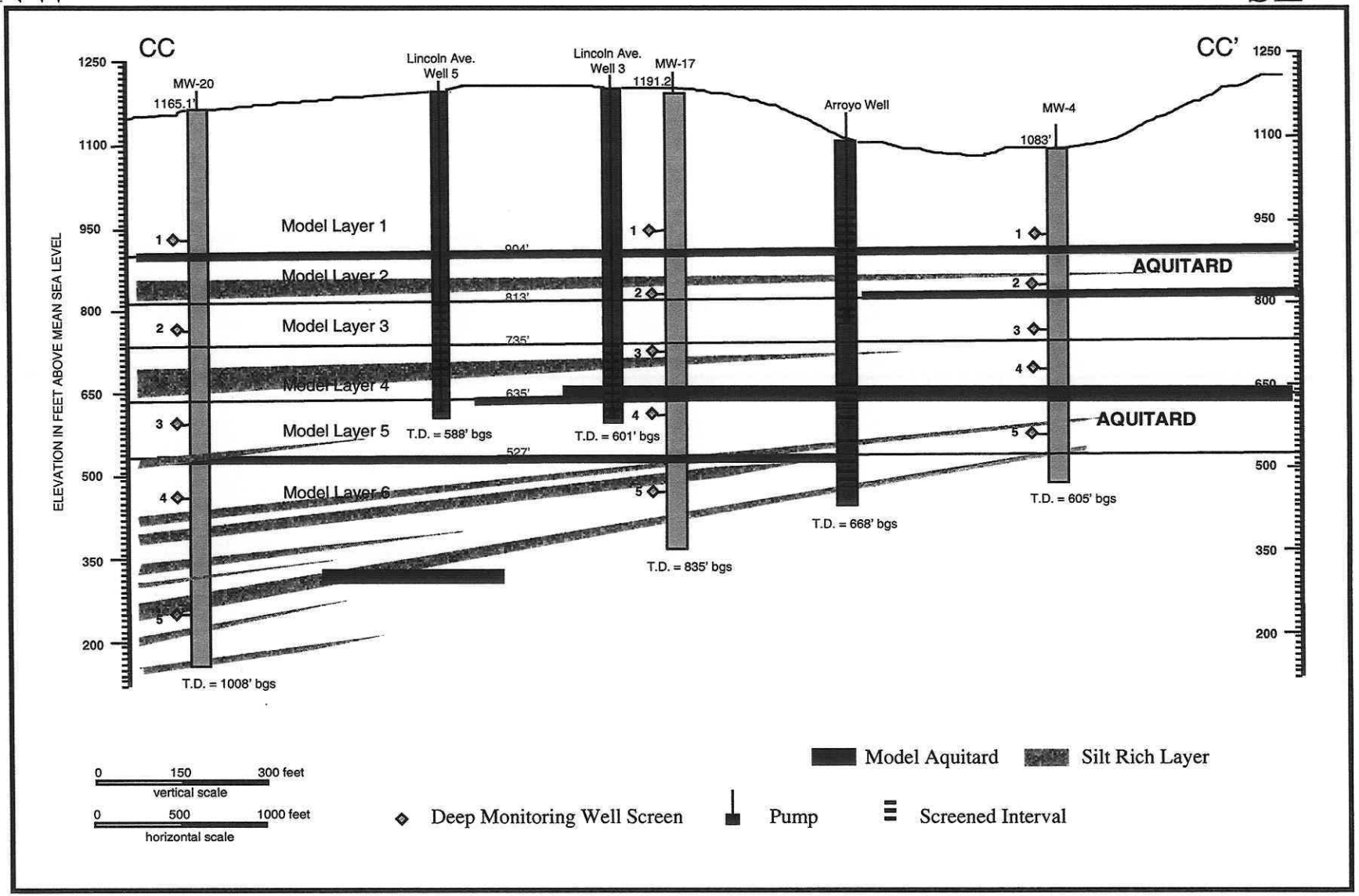


**Figure 4-2d**

Cross Section CC-CC' (Location Shown in Figure 4-1)

