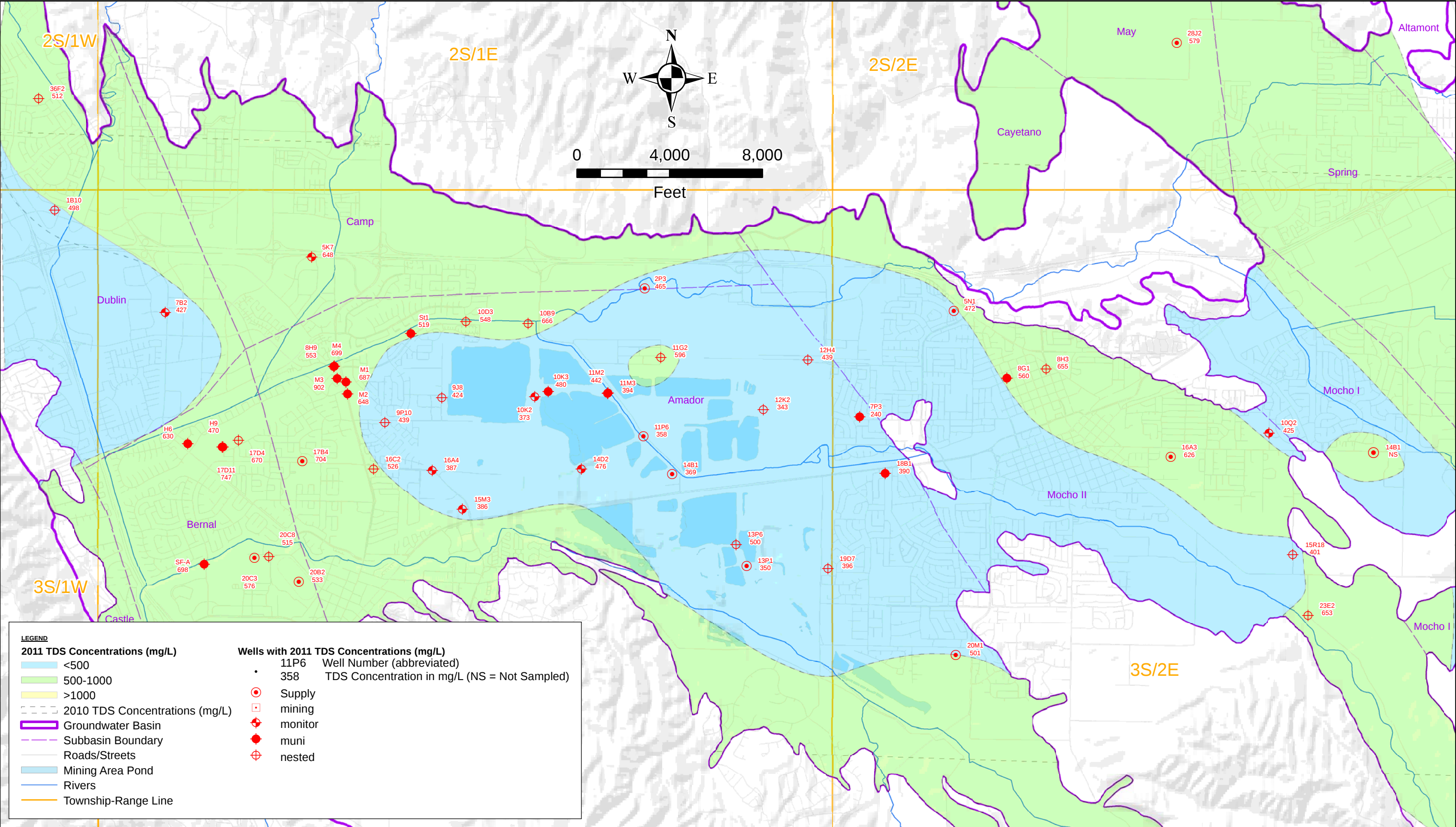
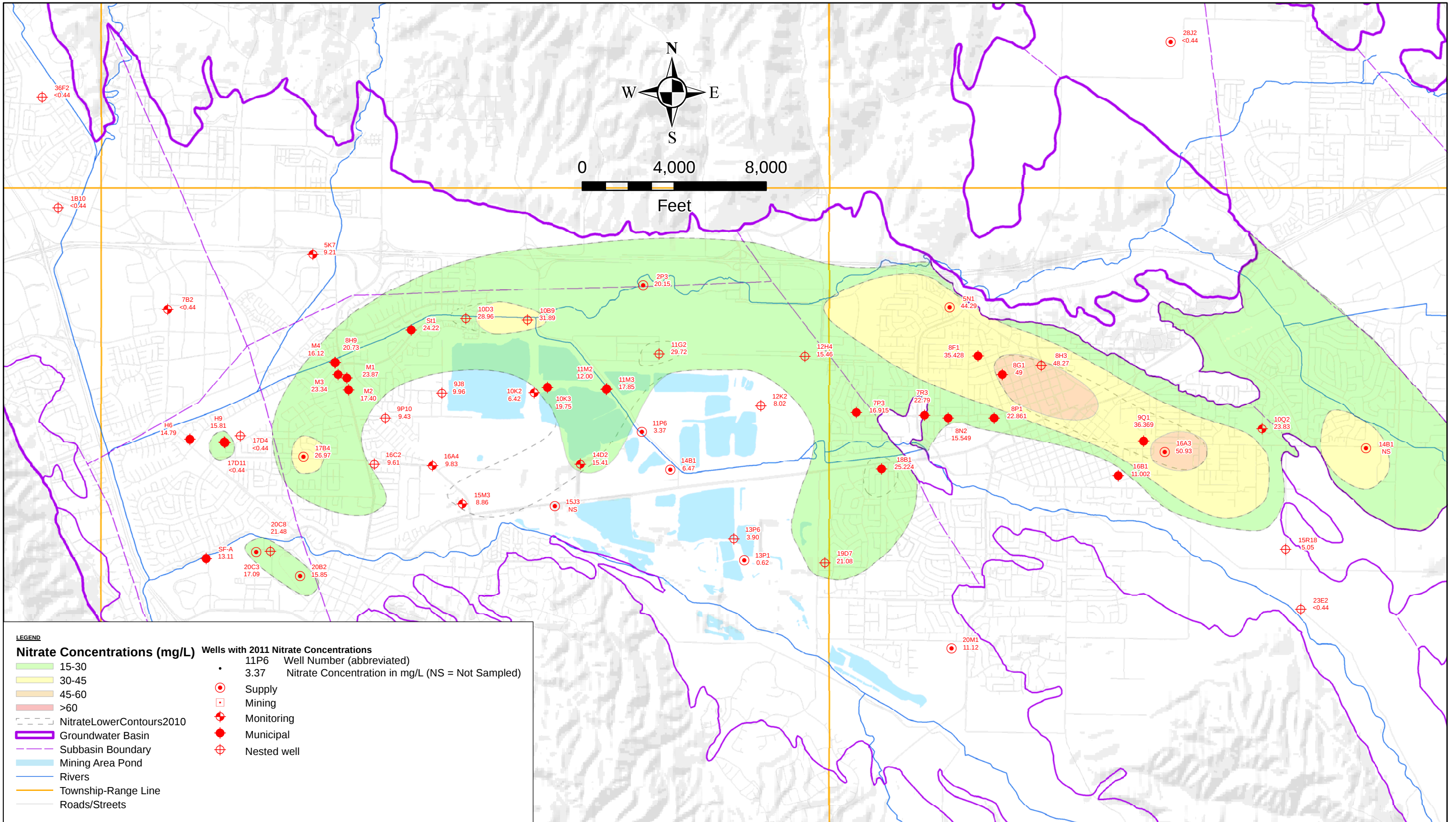






