MONTANA Natural Heritage Program

P.O. Box 201800 • 1515 East Sixth Avenue • Helena, MT 59620-1800 • fax 406.444.0266 • tel 406.444.5363 • http://mtnhp.org

October 15, 2021

Kathy Thompson
851 Bridger Drive
Suite 1
Bozeman, MT 59715

Dear Kathy Thompson,

Thank you for your request for Natural Heritage information for Pedestrian Bridge Fleshman and Yellowstone, located at Fleshman Creek at 45 40''07"N 110 32''27"W Yellowston River at 45 39''57"N 110 32''20"W. Included with this letter is an Environmental Summary report PDF and a companion Excel workbook summarizing information managed in the Montana Natural Heritage Program's (MTNHP) databases for: (1) species occurrences; (2) other observed species without Species Occurrences; (3) other species potentially present based on their range, presence of associated habitats, or predictive distribution model output if available; (4) structured surveys (organized efforts following a protocol capable of detecting one or more species); (5) land cover mapped as ecological systems; (6) wetland and riparian mapping; (7) land management categories; and (8) biological reports associated with plant and animal observations. The PDF report contains introductory materials and limitations associated with the use of each of these data types, a list of additional information resources, data use terms and conditions, and suggested contacts. The Excel workbook contains worksheets for each data type that can be easily sorted to summarize particular information needs. In addition to these materials, we have included a compilation of one page snapshots containing general description, habitat, spatial and temporal distribution, and conservation status information for each species listed in the species occurrence, other observed species, and other potential species sections of the Environmental Summary report. These three field guide compilations are excerpted from the full accounts found on the Montana Field Guide http://fieldguide.mt.gov for general reference use and, if desired, as appendices to environmental review documents.

Please keep in mind the following when using and interpreting the enclosed information:

(1) This information is intended for distribution or use only within your department, agency, or business. Please see the Data Use Terms and Conditions in the Environmental Summary report PDF for additional guidelines.

(2) Our minimum search area for standard information requests consists of the requested area buffered by an additional mile in order to capture records that may be immediately adjacent to the requested area. Please let us know if a buffer greater than 1 mile would be of use to your efforts.

(3) Additional information on animal, plant, and lichen species and ecological systems in Montana is available on the Montana Field Guide at http://fieldguide.mt.gov/

(4) In addition to the information you receive from us, we encourage you to contact state, federal, and tribal resource management agencies in the area where your project is located (see Environmental Summary report PDF).

In order to help us improve our services to you, we invite you to take a simple survey. The survey is intended to gather some basic information on the value and quality of the information and services you recently received from the Montana Natural Heritage Program. The survey is short and should not take more than a few minutes to complete. All information will be kept confidential and will be used internally to improve the delivery of services and to help document the value of our services. Use this link to go to the survey: http://www.surveymonkey.com/s/RYN8Y8L.

I hope the enclosed information is helpful to you. Please feel free to contact me at the phone or email address below if you have any questions, require additional information, or have suggestions for how we could improve our information resources.

Sincerely,

Bryce A. Maxell

Bryce A. Maxell
Montana Natural Heritage Program
(406) 444-3989
bmaxell@mt.gov

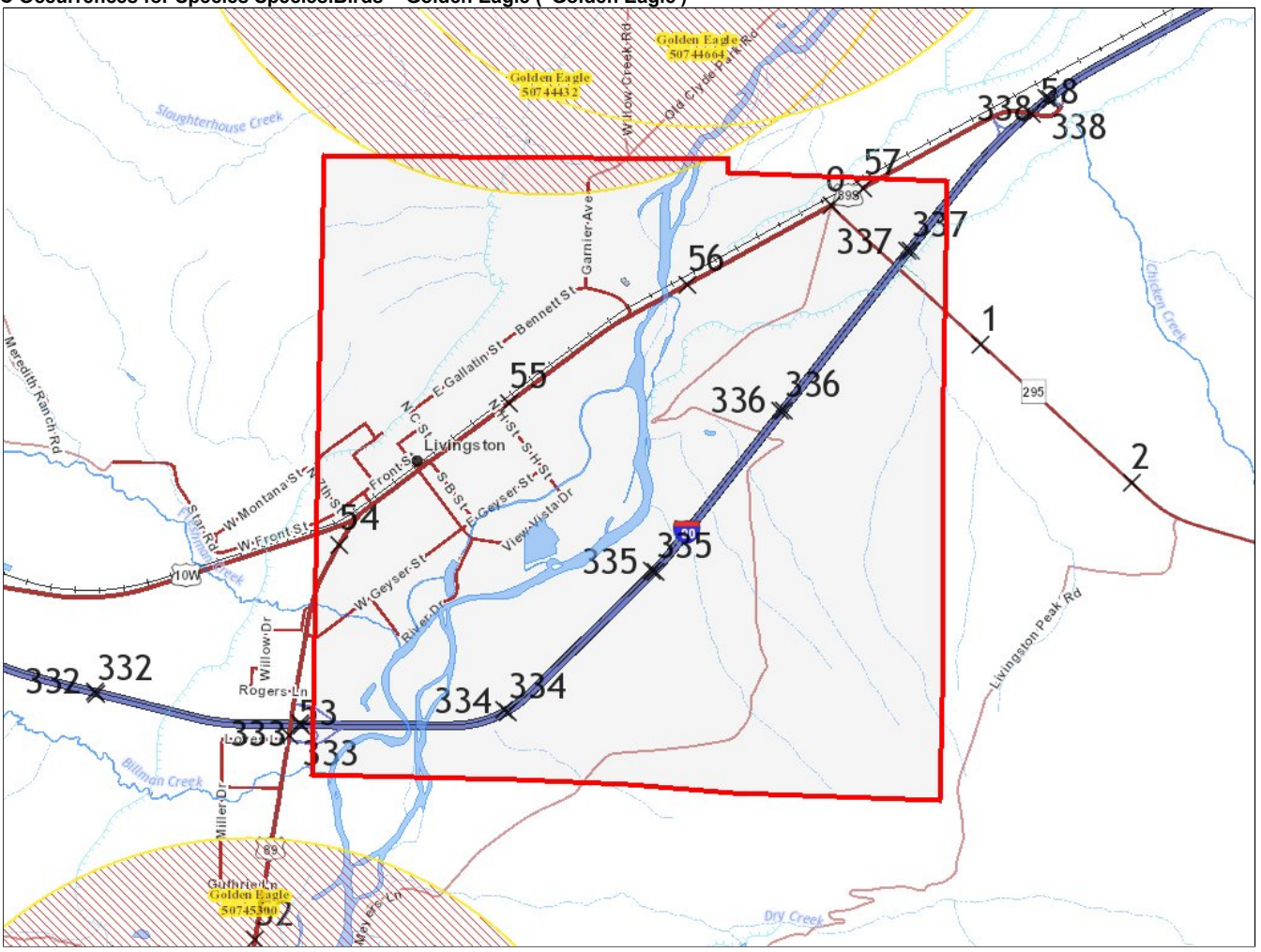
MONTANA Natural Heritage Program
A program of the Montana State Library's Natural Resource Information System operated by the University of Montana.

Latitude	Longitude
45.62608	-110.43768
45.69808	-110.64213

Montana SOC Occurrences Report

SOC Occurrences for Species Species.Birds = Golden Eagle ("Golden Eagle')

Report generated 10/15/2021 12:16:27 PM



Birds - Golden Eagle *(Aquila chrysaetos)*

SO Count: 3 **Obs Count**: 3 **Earliest Obs**: 2005 **Recent Obs**: 2012

Species of Concern
Native Species
Global Rank: G5
State Rank: S3

Agency Status
USFWS: BGEPA; MBTA
USFS:
BLM: SENSITIVE
FWP SWAP: SGCN3
PIF:

Delineation Criteria
Confirmed nesting area buffered by a minimum distance of 3,000 meters in order to be conservative about encompassing the entire breeding territory and area commonly used for renesting and otherwise buffered by the locational uncertainty associated with the observation up to a maximum distance of 10,000 meters.

Last Updated
Oct 06, 2021

SO ID: 50744432	**Acres**: 6,987	**Obs Count**: 1	**Earliest Obs**: 2012	**Recent Obs**: 2012
SO ID: 50744664	**Acres**: 6,987	**Obs Count**: 1	**Earliest Obs**: 2010	**Recent Obs**: 2010
SO ID: 50745300	**Acres**: 6,987	**Obs Count**: 1	**Earliest Obs**: 2005	**Recent Obs**: 2005

Citation for this report:
Montana SOC Occurrences Report
SOC Occurrences for Species Species.Birds = Golden Eagle ("Golden Eagle')
Within Lat/Long: (45.62608,-110.43768) to (45.69808,-110.64213)
Natural Heritage Map Viewer. Montana Natural Heritage Program.
Retrieved on October 15, 2021, from https://mtnhp.org/MapViewer/SOReport.aspx

