



APPLICATION FOR A SCIENTIFIC RESEARCH AND COLLECTING PERMIT

United States Department of the Interior

National Park Service

All or some of the information you provide may become available to the public.

OMB # 1024-0236
Exp. Date 07/31/2020
Form No. 10-741a

Name of the National Park Service area you are applying to: Arches	
Type of application: New application	Please enter numbers for permit renewal or modification requests: Previously assigned NPS study number: Previously assigned NPS permit number:

Contact information for the current principal investigator	
Principal investigator: Mr Skip Ambrose	Office phone: 435-259-0401
Mailing address of principal investigator: HC 64 Box 2205 Castle Valley, UT 84532 US	Alternative phone: 970-227-8154 Office fax: 435-259-3804
Name of the current institution represented National Park Service	Office email address: skipambrose@frontiernet.net
Additional investigators or key field assistants (first name, last name, office phone, office email)	
Name: Chris Florian Phone: 435-260-9342 Email: skipchris@frontiernet.net	

Scientific Study Information	
Study Title (maximum 300 characters) Measuring sound levels in Arches National Park relative to the proposed rule change allowing off-road vehicles on park roads in National Parks in Utah.	
Purpose of the study (maximum 4000 characters) Natural sounds are an important park resource and are vital to park ecosystems. The National Park Service (NPS) is committed to protecting natural soundscapes. Recent proposed changes allowing the use of off-road vehicles in national parks in Utah have the potential to negatively impact park soundscapes. The purpose of this study is to measure sound levels immediately before and immediately after the proposed start date of the proposed rule change, and assess any changes in sound levels due to off-road vehicles. The proposed rule change to allow off-road vehicles in Arches National Park (ARCH) is scheduled to begin November 1, 2019. We propose to measure sound levels for 7 days prior to and 7 days following this date and assess any changes in sound levels. Additionally, we will assess factors that might have caused any changes.	
Summary of proposed field methods and activities (extract from the study proposal where appropriate - maximum 4000 characters) We will deploy 2-4 digital recording systems along the major road in ARCH for a minimum of 14 days. Recordings will be post-processed following the measurement period to determine sound levels using software developed by the NPS Natural Sounds Program, Fort Collins, CO. Recordings will also be used to determine the source of sounds along the park road and to assess any changes in vehicle type and associated sound levels prior to and following Nov. 1.	
Study Schedule Initial starting date of the study: Oct 24, 2019 Estimated date the entire study may end: Dec 30, 2019	Field Schedule Date to begin study within the park this application year: Oct 24, 2019 Date to end study within the park this application year: Nov 20, 2019
Does your study propose to involve any of the following? None selected	
Activity Type:	

Monitoring
Do you anticipate receiving funding assistance from the U.S. Federal Government for this study? (Yes or No) No If yes specify the agency(s):
Where will data, maps, photos, etc. (not specimens) reside upon completion of this study? At SEUG headquarters in Moab, UT.
Location(s) where you propose activities will take place within the National Park System area(s): Two to four locations along the main park road. Recorders will be placed 50-150 meters from road, in vegetation and will not be visible from park road.
Your proposed method of access (vehicles, aircraft, boat, snowmobile, foot, etc.): We will access locations from the main park road in our vehicle.
Paperwork Reduction Act Statement: A federal agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. Public reporting for this collection of information form is estimated to average 1.38 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the forms. Direct comments regarding this burden estimate or any aspect of this form to Dr. John G. Dennis, Natural Resources (3130 MIB), National Park Service, 1849 C Street, N.W., Washington, DC 20240. Privacy Act Notice: Scientific research, education and collecting activities within units of the National Park System that may impact parks invoke a permitting and reporting requirement per regulations at 36 CFR 1.6 (Permits), 36 CFR 2.1 (Preservation of Natural, Cultural and Archeological Resources), and 36 CFR 2.5 (Research Specimens). The National Park Service collects information about permit applicants and permittees to administer and document research, collecting, and reporting activities within parks. The information disclosed on this form is required and may result in denial of permit applications if not provided.