**LEGEND**

**Nitrate Concentrations (mg/L)**

- 15-30
- 30-45
- 45-60
- >60

--- NitrateLowerContours2010

Groundwater Basin

Subbasin Boundary

Mining Area Pond

Rivers

Township-Range Line

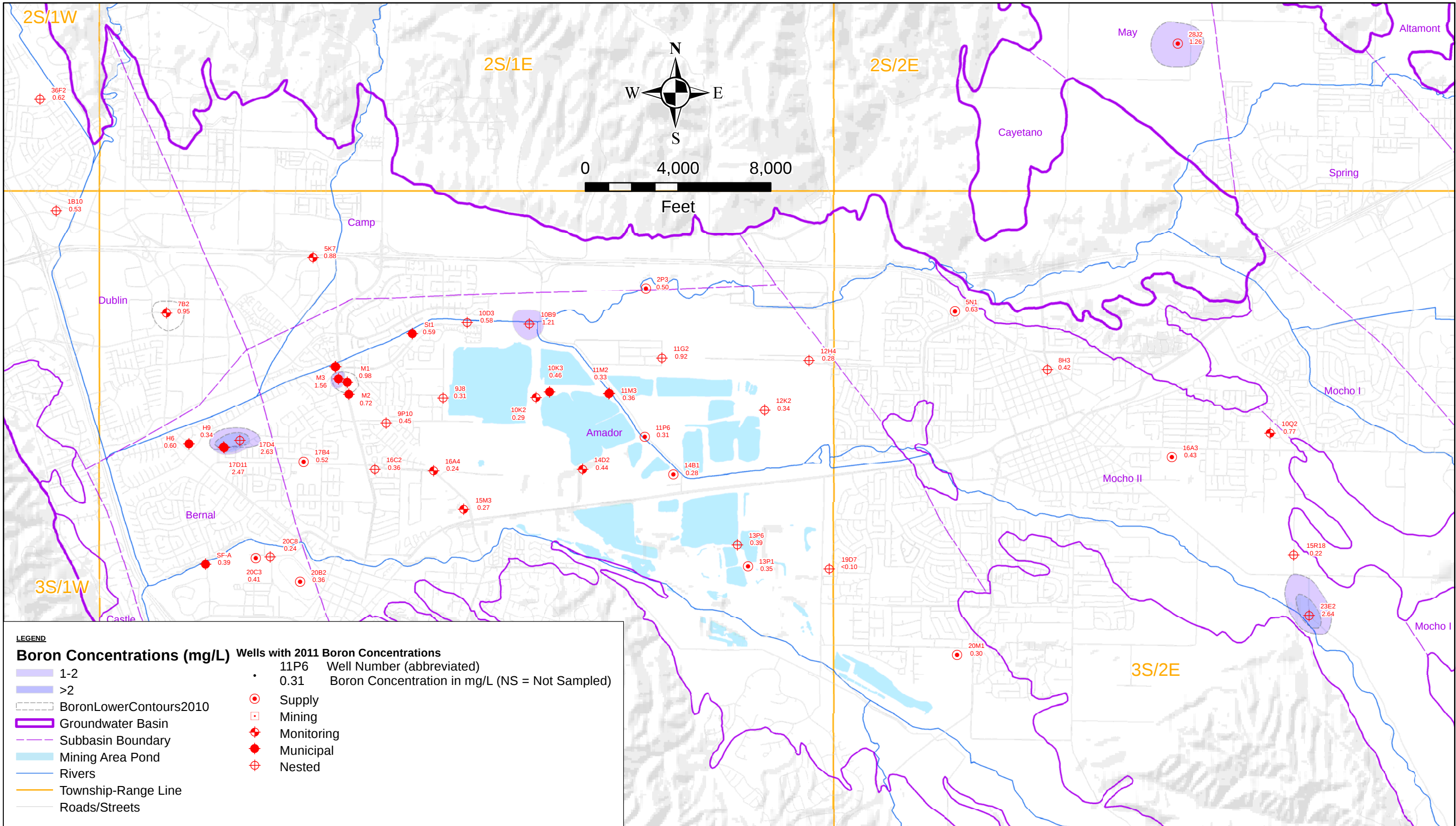
Roads/Streets

**Wells with 2011 Nitrate Concentrations**

• Well Number (abbreviated)

