

SB 62 PROJECT REPORT
March 2008

Project	Grant Amount	Project Summary
Humboldt River Basin Water Authority	\$120,000.00	<p>Assemble existing information into a water resources database in support of threats to water rights. Develop recommendations for collection of additional necessary data. Develop a public information program. Deliver a summary report for each county describing available forecast of economic/demographic conditions and related water.</p> <p>Progress Report, August 2007: The Authority submitted a report entitled “Forecasting Water Demand in the Humboldt River Basin: Capabilities and Constraints.” This report is on file with NDEP. Staff is awaiting receipt of access to the water resources database.</p>
Esmeralda County	\$16,245.85	<p>The project was planned to conduct a physical reconnaissance of the County’s present water uses and existing water rights and develop a strategy to enhance and protect the County’s water rights to ensure present and future water demands can be met as well as preparing a Water Rights Management Plan. All water rights identified in four hydrographic basins were reviewed. A field reconnaissance trip was conducted with the State Engineers office to physically site in the locations for the point of diversion for water rights and ascertain the manner by which the appropriated water is being exercised.</p> <p>Progress Report, June 2007: The Esmeralda County Water Rights Plan is complete and available electronically on NDEP’s website at http://ndep.nv.gov/bffwp/esmeralda%20county_sb62.htm (contact: Michelle Stamates at 775.687.9331 or mstamate@ndep.nv.gov).</p>
Town of Tonopah	\$11,250.00	<p>Assemble all active surface and groundwater rights for Ralston Valley Hydrographic Basin No. 141, Big Smokey – Tonopah Flat Hydrographic Basin No. 137, and Alkali Spring Valley Hydrographic Basin No. 142.</p> <p>Progress Report, Dec 2007: The water rights inventory is now complete. Staff is awaiting the final map. This information will then be made available on NDEP’s website.</p>
Churchill County	\$36,500.00	<p>Update of the County’s Water Resources Plan for surface and groundwater resources. Review of all county records relating to water resource requirements, both existing and projected. Update of the water resource ownership in the County.</p> <p>Progress Report, June 2007: The Churchill County Water Resources Plan update is complete and available on the County’s website at http://www.churchillcounty.org/planning/waterplan.php and is linked to NDEP’s website at http://ndep.nv.gov/bffwp/sb62.htm (contact: Michelle Stamates at 775.687.9331 or mstamate@ndep.nv.gov).</p>
Eureka County	\$120,000.00	<p>Compile and develop a database of existing water-level data and supporting hydrologic information as the basis for developing a baseline of water-level measurements for Nevada’s Central Hydrographic Region. Create maps showing a spatial distribution of existing water level data.</p> <p>Progress Report, Jan 2008: Awaiting final deliverables prior to making final payment. It appears that the project scope has changed and staff is working with the County to review the changes and set new target dates.</p>

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Gerlach	\$92,833.42	<p>A database of spring flow and quality and a groundwater model will be developed to determine any changes that might result from the proposed development in the basin that might adversely affects the two springs (Garden and Railroad Springs) that provide water to Gerlach.</p> <p>Progress Report, December 2007: Data loggers & flow meters were installed at both springs; Monitoring of water level and discharge rate from the springs is currently in progress and will be used in calibration of the groundwater model. Problems with the data collection have slowed the progress on this project.</p>
LVVWD – Kyle Canyon	\$27,184.72	<p>Install 100 Permalog units for the detection of subsurface leaks and acquisition of a Patroller unit for data collection. This system will allow operators to find and repair leaks, protecting millions of gallons of water previously lost to the system.</p> <p>Progress Report, January 2008: The leak detection units have been installed. Final project reports are being prepared to close out this project.</p>
City of Fernley	\$38,680.59	<p>Reconcile all past and future mapping difficulties by attempting to develop a new GIS map of all Truckee Diversion surface water rights within the City of Fernley.</p> <p>Progress Report, June 2007: Data on all deeds relating to water rights transfers to the City of Fernley have been obtained and included in a database. Initial mapping of both sections 10 and 13 are in progress.</p>
Virgin Valley Water District	\$116,041.77	<p>Analyze water quality information from throughout the watershed region to develop a conceptual model of groundwater flow, mixing and hydrologic connection through naturally occurring chemical tracers, and develop a steady-state representation of the predevelopment conditions of the regional groundwater flow systems utilizing modifications of previous models to develop a comprehensive numerical model.</p> <p>Progress Report, March 2008: the District submitted documents for review by staff along with a final pay request. Review is currently in progress.</p>
White Pine County	\$116,041.77	<p>Update information (including: hydrogeologic framework, groundwater hydrology, and regional groundwater flow system) on County’s water resources and update the Water Resources Plan to assist in identifying potential water use and needs based on scenarios for growth and development.</p> <p>Progress Report, January 2008: White Pine County’s Water Resources Plan is complete and available at the NDEP offices in Carson City. This document will also be made available electronically on NDEP’s website (contact: Michelle Stamates at 775.687.9331 or mstamate@ndep.nv.gov). The County is adding GIS capability in order to maintain and update information as it becomes available.</p>

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LVVWD – Searchlight	\$150,000.00	<p>Drill and develop 4 new monitoring wells to better understand the groundwater resource and groundwater quality in Paiute Valley and the Eldorado Valley Basins. One of the 4 wells will be funded by this grant.</p> <p>Progress Report, Dec 2007: LVVWD evaluated monitoring well locations in Piute Valley and drilled 4 exploratory wells in 2007. An Environmental Assessment for the monitoring well project is in progress and should be submitted by February 2008. Approval of the EA and granting of ROW by the BLM is expected by September 2008. Bidding for the drilling project is expected to be completed by September 2008. The site chosen for this monitoring well is approximately 2 miles south of Searchlight’s primary production well, Well S-2. The monitoring wells is now scheduled for completion by April 2009.</p>
Topaz Ranch Estates	\$5221.88	<p>Identification and mapping of proposed point of use/place of diversion for the existing 9 water rights permits.</p> <p>Progress Report, September 2007: The GID was awaiting final easement on the new well to begin this project. The easement was finalized in August 2007.</p>
Central Nevada Regional Water Authority	\$150,000.00	<p>Compile and document the baseline information required to determine long-term changes in groundwater levels in the Central Hydrographic Region (including: Churchill, Elko, Esmeralda, Eureka, Lander, Nye, & White Pine counties) in order to evaluate the sustainability of present groundwater supplies secured under existing water rights, analyze the impacts of future development, and support future actions by local governments.</p> <p>Progress Report, April 2007: Completed to date: 1) a spreadsheet containing water-level data, supporting database attributes and data-quality information; 2) maps showing spatial distribution of water-level data; and 3) analysis of data gaps.</p> <p>Progress Report, December 2007: The summary report that documents methods and findings and identifies areas needing additional new water-level measurements was generated and the website that will host the information and maps is in the final implementation stages with the Nevada Division of Water Resources. When this site becomes active, NDEP will include a copy of the summary report and a link to this site on its webpage.</p>