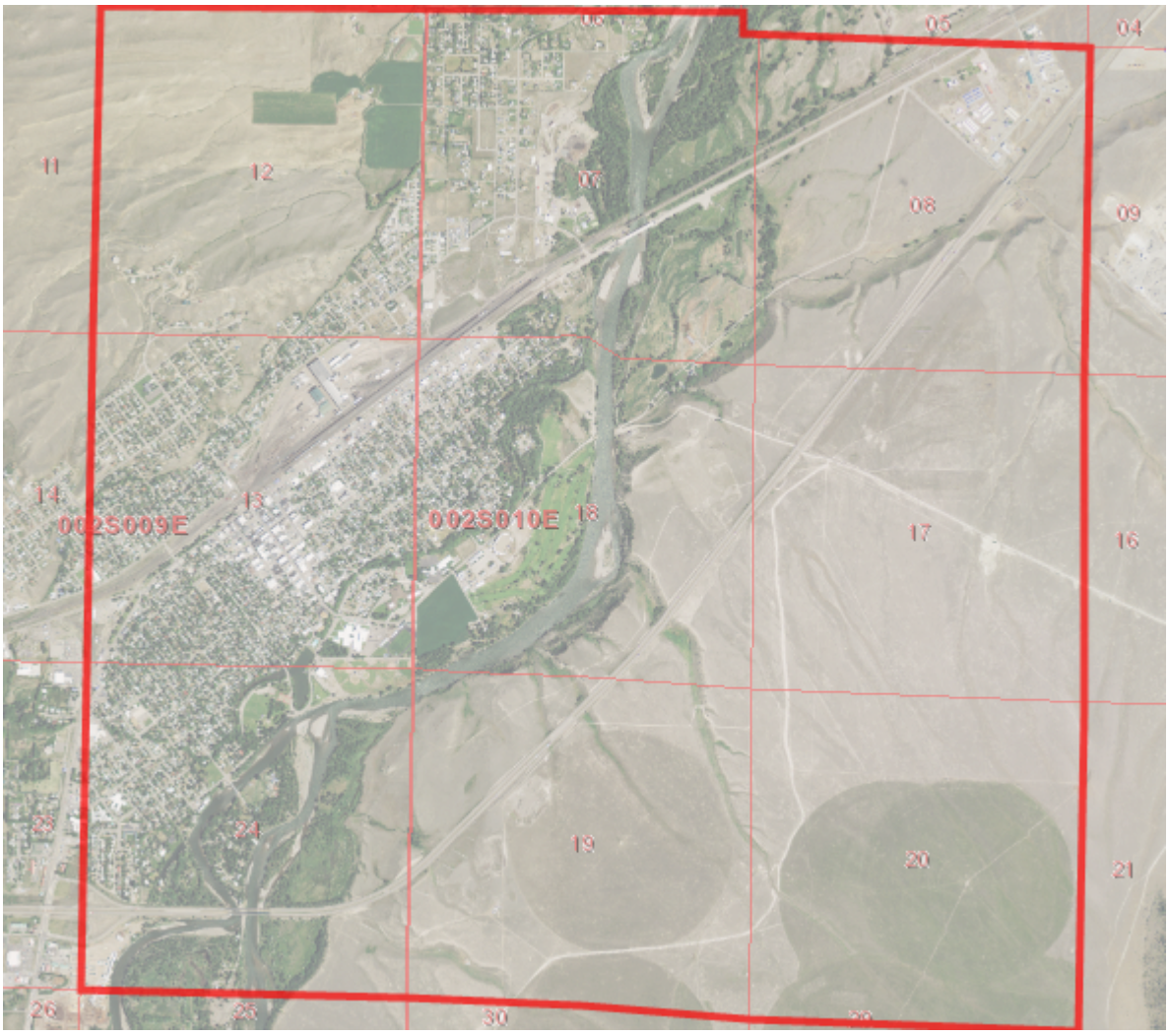
Environmental Summary

MONTANA
Natural Heritage Program

1515 East 6th Avenue
Helena, MT 59620
(406) 444-5363
mtnhp.org

Latitude	Longitude
45.63911	-110.50850
45.68513	-110.57141

Summarized by:
002S010E018
(Buffered PLSS Section)



Suggested Citation
Montana Natural Heritage Program. Environmental Summary Report.
for Latitude 45.63911 to 45.68513 and Longitude -110.50850 to -110.57141. Retrieved on 10/15/2021.

The Montana Natural Heritage Program is part of the Montana State Library's Natural Resource Information System. Since 1985, it has served as a neutral and non-regulatory provider of easily accessible information on Montana's species and biological communities to inform all stakeholders in environmental review, permitting, and planning processes. The program is part of NatureServe, a network of over 80 similar programs in states, provinces, and nations throughout the Western Hemisphere, working to provide current and comprehensive distribution and status information on species and biological communities.

Montana Natural Heritage Program | Montana State Library | NatureServe

Table of Contents

Introduction to Environmental Summary Report

Environmental Summary Reports from the Montana Natural Heritage Program (MTNHP) provide information on species and biological communities to inform all stakeholders in environmental review, permitting, and planning processes. For information on environmental permits in Montana, please see permitting overviews by the Montana Department of Environmental Quality, the Montana Department of Natural Resources and Conservation, the Index of Environmental Permits for Montana and our Suggested Contacts for Natural Resource Management Agencies. The report for your area of interest consists of introductory and related materials in this PDF and an Excel workbook with worksheets summarizing information managed in the MTNHP databases for: (1) species occurrences; (2) other observed species without species occurrences; (3) other species potentially present based on their range, presence of associated habitats, or predictive distribution model output if available; (4) structured surveys that follow a protocol capable of detecting one or more species; (5) land cover mapped as ecological systems; (6) wetland and riparian mapping; (7) land management categories; and (8) biological reports associated with plant and animal observations. If your area of interest corresponds to a statewide polygon layer (e.g., watersheds, counties, or public land survey sections) information summaries in your report will exactly match those boundaries. However, if your report is for a custom area, users should be aware that summaries do not correspond to the exact boundaries of the polygon they have specified, but instead are a summary across a layer of hexagons intersected by the polygon they specified as shown on the report cover. Summarizing by these hexagons which are one square mile in area and approximately one kilometer in length on each side allows for consistent and rapid delivery of summaries based on a uniform grid that has been used for planning efforts across the western United States (e.g., Western Association of Fish and Wildlife Agencies - Crucial Habitat Assessment Tool).

In presenting this information, MTNHP is working towards assisting the user with rapidly assessing the known or potential species and biological communities, land management categories, and biological reports associated with the report area. Users are reminded that this information is likely incomplete and may be inaccurate as surveys to document species are lacking in many areas of the state, species' range polygons often include regions of unsuitable habitat, methods of predicting the presence of species or communities are constantly improving, and information is constantly being added and updated in our databases. **Field verification by professional biologists of the absence or presence of species and biological communities in a report area will always be an important obligation of users of our data. Users are encouraged to only use this environmental summary report as a starting point for more in depth analyses and are encouraged to contact state, federal, and tribal resource management agencies for additional data or management guidelines relevant to your efforts. Please see the Appendix for introductory materials to each section of the report, additional information resources, and a list of relevant agency contacts.**

MONTANA Natural Heritage Program
A program of the **Montana State Library's Natural Resource Information System**

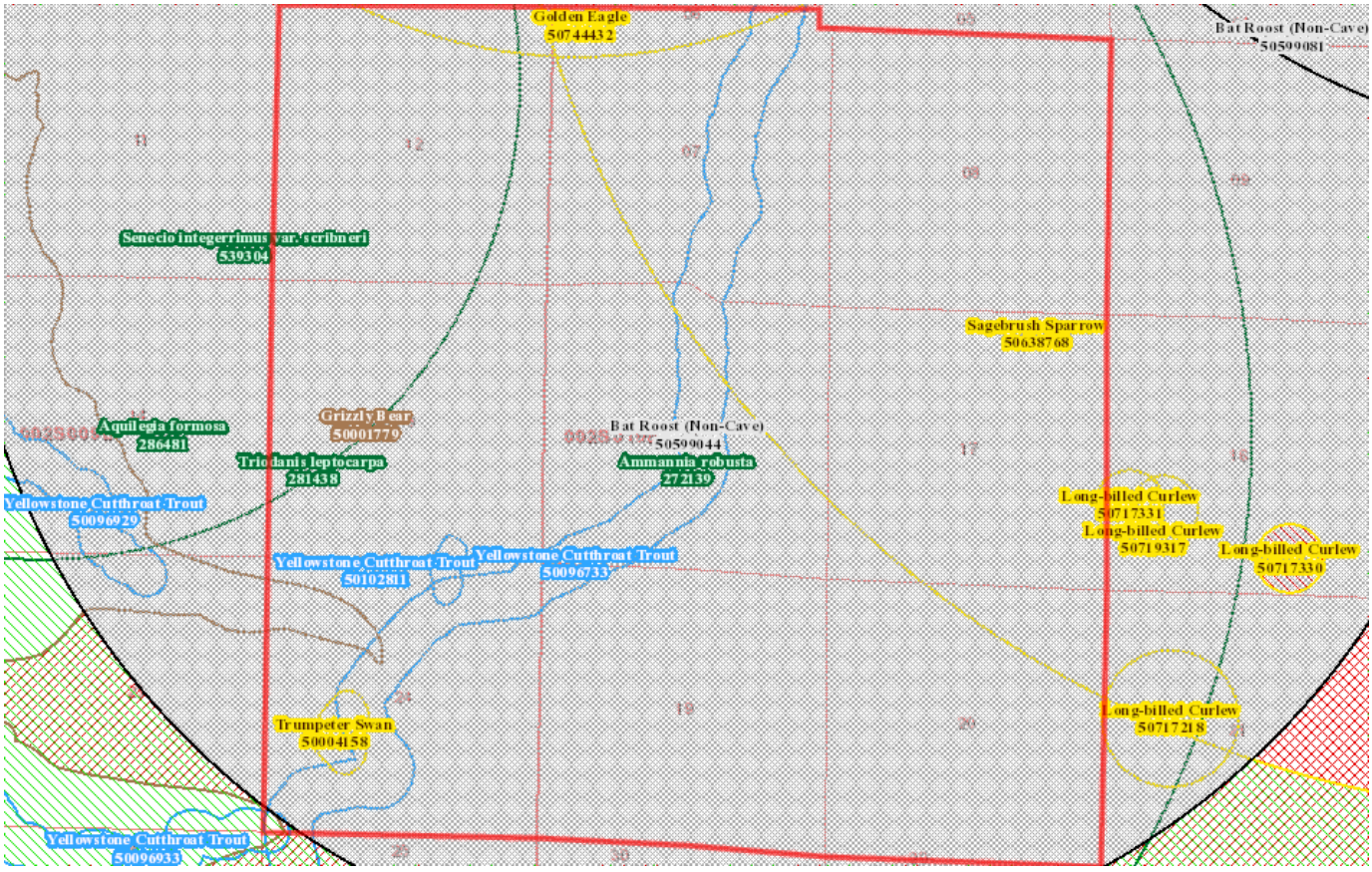
Legend

Model Icons	Habitat Icons	Range Icons	Num Obs
N Suitable (native range)	C Common	I Introduced	Count of obs with 'good precision' (<=1000m)
O Optimal Suitability	O Occasional	Y Year-round	+ indicates additional 'poor precision' obs (1001m-10,000m)
M Moderate Suitability		S Summer	
L Low Suitability		W Winter	
I Suitable (introduced range)		M Migratory	
		H Historic	

Latitude	Longitude
45.63911	-110.50850
45.68513	-110.57141

Native Species

Summarized by: **002S010E018** *(Buffered PLSS Section)*
Filtered by:
MT_Status='Species of Concern', 'Special Status', 'Important Animal Habitat', 'Potential SOC'



Species Occurrences

	USFWS Sec7	# SO	# Obs	Predictive Model	Associated Habitat	Range
V - Ammannia robusta *(Scarlet Ammannia)* SOC		1				Y

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G5** State: **S2** MNPS: **2**

Delineation Criteria 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. (Last Updated: Sep 06, 2017)

Predictive Models: N 100% Suitable (native range) (deductive) **Associated Habitats:** C 1% Common

