



Figure 3.7-1. Regression of Specific Conductance and Total Dissolved Solids, Diamond Valley Regional Flow System (62 springs)



Figure 3.7-2. Kobeh Valley Spring and Groundwater Chemistry



- ----- Non-Thermal Great Basin Meteoric Water Line
- Alluvial Wells (Well Field Area)

Klobe Hot Springs (Antelope Valley)

Figure 3.7-3. Stable isotopes of Oxygen (O¹⁸) and Deuterium (D) from Samples Obtained from Kobeh Valley

- ▲ Lowland Wells/Spring
- O Upland Springs
- △ Klobe Hot Springs Area



Antelope Valley Spring and Groundwater Chemistry

Figure 3.7-4. Antelope Valley Spring and Groundwater Chemistry (arrows indicate possible mixing path)



Figure 3.7-5. Diamond Valley Spring and Groundwater Chemistry



Figure 3.7-6. Stable Isotopes of Oxygen (O¹⁸) and Deuterium (D) from Spring Samples Obtained from Diamond Valley



Figure 3.7-7. Stable Isotopes of Oxygen (O¹⁸) and Deuterium (D) from Springs and Piezometer Samples Obtained from Mt. Hope Area



Figure 3.7-8. Pine Valley Spring and Groundwater Chemistry



Figure 3.7-9. Stable Isotopes of Oxygen (O¹⁸) and Deuterium (D) from Spring Samples Obtained from Pine Valley



Figure 3.7-10. Stable Isotopes of Oxygen (O¹⁸) and Deuterium (D) from Spring Samples, Organized by Mountain Range (stream data are omitted)



Date: 04/21/10, Filename: Z:\MountHope_GIS_Project\Model_Description\ArcMap\RegionalFlowModelGridExtent.mxd UTM NAD83, Zone 11



Date: 04/17/2010, Filename: interflow on 'GIS-sat'(Z:)\MountHope_GIS_Project\Model_Description\ArcMap\GrldDetall.mxd



Date: 06/28/10, Filename: Z:MountHope_GIS_Project/RevisedFigures_June2010/Drewdown_Rev.mxd_UTM NAD83, Zone 11



Figure 3.5-3. Comparison of Thompson Ranch Spring (also known as Taft Spring) and of Shipley Spring Discharge to Precipitation at Eureka





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NDWR Reported Crop Consumptive Use, Diamond Valley

NDWR Reported Crop Consumptive Use, Kobeh Valley

Interpolated Crop Consumptive Use, Diamond Valley (3 feetper acre)

Interpolated Crop Consumptive Use, Kobeh Valley (3 feet per acre)

---- Adjusted Crop Consumptive Use, Diamond Valley (2.5 feet per acre)

---- Adjusted Crop Consumptive Use, Kobeh Valley (2.5 feet per acre)

<u>NOTE</u>: Reported agricultural pumping data are from USGS reports or NDWR crop surveys. Estimated total is an interpolation and accounts for some mathematical errors in the NDWR crop surveys.

Figure 3.5-1. Reported and Estimated Groundwater Consumptive Use, Diamond and Kobeh Valleys, 1950-2007