



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



Project Title	Monitoring and computation of salt loading to Great Salt Lake from major riverine inputs for water year 2019		
Lead Project Sponsor	U.S. Geological Survey (USGS)		
Project Contact	Cory Angeroth		
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Project Description / Abstract	<p>Salt loading to Great Salt Lake from riverine inputs is currently not monitored or calculated. Based on work done in the 1960's it has been assumed that the amount of salt entering the lake is about equal to the amount of salt being extracted from the lake. A recent study has shown that assumed amount of salt loading to the lake is subject to annual variability and substantial uncertainty which could impact how the mineral resource is managed. The USGS proposes to quantitatively determine the salt loading by adding temperature and specific conductance probes to existing USGS streamgages. The 15 minute data provided by the probes and streamgages will allow for direct calculation of the salt load during water year 2019. This work will provide a better understanding of the salt balance of Great Salt Lake by determining the amount of dissolved solids added to the lake during the study period.</p>		
Project Funding	Amount Requested \$ 36,500	Matching Funds \$ 15,700	Total Project Cost \$ 52,200