

2013 MONTANA FEDERAL LANDS ACCESS PROGRAM PROPOSAL

MAIN BOULDER RIVER ROAD RECONSTRUCTION

SWEET GRASS COUNTY

APPENDIX E

Environmental Scoping - 2011



United States Department of the Interior

FISH AND WILDLIFE SERVICE
ECOLOGICAL SERVICES
MONTANA FIELD OFFICE
585 SHEPARD WAY
HELENA, MONTANA 59601
PHONE (406) 449-5225, FAX (406) 449-5339

M.29 Public (I)

April 28, 2011

Chris Laity
Great West Engineering
P.O. Box 4817
2501 Belt View Drive
Helena, Montana 59604

Dear Mr. Laity:

This is in response to your request dated March 28, 2011 regarding the Sweet Grass County Montana Forest Highway Program Application. Your letter requested U.S. Fish and Wildlife Service (Service) comments regarding the effect of the proposed project on fish, wildlife, wetlands, and/or threatened or endangered (T/E) species that may be present in the project area. The Service's Montana Field Office received your letter on March 29, 2011. As clarification for the requested due date for comments, the Service is generally allowed 30 days from the date of receipt of a request to respond. We strive to respond in as short of a period as possible and are usually able to send our letters out within the allotted time frame. Occasionally, however, high workloads and limited staff challenge our efforts to be timely. We offer the following comments for your consideration. These comments have been prepared under the authority of and in accordance with the provisions of the Fish and Wildlife Coordination Act (16 U.S.C. 661 et. seq.) and the Endangered Species Act (16 U.S.C. 1531 et. seq.).

In accordance with section 7(c) of the Endangered Species Act, the Service has determined that the federally-listed threatened Canada lynx (*Lynx canadensis*) and threatened grizzly bear (*Ursus arctos horribilis*) may occur in Sweet Grass and Park Counties within the project area. The Service is providing this information to assist you in determining possible occurrence of species of federal concern. These species may be affected as a result of project related activity. Potential effects may vary and may result in disturbance and/or displacement of individuals using the area. State species of concern may also occur in the vicinity of the project and we recommend contacting the Montana Department of Fish, Wildlife and Parks at 1420 East Sixth Ave., P.O. Box 200701, Helena, MT 59620-0701, 406-444-2535 or the Montana Natural Heritage Program, 1515 East 6th Avenue, Box 201800, Helena, MT 59620-1800, 406-444-5354.

Because culvert work would occur, it is likely that the proposed projects may impact streams or wetlands. If so, Corps of Engineers (Corps) Section 404 permits may eventually be required. In that event, depending on permit type and other factors, the Service may be required to review permit applications and will recommend any protection or mitigation measures to the Corps as may appear reasonable and prudent based on the information available at that time. The Service

recommends keeping temporary disturbances to stream channels to the minimum extent and duration possible, with as much occurring "in the dry" as possible. This would reduce disruptions to the stream during construction, resulting in fewer short-term impacts to aquatic species relative to stream bed and bank disturbance and sediment inputs.

Section 7(a)(2) of the Act requires all federal agencies to insure that any action authorized, funded, or carried out, in whole or in part, by such agency is not likely to jeopardize the continued existence of any endangered or threatened species or result in the destruction or adverse modification of habitat of such species which is determined to be critical. To facilitate compliance with the requirements of section 7(a)(2), section 7(c)(1) of the act requires federal agencies proposing major construction activities complete a biological assessment to determine the effects of the proposed actions on listed and proposed species. A major construction activity is defined as "a construction project (or other undertaking having similar physical impacts) which is a major federal action significantly affecting the quality of the human environment as referred to in the National Environmental Policy Act" (50 CFR Part 402). If a biological assessment is not required (i.e., all other actions), the federal agency is still required to review their proposed activities to determine whether listed species may be affected. If such a determination is made, consultation with the Service is required.

For those actions wherein a biological assessment is required, the assessment should be completed within 180 days of initiation. This time frame can be extended by mutual agreement between the federal agency or its designated non-federal representative and the Service. If an assessment is not initiated within 90 days, this list of threatened and endangered species should be verified with the Service prior to initiation of the assessment. The biological assessment may be undertaken as part of the federal agency's compliance of section 102 of the NEPA and incorporated into the NEPA documents. We recommend that biological assessments include the following:

1. A description of the project.
2. A description of the specific area that may be affected by the action.
3. The current status, habitat use, and behavior of T/E species in the project area.
4. Discussion of the methods used to determine the information in Item 3.
5. An analysis of the affects of the action on listed species and proposed species and their habitats, including an analysis of any cumulative effects.
6. Coordination/mitigation measures that will reduce/eliminate adverse impacts to T/E species.
7. The expected status of T/E species in the future (short and long term) during and after project completion.
8. A determination of "May affect, likely to adversely affect" or "May affect, not likely to adversely affect" for listed species.
9. A determination of "is likely to jeopardize" or "is not likely to jeopardize" for proposed species.
10. Citation of literature and personal contacts used in developing the assessment.