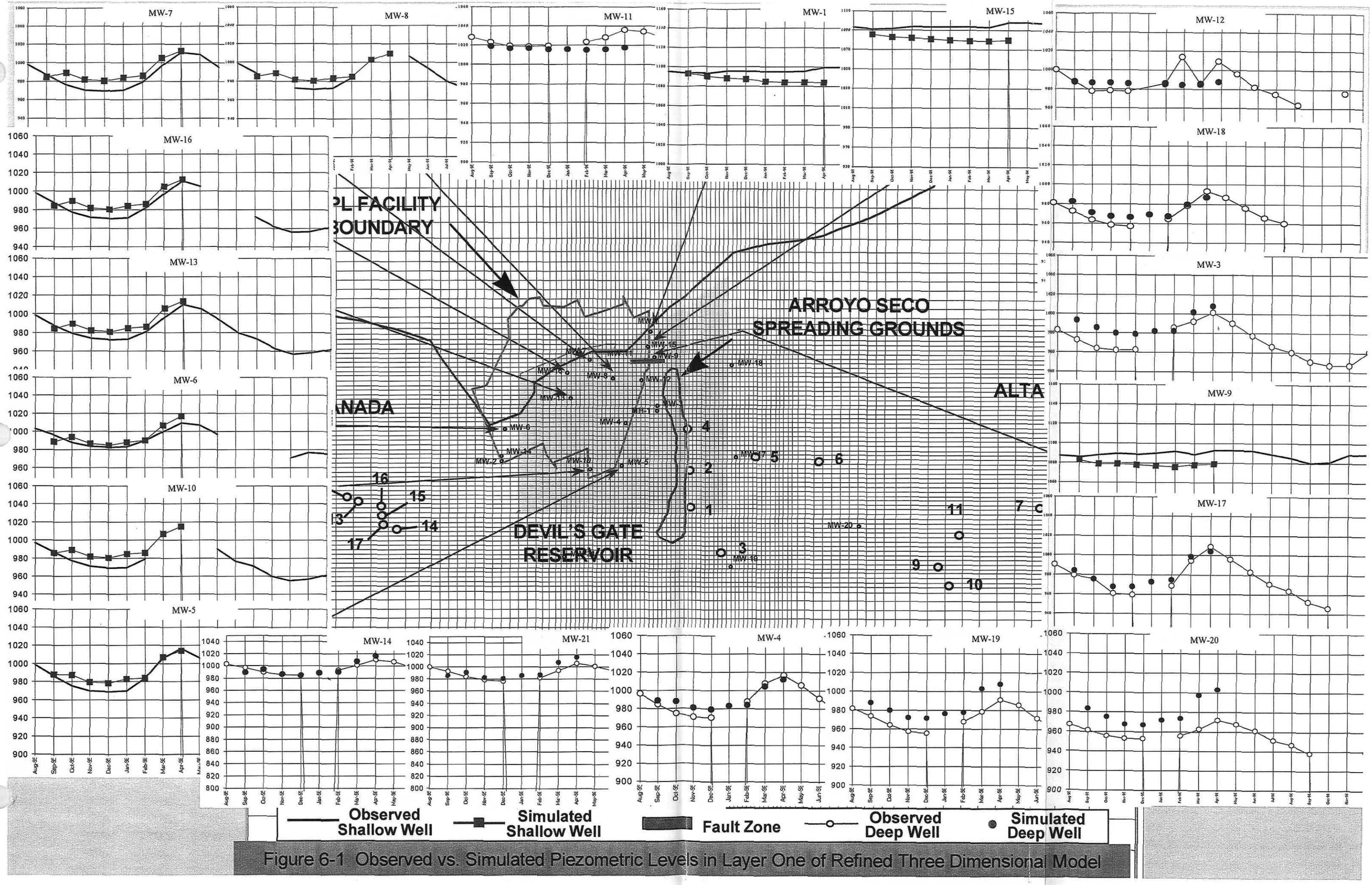


Figure 6-1 Observed vs. Simulated Piezometric Levels in Layer One of Refined Three Dimensional Model

