RPRS

National Park Service Research Permit and Reporting System Part of IRMA (RPRS-2.3.0.18099_20200624:23:15:43)

Permit Profile NERI-2020-SCI-0005

National Park Service U.S. Department of the Interior Natural Resource Stewardship and Scient

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Sudy #: NERI-00053 Permit#: NERI-020-SCI-0005 Start Date: 0ct 37, 2020 Explantion Date:: 0ct 37, 2020 Explantion Date:: 0ct 37, 2020 Cop Agreement#: Optional Park Code: Name of principal investigator: Name: Dr Jenelle Dowling Phone:: 4066243320 Email: timber@adventurescientists.org Name: Dr Jenelle Dowling Phone:: 4066243320 Email: timber@adventurescientists.org Name of Institution represented: Adventure Scientists Additional investigators or key field assistants: Name: Dr Jenelle Dowling Phone:: 406-624-3320 panelle@adventurescientists.org max@adventurescientists.org max@adventurescientists.org Mate of Institution represented:	rmit Details		
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	Collection of the following speci	mens or materials, quantities, an	d any limitations on collecting:

Name of repository for specimens or sample materials if applicable:

NPS General Conditions for Scientific Research and Collecting Permit (available at the RPRS HELP page) apply to this permit. The following specific conditions or restrictions, and any attached conditions, also apply to this permit:

Please notify Chief of Natural Resources, Bryan Wender (bryan_wender@nps.gov) when data have been entered in WQX.

Please have volunteers contact Bryan via phone or email prior to beginning field work. His office phone number is 304-465-6542.

Please provide copies of a final report and any publications resulting from this permitted research.

Summary of permitted field methods and activities:

This project empowers Adventure Scientists' volunteer network with the tools, technology, and guidance to collect water quality data across over 13,000 miles of WSRs managed by USFS, BLM, and NPS. Adventure Scientists will leverage its volunteer communities of whitewater rafters and kayakers as well as backpackers, mountain bikers, day-hikers, and trailrunners to collect the necessary data. We will launch the project's first phase as a small-scale nationwide effort, with priority given to the nearly 4000 river miles of unassessed and unknown water quality managed by your agencies. These rivers span 16 of 40 states with WSRs. In the second project phase, Adventure Scientists intends to expand the project scope by prioritizing river segments with significant data gaps as well as those with identified impairments under the CWA. We will also incorporate previously collected data throughout the rivers managed by these three federal agencies.

We will focus on parameters that can be collected via field instruments or observations. Volunteers will deploy Hach probes that monitor dissolved oxygen (DO), pH, temperature, total dissolved solids (TDS), salinity and conductivity. Field equipment will be attended at all times by the volunteer and the volunteer will not be installing or leaving any equipment in the field. While in the field, volunteers will collect both chemical and physical condition data, requiring volunteers to: (1) access pre-selected field sites; (2) mark GPS coordinates and exact time of data collection; (3) deploy a data logger/sensor for the collection of basic parameters (temp, DO, pH, conductivity, TDS, salinity) in situ; and (4) conduct a qualitative habitat assessment and take photos.

Specimen Collection

Handling or Collecting Specimens No

Staff Notes (0)

Attached Documents (1)

US Department of the Interior

FOIA Privacy Policy Disclaimer and Ownership

NPS Home USA.gov Accessibility

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