If it is determined a proposed program or project "is likely to adversely affect" any listed species, formal consultation should be initiated with this office. If it is concluded the project "is not

likely to adversely affect" listed species, the Service should be asked to review the assessment and concur with the determination of not likely to adversely affect.

A federal agency may designate a non-federal representative to conduct informal consultation or prepare biological assessments. However, the ultimate responsibility for section 7 compliance remains with the federal agency and written notice should be provided to the Service upon such a designation. We recommend federal agencies provide their non-federal representatives with proper guidance and oversight during preparation of biological assessments and evaluation of potential impacts to listed species. Section 7(d) of the Act requires that the federal agency and permit/license applicant shall not make any irreversible or ir retrievable commitment of resources which would preclude the formulation of reasonable and prudent alternatives until consultation on listed species is completed.

The Service appreciates your efforts to incorporate fish and wildlife resource concerns, including threatened and endangered species, into your project planning. If you have questions or comments related to this issue, please contact Katrina Dixon or me at (406) 449-5225.

Sincerely



R. Mark Wilson
Field Supervisor

Cultural Resources Project Approach

Working within an Area of Potential Effects (APE) that is sufficient to address the areas that will receive subsurface impacts from the proposed ground disturbance activities during improvements to the Boulder Road, Historical Research Associates, Inc. (HRA) will conduct a cultural resources assessment for the project. A review of the Montana State Historic Preservation site and report files indicate that 18 cultural resources (5 pre-contact and 13 historic) are located within the sections where the road is located. In addition, cursory reviews of General Land Office plats show several homesteads near the road and Montana Water Resource plats depict several ditches near the road. The potential for cultural resources in the proposed project area is high.

To complete the cultural resources assessment, HRA will conduct the following tasks:

1. Acquire any necessary federal or state permits for the cultural resources investigation.
2. A follow-up records search at the Montana State Historic Preservation Office (SHPO) and the Gallatin National Forest to determine if any new cultural resources have been recorded within and in the vicinity of the Project area. HRA staff also will conduct additional background research in HRA's cultural resource reference library. Information obtained from these repositories will help to establish the context for evaluating any encountered cultural resources for eligibility for inclusion in the National Register of Historic Places.
3. HRA will conduct a 100-percent archaeological pedestrian survey for archaeological sites and a visual assessment for any potentially significant above-ground historic-era resources within one-half mile of the project that may be impacted by the proposed Project activities.
4. Where ground visibility is poor HRA will excavate shovel probes.
5. If archaeological materials are found, they will be analyzed in the field but not collected. To the extent possible, they will be identified as to type, material, function, and cultural and chronological association.
6. All encountered archaeological materials will be documented on Montana SHPO site and isolate forms. The attached cost estimate assumes that no more than five cultural resource sites and/or isolates will be recorded during this project.
7. Upon completion of the fieldwork, HRA will notify Great West Engineering and WFL by email and provide a list of any resources recorded. HRA will prepare a Cultural Resources Survey Report summarizing the results of the project. This report will reflect professional standards for format and content as expressed in the guidelines prepared by Montana SHPO.

