Results from Prior NSF Support

Instructions from NSF Proposals and Awards Policies and Procedures Guide:

The purpose of this section is to assist reviewers in assessing the quality of prior work conducted with prior or current NSF funding. If **any PI or Co-PI** identified on the proposal has received prior NSF support including:

- An award with an end date in the past five years; or
- Any current funding, including any no cost extensions,

information on the award is required **for each PI and co-PI**, regardless of whether the support was directly related to the proposal or not. In cases where the PI or any co-PI has received more than one award (excluding amendments to existing awards), they need only report on the one award that is most closely related to the proposal. Support means salary support, as well as any other funding awarded by NSF, including research, Graduate Research Fellowship, Major Research Instrumentation, conference, equipment, travel, and center awards, etc.

The following information must be provided:

(a) The NSF award number, amount and period of support

(b) The title of the project

(c) A summary of the results of the completed work, including accomplishments, supported by the award. The results must be separately described under two distinct headings, Intellectual Merit and Broader Impacts

(d) A listing of the publications resulting from the NSF award (a complete bibliographic citation for each publication must be provided either in this section or in the References Cited section of the proposal); if none, state "No publications were produced under this award."

(e) Evidence of research products and their availability, including, but not limited to: data, publications, samples, physical collections, software, and models, as described in any Data Management Plan

(f) If the proposal is for renewed support, a description of the relation of the completed work to the proposed work.

If the project was recently awarded and therefore no new results exist, describe the major goals and broader impacts of the project.

Additional Information:

- The above instructions apply for each of the Senior Personnel (PI or Co-PIs). That is, if more than one of the Senior Personnel has prior NSF support, a *Results of Prior NSF Support* section needs to be completed for each.

- In cases where the PI or any co-PI has received more than one award, they need only report on the one that is most closely related to the proposal.

- Some program solicitations have additional instructions about this section.

- The length of the section depends on the award's relevance to the current proposal. If the current proposal is a request for subsequent funding of a previous award, the section should be substantial (can be up to 5 pages). Otherwise, a short section is appropriate. Evidence of products, especially publications, is very important.

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Examples of Results of Prior NSF Support

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Results of Prior NSF Support for Michael T. Stevens, Principal Investigator

Title: Cultivating the Growth of Capitol Reef Field Station

Award ID: ####### **Program:** Improvements in Facilities, Communications, and Equipment at Biological Field Stations and Marine Laboratories (FSML)

Award Amount: $##,###   **Award Period:** 08/01/2015 - 07/31/2017

Institution: Utah Valley University   **PI:** Michael T. Stevens   **Co-PI:** Gina Gilson

Summary of Results: *Intellectual Merit:* The goal of the project is to create a 5-year strategic plan for Capitol Reef Field Station (CRFS) informed by data obtained through an online survey from our cohort of university-operated field stations located in U.S. national parks (U-NP field stations). Findings included opportunities of U-NP partnerships and ways to maximize them; challenges of U-NP partnerships and ways to minimize them; and how U-NP field stations help both universities and national parks fulfill their missions.
Broader Impacts: A conference was hosted at CRFS that was attended by representatives of all university-operated field stations located in US national parks.
Publications and Presentations: This research has resulted in one publication in *BioScience* and one conference presentation for the PI (see *References Cited*).

Results of Prior NSF Support for Weihong Wang, Co-PI

Title: Investigating Temporal and Spatial Variations of Nutrient and Trace Metal Loading to Utah Lake   **Award Number:** #######

Program: iUTAH (innovative Urban Transitions & Arid-region Hydro-sustainability) / EPSCoR

PI: Weihong Wang   **Award Amount:** $##,###   **Award Period:** 2014-2016

Summary of Results: The project is characterizing ongoing impacts of population growth and climate change on water availability and quality. *Intellectual Merit.* Results indicate that Utah Lake is not well mixed horizontally but well mixed vertically. Elevated levels of arsenic and lead in water samples during the summer months were likely due to the application of manure as fertilizers from the surrounding agriculture lands and the runoff from mine tailings, respectively. *Broader Impacts.* The research results have provided important information to support the scientific community and decision makers at the Utah Lake Commission and Division of Water Quality and provided research opportunities for 3 students. *Research Products:* An abstract and oral presentation was given at the 22nd EPA National Nonpoint Source (NPS) Monitoring Workshop in 2016 by the PI and a poster presentation given at the iUTAH Annual Symposium in 2017 by two undergraduate students and the PI. An article, prepared by the PI and three undergraduate students has also been submitted to *Science of the Total Environment* (see *References Cited*).