3.37 Nitrate Concentration in mg/L (NS = Not Sampled)

- Supply
- Mining
- Monitoring
- Municipal
- Nested well

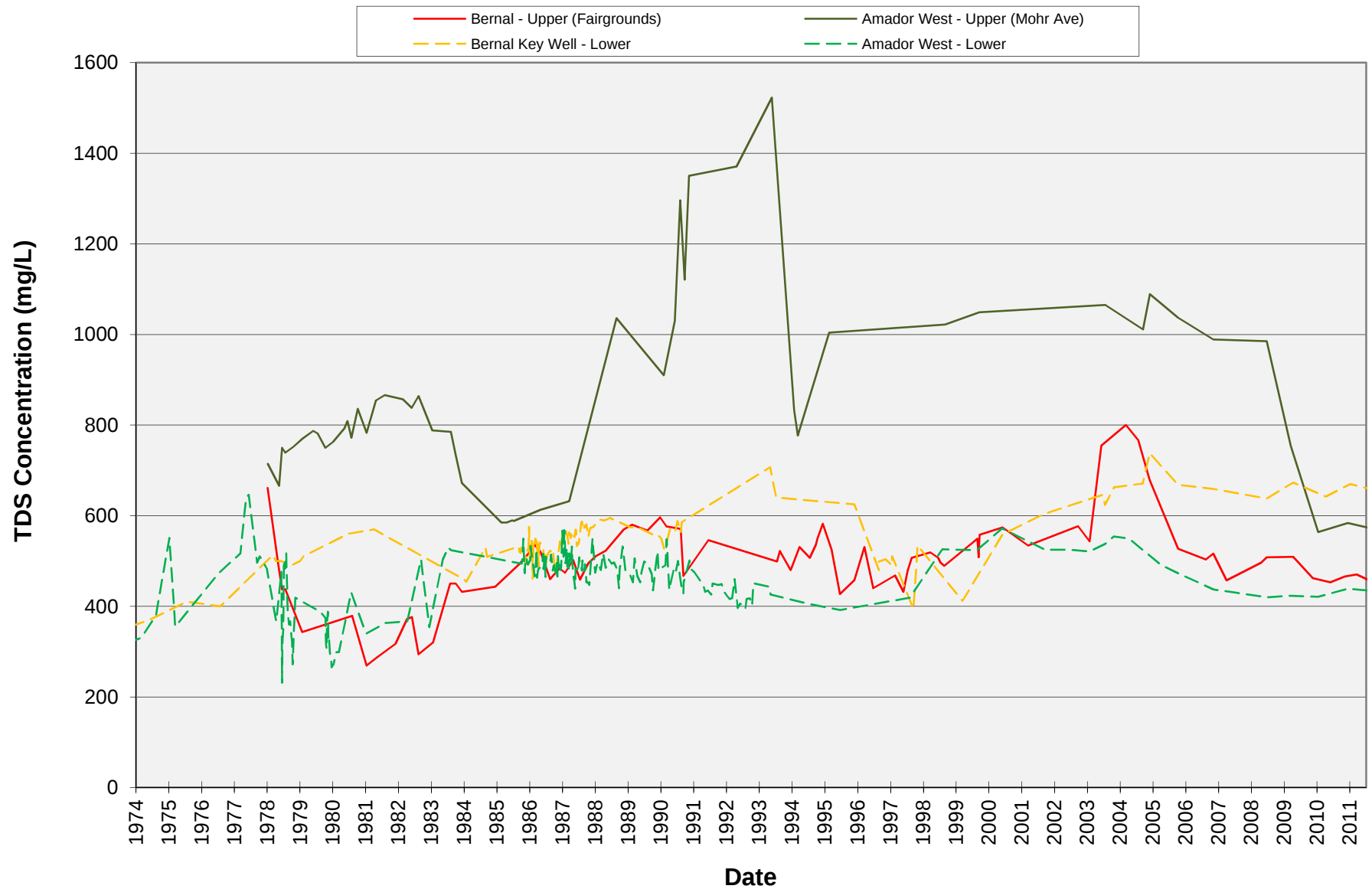


**ZONE 7 WATER AGENCY**  
100 North Canyons Parkway  
Livermore, CA

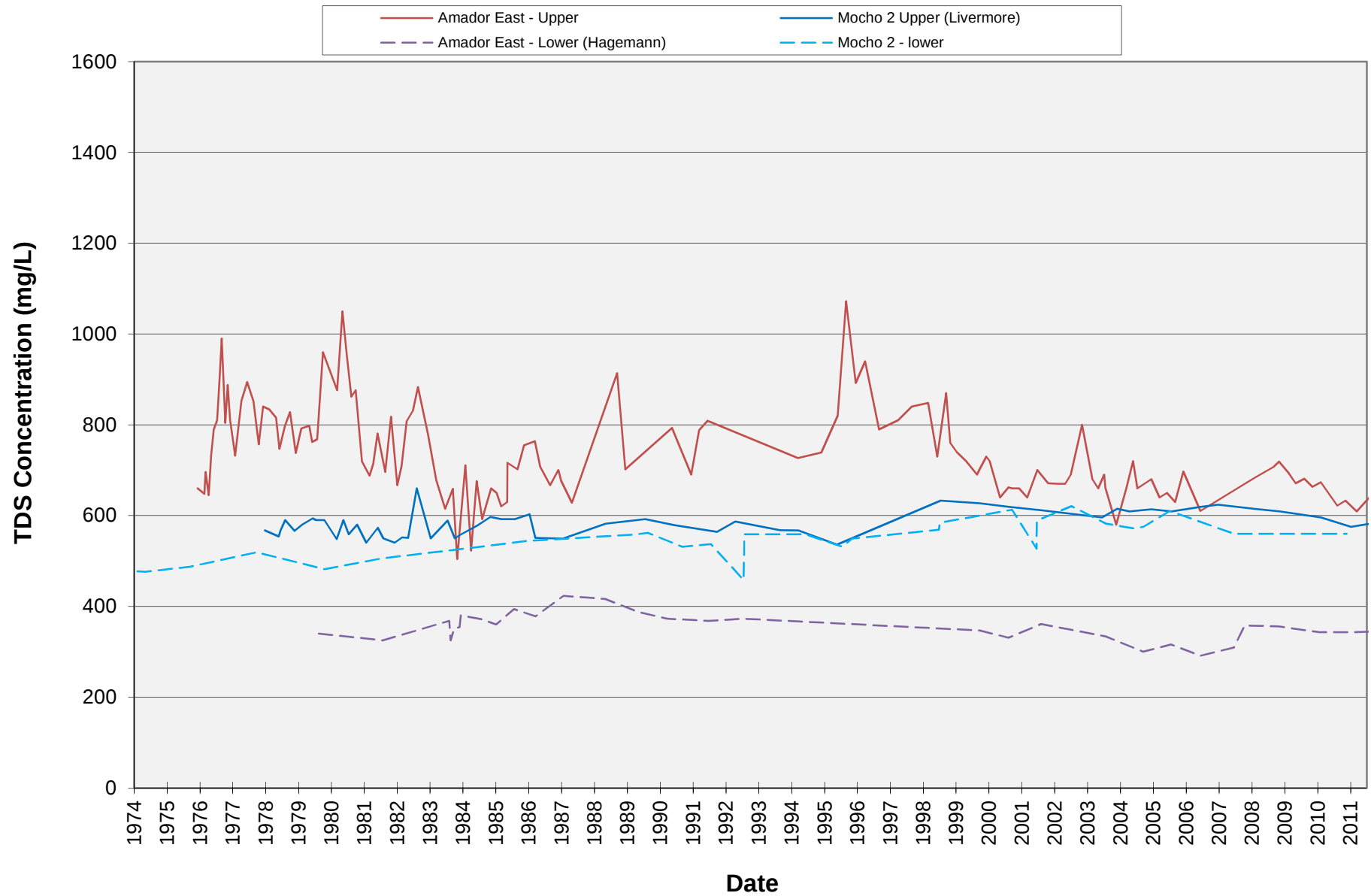
|                                                                        |                        |
|------------------------------------------------------------------------|------------------------|
| DRAWN: TR/CW                                                           | SCALE: 1 in = 4,000 ft |
| REVIEWED: TR                                                           | DATE: May 28, 2011     |
| Path: E:\MONITOR\GM\2011WY\AnnualReport2011\Fig3.2-14-BoronLower11.mxd |                        |