Site #	Twp	Rng	Sec	Qs	Site Type 1	Site Type 2	Time Period	Owner	NR Status
24SW0206	3 S	12E	26	SW	Lithic Scatter	Null	No Data	Forest Service	undetermined
24PA1004	3 S	12E	34	NW	Pictograph	Null	No Data	Forest Service	undetermined
24PA0335	3 S	12E	34	SE	Historic Conservation	Historic Ranger Station	Historic More Than One Decade	Forest Service	CD
24PA1180	3 S	10E	34	SE	Historic CCC Camp	Null	Historic Period	Forest Service	undetermined
24SW0555	3 S	12E	35	SW	Historic Military Site	Rock Structure(s)	Historic Period	Private	undetermined
24SW1112	4 S	12E	2	Comb	Historic Military Site	Null	Historic Period	MDOT	undetermined
24SW0322	4 S	12E	14	Comb	Historic Road/Trail	Null	Historic More Than One Decade	Forest Service	undetermined
24SW0323	4 S	12E	14	NW	Historic Road/Trail	Null	Historic Period	Forest Service	undetermined
24SW0468	4 S	12E	14	SW	Historic Hard Rock Mine	Null	Historic Period	Forest Service	undetermined
24SW0480	4 S	12E	14	SW	Historic Hard Rock Mine	Null	Historic Period	Forest Service	undetermined
24SW0322	4 S	12E	14	SW	Historic Road/Trail	Null	Historic Period	Forest Service	undetermined
24SW0348	4 S	12E	23	NE	Historic Mining	Null	Historic Period	Forest Service	undetermined
24SW0323	4 S	12E	23	NW	Historic Road/Trail	Null	Historic Period	Forest Service	undetermined
24SW0327	4 S	12E	23	SW	Historic Road/Trail	Null	Historic Period	Forest Service	undetermined
24SW0357	4 S	12E	25	NW	Historic Trash Dump	Null	Historic Period	Forest Service	undetermined
24SW0351	4 S	12E	30	SW	Historic Agriculture	Historic Irrigation System	Historic Period	Forest Service	undetermined
24SW0343	5 S	12E	23	SW	Rock Alignment(s)	Null	Historic Period	Forest Service	undetermined
24SW0213	5 S	12E	25	NW	Lithic Scatter	Null	No Indication of Time	Forest Service	undetermined
24SW0310	5 S	12E	26	SW	Lithic Scatter	Null	No Indication of Time	Forest Service	undetermined
24SW1004	5 S	12E	35	SW	Lithic Scatter	Null	No Data	Forest Service	undetermined
24DA0494	6 S	12E	3	Unk	Lithic Scatter	Lithic Scatter	Prehistoric Middle Period	Forest Service	undetermined
24PA0724	6 S	12E	4	NE	Historic Conservation	Historic Ranger Station	1930-1939	Forest Service	CD
24PA1310	6 S	12E	4	SE	Historic Log Structure	Null	Historic More Than One Decade	Combination	undetermined

Township: 3 S Range: 12E Section: 34

SAMUELSON ANN E.

12 /20/1982 CULTURAL RESOURCE REPORT ON THE INDIAN CAVE PICTOGRAPHS

CRABS Document Number: PA 1 6372

Agency Document Number: 82-GA-1-39

Township: 3 S Range: 12E Section: 34

ALLEN WALTER E. AND TOM BALLARD

1 /25/2005 GALLATIN NATIONAL FOREST HERITAGE PROGRAM ANNUAL REPORT TO THE MONTANA STATE HISTORIC PRESERVATION OFFICE, IN MONTANA

CRABS Document Number: ZZ 1 27951

Agency Document Number:

Township: 3 S Range: 12E Section: 34

ALLEN WALTER E. AND TOM BALLARD

2 /27/2009 GALLATIN NATIONAL FOREST HERITAGE PROGRAM ANNUAL REPORT TO THE MONTANA STATE HISTORIC PRESERVATION 2008

CRABS Document Number: ZZ 1 30958

Agency Document Number:

Township: 3 S Range: 12E Section: 34

ALLEN WALTER E.

3 /24/2003 GALLATIN NATIONAL FOREST 2002 ANNUAL HERITAGE REPORT IN MONTANA

CRABS Document Number: ZZ 1 26353

Agency Document Number: ANNUAL REPORT 2002

Township: 3 S Range: 12E Section: 34

ALLEN WALTER E. AND TOM BALLARD

3 /7/2006 GALLATIN NATIONAL FOREST HERITAGE PROGRAM ANNUAL REPORT TO THE MONTANA STATE HISTORIC PRESERVATION OFFICE

CRABS Document Number: ZZ 1 29452

Agency Document Number:

Township: 3 S Range: 12E Section: 34

RYAN J. MICHAEL

6 /19/1985 MAIN BOULDER WORK CENTER RECORDATION AND EVALUATION

CRABS Document Number: PA 1 6413

Agency Document Number: 85-GA-1-1

Township: 3 S Range: 12E Section: 34

WEISGERBER BERNIE

3 /24/1993 HISTORICAL PRESERVATION PROJECT: MAIN BOULDER RANGER STATION PHASE II

CRABS Document Number: XX 1 24652

Agency Document Number:

Township: 3 S Range: 12E Section: 34

SCOTT SARA AND WALT ALLEN

9 / /2007 RECORDATION CONDITION ASSESSMENT AND MANAGEMENT OPTIONS FOR THE MAIN BOULDER PICTOGRAPH SITE (24PA1004)

CRABS Document Number: PA 1 29744

Agency Document Number:

Township: 3 S Range: 12E Section: 34

WEISGERBER BERNIE

7 /18/1992 HISTORICAL PRESERVATION PROJECT: MAIN BOULDER RANGER STATION PHASE I, BIG TIMBER RANGER DISTRICT

CRABS Document Number: XX 1 24649 Agency Document Number:

Township: 3 S Range: 12E Section: 34

ALLEN WALTER E. AND TOM BALLARD

6 /12/2008 GALLATIN NATIONAL FOREST HERITAGE PROGRAM ANNUAL REPORT TO THE MONTANA STATE HISTORIC PRESERVATION OFFICE

CRABS Document Number: ZZ 1 30335 Agency Document Number:

