



NOTICE OF INTENT TO AWARD

This Funding Announcement is not a request for applications. This announcement is to provide public notice of the U.S. Geological Survey's intention to fund the following project activities without full and open competition.

ABSTRACT	
Funding Announcement	USGS-18-FAC-0006
Project Title	Geomorphic Processes on the Green River in Canyonlands National Park, Logan, Utah
Recipient	Utah State University (USU)
Principal Investigator / Program Manager	John C. Schmidt Dept. of Watershed Sciences, Utah State University, 5210 Old Main Hill, Logan, UT 84322-5210
Anticipated Federal Amount	\$40,000
Cost Share	N/A
Total Anticipated Award Amount	\$40,000
New Award or Continuation?	New
Anticipated Period of Performance	Date of Award to 12/31/2018
Award Instrument	Cooperative Agreement
CFDA # and Title	15.808 Research & Data Collection
USGS Point of Contact	Cheryl Ciccarelli cciccarelli@usgs.gov 916-278-9346

OVERVIEW

The major goal of the proposed research is to study Geomorphic Processes on the Green River in Canyonlands National Park, Logan, Utah. The research objectives of this project are to: 1) publish previously completed work in a scientific journal article and 2) process and analyze survey data collected by USGS. This project will build on the existing body of research for the Green River in Canyonlands National Park, inform a USGS suspended-sediment monitoring station upstream by providing context on sediment fluxes and potential geomorphic changes, and support the National Park Service monitoring network.

RECIPIENT INVOLVEMENT

Recipient will process collected multibeam sonar and RTK-GPS data to create a bathymetric DEMs for each channel survey conducted by GCMRC within CANY. The produced DEMs of in-channel topography will then be merged with lidar data to create DEMs of both channel and floodplain topography for change detection analysis. DEMs of in-channel topography will allow us to better describe and document in-channel geomorphic processes for the surveyed study reach in CANY. This new work, coupled with the publication of the 2014-2017 research on the floodplain history of the lower Green River as both a journal article and an NPS report, will help to address Tasks 1 and 2 of the USGS-NPS Inter-Agency Agreement: “Investigate historic and potential future dynamics of the Green and Colorado River ecosystems, Canyonlands National Park” and meet the deliverables outlined in that agreement.

USGS INVOLVEMENT

Substantial involvement on the part USGS is anticipated for the successful completion of the objectives to be funded by this award. In particular, USGS will be responsible for the following:

1. Support for conducting field activities.
2. Implementing field season preparation (permits) and logistics.
3. Direct interaction between USGS scientists in evaluating and interpreting data.
4. Direct involvement and co-authorship on reports and publications.
5. Facilitating interaction between Utah State University, USGS Staff, and other cooperators.

SINGLE-SOURCE JUSTIFICATION

DEPARTMENT OF THE INTERIOR SINGLE SOURCE POLICY REQUIREMENTS
Department of the Interior Policy (505 DM 2) requires a written justification which explains why competition is not practicable for each single-source award. The justification must address one or more of the following criteria as well as discussion of the program legislative history, unique capabilities of the proposed recipient, and cost-sharing contribution offered by the proposed recipient, as applicable.
In order for an assistance award to be made without competition, the award must satisfy one or more of the following criteria: (1) Unsolicited Proposal – The proposed award is the result of an unsolicited assistance application which represents a unique or innovative idea, method, or approach which

is not the subject of a current or planned contract or assistance award, but which is deemed advantageous to the program objectives;

- (2) Continuation – The activity to be funded is necessary to the satisfactory completion of, or is a continuation of an activity presently being funded, and for which competition would have a significant adverse effect on the continuity or completion of the activity;
- (3) Legislative intent – The language in the applicable authorizing legislation or legislative history clearly indicates Congress’ intent to restrict the award to a particular recipient of purpose;
- (4) Unique Qualifications – The applicant is uniquely qualified to perform the activity based upon a variety of demonstrable factors such as location, property ownership, voluntary support capacity, cost-sharing ability if applicable, technical expertise, or other such unique qualifications;
- (5) Emergencies – Program/award where there is insufficient time available (due to a compelling and unusual urgency, or substantial danger to health or safety) for adequate competitive procedures to be followed.
- (6) Cooperative Agreements - USGS Unique Authority cited at 43 U.S.C. 36d (Federal, State, and academic partners) or DOI Authority cited at 43 U.S.C. 1457b (not-for-profit organizations).

USGS did not solicit full and open competition for this award based the following criteria:

(4) Unique Qualifications - Faculty at Utah State University have been working with scientists at the USGS Grand Canyon Monitoring and Research Center on studies relating to sandbars and survey methodologies for several years. John C. Schmidt is uniquely qualified to contribute to this research project, because of his experience in sediment transport and geomorphology. In addition, the geomorphology research group at USU has the necessary specialized technical expertise and prior experience to operate the required survey equipment, and has the requisite background knowledge and technical expertise needed to perform the specialized analyses required for this project without requiring additional training or support from USGS.

Single Source Justification Description:

(6) Cooperative Agreements - USGS Unique Authority cited at 43 U.S.C. 36d (Federal, State, and academic partners).

STATUTORY AUTHORITY

The statutory authority is 43 U.S.C. 36d which reads as follows:

Title 43 - PUBLIC LANDS

CHAPTER 2 - UNITED STATES GEOLOGICAL SURVEY

Sec. 36d - Cooperative agreements

Notwithstanding the provisions of the Federal Grant and Cooperative Agreement Act of 1977 (31 U.S.C. 6301–6308), the United States Geological Survey is authorized to continue existing, and on and after November 10, 2003, to enter into new cooperative agreements directed towards a particular cooperator, in support of joint research and data collection activities with Federal, State, and academic partners funded by appropriations herein, including those that provide for space in cooperator facilities.