



INVESTIGATOR'S ANNUAL REPORT

United States Department of the Interior
National Park Service

OMB # (1024-0236)
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All or some of the information you provide may become available to the public.

Reporting Year: 2008	Park: Yellowstone NP	Select the type of permit this report addresses: Scientific Study	
Name of principal investigator or responsible official: Jack Rhyan		Office Phone: (970)266-6140	
Mailing address: 4101 LaPorte Ave. Fort Collins, CO 80521 US		Office FAX: (970)266-6138 Office Email: Jack.C.Rhyan@aphis.usda.gov	
Additional investigators or key field assistants (first name, last name, office phone, office email)			
Name: Matt McCollum		Phone: 970 266-6233	Email:
Name: Ryan Clarke		Phone: 406 388-5162	Email: patrick.r.clarke@aphis.usda.gov
Project Title (maximum 300 characters): Bison Quarantine Feasibility Study			
Park-assigned Study or Activity #: YELL-05506	Park-assigned Permit #: YELL-2008-SCI-5506	Permit Start Date: Jan 01, 2008	Permit Expiration Date: Dec 31, 2008
Scientific Study Starting Date: Mar 01, 2005		Estimated Scientific Study Ending Date: Dec 31, 2008	
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: Mammals			

Purpose of Scientific Study or Science Education Activity during the reporting year (maximum 4000 characters):
Test the feasibility of the bison quarantine protocol as published in the USDA UM&R to determine if bison that have successfully completed quarantine are reliably negative for brucellosis and suitable for the establishment of new tribal and public herds

Findings and status of Scientific Study or accomplishments of Science Education Activity during the reporting year (maximum 4000 characters):
In the Spring of 2008, 112 bison calves (84 females and 28 males) were collected at the Stevens Creek trap and transferred to the bison quarantine feasibility study site in Corwin Springs. Animals were repeatedly tested by serologic and bacteriologic tests, positives were necropsied and infection confirmed by culture, and by October 82 bison remained in the study. According to protocol, 42 animals were necropsied and specimens collected for culture. Remaining animals from this cohort are tested at least twice annually and are expected to begin calving in summer 2010. Cohort 1 currently consists of 43 3- and 4-year-old bison (35 females and 8 males) and 16 calves. They have been tested extensively and remain negative for brucellosis.

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:

Bison quarantine feasibility study facility in Corwin Springs, MT

Funding specifically used in this park this reporting year that was provided by NPS (enter dollar amount):
\$0

Funding specifically used in this park this reporting year that was provided by all other sources (enter dollar amount):
\$0

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

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.