**Figure 3.2-14**  
**Boron Concentrations (mg/L)**  
**Lower Aquifer; 2011 Water Year**  
**Livermore Valley Groundwater Basin**

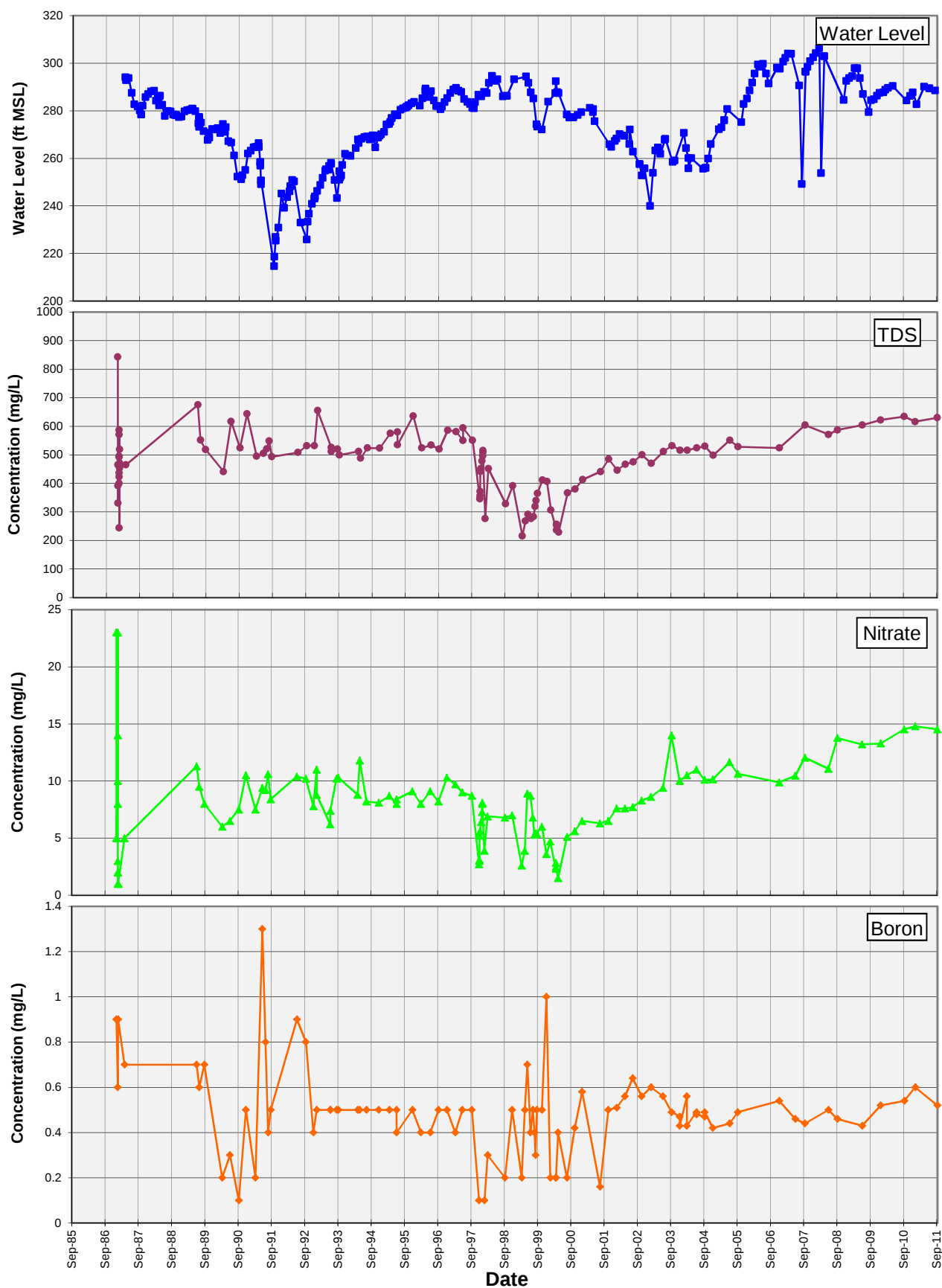
**Figure 3.2-15**  
**Zone 7 Water Agency**  
**Graph of TDS Concentrations in Western Key Wells**