F - Yellowstone Cutthroat Trout *(Oncorhynchus clarkii bouvieri)* SOC		3	3		Not Assigned	Y

View in Field Guide | View Predicted Models | View Range Maps

Species of Concern - Native/Non-native Species - (depends on location or taxa) Global: **G5T4** State: **S2** USFS: **Sensitive - Known on Forests (CG)**
BLM: **SENSITIVE** FWP SWAP: **SGCN2**

Delineation Criteria 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. (Last Updated: May 08, 2015)

Predictive Models: N 64% Suitable (native range) (deductive)

B - Golden Eagle *(Aquila chrysaetos)* SOC		1	4			Y

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G5** State: **S3** USFWS: **BGEPA; MBTA** BLM: **SENSITIVE** FWP SWAP: **SGCN3**

Delineation Criteria Confirmed nesting area buffered by a minimum distance of 3,000 meters in order to be conservative about encompassing the entire breeding territory and area commonly used for renesting and otherwise buffered by the locational uncertainty associated with the observation up to a maximum distance of 10,000 meters. (Last Updated: Oct 06, 2021)

Predictive Models: M 98% Moderate (inductive), L 2% Low (inductive) **Associated Habitats:** C 51% Common, O 1% Occasional

B - Long-billed Curlew *(Numenius americanus)* SOC		2	4		S	M

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G5** State: **S3B** USFWS: **MBTA; BCC11** BLM: **SENSITIVE** FWP SWAP: **SGCN3** PIF: **2**

Delineation Criteria Confirmed breeding area based on the presence of a nest, chicks, or territorial adults during the breeding season. Point observation location is buffered by a minimum distance of 200 meters in order to approximate the breeding territory size reported for the species in Idaho and otherwise is buffered by the locational uncertainty associated with the observation up to a maximum distance of 10,000 meters. (Last Updated: Oct 06, 2021)

Predictive Models: M 60% Moderate (inductive), L 40% Low (inductive) **Associated Habitats:** C 40% Common, O 11% Occasional

B - Trumpeter Swan *(Cygnus buccinator)* SOC		1	21			Y S W M

View in Field Guide View Predicted Models View Associated Habitat View Range Maps

Species of Concern - Native Species Global: **G4** State: **S3** USFWS: **MBTA** USFS: **Sensitive - Known on Forests (BD, CG)** BLM: **SENSITIVE** FWP SWAP: **SGCN3** PIF: **1**

Delineation Criteria Standing water bodies with confirmed nesting areas buffered by 100 meters in order to reflect importance of adjacent terrestrial habitats to breeding success. (Last Updated: Aug 06, 2021)

Predictive Models: M 7% Moderate (inductive), L 93% Low (inductive) **Associated Habitats:** C 14% Common

M - Grizzly Bear *(Ursus arctos)* SOC | 1 | Y

View in Field Guide View Predicted Models View Associated Habitat View Range Maps

Species of Concern - Native Species Global: **G4** State: **S2S3** USFWS: **PS: LT; XN** USFS: **Threatened on Forests (BD, CG, HLC, KOOT, LOLO)** BLM: **THREATENED** FWP SWAP: **SGCN2-3**

Delineation Criteria Species Occurrence polygons represent areas delineated by the U.S. Fish and Wildlife Service (USFWS) that encompass both home ranges and potential transitory movements based on verified sightings. Within these areas, the USFWS wants project proponents to consider whether the species â€œmay be presentâ€ when evaluating the potential impacts of a project and to work with the USFWS to develop and implement best management practices to minimize or eliminate project effects on the species. (Last Updated: Oct 06, 2021)

Predictive Models: L 34% Low (inductive) **Associated Habitats:** C 52% Common, O 10% Occasional

V - Triodanis leptocarpa *(Slim-pod Venus'-looking-glass)* SOC | 1 | Not Assigned | Y

View in Field Guide View Predicted Models View Range Maps

Species of Concern - Native Species Global: **G5?** State: **S3** MNPS: **3**

Predictive Models: L 3% Low (inductive)

V - Senecio integerrimus var. scribneri *(Scribner's Ragwort)* SOC | 1 | Not Available | Y

View in Field Guide View Associated Habitat View Range Maps

Species of Concern - Native Species Global: **G5T2T3** State: **S2S3** MNPS: **3**

Associated Habitats: C 9% Common

B - Sagebrush Sparrow *(Artemisiospiza nevadensis)* SOC | 1 | Not Available | S | M

View in Field Guide View Associated Habitat View Range Maps

Species of Concern - Native Species Global: **G5** State: **S3B** USFWS: **MBTA** BLM: **SENSITIVE** FWP SWAP: **SGCN3**

Delineation Criteria Confirmed breeding area based on the presence of a nest, chicks, or territorial adults during the breeding season. Point observation location is buffered by a minimum distance of 125 meters in order to encompass the majority of breeding territory sizes reported for the species and otherwise is buffered by the locational uncertainty associated with the observation up to a maximum distance of 10,000 meters. (Last Updated: Apr 01, 2020)

Associated Habitats: C 9% Common

V - Aquilegia formosa *(Sitka Columbine)* SOC | 1 | Not Available

View in Field Guide View Associated Habitat

Species of Concern - Native Species Global: **G5** State: **S3** MNPS: **3**

Delineation Criteria 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. (Last Updated: Apr 06, 2021)

Associated Habitats: C 1% Common

O - Bat Roost (Non-Cave) *(Bat Roost (Non-Cave))* IAH | 1 | Not Available | Not Assigned

View in Field Guide

Important Animal Habitat - Native Species Global: **GNR** State: **SNR**

Delineation Criteria Confirmed area of occupancy based on the documented presence of adults or juveniles of any bat species at non-cave natural roost sites (e.g. rock outcrops, trees), below ground human created roost sites (e.g. mines), and above ground human created roost sites (e.g., bridges, buildings). Point observation locations are buffered by a distance of 4,500 meters in order to encompass the 95% confidence interval for nightly foraging distance reported for Townsendâ€™s Big-eared Bat (a resident Montana bat Species of Concern) and otherwise by the locational uncertainty associated with the observation up to a maximum distance of 10,000 meters. (Last Updated: Oct 22, 2019)

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Legend

Model Icons	Habitat Icons	Range Icons	Num Obs
N Suitable (native range)	C Common	I Introduced	Count of obs with 'good precision' (<=1000m)
O Optimal Suitability	O Occasional	Y Year-round	+ indicates additional 'poor precision' obs (1001m-10,000m)
M Moderate Suitability		S Summer	
L Low Suitability		W Winter	
I Suitable (introduced range)		M Migratory	
		H Historic	

Latitude	Longitude
45.63911	-110.50850
45.68513	-110.57141

Native Species

Summarized by: **002S010E018** *(Buffered PLSS Section)*
Filtered by:
MT_Status='Species of Concern', 'Special Status', 'Important Animal Habitat', 'Potential SOC'

Other Observed Species

	USFWS Sec7	# Obs	Predictive Model	Associated Habitat	Range
B - Pinyon Jay *(Gymnorhinus cyanocephalus)* SOC		1			Y
B - Bald Eagle *(Haliaeetus leucocephalus)* SSS		13			Y
B - Green-tailed Towhee *(Pipilo chlorurus)* SOC		1			S M
B - Veery *(Catharus fuscescens)* SOC		1			S M
B - Great Blue Heron *(Ardea herodias)* SOC		2			Y S M
B - Hooded Merganser *(Lophodytes cucullatus)* PSOC		1			Y M
B - Barrow's Goldeneye *(Bucephala islandica)* PSOC		1			Y W M
B - Cassin's Finch *(Haemorhous cassinii)* SOC		11			Y
B - Bobolink *(Dolichonyx oryzivorus)* SOC		1			S M
B - Evening Grosbeak *(Coccothraustes vespertinus)* SOC		4			Y W M
B - McCown's Longspur *(Rhynchophanes mccownii)* SOC		2			S M
B - Brown Creeper *(Certhia americana)* SOC		1			Y
B - Tennessee Warbler *(Leiothlypis peregrina)* PSOC		1	Not Available		M
B - Mountain Plover *(Charadrius montanus)* SOC		1	Not Available		S M

Pinyon Jay *(Gymnorhinus cyanocephalus)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G3** State: **S3** USFWS: **MBTA; BCC10; BCC17** FWP SWAP: **SGCN3**

Predictive Models: O 71% Optimal (inductive), M 29% Moderate (inductive) **Associated Habitats:** C 11% Common, O 8% Occasional

Bald Eagle *(Haliaeetus leucocephalus)* SSS

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Special Status Species - Native Species Global: **G5** State: **S4** USFWS: **DM; BGEPA; MBTA** USFS: **Sensitive - Known on Forests (BD, BRT, CG, HLC, KOOT, LOLO)** BLM: **SENSITIVE** PIF: **2**

Predictive Models: O 18% Optimal (inductive), M 45% Moderate (inductive), L 34% Low (inductive) **Associated Habitats:** C 14% Common, O 40% Occasional

Green-tailed Towhee *(Pipilo chlorurus)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G5** State: **S3B** USFWS: **MBTA** FWP SWAP: **SGCN3** PIF: **3**

Predictive Models: M 86% Moderate (inductive), L 14% Low (inductive) **Associated Habitats:** C 62% Common, O 1% Occasional

Veery *(Catharus fuscescens)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G5** State: **S3B** USFWS: **MBTA** BLM: **SENSITIVE** FWP SWAP: **SGCN3** PIF: **2**

Predictive Models: M 64% Moderate (inductive), L 36% Low (inductive) **Associated Habitats:** C 11% Common, O 1% Occasional

Great Blue Heron *(Ardea herodias)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G5** State: **S3** USFWS: **MBTA** FWP SWAP: **SGCN3**

Predictive Models: M 52% Moderate (inductive), L 47% Low (inductive) **Associated Habitats:** C 11% Common

Hooded Merganser *(Lophodytes cucullatus)* PSOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Potential Species of Concern - Native Species Global: **G5** State: **S4** USFWS: **MBTA** FWP SWAP: **SGIN** PIF: **2**

Predictive Models: M 41% Moderate (inductive), L 15% Low (inductive) **Associated Habitats:** C 14% Common, O 1% Occasional

Barrow's Goldeneye *(Bucephala islandica)* PSOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Potential Species of Concern - Native Species Global: **G5** State: **S4** USFWS: **MBTA** FWP SWAP: **SGIN** PIF: **2**

Predictive Models: M 7% Moderate (inductive), L 83% Low (inductive) **Associated Habitats:** C 14% Common