Township: 3 S Range: 12E Section: 34

RYAN J. MICHAEL

6 /19/1985 MAIN BOULDER WORK CENTER RECORDATION & EVALUATION - ALSO DRAFT MAIN BOULDER RANGER STATION ARCHITECTURAL PRESERVATION GUIDE

CRABS Document Number: PA 1 16550 Agency Document Number: 85-GA-1-1

Township: 3 S Range: 12E Section: 34

GALLATIN ANONYMOUS
NATIONAL FOREST

/ /0 GALLATIN NATIONAL FOREST (PREHISTORIC SITE COMPENDIUM)

CRABS Document Number: ZZ 1 10966 Agency Document Number:

Township: 4 S Range: 12E Section: 14

ALLEN WALTER E. AND TOM BALLARD

2 /9/2006 GALLATIN NATIONAL FOREST HERITAGE PROGRAM ANNUAL REPORT TO THE MONTANA STATE HISTORIC PRESERVATION OFFICE

CRABS Document Number: ZZ 1 28960 Agency Document Number:

Township: 4 S Range: 12E Section: 15

BAILEY MARILYN

10 /6/1981 LANGWORTHY-LONG LAND EXCHANGE

CRABS Document Number: PA 1 6347 Agency Document Number: 81-GA-1-27

Township: 4 S Range: 12E Section: 23

ALLEN WALTER E. AND TOM BALLARD

6 /12/2008 GALLATIN NATIONAL FOREST HERITAGE PROGRAM ANNUAL REPORT TO THE MONTANA STATE HISTORIC PRESERVATION OFFICE

CRABS Document Number: ZZ 1 30335 Agency Document Number:

Township: 4 S Range: 12E Section: 23

ALLEN WALTER E.

11 /15/1989 CLYDEHURST RECONSTRUCTION

CRABS Document Number: SW 1 9734 Agency Document Number: D1-89-3

Township: 4 S Range: 12E Section: 23

ALLEN WALTER E.

11 /17/1989 GRAHM CREEK TRAIL

CRABS Document Number: SW 1 9737

Agency Document Number: D1-89-7

Township: 4 S Range: 12E Section: 23

ALLEN WALTER E. AND TOM BALLARD

2 /9 /2006 GALLATIN NATIONAL FOREST HERITAGE PROGRAM ANNUAL REPORT TO THE MONTANA STATE HISTORIC PRESERVATION OFFICE

CRABS Document Number: ZZ 1 28960

Agency Document Number:

Township: 4 S Range: 12E Section: 24

ALLEN WALTER E.

11 /15/1989 CLYDEHURST RECONSTRUCTION

CRABS Document Number: SW 1 9734

Agency Document Number: D1-89-3

Township: 4 S Range: 12E Section: 25

ALLEN WALTER E.

11 /15/1989 CLYDEHURST RECONSTRUCTION

CRABS Document Number: SW 1 9734

Agency Document Number: D1-89-3

Township: 4 S Range: 12E Section: 25

ALLEN WALTER E.

11 /14/1989 ASPEN CAMPGROUND REHABILITATION

CRABS Document Number: SW 1 9732

Agency Document Number: D1-89-1

Township: 4 S Range: 12E Section: 26

ALLEN WALTER E.

11 /15/1989 CLYDEHURST RECONSTRUCTION

CRABS Document Number: SW 1 9734

Agency Document Number: D1-89-3

Township: 4 S Range: 12E Section: 36

ALLEN WALTER E.

11 /15/1989 CLYDEHURST\CHIPPY RECONSTRUCTION

CRABS Document Number: SW 1 9735

Agency Document Number: D1-89-4

Township: 4 S Range: 12E Section: 36

ALLEN WALTER E.

11 /14/1989 CHIPPY PARK CAMPGROUND

CRABS Document Number: SW 1 9733

Agency Document Number: D1-89-2

Township: 5 S Range:12E Section:1

SAMUELSON ANN E.

9 /29/1983 DEWEY WHITTAKER MINE

CRABS Document Number: SW 1 9714

Agency Document Number: 83-GA-1-23

Township: 5 S Range:12E Section:13

RYAN J. MICHAEL, ET AL.

7 /17/1987 THE MILLER CREEK GRAVEL PIT EXPANSION

CRABS Document Number: SW 1 9724

Agency Document Number: 87-GA-1-3

Township: 5 S Range:12E Section:23

BAILEY MARILYN

7 /13/1981 METHODIST CHURCH CAMP LAND EXCHANGE PROJECT

CRABS Document Number: SW 1 9701

Agency Document Number: 81-GA-1-14

Township: 5 S Range:12E Section:26

BAILEY MARILYN

7 /13/1981 METHODIST CHURCH CAMP LAND EXCHANGE PROJECT

CRABS Document Number: SW 1 9701

Agency Document Number: 81-GA-1-14

Township: 5 S Range:12E Section:35

ALLEN WALTER E.

