



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



Project Title	Updating groundwater discharge estimates to the North Arm of Great Salt Lake		
Lead Project Sponsor	U.S. Geological Survey (USGS)		
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Project Description / Abstract	<p>Groundwater discharge to Great Salt Lake is being captured by pumping of groundwater in areas adjacent to the Lake. Although groundwater discharge accounts for only an estimated 5% of total inflow to Great Salt Lake, seven waterfowl management areas adjacent to the lake are dependent on natural groundwater discharge. From 1939 to 2001, discharge to Locomotive Springs Waterfowl Management Area is estimated to have decreased by about 70 %. For the same period, groundwater withdrawals in Curlew Valley increased from essentially zero to was approximately 34,000 acre-feet per year</p> <p>The main objectives of the proposed project are:</p> <ol style="list-style-type: none"> 1) Characterize the current physical and chemical characteristics of groundwater discharge to the north arm of Great Salt Lake, and 2) Identify the relationship between on-shore groundwater pumping and long-term variability in groundwater discharge to Great Salt Lake. 		
Project Funding	Amount Requested \$ 84,000	Matching Funds \$ 56,000	Total Project Cost \$ 140,000