Cassin's Finch *(Haemorhous cassinii)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G5** State: **S3** USFWS: **MBTA; BCC10** FWP SWAP: **SGCN3** PIF: **3**

Predictive Models: M 7% Moderate (inductive), L 72% Low (inductive) **Associated Habitats:** C 1% Common

Bobolink *(Dolichonyx oryzivorus)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G5** State: **S3B** USFWS: **MBTA; BCC10; BCC11; BCC17** FWP SWAP: **SGCN3** PIF: **3**

Predictive Models: M 1% Moderate (inductive), L 49% Low (inductive) **Associated Habitats:** C 51% Common, O 1% Occasional

Evening Grosbeak *(Coccothraustes vespertinus)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G5** State: **S3** USFWS: **MBTA; BCC10** FWP SWAP: **SGCN3**

Predictive Models: L 68% Low (inductive) **Associated Habitats:** C 21% Common, O 2% Occasional

McCown's Longspur *(Rhynchophanes mccownii)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G4** State: **S3B** USFWS: **MBTA; BCC10; BCC11; BCC17** BLM: **SENSITIVE** FWP SWAP: **SGCN3** PIF: **2**

Predictive Models: L 36% Low (inductive) **Associated Habitats:** C 1% Common, O 50% Occasional

Brown Creeper *(Certhia americana)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G5** State: **S3** USFWS: **MBTA** FWP SWAP: **SGCN3** PIF: **1**

Predictive Models: L 9% Low (inductive) **Associated Habitats:** C 1% Common, O 1% Occasional

Tennessee Warbler *(Leiothlypis peregrina)* PSOC

View in Field Guide | View Associated Habitat | View Range Maps

Potential Species of Concern - Native Species Global: **G5** State: **S3S4B** USFWS: **MBTA**

Associated Habitats: C 11% Common

Mountain Plover *(Charadrius montanus)* SOC

View in Field Guide View Associated Habitat View Range Maps
Species of Concern - Native Species Global: **G3** State: **S2B** USFWS: **MBTA; BCC10; BCC11; BCC17** BLM: **SENSITIVE** FWP SWAP: **SGCN2** PIF: **1**
Associated Habitats: C 9% Common, O 39% Occasional

B - Horned Grebe *(Podiceps auritus)* SOC — 1 — Not Available — M

View in Field Guide View Associated Habitat View Range Maps
Species of Concern - Native Species Global: **G5** State: **S3B** USFWS: **MBTA** BLM: **SENSITIVE** FWP SWAP: **SGCN3** PIF: **2**
Associated Habitats: C 3% Common, O 1% Occasional

B - American White Pelican *(Pelecanus erythrorhynchos)* SOC — 5 — Not Available — M

View in Field Guide View Associated Habitat View Range Maps
Species of Concern - Native Species Global: **G4** State: **S3B** USFWS: **MBTA** FWP SWAP: **SGCN3** PIF: **3**
Associated Habitats: C 3% Common

B - Common Loon *(Gavia immer)* SOC — 4 — Not Available — M

View in Field Guide View Associated Habitat View Range Maps
Species of Concern - Native Species Global: **G5** State: **S3B** USFWS: **MBTA** USFS: **Sensitive - Known on Forests (KOOT, LOLO)** FWP SWAP: **SGCN3** PIF: **1**
Associated Habitats: C 3% Common

B - Gray-crowned Rosy-Finch *(Leucosticte tephrocotis)* SOC — 1 — Not Available — WM

View in Field Guide View Associated Habitat View Range Maps
Species of Concern - Native Species Global: **G5** State: **S2** USFWS: **MBTA** FWP SWAP: **SGCN2, SGIN**
Associated Habitats: C 1% Common

F - Westslope Cutthroat Trout *(Oncorhynchus clarkii lewisi)* SOC — 1 — Not Available — Not Assigned — I

View in Field Guide View Range Maps
Species of Concern - Native/Non-native Species - (depends on location or taxa) Global: **G5T4** State: **S2**
USFS: **Sensitive - Known on Forests (BD, BRT, CG, HLC, KOOT, LOLO)** BLM: **SENSITIVE** FWP SWAP: **SGCN2**

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Legend

Model Icons	Habitat Icons	Range Icons	Num Obs
N Suitable (native range)	C Common	I Introduced	Count of obs with 'good precision' (<=1000m)
O Optimal Suitability	O Occasional	Y Year-round	+ indicates additional 'poor precision' obs (1001m-10,000m)
M Moderate Suitability		S Summer	
L Low Suitability		W Winter	
I Suitable (introduced range)		M Migratory	
		H Historic	

Latitude	Longitude
45.63911	-110.50850
45.68513	-110.57141

Native Species

Summarized by: **002S010E018** *(Buffered PLSS Section)*
Filtered by:
MT_Status='Species of Concern', 'Special Status', 'Important Animal Habitat', 'Potential SOC'

Other Potential Species

M - Spotted Bat *(Euderma maculatum)* SOC — USFWS Sec7 | Predictive Model | Associated Habitat | Range: S M

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G4** State: **S3** USFS: **Sensitive - Known on Forests (BD, CG)** BLM: **SENSITIVE** FWP SWAP: **SGCN3, SGIN**
Predictive Models: O 51% Optimal (inductive), M 46% Moderate (inductive), L 3% Low (inductive) **Associated Habitats:** C 65% Common, O 10% Occasional

M - Western Spotted Skunk *(Spilogale gracilis)* PSOC — Range: Y

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
Potential Species of Concern - Native Species Global: **G5** State: **SNR** FWP SWAP: **SGIN**
Predictive Models: O 42% Optimal (inductive), M 58% Moderate (inductive) **Associated Habitats:** C 59% Common, O 8% Occasional

V - Castilleja gracillima *(Slender Indian Paintbrush)* SOC — Range: Y

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G3G4** State: **S2** MNPS: **3**
Predictive Models: O 28% Optimal (inductive), M 28% Moderate (inductive), L 44% Low (inductive) **Associated Habitats:** O 2% Occasional

V - Dichanthelium acuminatum *(Panic Grass)* SOC — Associated Habitat: Not Assigned | Range: Y

View in Field Guide | View Predicted Models | View Range Maps
Species of Concern - Native Species Global: **G5** State: **S2S3** MNPS: **2**
Predictive Models: O 18% Optimal (inductive), M 67% Moderate (inductive), L 15% Low (inductive)

R - Western Milksnake *(Lampropeltis gentilis)* SOC — Range: Y

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G5** State: **S2** USFS: **Sensitive - Known on Forests (CG)** BLM: **SENSITIVE** FWP SWAP: **SGCN2**
Predictive Models: O 11% Optimal (inductive), M 67% Moderate (inductive), L 22% Low (inductive) **Associated Habitats:** C 48% Common, O 10% Occasional

V - Lilium philadelphicum *(Wood Lily)* SOC — Associated Habitat: Not Assigned | Range: Y

View in Field Guide | View Predicted Models | View Range Maps
Species of Concern - Native Species Global: **G5** State: **S3** MNPS: **3**
Predictive Models: O 4% Optimal (inductive), M 16% Moderate (inductive), L 35% Low (inductive)

V - Erigeron flabellifolius *(Fan-leaved Fleabane)* SOC — Associated Habitat: Not Assigned | Range: Y

View in Field Guide | View Predicted Models | View Range Maps
Species of Concern - Native Species Global: **G3** State: **S3** MNPS: **3**
Predictive Models: O 3% Optimal (inductive), L 22% Low (inductive)

M - Merriam's Shrew *(Sorex merriami)* SOC — Range: Y

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G4** State: **S3** FWP SWAP: **SGCN3**
Predictive Models: M 100% Moderate (inductive) **Associated Habitats:** C 53% Common

M - Hoary Bat *(Lasiurus cinereus)* SOC — Range: S M

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G3G4** State: **S3** BLM: **SENSITIVE** FWP SWAP: **SGCN3**
Predictive Models: M 91% Moderate (inductive), L 9% Low (inductive) **Associated Habitats:** C 65% Common, O 24% Occasional

M - Little Brown Myotis *(Myotis lucifugus)* SOC — Range: Y

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G3** State: **S3** FWP SWAP: **SGCN3**
Predictive Models: M 90% Moderate (inductive), L 10% Low (inductive) **Associated Habitats:** C 73% Common, O 27% Occasional

M - Long-legged Myotis *(Myotis volans)* SOC — Range: Y

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G4G5** State: **S3**
Predictive Models: M 90% Moderate (inductive), L 10% Low (inductive) **Associated Habitats:** C 62% Common, O 26% Occasional

M - Townsend's Big-eared Bat *(Corynorhinus townsendii)* SOC — Range: Y

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G4** State: **S3** USFS: **Sensitive - Known on Forests (BD, BRT, CG, HLC, KOOT, LOLO)** BLM: **SENSITIVE** FWP SWAP: **SGCN3**
Predictive Models: M 89% Moderate (inductive), L 11% Low (inductive) **Associated Habitats:** C 62% Common, O 12% Occasional

M - Silver-haired Bat *(Lasionycteris noctivagans)* PSOC — Range: Y

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
Potential Species of Concern - Native Species Global: **G3G4** State: **S4**
Predictive Models: M 78% Moderate (inductive), L 22% Low (inductive) **Associated Habitats:** C 65% Common, O 15% Occasional

V - Eleocharis rostellata *(Beaked Spikerush)* SOC — Associated Habitat: Not Assigned | Range: Y

View in Field Guide | View Predicted Models | View Range Maps

USFS: **Sensitive - Known on Forests (BD, CG, HLC)**

Species of Concern - Native Species Global: **G5** State: **S3** **Species of Conservation Concern on Forests (FLAT)** MNPS: **2**

Predictive Models: M 70% Moderate (inductive), L 30% Low (inductive)

V - Potentilla plattensis *(Platte Cinquefoil)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G4** State: **S3** MNPS: **4**

Predictive Models: M 69% Moderate (inductive), L 31% Low (inductive) **Associated Habitats:** C 2% Common

V - Carex crawei *(Crawe's Sedge)* SOC Not Assigned

View in Field Guide | View Predicted Models | View Range Maps

Species of Concern - Native Species Global: **G5** State: **S2S3** MNPS: **3**

Predictive Models: M 69% Moderate (inductive), L 31% Low (inductive)

M - Long-eared Myotis *(Myotis evotis)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G5** State: **S3**

Predictive Models: M 67% Moderate (inductive), L 33% Low (inductive) **Associated Habitats:** C 65% Common, O 23% Occasional

M - Dwarf Shrew *(Sorex nanus)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G4** State: **S2S3** FWP SWAP: **SGCN2-3**

