

8.0 FUTURE EFFORTS

In a continuing effort to update and enhance estimates related to groundwater conditions and develop sustainable groundwater management strategies, EPWU is working on the following:

- Continue data collection efforts. Critical data for managing the Hueco include groundwater level readings (taken on an annual basis), groundwater quality sampling in existing wells (taken on an annual basis), and groundwater pumping data from each well (taken on a monthly basis).
- Continue to incorporate data from test holes and well construction into the various databases maintained by EPWU. The recent drilling activities of EPWU have contributed a wealth of data from discrete zone water quality sampling, and will continue into the future as new wells are constructed.
- Continue participation in a National Science Foundation funded investigation being conducted by California State University, Los Angeles, University of Arizona, and Universidad Autonoma Ciudad Juarez. This investigation includes sampling and analysis of stable isotopes of Hueco groundwater, and developing an updated hydrostratigraphy of the Hueco Bolson.
- Develop a solute transport (groundwater quality) model to better simulate the groundwater quality changes associated with the JDF. This model will use the USGS flow model (or an enhanced version of the USGS flow model) as its hydraulic foundation.