



INVESTIGATOR'S ANNUAL REPORT

United States Department of the Interior
National Park Service

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

Reporting Year: 2007	Park: Yellowstone NP	Select the type of permit this report addresses: Scientific Study	
Name of principal investigator or responsible official: Douglas MacDonald		Office Phone: 406-243-5814	
Mailing address: Department of Anthropology University of Montana Missoula, Montana 59812 Missoula, MT 59812 United States		Office FAX: 406-243-4918 Office Email: douglas.macdonald@mso.umt.edu	
Additional investigators or key field assistants (first name, last name, office phone, office email)			
Name: none		Phone:	Email:
Project Title (maximum 300 characters): The Montana-Yellowstone Archeological Project (MYAP)			
Park-assigned Study or Activity #: YELL-05656	Park-assigned Permit #: YELL-2007-SCI-5656	Permit Start Date: Jan 01, 2007	Permit Expiration Date: Dec 31, 2007
Scientific Study Starting Date: Jan 01, 2007		Estimated Scientific Study Ending Date: Dec 31, 2007	
For either a Scientific Study or a Science Education Activity, the status is: Continuing	For a Scientific Study that is completed, please check each of the following that applies: <input type="checkbox"/> A final report has been provided to the park or will be provided to the park within the next two years <input type="checkbox"/> Copies of field notes, data files, photos, or other study records, as agreed, have been provided to the park <input type="checkbox"/> All collected and retained specimens have been cataloged into the NPS catalog system and NPS has processed loan agreements as needed		
Activity Type: Research			
Subject/Discipline: Archeology			

Purpose of Scientific Study or Science Education Activity during the reporting year (maximum 4000 characters): Developed in consort with Yellowstone National Park archeologist, Ann Johnson and Elaine Hale and The University of Montana Department of Anthropology, the MYAP is envisioned as a long-term research project into the prehistory and history of the Montana portion of YNP. The initial 2-year research plan- described in the attached proposal- will entail a comprehensive survey and evaluation of archeological resources in a 700 acre tract along the Yellowstone River between the newly-constructed Heritage and Resource Center and the YNP boundary near Gardiner, Montana. Additional information can be found in the attached research proposal.
Findings and status of Scientific Study or accomplishments of Science Education Activity during the reporting year (maximum 4000 characters):

During the 2007 field season, the University of Montana archeological team, under the direction of Assistant Professor Douglas H. MacDonald, Ph.D., RPA, conducted a full inventory of prehistoric and historic archeological resources within a 700-acre portion of the boundary lands. The 2007 project focused on archeological resources in the boundary lands east of the Old Yellowstone Road and west of the Yellowstone River. The MYAP team identified 14 archeological sites, including eight with historic site components and 11 with prehistoric site components. Five of the sites contained evidence of both historic and prehistoric occupations. After survey, excavations were conducted at Site 24YE355 to evaluate its eligibility for listing on the National Register of Historic Places. Excavations in the prehistoric portion of the site— Area A, or the Yellowstone Bank Cache Site— yielded evidence of five prehistoric fire pits, as well as abundant lithic artifacts and faunal remains. Lithic artifacts, including two Pelican Lake projectile points, indicate that the excavated portion of Area A likely dates to the Late Plains Archaic period. In the historic portion of the site— Area B, or Cinnabar— excavations identified nine depressions associated with the former location of the original Northern Pacific railroad depot, occupied between 1883-1903. Abundant artifacts were recovered that substantiate this period of site use, while the MYAP team also excavated a 5-ft.-deep river cobble and mortar foundation to a large building, perhaps the Cinnabar hotel. Based on these excavations, Site 24YE355 is eligible for listing on the National Register of Historic Places. Both the prehistoric and historic portions of the site should be avoided during YNP park projects. If minor surface disturbances are necessary, archeological monitors are requested during activities to prevent damage to Site 24YE355.

For Scientific Studies (not Science Education Activities), were any specimens collected and removed from the park but not destroyed during analysis?

Yes

If “Yes”, identify where the specimens currently are stored:

The University of Montana Department of Anthropology

Funding specifically used in this park this reporting year that was provided by NPS (enter dollar amount):
\$8000

Funding specifically used in this park this reporting year that was provided by all other sources (enter dollar amount):
\$2000

List any other U.S. Government Agencies supporting this study or activity and the funding each provided this reporting year:

The University of Montana [\$2000]

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 is estimated to average 1.625 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 (3127 MIB), National Park Service, 1849 C Street, N.W., Washington, DC 20240.