Predictive Models: M 57% Moderate (inductive), L 43% Low (inductive) **Associated Habitats:** C 10% Common, O 43% Occasional

V - Draba densifolia *(Dense-leaf Draba)* SOC Not Assigned

View in Field Guide | View Predicted Models | View Range Maps

Species of Concern - Native Species Global: **G5** State: **S2** MNPS: **2**

Predictive Models: M 56% Moderate (inductive), L 3% Low (inductive)

V - Ranunculus hyperboreus *(High Northern Buttercup)* PSOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Potential Species of Concern - Native Species Global: **G5** State: **S3S4**

Predictive Models: M 53% Moderate (inductive), L 47% Low (inductive) **Associated Habitats:** C 1% Common

M - Uinta Ground Squirrel *(Urocitellus armatus)* PSOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Potential Species of Concern - Native Species Global: **G5** State: **S3S4** FWP SWAP: **SGIN**

Predictive Models: M 53% Moderate (inductive), L 44% Low (inductive) **Associated Habitats:** C 18% Common

M - Fringed Myotis *(Myotis thysanodes)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G4** State: **S3** BLM: **SENSITIVE** FWP SWAP: **SGCN3**

Predictive Models: M 51% Moderate (inductive), L 49% Low (inductive) **Associated Habitats:** C 62% Common, O 26% Occasional

M - North American Porcupine *(Erethizon dorsatum)* PSOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Potential Species of Concern - Native Species Global: **G5** State: **S3S4** FWP SWAP: **SGIN**

Predictive Models: M 42% Moderate (inductive), L 58% Low (inductive) **Associated Habitats:** C 69% Common

B - Lewis's Woodpecker *(Melanerpes lewis)* SOC S M

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G4** State: **S2B** USFWS: **MBTA; BCC10; BCC17** BLM: **SENSITIVE** FWP SWAP: **SGCN2** PIF: **2**

Predictive Models: M 39% Moderate (inductive), L 61% Low (inductive) **Associated Habitats:** O 11% Occasional

B - Yellow-billed Cuckoo *(Coccyzus americanus)* SOC S M

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G5** State: **S3B** USFWS: **PS: LT; MBTA** USFS: **Threatened on Forests (BRT, LOLO)** BLM: **THREATENED** FWP SWAP: **SGCN3, SGIN** PIF: **2**

Predictive Models: M 39% Moderate (inductive), L 51% Low (inductive) **Associated Habitats:** C 11% Common

M - Preble's Shrew *(Sorex preblei)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G4** State: **S3** FWP SWAP: **SGCN3**

Predictive Models: M 33% Moderate (inductive), L 67% Low (inductive) **Associated Habitats:** C 57% Common

B - Clark's Nutcracker *(Nucifraga columbiana)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G5** State: **S3** USFWS: **MBTA** USFS: **Species of Conservation Concern on Forests (FLAT)** FWP SWAP: **SGCN3** PIF: **3**

Predictive Models: M 32% Moderate (inductive), L 68% Low (inductive) **Associated Habitats:** C 13% Common

V - Grayia spinosa *(Spiny Hopsage)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G5** State: **S2** MNPS: **2**

Predictive Models: M 29% Moderate (inductive), L 16% Low (inductive) **Associated Habitats:** C 7% Common

B - Broad-tailed Hummingbird *(Selasphorus platycercus)* PSOC S M

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Potential Species of Concern - Native Species Global: **G5** State: **S4B** USFWS: **MBTA; BCC10** FWP SWAP: **SGIN**

Predictive Models: M 29% Moderate (inductive), L 11% Low (inductive) **Associated Habitats:** C 21% Common, O 48% Occasional

M - North American Water Vole *(Microtus richardsoni)* PSOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Potential Species of Concern - Native Species Global: **G5** State: **S4**

Predictive Models: M 29% Moderate (inductive), L 3% Low (inductive) **Associated Habitats:** C 5% Common

B - Brewer's Sparrow *(Spizella breweri)* SOC S M

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G5** State: **S3B** USFWS: **MBTA** BLM: **SENSITIVE** FWP SWAP: **SGCN3** PIF: **2**
Predictive Models: M 21% Moderate (inductive), L 79% Low (inductive) **Associated Habitats:** C 9% Common

V - Erigeron parryi *(Parry's Fleabane)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G2G3** State: **S2S3** MNPS: **3**
Predictive Models: M 21% Moderate (inductive), L 38% Low (inductive) **Associated Habitats:** C 40% Common

A - Northern Leopard Frog *(Lithobates pipiens)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
USFS: **Sensitive - Known on Forests (CG, HLC, KOOT)**
Species of Concern - Native Species Global: **G5** State: **S1,S4** **Sensitive - Suspected on Forests (BRT, LOLO)** BLM: **SENSITIVE** FWP SWAP: **SGCN1**
Predictive Models: M 18% Moderate (inductive), L 81% Low (inductive) **Associated Habitats:** C 3% Common, O 11% Occasional

V - Stipa lettermanii *(Letterman's Needlegrass)* SOC Not Assigned

View in Field Guide | View Predicted Models | View Range Maps
Species of Concern - Native Species Global: **G5** State: **S1S3** MNPS: **3**
Predictive Models: M 18% Moderate (inductive), L 35% Low (inductive)

B - Meesia triquetra *(Meesia Moss)* SOC Not Assigned

View in Field Guide | View Predicted Models | View Range Maps
USFS: **Sensitive - Known on Forests (BRT, CG, KOOT)**
Sensitive - Suspected on Forests (LOLO)
Species of Concern - Native Species Global: **G5** State: **S2** **Species of Conservation Concern on Forests (FLAT)**
Predictive Models: M 17% Moderate (inductive), L 73% Low (inductive)

V - Stellaria crassifolia *(Fleshy Stitchwort)* SOC Not Assigned

View in Field Guide | View Predicted Models | View Range Maps
Species of Concern - Native Species Global: **G5** State: **S2** MNPS: **3**
Predictive Models: M 17% Moderate (inductive), L 67% Low (inductive)

R - Greater Short-horned Lizard *(Phrynosoma hernandesi)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
USFS: **Sensitive - Known on Forests (CG)**
Species of Concern - Native Species Global: **G5** State: **S3** **Sensitive - Suspected on Forests (HLC)** BLM: **SENSITIVE** FWP SWAP: **SGCN3, SGIN**
Predictive Models: M 11% Moderate (inductive), L 89% Low (inductive) **Associated Habitats:** C 48% Common, O 1% Occasional

B - Sage Thrasher *(Oreoscoptes montanus)* SOC S M

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G4** State: **S3B** USFWS: **MBTA** BLM: **SENSITIVE** FWP SWAP: **SGCN3** PIF: **3**
Predictive Models: M 5% Moderate (inductive), L 95% Low (inductive) **Associated Habitats:** C 9% Common

V - Musineon vaginatum *(Rydberg's Parsley)* PSOC Not Assigned

View in Field Guide | View Predicted Models | View Range Maps
Potential Species of Concern - Native Species Global: **G3G4** State: **S3S4**
Predictive Models: M 3% Moderate (inductive), L 51% Low (inductive)

V - Polygonum austiniae *(Austin's Knotweed)* PSOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
USFS: **Sensitive - Known on Forests (BD, HLC)**
Potential Species of Concern - Native Species Global: **G5T4** State: **S3S4** **Sensitive - Suspected on Forests (CG)** MNPS: **2**
Predictive Models: M 2% Moderate (inductive), L 14% Low (inductive) **Associated Habitats:** C 39% Common

B - Common Poorwill *(Phalaenoptilus nuttallii)* PSOC S M

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
Potential Species of Concern - Native Species Global: **G5** State: **S4B** USFWS: **MBTA** FWP SWAP: **SGIN** PIF: **3**
Predictive Models: M 1% Moderate (inductive), L 91% Low (inductive) **Associated Habitats:** C 49% Common, O 10% Occasional

A - Western Toad *(Anaxyrus boreas)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G4** State: **S2** USFS: **Sensitive - Known on Forests (BD, BRT, CG, HLC, KOOT, LOLO)** BLM: **SENSITIVE**
FWP SWAP: **SGCN2**
Predictive Models: L 91% Low (inductive) **Associated Habitats:** C 17% Common, O 47% Occasional

V - Erigeron linearis *(Linear-leaf Fleabane)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G5** State: **S2** MNPS: **2**
Predictive Models: L 89% Low (inductive) **Associated Habitats:** C 40% Common

B - Plumbeous Vireo *(Vireo plumbeus)* PSOC S M

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
Potential Species of Concern - Native Species Global: **G5** State: **S3S4B** USFWS: **MBTA** PIF: **3**
Predictive Models: L 64% Low (inductive) **Associated Habitats:** C 11% Common

B - Rufous Hummingbird *(Selasphorus rufus)* PSOC S M

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
Potential Species of Concern - Native Species Global: **G4** State: **S4B** USFWS: **MBTA; BCC10** PIF: **3**
Predictive Models: L 59% Low (inductive) **Associated Habitats:** C 61% Common, O 1% Occasional

B - Peregrine Falcon *(Falco peregrinus)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G4** State: **S3** USFWS: **DM; MBTA** USFS: **Sensitive - Known on Forests (BD, BRT, CG, HLC, KOOT, LOLO)**
BLM: **SENSITIVE** FWP SWAP: **SGCN3** PIF: **2**
Predictive Models: L 58% Low (inductive) **Associated Habitats:** C 42% Common, O 4% Occasional

M - Hayden's Shrew *(Sorex haydeni)* PSOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
Potential Species of Concern - Native Species Global: **G5** State: **S3S4**
Predictive Models: L 52% Low (inductive) **Associated Habitats:** C 57% Common

B - Black-billed Cuckoo *(Coccyzus erythropthalmus)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G5** State: **S3B** USFWS: **MBTA; BCC11; BCC17** BLM: **SENSITIVE** FWP SWAP: **SGCN3, SGIN** PIF: **2**
Predictive Models: L 52% Low (inductive) **Associated Habitats:** C 11% Common

M - Black-tailed Prairie Dog *(Cynomys ludovicianus)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G4** State: **S3** USFS: **Sensitive - Known on Forests (CG)** BLM: **SENSITIVE** FWP SWAP: **SGCN3**
Predictive Models: L 52% Low (inductive) **Associated Habitats:** C 9% Common, O 51% Occasional

V - Elodea bifoliata *(Long-sheath Waterweed)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G4G5** State: **S2?** MNPS: **3**
Predictive Models: L 52% Low (inductive) **Associated Habitats:** C 3% Common