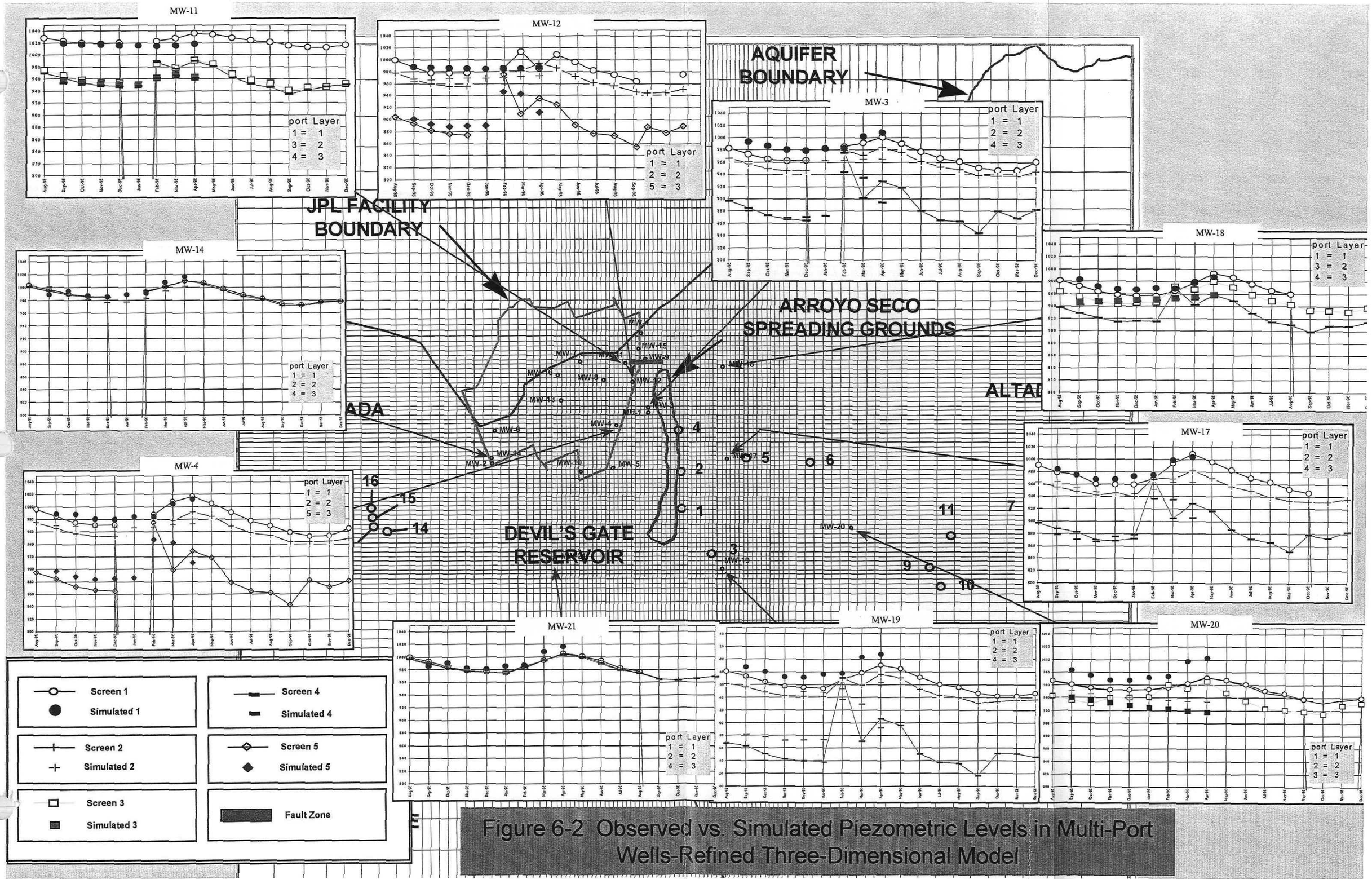


Figure 6-2 Observed vs. Simulated Piezometric Levels in Multi-Port Wells-Refined Three-Dimensional Model