11 /20/1989 HELLS CANYON CAMPGROUND

CRABS Document Number: GA 1 3388

Agency Document Number: D1-89-8

Township: 5 S Range:12E Section:35

GALLATIN ANONYMOUS
NATIONAL FOREST

/ /0 GALLATIN NATIONAL FOREST (PREHISTORIC SITE COMPENDIUM)

CRABS Document Number: ZZ 1 10966

Agency Document Number:

Township: 6 S Range:12E Section:3

GALLATIN ANONYMOUS
NATIONAL FOREST

/ /0 GALLATIN NATIONAL FOREST (PREHISTORIC SITE COMPENDIUM)

CRABS Document Number: ZZ 1 10966

Agency Document Number:

Township: 6 S Range: 12E Section: 4

ALLEN WALTER E.

3 /24/2003 GALLATIN NATIONAL FOREST 2002 ANNUAL HERITAGE REPORT IN MONTANA

CRABS Document Number: ZZ 1 26353 Agency Document Number: ANNUAL REPORT 2002

Township: 6 S Range: 12E Section: 4

CAYWOOD JANENE M., ET AL.

3 /11/1991 EVALUATION OF REGION 1 FOREST SERVICE-OWNED BUILDINGS FOR ELIGIBILITY TO THE NATIONAL REGISTER OF HISTORIC PLACES

CRABS Document Number: ZZ 1 13017 Agency Document Number:

Township: 6 S Range: 12E Section: 4

GRIFFIN KRISTIN L.

10 /31/1994 BOX BEETLE TIMBER SALVAGE

CRABS Document Number: PA 1 16937 Agency Document Number: 94-GA-1-1

Township: 6 S Range: 12E Section: 4

ALLEN WALTER E. AND TOM BALLARD

6 /12/2008 GALLATIN NATIONAL FOREST HERITAGE PROGRAM ANNUAL REPORT TO THE MONTANA STATE HISTORIC PRESERVATION OFFICE

CRABS Document Number: ZZ 1 30335 Agency Document Number:

Township: 6 S Range: 12E Section: 4

ALLEN WALTER E. AND TOM BALLARD

2 /9/2006 GALLATIN NATIONAL FOREST HERITAGE PROGRAM ANNUAL REPORT TO THE MONTANA STATE HISTORIC PRESERVATION OFFICE

CRABS Document Number: ZZ 1 28960 Agency Document Number:

Township: 6 S Range: 12E Section: 4

RYAN J. MICHAEL

5 /15/1985 FOUR MILE GUARD STATION BURIED POWERLINE 85-GA-1-2

CRABS Document Number: PA 1 6422 Agency Document Number: 85-GA-1-2

Township: 6 S Range: 12E Section: 4

ALLEN WALTER E. AND TOM BALLARD

1 /25/2005 GALLATIN NATIONAL FOREST HERITAGE PROGRAM ANNUAL REPORT TO THE MONTANA STATE HISTORIC PRESERVATION OFFICE, IN MONTANA

CRABS Document Number: ZZ 1 27951 Agency Document Number:

Township: 6 S Range: 12E Section: 4

ALLEN WALTER E. AND TOM BALLARD

3 /7/2006 GALLATIN NATIONAL FOREST HERITAGE PROGRAM ANNUAL REPORT TO THE MONTANA STATE HISTORIC PRESERVATION OFFICE

CRABS Document Number: ZZ 1 29452 Agency Document Number:



Species of Concern Data Report

Visit <http://mtnhp.org> for additional information.

Report Date:
Tuesday, April 19, 2011

Histrionicus histrionicus

[View Species Info in MT Field Guide](#)

Common Name: Harlequin Duck

Description: Vertebrate Animal

Mapping Delineation:

Stream reaches with confirmed presence of pairs, downy young, or juveniles or where breeding effort is believed to occur due to confirmed effort in adjacent areas. Minimum stream reach length is 1,000 meters (500 meters below and above a point observation). Occurrences on smaller order streams include the area 500 meters above an observation down to the mouth of that stream. In order to reflect the importance of adjacent terrestrial habitats to survival, stream reaches are buffered 100 meters into the terrestrial habitat based on PACFISH/INFISH Riparian Conservation Area standards.