**Figure 3.2-16**  
**Zone 7 Water Agency**  
**Graph of TDS Concentrations in Eastern Key Wells**



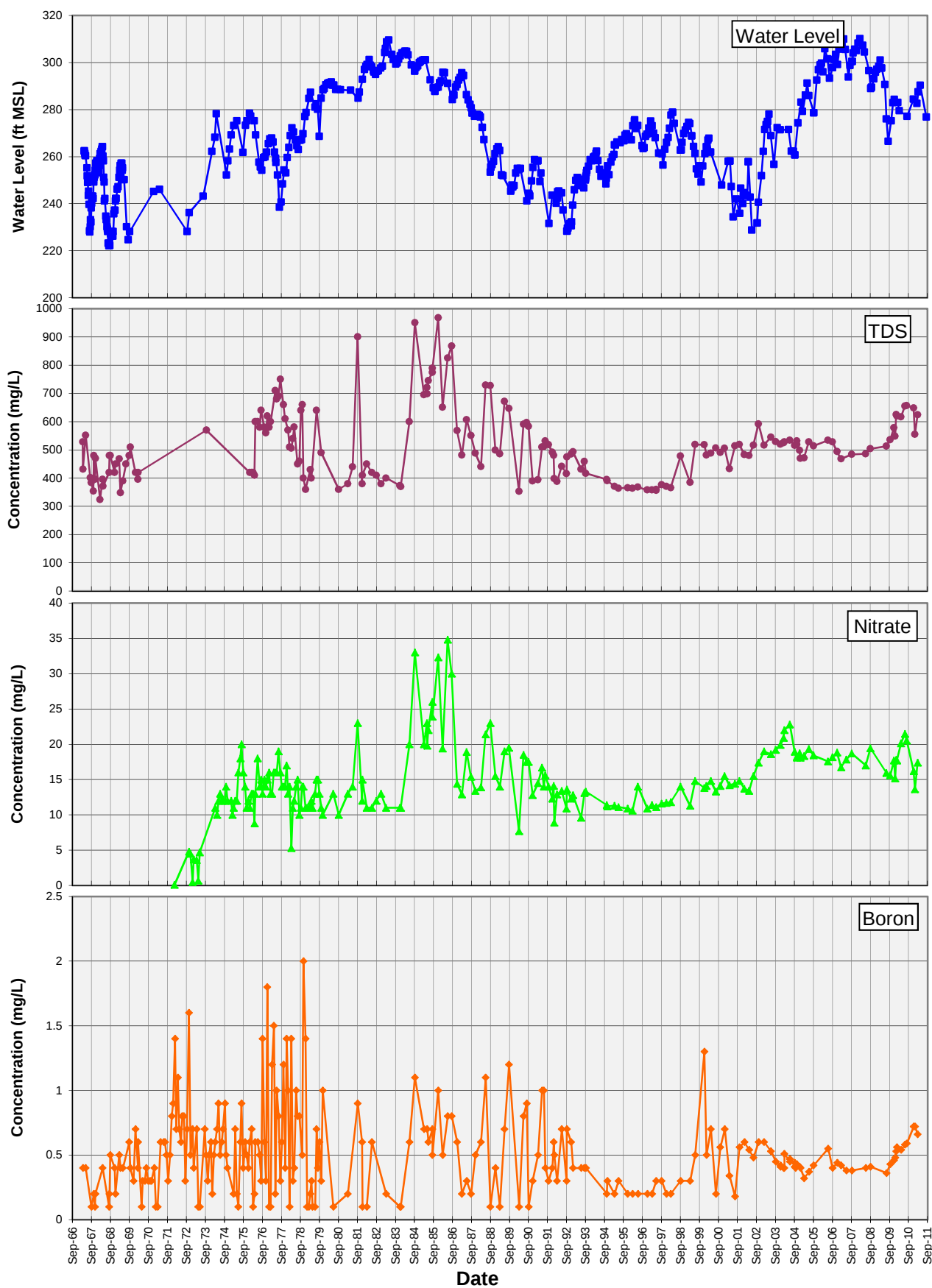
**Figure 3.2-17**  
**Hydro-Chemo Graph for 3S/1E 18A 6 (Hopyard 6)**  
**Bernal Subbasin - Lower Aquifer**