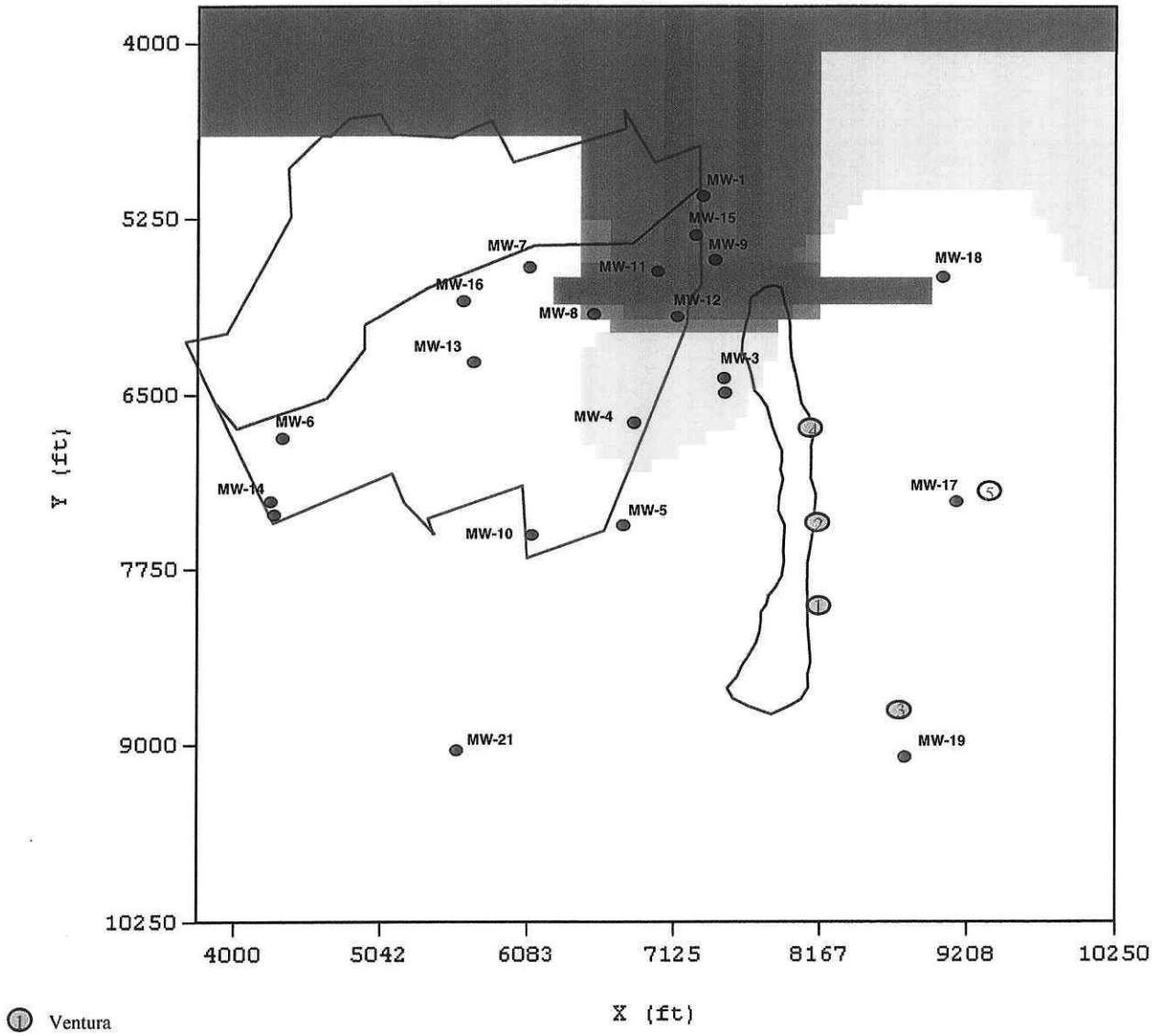


**Figure 6-3a**

Horizontal Hydraulic Conductivity ($K_h$), Model Layer 1, part 1 of 2