Species Status

Natural Heritage Ranks:

State: S2B
Global: G4

Federal Agency Status:

U.S. Fish & Wildlife Service:
U.S. Forest Service: SENSITIVE
U.S. Bureau of Land Management: SENSITIVE

[Click for Status Help](#)

FWP CFWCS Tier: 1

MT PIF Code:

Species Occurrences

Species Occurrence Map Label:	217434	SO Number:	19
First Observation Date:	1979-05-26	Acreage:	2,153
Last Observation Date:	1999-05-20	SO Rank:	

Falco peregrinus

[View Species Info in MT Field Guide](#)

Common Name: Peregrine Falcon

Description: Vertebrate Animal

Mapping Delineation:

Confirmed nesting area buffered by a minimum distance of 500 meters in order to encompass the area around the nest known to be defended by adults as well as the minimum distance reported between nests. Otherwise the nest area is buffered by the locational uncertainty associated with the observation up to a maximum distance of 10,000 meters.

Species Status

Natural Heritage Ranks:

State: S3
Global: G4

Federal Agency Status:

U.S. Fish & Wildlife Service: DM
U.S. Forest Service: SENSITIVE
U.S. Bureau of Land Management: SENSITIVE

[Click for Status Help](#)

FWP CFWCS Tier: 2

MT PIF Code:

Species Occurrences

Species Occurrence Map Label:	177258	SO Number:	734,825
First Observation Date:		Acreage:	6,951
Last Observation Date:		SO Rank:	



Natural Resource Information System
 Montana State Library
 PO Box 201880
 Helena, MT 59620-1800
 (406)444-3088 mtnhp@mt.gov

Species of Concern Data Report

Visit <http://mtnhp.org> for additional information.

Report Date:
Tuesday, April 19, 2011

Species Occurrences

Species Occurrence Map Label:	177260	SO Number:	734,417
First Observation Date:		Acreage:	278
Last Observation Date:		SO Rank:	

Species Occurrence Map Label:	177262	SO Number:	734,381
First Observation Date:		Acreage:	193
Last Observation Date:		SO Rank:	

Nucifraga columbiana

[View Species Info in MT Field Guide](#)

Common Name: Clark's Nutcracker

Description: Vertebrate Animal

Mapping Delineation:

Observations with evidence of breeding activity buffered by a minimum distance of 1,000 meters in order to be conservative about encompassing the spring/summer breeding territories of family groups and otherwise buffered by the locational uncertainty associated with the observation up to a maximum distance of 10,000 meters.

Species Status

Natural Heritage Ranks:

State: S3
 Global: G5

Federal Agency Status:

U.S. Fish & Wildlife Service:
 U.S. Forest Service:
 U.S. Bureau of Land Management:

[Click for Status Help](#)

FWP CFWCS Tier: 3

MT PIF Code:

Species Occurrences

Species Occurrence Map Label:	271576	SO Number:	1,867
First Observation Date:	1994-05-16	Acreage:	772
Last Observation Date:	1994-05-16	SO Rank:	

Species Occurrence Map Label:	271578	SO Number:	1,485
First Observation Date:	1994-05-16	Acreage:	772
Last Observation Date:	2002-05-15	SO Rank:	

Species Occurrence Map Label:	271584	SO Number:	2,191
First Observation Date:	1994-05-16	Acreage:	772
Last Observation Date:	2002-05-15	SO Rank:	

Species Occurrence Map Label:	271588	SO Number:	369
First Observation Date:	2002-05-15	Acreage:	772
Last Observation Date:	2002-05-15	SO Rank:	



Species of Concern Data Report

Visit <http://mtnhp.org> for additional information.

Report Date:
Tuesday, April 19, 2011

Species Occurrences

Species Occurrence Map Label: **271590** SO Number: 2,065
First Observation Date: 1994-05-16 Acreage: 772
Last Observation Date: 2004-05-20 SO Rank:

Species Occurrence Map Label: **271600** SO Number: 1,888
First Observation Date: 1994-05-16 Acreage: 772
Last Observation Date: 2002-05-15 SO Rank:

Species Occurrence Map Label: **271604** SO Number: 2,279
First Observation Date: 2002-05-15 Acreage: 772
Last Observation Date: 2002-05-15 SO Rank:

Species Occurrence Map Label: **271606** SO Number: 688
First Observation Date: 1995-05-16 Acreage: 772
Last Observation Date: 2002-05-15 SO Rank:

Species Occurrence Map Label: **271608** SO Number: 1,409
First Observation Date: 2002-05-15 Acreage: 772
Last Observation Date: 2002-05-15 SO Rank:

Species Occurrence Map Label: **271610** SO Number: 1,724
First Observation Date: 2000-05-19 Acreage: 772
Last Observation Date: 2002-05-15 SO Rank:

Oncorhynchus clarkii bouvieri

[View Species Info in MT Field Guide](#)

Common Name: Yellowstone Cutthroat Trout

Description: Vertebrate Animal

Mapping Delineation:

Stream reaches and standing water bodies where the species presence has been confirmed through direct capture or where they are believed to be present based on the professional judgement of a fisheries biologist due to confirmed presence in adjacent areas. In order to reflect the importance of adjacent terrestrial habitats to survival, stream reaches are buffered 100 meters, standing water bodies greater than 1 acre are buffered 50 meters, and standing water bodies less than 1 acre are buffered 30 meters into the terrestrial habitat based on PACFISH/INFISH Riparian Conservation Area standards.