Well Depth = 273'; Wellhead Elevation = 466'; Well Screen Depth: 122 to 263' bgs.  
 E:\MONITOR\GM\2011WY\AnnualReport2011\Fig3.2-17to20-HydroChemoGraphs.xls\18A6Graph

Figure 3.2-17

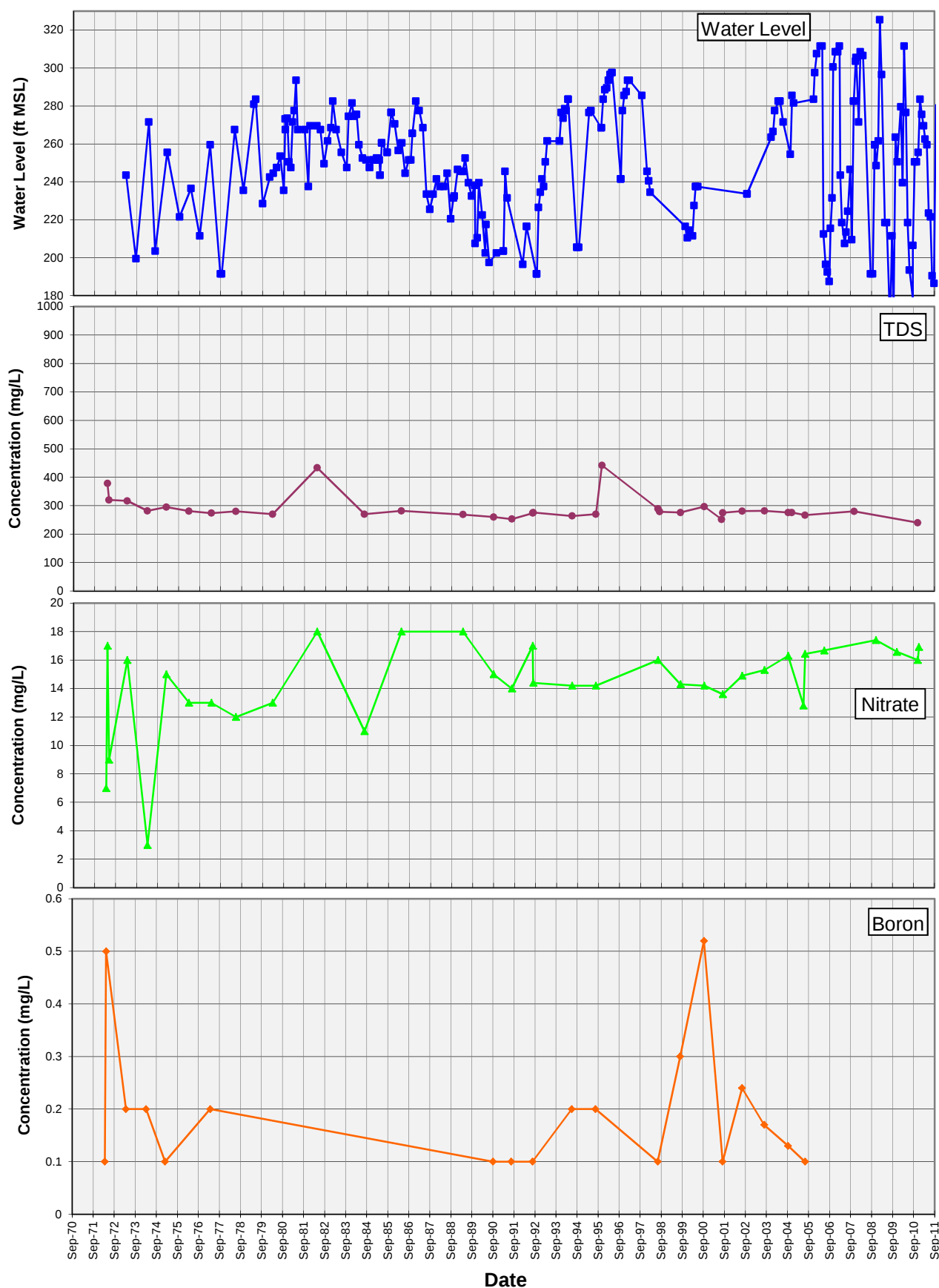
**Figure 3.2-18**  
**Hydro-Chemo Graph for 3S/1E 9M 3 (Mocho 2)**  
**Amador West Subbasin - Lower Aquifer**



Well Depth = 575'; Wellhead Elevation = 344'; Well Screen Depth: 250 to 570' bgs.  
 E:\MONITOR\GM\2011WY\AnnualReport2011\Fig3.2-17to20-HydroChemoGraphs.xls\9M3Graph

