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<b>SCIENTIFIC RESEARCH AND COLLECTING PERMIT</b>  Grants permission in accordance with the attached general and special conditions United States Department of the Interior National Park Service Organ Pipe Cactus NM	Study#: ORPI-00083 Permit#: ORPI-2008-SCI-0002 Start Date: Feb 01, 2008 Expiration Date: Feb 01, 2009 Coop Agreement#: n/a Optional Park Code: n/a
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<b>Name of principal investigator:</b> Name: [REDACTED] Phone: [REDACTED] Email: [REDACTED]
<b>Name of institution represented:</b> [REDACTED]
<b>Co-Investigators:</b> Name: [REDACTED] Phone: [REDACTED] Email: [REDACTED]
<b>Project title:</b> Obsidian Source Provenance Study: Search and Discovery of AZ Unknown A in Organ Pipe Cactus National Monument
<b>Purpose of study:</b> To search for the only unlocated source of archaeological obsidian in the U.S. Southwest - "AZ Unknown A." This source is likely to be located within rhyolite on the eastern edge of Organ Pipe, or the western edge of the Tohono O'odahn Reservation. In 1992, the permittee analyzed 71 obsidian artifacts from Organ Pipe Cactus National Monument. The vast majority were assigned to source, but there was a significant minority that was an "unknown". Since then, this chemical group, now called "AZ Unknown A" has been found in sites throughout Arizona. Locating the primary source is important for understanding exchange, group interaction and procurement for a number of time periods.
<b>Subject/Discipline:</b> Archeology
<b>Locations authorized:</b> Ajo Mountains, in areas open to the general public.
<b>Transportation method to research site(s):</b> Motor vehicle on established legal roads, on foot away from roads.
<b>Collection of the following specimens or materials, quantities, and any limitations on collecting:</b> Up to 75 obsidian nodules and vitrophyre fragments, of up to 250 grams each
<b>Name of repository for specimens or sample materials if applicable:</b> Repository type: Will be destroyed through analysis or discarded after analysis Objects collected: Up to 75 obsidian nodules and vitrophyre fragments will be collected from dome structures. These will likely be on the ground surface, and will not need to be dug out of the perlite of vitrophyre. Samples will be analyzed by energy dispersive X-ray fluorescence spectrometry.
<b>Specific conditions or restrictions (also see attached conditions):</b> By signing and accepting this permit, the researcher and all assistants understand and accept the following: <ol style="list-style-type: none"> <li>1. Collection activity must be made out of view of monument visitors; All tags and markers must be removed at the conclusion of each field season.</li> <li>2. Samples may be taken from ground surface or rock surfaces only; no exploratory excavation is permitted.</li> </ol>



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- 3. The permittee is advised that Organ Pipe Cactus National Monument experiences high levels of border-related activities associated with illegal immigration, drug smuggling, and law-enforcement interdiction. The permittee and permittee's assistants are advised of current conditions within Organ Pipe: There are potentially dangerous persons entering the park from Mexico along all 30 miles of the park's border with Mexico. Potentially dangerous persons and criminal activity, including auto theft, can be encountered anywhere within the monument.
- 4. The National Park Service cannot guarantee the permittee's and permittee's assistants' safety. The permittee knowingly assumes all risks, and accepts full responsibility for the safety and security of themselves and their equipment, when conducting research in any part of Organ Pipe Cactus National Monument.
- 5. Permittee hereby waives forever any and all claims, demands and causes of action against the United States and its employees, and hereby releases forever the United States and its employees from any and all liability, arising out of or resulting from the permittee's activities under this permit.
- 6. Permittee further agrees to indemnify and hold harmless the United States and its employees against all and any loss, damage, or liability arising out of or resulting from the permittee's activities under this permit.
- 7. Portions of the monument may be closed, temporarily or indefinitely, due to safety concerns about activities associated with illegal border crossings. Researchers should be aware that they may not be able to access their preferred or established research sites. Please contact the research coordinator at Organ Pipe Cactus National Monument, [redacted], for the most recent information on areas that are closed to research within the monument.
- 8. This research permit may be cancelled or modified by the National Park Service if it is deemed that the proposed research cannot be carried out safely under current border conditions, or is otherwise found incompatible with monument management and/or border enforcement.

Recommended by park staff (name and title):  
 [redacted signature] [redacted name] [redacted title]

Reviewed by Collections Manager:  
 Yes  No  N/A

Approved by park official:  
 [redacted signature]

Date Approved:  
 1/29/08

Title:  
 Superintendent

**I Agree To All Conditions And Restrictions Of this Permit As Specified**  
 (Not valid unless signed and dated by the principal investigator)

\_\_\_\_\_  
 (Principal investigator's signature)

\_\_\_\_\_  
 (Date)

**THIS PERMIT AND ATTACHED CONDITIONS AND RESTRICTIONS MUST BE CARRIED AT ALL TIMES WHILE CONDUCTING RESEARCH ACTIVITIES IN THE DESIGNATED PARK(S)**