B - Great Gray Owl *(Strix nebulosa)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G5** State: **S3** USFWS: **MBTA** BLM: **SENSITIVE** FWP SWAP: **SGCN3, SGIN** PIF: **3**
Predictive Models: L 44% Low (inductive) **Associated Habitats:** C 13% Common, O 1% Occasional

B - Ferruginous Hawk *(Buteo regalis)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G4** State: **S3B** USFWS: **MBTA; BCC17** BLM: **SENSITIVE** FWP SWAP: **SGCN3** PIF: **2**
Predictive Models: L 43% Low (inductive) **Associated Habitats:** C 49% Common, O 1% Occasional

V - Cypripedium parviflorum *(Small Yellow Lady's-slipper)* PSOC

View in Field Guide | View Predicted Models | View Range Maps
USFS: **Sensitive - Known on Forests (CG, HLC, KOOT, LOLO)**
Potential Species of Concern - Native Species Global: **G5** State: **S3S4** **Sensitive - Suspected on Forests (BRT)** MNPS: **2**
Predictive Models: L 42% Low (inductive)

B - Greater Sage-Grouse *(Centrocercus urophasianus)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
USFS: **Sensitive - Known on Forests (BD)**
Species of Concern - Native Species Global: **G3G4** State: **S2** **Sensitive - Suspected on Forests (CG, HLC)** BLM: **SENSITIVE** FWP SWAP: **SGCN2** PIF: **1**
Predictive Models: L 34% Low (inductive) **Associated Habitats:** C 10% Common, O 1% Occasional

V - Isoetes echinospora *(Spiny-spore Quillwort)* SOC

View in Field Guide | View Predicted Models | View Range Maps
Species of Concern - Native Species Global: **G5** State: **S3** MNPS: **3**
Predictive Models: L 32% Low (inductive)

M - Canada Lynx *(Lynx canadensis)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
USFS: **Threatened on Forests (BD, BRT)**
Species of Concern - Native Species Global: **G5** State: **S3** USFWS: **LT; CH** **Threatened, Critical Habitat on Forests (CG, HLC, KOOT, LOLO)** BLM: **THREATENED** FWP SWAP: **SGCN3**
Predictive Models: L 31% Low (inductive) **Associated Habitats:** C 1% Common, O 2% Occasional

B - American Bittern *(Botaurus lentiginosus)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G5** State: **S3B** USFWS: **MBTA** BLM: **SENSITIVE** FWP SWAP: **SGCN3** PIF: **3**
Predictive Models: L 28% Low (inductive) **Associated Habitats:** C 11% Common

V - Kobresia simpliciuscula *(Simple Kobresia)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G5** State: **S3** MNPS: **3**
Predictive Models: L 24% Low (inductive) **Associated Habitats:** C 1% Common

B - Ovenbird *(Seiurus aurocapilla)* PSOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
Potential Species of Concern - Native Species Global: **G5** State: **S4B** USFWS: **MBTA** PIF: **3**
Predictive Models: L 18% Low (inductive) **Associated Habitats:** C 1% Common, O 1% Occasional

V - Adoxa moschatellina *(Musk-root)* SOC

View in Field Guide | View Predicted Models | View Range Maps
Species of Concern - Native Species Global: **G5** State: **S3** USFS: **Sensitive - Known on Forests (BD, CG, LOLO)** MNPS: **3**
Predictive Models: L 18% Low (inductive)

V - Townsendia spathulata *(Sword Townsend-daisy)* PSOC

View in Field Guide | View Predicted Models | View Range Maps
Potential Species of Concern - Native Species Global: **G3** State: **S3S4** MNPS: **3**
Predictive Models: L 16% Low (inductive)

V - Botrychium simplex *(Least Moonwort)* SOC

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G5** State: **S2** MNPS: **4**
Predictive Models: L 11% Low (inductive) **Associated Habitats:** C 2% Common

V - Botrychium hesperium *(Western Moonwort)* SOC

View in Field Guide | View Predicted Models | View Range Maps
Species of Concern - Native Species Global: **G4** State: **S3** USFS: **Sensitive - Known on Forests (BD, KOOT)** MNPS: **4**
Predictive Models: L 11% Low (inductive)

V - Salix serissima *(Autumn Willow)* SOC — Not Assigned — Y

View in Field Guide | View Predicted Models | View Range Maps

Species of Concern - Native Species Global: **G5** State: **S3** MNPS: **3**

Predictive Models: L 11% Low (inductive)

B - Black-backed Woodpecker *(Picoides arcticus)* SOC — Y

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G5** State: **S3** USFWS: **MBTA** USFS: **Sensitive - Known on Forests (BD, BRT, CG, HLC, KOOT, LOLO)** BLM: **SENSITIVE** FWP SWAP: **SGCN3** PIF: **1**

Predictive Models: L 7% Low (inductive) **Associated Habitats:** C 1% Common

V - Carex stenoptila *(Small-winged Sedge)* SOC — Not Assigned — Y

View in Field Guide | View Predicted Models | View Range Maps

Species of Concern - Native Species Global: **G3** State: **S2S3** MNPS: **3**

Predictive Models: L 5% Low (inductive)

B - Burrowing Owl *(Athene cunicularia)* SOC — S — M

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G4** State: **S3B** USFWS: **MBTA; BCC17** USFS: **Sensitive - Known on Forests (CG) Sensitive - Suspected on Forests (HLC)** BLM: **SENSITIVE** FWP SWAP: **SGCN3** PIF: **1**

Predictive Models: L 3% Low (inductive) **Associated Habitats:** C 10% Common, O 43% Occasional

V - Ranunculus pedatifidus *(Northern Buttercup)* SOC — Y

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G5** State: **S3** MNPS: **3**

Predictive Models: L 2% Low (inductive) **Associated Habitats:** C 2% Common

V - Primula incana *(Mealy Primrose)* SOC — Y

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G5** State: **S3** USFS: **Sensitive - Known on Forests (BD) Sensitive - Historically known, not recently documented on Forests (CG)** MNPS: **2**

Predictive Models: L 1% Low (inductive) **Associated Habitats:** C 11% Common

B - Sprague's Pipit *(Anthus spragueii)* SOC — 7 — S — M

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G3G4** State: **S3B** USFWS: **MBTA; BCC11; BCC17** BLM: **SENSITIVE** FWP SWAP: **SGCN3** PIF: **1**

Predictive Models: L 1% Low (inductive) **Associated Habitats:** C 1% Common, O 39% Occasional

B - Northern Goshawk *(Accipiter gentilis)* SOC — Y — W — M

View in Field Guide | View Predicted Models | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G5** State: **S3** USFWS: **MBTA** FWP SWAP: **SGCN3** PIF: **2**

Predictive Models: L 1% Low (inductive) **Associated Habitats:** C 1% Common, O 1% Occasional

B - Short-eared Owl *(Asio flammeus)* PSOC — Not Available — Y

View in Field Guide | View Associated Habitat | View Range Maps

Potential Species of Concern - Native Species Global: **G5** State: **S4** USFWS: **MBTA; BCC11; BCC17** PIF: **3**

Associated Habitats: C 63% Common, O 4% Occasional

B - Sharp-tailed Grouse *(Tympanuchus phasianellus)* SOC — Not Available — Y

View in Field Guide | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G5** State: **SX,S4** FWP SWAP: **SGCN1** PIF: **2**

Associated Habitats: C 60% Common, O 1% Occasional

B - Loggerhead Shrike *(Lanius ludovicianus)* SOC — Not Available — S — M

View in Field Guide | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G4** State: **S3B** USFWS: **MBTA** BLM: **SENSITIVE** FWP SWAP: **SGCN3** PIF: **2**

Associated Habitats: C 57% Common, O 2% Occasional

M - Bison *(Bos bison)* SOC — Not Available — H

View in Field Guide | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G4** State: **S2** FWP SWAP: **SGCN2**

Associated Habitats: C 48% Common, O 1% Occasional

V - Eriogonum caespitosum *(Mat Buckwheat)* SOC — Not Available — Y

View in Field Guide | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G5** State: **S2S3** MNPS: **3**

Associated Habitats: C 40% Common

I - Euphydryas gillettii *(Gillette's Checkerspot)* SOC — Not Available — Y

View in Field Guide | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G3** State: **S2**

Associated Habitats: C 11% Common, O 41% Occasional

I - Argia alberta *(Paiute Dancer)* PSOC — Not Available — Y

View in Field Guide | View Associated Habitat | View Range Maps

Potential Species of Concern - Native Species Global: **G4** State: **S2S3**

Associated Habitats: C 11% Common, O 3% Occasional

B - Harlequin Duck *(Histrionicus histrionicus)* SOC — Not Available — S — M

View in Field Guide | View Associated Habitat | View Range Maps

Species of Concern - Native Species Global: **G4** State: **S2B** USFWS: **MBTA** USFS: **Sensitive - Known on Forests (BD, CG, HLC, KOOT, LOLO)** FWP SWAP: **SGCN2** PIF: **1**

Associated Habitats: C 11% Common, O 3% Occasional

I - Polygonia progne *(Gray Comma)* SOC — Not Available — Y

View in Field Guide View Associated Habitat View Range Maps
Species of Concern - Native Species Global: **G5** State: **S2**
Associated Habitats: C 11% Common

V - Castilleja exilis *(Annual Indian Paintbrush)* SOC — Not Available — Y

View in Field Guide View Associated Habitat View Range Maps
Species of Concern - Native Species Global: **G5T5** State: **S2** MNPS: **3**
Associated Habitats: C 11% Common

V - Senecio eremophilus *(Desert Groundsel)* SOC — Not Available — Y

View in Field Guide View Associated Habitat View Range Maps
Species of Concern - Native Species Global: **G5** State: **S1S2** MNPS: **3**
Associated Habitats: C 11% Common

M - Black-footed Ferret *(Mustela nigripes)* SOC — Not Available — H

View in Field Guide View Associated Habitat View Range Maps
Species of Concern - Native Species Global: **G1** State: **S1** USFWS: **LE; XN** USFS: **Endangered, Experimental Nonessential on Forests (CG)** BLM: **ENDANGERED** FWP SWAP: **SGCN1**
Associated Habitats: C 9% Common

I - Argia emma *(Emma's Dancer)* PSOC — Not Available — Y

View in Field Guide View Associated Habitat View Range Maps
Potential Species of Concern - Native Species Global: **G5** State: **S3S5**
Associated Habitats: C 3% Common, O 11% Occasional

I - Somatochlora minor *(Ocellated Emerald)* PSOC — Not Available — Y

View in Field Guide View Associated Habitat View Range Maps
Potential Species of Concern - Native Species Global: **G5** State: **S2S4**
Associated Habitats: C 3% Common, O 11% Occasional