Figure 3.2-18

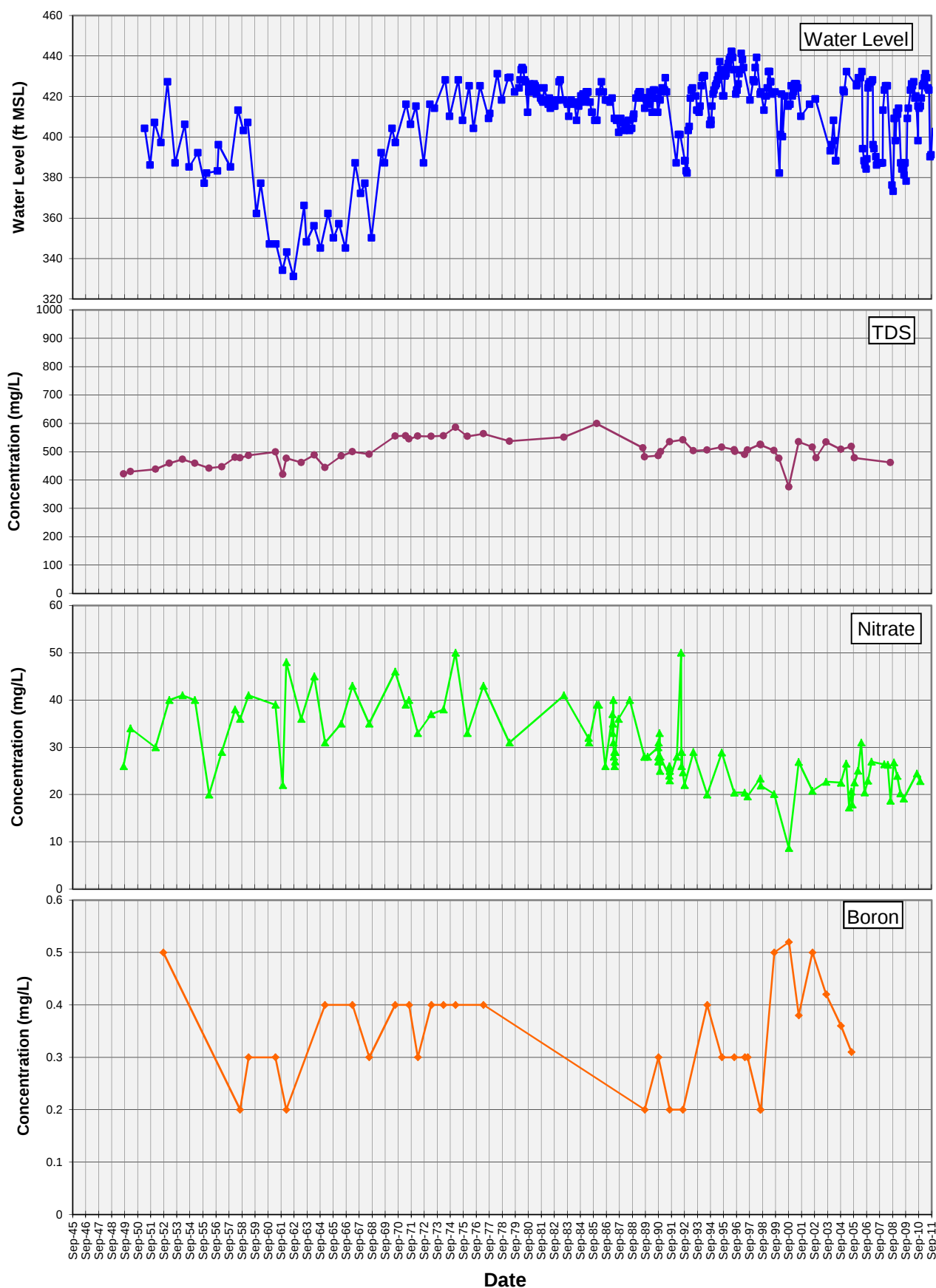
**Figure 3.2-19**  
**Hydro-Chemo Graph for 3S/2E 7P 3**  
**Amador East Subbasin - Lower Aquifer**



Well Depth = 510'; Wellhead Elevation = 429'; Well Screen Depth: 300 to 490' bgs.  
 E:\MONITOR\GM\2011WY\AnnualReport2011\Fig3.2-17to20-HydroChemoGraphs.xls\7P3Graph

Figure 3.2-19

**Figure 3.2-20**  
**Hydro-Chemo Graph for 3S/2E 8P 1**  
**Mocho II Subbasin - Lower Aquifer**



Well Depth = 273'; Wellhead Elevation = 466'; Well Screen Depth: 122 to 263' bgs.  
 E:\MONITOR\GM\2011WY\AnnualReport2011\Fig3.2-17to20-HydroChemoGraphs.xls\8P1Graph

Figure 3.2-20

Figure 3.2-21  
Mocho Wellfield Municipal Wells  
Groundwater Concentrations, Elevations, and Pumping