MONTANA
Natural
Heritage
Program

Natural Resource Information System
Montana State Library
PO Box 201800
Helena, MT 59620-1800
(406) 541-3008 mtnhp@mt.gov

Species of Concern Data Report

Visit <http://mtnhp.org> for additional information.

Report Date:
Tuesday, April 19, 2011

Species Status

Natural Heritage Ranks:

State: S2
Global: G4T2

FWP CFWCS Tier: 1

Federal Agency Status:

U.S. Fish & Wildlife Service:
U.S. Forest Service: SENSITIVE
U.S. Bureau of Land Management: SENSITIVE

[Click for Status Help](#)

MT PIF Code:

Species Occurrences

Species Occurrence Map Label: **255999** SO Number: 27,717
First Observation Date: Acreage: 574
Last Observation Date: SO Rank:

Species Occurrence Map Label: **256062** SO Number: 27,764
First Observation Date: Acreage: 1,115
Last Observation Date: SO Rank:

Species Occurrence Map Label: **256194** SO Number: 27,848
First Observation Date: Acreage: 639
Last Observation Date: SO Rank:

Species Occurrence Map Label: **256202** SO Number: 27,856
First Observation Date: Acreage: 96
Last Observation Date: SO Rank:

Species Occurrence Map Label: **265878** SO Number: 54,889
First Observation Date: Acreage: 12
Last Observation Date: SO Rank:

Species Occurrence Map Label: **265962** SO Number: 54,346
First Observation Date: Acreage: 8
Last Observation Date: SO Rank:

Species Occurrence Map Label: **265966** SO Number: 28,884
First Observation Date: Acreage: 12
Last Observation Date: SO Rank:



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Species of Concern Data Report

Visit <http://mtnhp.org> for additional information.

Report Date:
Tuesday, April 19, 2011

Species Occurrences

Species Occurrence Map Label:	265968	SO Number:	40,956
First Observation Date:		Acreage:	13
Last Observation Date:		SO Rank:	

Species Occurrence Map Label:	266014	SO Number:	27,454
First Observation Date:		Acreage:	9
Last Observation Date:		SO Rank:	

Canis lupus

[View Species Info in MT Field Guide](#)

Common Name: Gray Wolf

Description: Vertebrate Animal

Mapping Delineation:

U.S. Fish and Wildlife Service recovery area boundaries for northwestern Montana where populations are classified as Endangered and southwestern Montana where populations are classified as Experimental Nonessential.

Species Status

Natural Heritage Ranks:

State: S4
 Global: G4

Federal Agency Status:

U.S. Fish & Wildlife Service: LE, XN
 U.S. Forest Service: SENSITIVE
 U.S. Bureau of Land Management: SENSITIVE

[Click for Status Help](#)

FWP CFWCS Tier: 1

MT PIF Code:

Species Occurrences

Species Occurrence Map Label:	218198	SO Number:	45
First Observation Date:		Acreage:	36,979,424
Last Observation Date:		SO Rank:	

Ursus arctos

[View Species Info in MT Field Guide](#)

Common Name: Grizzly Bear

Description: Vertebrate Animal

Mapping Delineation:

U.S. Fish and Wildlife Service recovery area boundaries for the Northern Continental Divide and Cabinet-Yaak recovery areas where recovery efforts continue and the boundaries of the Yellowstone distinct population segment where bears were recently delisted from the Endangered Species Act.

Species Status

Natural Heritage Ranks:

State: S2S3
 Global: G4

Federal Agency Status:

U.S. Fish & Wildlife Service: LT, XN
 U.S. Forest Service: THREATENED
 U.S. Bureau of Land Management: SENSITIVE

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FWP CFWCS Tier: 1

MT PIF Code:



Species of Concern Data Report

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Report Date:
Tuesday, April 19, 2011

Species Occurrences

Species Occurrence Map Label:	193731	SO Number:	3
First Observation Date:		Acreage:	3,280,618
Last Observation Date:		SO Rank:	

Gulo gulo

[View Species Info in MT Field Guide](#)

Common Name: Wolverine

Description: Vertebrate Animal

Mapping Delineation:

Confirmed area of occupancy based on the documented presence of adults or juveniles within tracking regions containing core habitat for the species. Outer boundaries of tracking regions are defined by areas of forest cover on individual mountain ranges or clusters of adjacent mountain ranges with continuous forest cover.

