



FORESTRY, FIRE & STATE LANDS REQUEST FOR GRANT APPLICATION Cover Sheet



Project Title	Development of a Decision Support Framework for Integrated Water Resources Management of the Great Salt Lake (Phase 1: Assessing Model Suitability, Data Availability, and Data Gaps)		
Lead Project Sponsor	SWCA Environmental Consultants		
Project Contact	Name: Dr. Erica Gaddis		
	Mailing Address: 257 East 200 South, Suite 200		
	Phone Number: 801-322-4307		
	Fax Number: 801-322-4308		
	E-Mail Address: egaddis@swca.com		
Project Description / Abstract	<p>Issues related to changes in future water supply and demand associated with changes in landuse, population, and climate could critically affect the health of the Great Salt Lake system and the economic output of industry and tourism dependent on the lake. Long-term sustained management of the lake for multiple uses requires Integrated Water Resources Management (IWRM) of the Great Salt Lake and its drainage basin. This requires an understanding of the complex hydrologic system in the Great Salt Lake basin, an improved understanding of wetland and lake response to changes in water delivery to the system, and incorporation of projected future changes. This project encompasses the first steps of IWRM for the GSL basin: 1) collaboration with water resource managers in the GSL basin through two workshops, 2) review of existing data, analyses, and models related to future water supply, water demand, and lake level, and 3) identification of a modeling framework including climate, hydrology, water use, and lake level modules. The project will also include an analysis of critical data gaps and a summary of critical drivers of lake level change and potential impacts to lake health and economics associated with lower lake levels. This project lays the foundation for a modeling framework that is collaborative, relevant to resource managers, and cost-effective. Ultimately, the resulting decision support tools and models will be available to managers to improve management of water resources in the Great Salt Lake basin.</p>		
Project Funding	Amount Requested \$43,908	Matching Funds \$4,721	Total Project Cost \$48,629