B - Franklin's Gull *(Leucophaeus pipixcan)* SOC — Not Available — M

View in Field Guide View Associated Habitat View Range Maps
Species of Concern - Native Species Global: **G5** State: **S3B** USFWS: **MBTA; BCC10; BCC11; BCC17** BLM: **SENSITIVE** FWP SWAP: **SGCN3** PIF: **2**
Associated Habitats: C 3% Common, O 3% Occasional

I - Aeshna constricta *(Lance-tipped Darner)* PSOC — Not Available — Y

View in Field Guide View Associated Habitat View Range Maps
Potential Species of Concern - Native Species Global: **G5** State: **S1S3**
Associated Habitats: C 3% Common, O 1% Occasional

I - Enallagma civile *(Familiar Bluet)* PSOC — Not Available — Y

View in Field Guide View Associated Habitat View Range Maps
Potential Species of Concern - Native Species Global: **G5** State: **S2S4**
Associated Habitats: C 3% Common, O 1% Occasional

I - Rhionaeschna multicolor *(Blue-eyed Darner)* PSOC — Not Available — Y

View in Field Guide View Associated Habitat View Range Maps
Potential Species of Concern - Native Species Global: **G5** State: **S2S4**
Associated Habitats: C 3% Common, O 1% Occasional

B - Black Tern *(Chlidonias niger)* SOC — Not Available — S M

View in Field Guide View Associated Habitat View Range Maps
Species of Concern - Native Species Global: **G4G5** State: **S3B** USFWS: **MBTA; BCC10; BCC11; BCC17** BLM: **SENSITIVE** FWP SWAP: **SGCN3** PIF: **2**
Associated Habitats: C 3% Common, O 1% Occasional

B - Black-necked Stilt *(Himantopus mexicanus)* SOC — Not Available — M

View in Field Guide View Associated Habitat View Range Maps
Species of Concern - Native Species Global: **G5** State: **S3B** USFWS: **MBTA** FWP SWAP: **SGCN3** PIF: **3**
Associated Habitats: C 3% Common, O 1% Occasional

B - Caspian Tern *(Hydroprogne caspia)* SOC — Not Available — M

View in Field Guide View Associated Habitat View Range Maps
Species of Concern - Native Species Global: **G5** State: **S2B** USFWS: **MBTA** BLM: **SENSITIVE** FWP SWAP: **SGCN2** PIF: **2**
Associated Habitats: C 3% Common, O 1% Occasional

B - Clark's Grebe *(Aechmophorus clarkii)* SOC — Not Available — M

View in Field Guide View Associated Habitat View Range Maps
Species of Concern - Native Species Global: **G5** State: **S3B** USFWS: **MBTA; BCC10; BCC11** FWP SWAP: **SGCN3** PIF: **3**
Associated Habitats: C 3% Common, O 1% Occasional

B - Forster's Tern *(Sterna forsteri)* SOC — Not Available — M

View in Field Guide View Associated Habitat View Range Maps
Species of Concern - Native Species Global: **G5** State: **S3B** USFWS: **MBTA** BLM: **SENSITIVE** FWP SWAP: **SGCN3** PIF: **2**
Associated Habitats: C 3% Common, O 1% Occasional

I - Aeshna eremita *(Lake Darner)* PSOC — Not Available — Y S W

View in Field Guide View Associated Habitat View Range Maps
Potential Species of Concern - Native Species Global: **G5** State: **S3S4**
Associated Habitats: C 3% Common

I - Rhionaeschna californica *(California Darner)* PSOC — Not Available — Y

View in Field Guide View Associated Habitat View Range Maps
Potential Species of Concern - Native Species Global: **G5** State: **S3S5**
Associated Habitats: O 3% Occasional

I - Somatochlora hudsonica *(Hudsonian Emerald)* PSOC — Not Available — Y

View in Field Guide | View Associated Habitat | View Range Maps
Potential Species of Concern - Native Species Global: **G5** State: **S2S4**
Associated Habitats: O 3% Occasional

V - Noccaea parviflora *(Small-flowered Pennycress)* SOC — Not Available — Y

View in Field Guide | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G3** State: **S3** MNPS: **3**
Associated Habitats: C 3% Common

B - White-faced Ibis *(Plegadis chihi)* SOC — Not Available — S M

View in Field Guide | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G5** State: **S3B** USFWS: **MBTA** BLM: **SENSITIVE** FWP SWAP: **SGCN3** PIF: **2**
Associated Habitats: C 3% Common

B - Black-crowned Night-Heron *(Nycticorax nycticorax)* SOC — Not Available — M

View in Field Guide | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G5** State: **S3B** USFWS: **MBTA** FWP SWAP: **SGCN3** PIF: **3**
Associated Habitats: C 3% Common

B - Common Tern *(Sterna hirundo)* SOC — Not Available — M

View in Field Guide | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G5** State: **S3B** USFWS: **MBTA** BLM: **SENSITIVE** FWP SWAP: **SGCN3** PIF: **2**
Associated Habitats: C 3% Common

B - Piping Plover *(Charadrius melodus)* SOC — Not Available — M

View in Field Guide | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G3** State: **S2B** USFWS: **LT; CH; MBTA** BLM: **THREATENED** FWP SWAP: **SGCN2** PIF: **1**
Associated Habitats: C 3% Common

M - Wolverine *(Gulo gulo)* SOC — 7 — Not Available — Y

View in Field Guide | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G4** State: **S3** USFS: **Proposed on Forests (BD, BRT, CG, HLC, KOOT, LOLO)** BLM: **SENSITIVE** FWP SWAP: **SGCN3**
Associated Habitats: C 2% Common, O 11% Occasional

B - Boreal Owl *(Aegolius funereus)* PSOC — Not Available — Y

View in Field Guide | View Associated Habitat | View Range Maps
Potential Species of Concern - Native Species Global: **G5** State: **S3S4** USFWS: **MBTA** FWP SWAP: **SGIN** PIF: **3**
Associated Habitats: C 2% Common, O 1% Occasional

V - Botrychium ascendens *(Upward-lobed Moonwort)* SOC — Not Available — Y

View in Field Guide | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G3** State: **S3** USFS: **Sensitive - Known on Forests (HLC, KOOT)** MNPS: **4**
Associated Habitats: C 2% Common

V - Botrychium crenulatum *(Wavy Moonwort)* SOC — Not Available — Y

View in Field Guide | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G4** State: **S3** USFS: **Sensitive - Known on Forests (BD, HLC, KOOT, LOLO)** MNPS: **4**
Associated Habitats: C 2% Common

V - Botrychium paradoxum *(Peculiar Moonwort)* SOC — Not Available — Y

View in Field Guide | View Associated Habitat | View Range Maps
USFS: **Sensitive - Known on Forests (BD, HLC, KOOT)**
Sensitive - Suspected on Forests (LOLO)
Species of Concern - Native Species Global: **G3G4** State: **S3** **Species of Conservation Concern on Forests (FLAT)** BLM: **SENSITIVE** MNPS: **4**
Associated Habitats: C 2% Common

B - Northern Hawk Owl *(Surnia ulula)* SOC — Not Available — W M

View in Field Guide | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G5** State: **S3** USFWS: **MBTA** FWP SWAP: **SGCN3, SGIN**
Associated Habitats: C 2% Common

M - Swift Fox *(Vulpes velox)* SOC — Not Available — Y

View in Field Guide | View Associated Habitat | View Range Maps
Species of Concern - Native Species Global: **G3** State: **S3** BLM: **SENSITIVE** FWP SWAP: **SGCN3**
Associated Habitats: C 1% Common, O 46% Occasional

I - Argia vivida *(Vivid Dancer)* PSOC — Not Available — Y

View in Field Guide | View Associated Habitat | View Range Maps
Potential Species of Concern - Native Species Global: **G5** State: **S3S5**
Associated Habitats: C 1% Common, O 14% Occasional

I - Colias gigantea *(Giant Sulphur)* PSOC — Not Available — Y

View in Field Guide | View Associated Habitat | View Range Maps
Potential Species of Concern - Native Species Global: **G5** State: **S3**
Associated Habitats: C 1% Common, O 11% Occasional

I - Aeshna juncea *(Sedge Darner)* PSOC — Not Available — Y

View in Field Guide | View Associated Habitat | View Range Maps
Potential Species of Concern - Native Species Global: **G5** State: **S3S5**
Associated Habitats: C 1% Common, O 3% Occasional

I - Enallagma clausum *(Alkali Bluet)* PSOC — Not Available — Y

View in Field Guide | View Associated Habitat | View Range Maps
Potential Species of Concern - Native Species Global: **G5** State: **S2S4**
Associated Habitats: C 1% Common, O 3% Occasional

I - Leucorrhinia borealis *(Boreal Whiteface)* SOC — Not Available — Y

View in Field Guide View Associated Habitat View Range Maps
Species of Concern - Native Species Global: **G5** State: **S1**
Associated Habitats: C 1% Common, O 3% Occasional

I - Sympetrum madidum *(Red-veined Meadowhawk)* PSOC — Not Available — Y

View in Field Guide View Associated Habitat View Range Maps
Potential Species of Concern - Native Species Global: **G5** State: **S2S3**
Associated Habitats: C 1% Common, O 3% Occasional

I - Aeshna sitchensis *(Zigzag Darner)* PSOC — Not Available — Y

View in Field Guide View Associated Habitat View Range Maps
Potential Species of Concern - Native Species Global: **G5** State: **S2S3**
Associated Habitats: C 1% Common, O 2% Occasional

I - Boloria freija *(Freija Fritillary)* PSOC — Not Available — Y

View in Field Guide View Associated Habitat View Range Maps
Potential Species of Concern - Native Species Global: **G5** State: **S3S5**
Associated Habitats: C 1% Common, O 2% Occasional

I - Erebia callias *(Colorado Alpine)* PSOC — Not Available — Y

View in Field Guide View Associated Habitat View Range Maps
Potential Species of Concern - Native Species Global: **G4** State: **S2S3**
Associated Habitats: C 1% Common, O 2% Occasional

B - Black Rosy-Finch *(Leucosticte atrata)* SOC — Not Available — Y S M

View in Field Guide View Associated Habitat View Range Maps
Species of Concern - Native Species Global: **G4** State: **S2** USFWS: **MBTA; BCC10** FWP SWAP: **SGCN2, SGIN** PIF: **2**
Associated Habitats: C 1% Common