Species Status

Natural Heritage Ranks:

State: S3
Global: G4

Federal Agency Status:

U.S. Fish & Wildlife Service: C
U.S. Forest Service: SENSITIVE
U.S. Bureau of Land Management: SENSITIVE

[Click for Status Help](#)

FWP CFWCS Tier: 2

MT PIF Code:

Species Occurrences

Species Occurrence Map Label:	158029	SO Number:	13
First Observation Date:	1894	Acreage:	2,903,533
Last Observation Date:	2005	SO Rank:	

Lynx canadensis

[View Species Info in MT Field Guide](#)

Common Name: Canada Lynx

Description: Vertebrate Animal

Mapping Delineation:

Confirmed area of occupancy based on the documented presence of adults or juveniles within tracking regions containing core habitat for the species. Outer boundaries of tracking regions are defined by areas of forest cover on individual mountain ranges or clusters of adjacent mountain ranges with continuous forest cover.

Species Status

Natural Heritage Ranks:

State: S3
Global: G5

Federal Agency Status:

U.S. Fish & Wildlife Service: LT
U.S. Forest Service: THREATENED
U.S. Bureau of Land Management: SPECIAL STATUS

[Click for Status Help](#)

FWP CFWCS Tier: 1

MT PIF Code:

Species Occurrences

Species Occurrence Map Label:	158003	SO Number:	10
First Observation Date:	1977	Acreage:	2,903,533
Last Observation Date:	2006	SO Rank:	



Species of Concern Data Report

Visit <http://mtnhp.org> for additional information.

Report Date:
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Discus shimekii

[View Species Info in MT Field Guide](#)

Common Name: Striate Disc

Description: Invertebrate Animal

Mapping Delineation:

Confirmed breeding area based on the presence of a resident animal of any age. Point observation location is buffered by a minimum distance of 100 meters in order to encompass the home range of the individual as well as adjacent habitat likely to support other individuals and otherwise is buffered by the locational uncertainty associated with the observation up to a maximum distance of 10,000 meters.

Species Status

Natural Heritage Ranks:

State: S1
 Global: G5

Federal Agency Status:

U.S. Fish & Wildlife Service:
 U.S. Forest Service:
 U.S. Bureau of Land Management:

[Click for Status Help](#)

FWP CFWCS Tier: 5

MT PIF Code:

Species Occurrences

Species Occurrence Map Label:	215502	SO Number:	561,605
First Observation Date:	1923-08-24	Acreage:	17
Last Observation Date:	1923-06-24	SO Rank:	

Adoxa moschatellina

[View Species Info in MT Field Guide](#)

Common Name: Musk-root

Description: Vascular Plant

Mapping Delineation:

Individual occurrences are generally based upon a discretely mapped area provided by an observer and are not separated by any pre-defined distance. Individual clusters of plants mapped at fine spatial scales (separated by less than approximately 25-50 meters) may be grouped together into one occurrence if they are not separated by distinct areas of habitat or terrain features. Point observations are buffered to encompass any locational uncertainty associated with the observation.

Species Status

Natural Heritage Ranks:

State: S3
 Global: G5

Federal Agency Status:

U.S. Fish & Wildlife Service:
 U.S. Forest Service: SENSITIVE
 U.S. Bureau of Land Management:

[Click for Status Help](#)

FWP CFWCS Tier:

MT PIF Code:

Species Occurrences

Species Occurrence Map Label:	16919	SO Number:	10
First Observation Date:	Jul 9 1998 12:00AM	Acreage:	497
Last Observation Date:	Jul 9 1998 12:00AM	SO Rank:	U



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Aquilegia brevistyla

[View Species Info in MT Field Guide](#)

Common Name: Short-styled Columbine

Description: Vascular Plant

Mapping Delineation:

Individual occurrences are generally based upon a discretely mapped area provided by an observer and are not separated by any pre-defined distance. Individual clusters of plants mapped at fine spatial scales (separated by less than approximately 25-50 meters) may be grouped together into one occurrence if they are not separated by distinct areas of habitat or terrain features. Point observations are buffered to encompass any locational uncertainty associated with the observation.

Species Status

Natural Heritage Ranks:

State: S2
 Global: G5

Federal Agency Status:

U.S. Fish & Wildlife Service:
 U.S. Forest Service: SENSITIVE
 U.S. Bureau of Land Management:

[Click for Status Help](#)

FWP CFWCS Tier:

MT PIF Code:

Species Occurrences

Species Occurrence Map Label: **44743**
First Observation Date: Jul 4 1967 12:00AM
Last Observation Date: Jul 4 1967 12:00AM

SO Number: 4
Acreage: 1,156
SO Rank: X?