B - Pacific Wren *(Troglodytes pacificus)* SOC — Not Available — Y

View in Field Guide View Associated Habitat View Range Maps
Species of Concern - Native Species Global: **G5** State: **S3** USFWS: **MBTA** FWP SWAP: **SGCN3** PIF: **2**
Associated Habitats: O 1% Occasional

I - Boloria frigga *(Frigga Fritillary)* SOC — Not Available — Y

View in Field Guide View Associated Habitat View Range Maps
Species of Concern - Native Species Global: **G5** State: **S1S2**
Associated Habitats: C 1% Common

I - Oeneis bore *(White-veined Arctic)* PSOC — Not Available — Y

View in Field Guide View Associated Habitat View Range Maps
Potential Species of Concern - Native Species Global: **G5** State: **S2S3**
Associated Habitats: C 1% Common

I - Oeneis melissa *(Melissa Arctic)* PSOC — Not Available — Y

View in Field Guide View Associated Habitat View Range Maps
Potential Species of Concern - Native Species Global: **G5** State: **S2S3**
Associated Habitats: C 1% Common

I - Somatochlora semicircularis *(Mountain Emerald)* PSOC — Not Available — Y

View in Field Guide View Associated Habitat View Range Maps
Potential Species of Concern - Native Species Global: **G5** State: **S3S5**
Associated Habitats: C 1% Common

V - Balsamorhiza macrophylla *(Large-leaved Balsamroot)* PSOC — Not Available — Y

View in Field Guide View Associated Habitat View Range Maps
Potential Species of Concern - Native Species Global: **G3G5** State: **S3S4** USFS: **Sensitive - Known on Forests (BD, CG)** MNPS: **3**
Associated Habitats: C 1% Common

V - Braya humilis *(Low Braya)* SOC — Not Available — Y

View in Field Guide View Associated Habitat View Range Maps
Species of Concern - Native Species Global: **G5** State: **S2** MNPS: **3**
Associated Habitats: C 1% Common

V - Hornungia procumbens *(Hutchinsia)* SOC — Not Available — Y

View in Field Guide View Associated Habitat View Range Maps
Species of Concern - Native Species Global: **G5** State: **S2** MNPS: **3**
Associated Habitats: C 1% Common

B - Varied Thrush *(Ixoreus naevius)* SOC — Not Available — S M

View in Field Guide View Associated Habitat View Range Maps
Species of Concern - Native Species Global: **G5** State: **S3B** USFWS: **MBTA** FWP SWAP: **SGCN3** PIF: **3**
Associated Habitats: C 1% Common

MONTANA Natural Heritage Program
A program of the **Montana State Library's Natural Resource Information System**

Latitude	Longitude
45.63911	-110.50850
45.68513	-110.57141

Structured Surveys

Summarized by: **002S010E018** *(Buffered PLSS Section)*

The Montana Natural Heritage Program (MTNHP) records information on the locations where more than 80 different types of well-defined repeatable survey protocols capable of detecting an animal species or suite of animal species have been conducted by state, federal, tribal, university, or private consulting biologists. Examples of structured survey protocols tracked by MTNHP include: visual encounter and dip net surveys for pond breeding amphibians, point counts for birds, call playback surveys for selected bird species, visual surveys of migrating raptors, kick net stream reach surveys for macroinvertebrates, visual encounter cover object surveys for terrestrial mollusks, bat acoustic or mist net surveys, pitfall and/or snap trap surveys for small terrestrial mammals, track or camera trap surveys for large mammals, and trap surveys for turtles. Whenever possible, photographs of survey locations are stored in MTNHP databases.

MTNHP does not typically manage information on structured surveys for plants; surveys for invasive species may be a future exception.

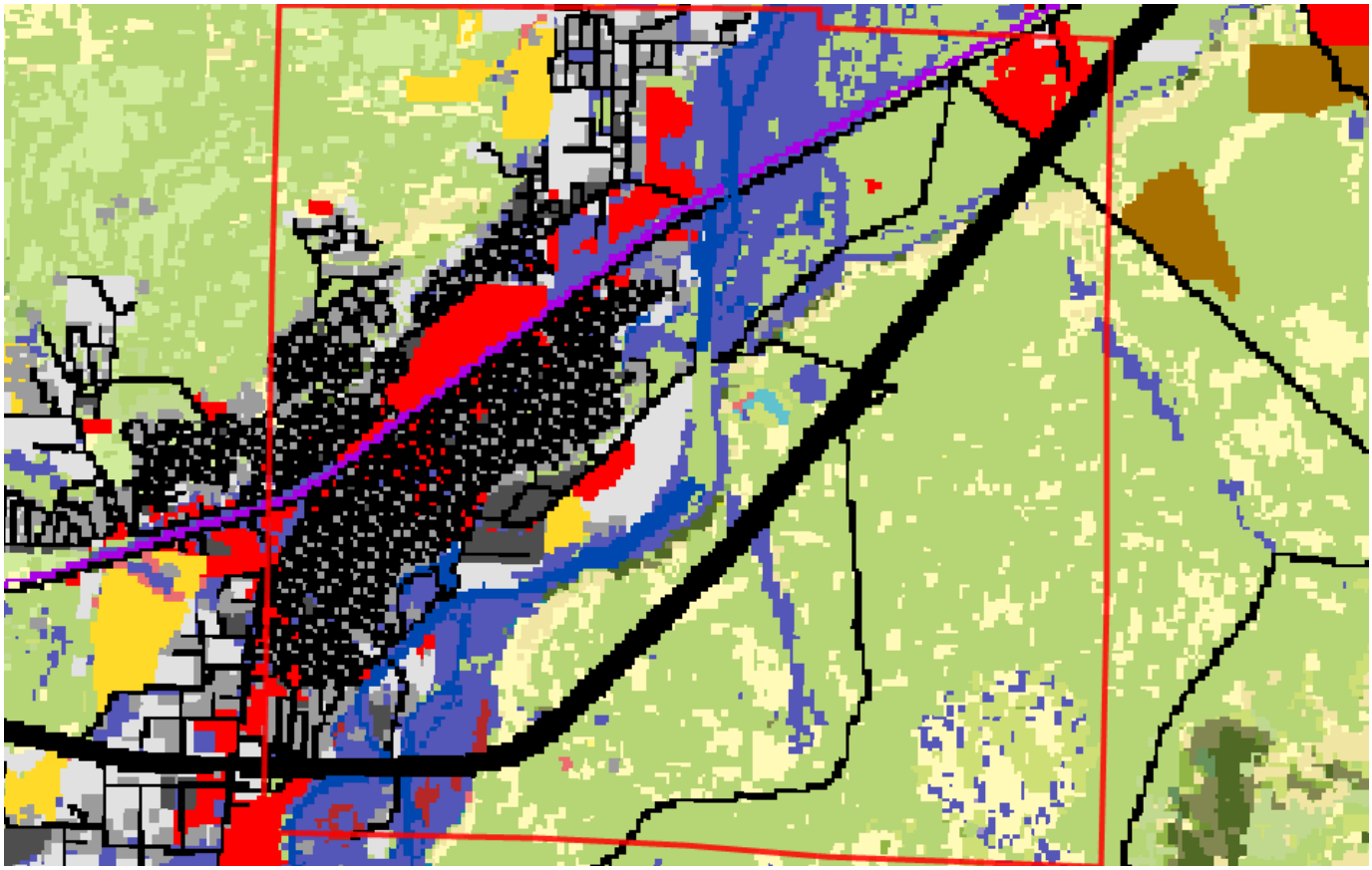
Within the report area you have requested, structured surveys are summarized by the number of each type of structured survey protocol that has been conducted, the number of species detections/observations resulting from these surveys, and the most recent year a survey has been conducted.

B-Long-billed Curlew *(Long-billed Curlew, Road-based, Point Count)*	**Survey Count**: 2	**Obs Count**:	**Recent Survey**: 2015
B-Raptor nest *(Raptor Nest Survey)*	**Survey Count**: 11	**Obs Count**: 11	**Recent Survey**: 2020
E-Eastern Heath Snail *(Eastern Heath Snail Survey)*	**Survey Count**: 1	**Obs Count**:	**Recent Survey**: 2012
E-Eurasian Water-milfoil Rake *(Rake tows/pulls for Eurasian Water-milfoil)*	**Survey Count**: 25	**Obs Count**:	**Recent Survey**: 2020
E-Invasive Mussel Plankton Tow *(Plankton tows for veligers of Invasive Mussels)*	**Survey Count**: 5	**Obs Count**:	**Recent Survey**: 2020
E-Kicknet *(Kicknet Collection Survey for Invasive Mussels and Snails)*	**Survey Count**: 7	**Obs Count**:	**Recent Survey**: 2020
E-Noxious Weed, Road-based *(Noxious Weed Road-based Visual Surveys)*	**Survey Count**: 16	**Obs Count**: 112	**Recent Survey**: 2003
E-Noxious Weed, Visual *(Noxious Weed Visual Surveys)*	**Survey Count**: 2	**Obs Count**: 21	**Recent Survey**: 2007
E-Visual Aquatic Invasives *(Visual Encounter Surveys for Aquatic Invasives on Shorelines or Underwater)*	**Survey Count**: 66	**Obs Count**: 54	**Recent Survey**: 2020
F-Fish Electrofishing *(Fish Electrofishing Surveys)*	**Survey Count**: 4	**Obs Count**: 12	**Recent Survey**: 1991
F-Fish Other Survey *(Fish Other Survey (FWP Survey Type))*	**Survey Count**: 15	**Obs Count**: 36	**Recent Survey**: 1986
I-Mosquito CDC Trap *(Montana Mosquito Surveillance Project)*	**Survey Count**: 12	**Obs Count**: 70	**Recent Survey**: 2006
I-Mussel *(Stream Mussel Survey)*	**Survey Count**: 1	**Obs Count**:	**Recent Survey**: 2009
M-Bat Roost (Active Season) *(Bat Roost (Active Season) Survey)*	**Survey Count**: 1	**Obs Count**: 1	**Recent Survey**: 2019
P-Algal scraping *(Algal Scraping)*	**Survey Count**: 1	**Obs Count**: 75	**Recent Survey**: 2000

Latitude 45.63911 45.68513
Longitude -110.50850 -110.57141

Land Cover

Summarized by: **002S010E018** *(Buffered PLSS Section)*



39% (*2,287 Acres*)

Grassland Systems
Montane Grassland

Rocky Mountain Lower Montane, Foothill, and Valley Grassland

This grassland system of the northern Rocky Mountains is found at lower montane to foothill elevations in mountains and valleys throughout Montana. These grasslands are floristically similar to Big Sagebrush Steppe but are defined by shorter summers, colder winters, and young soils derived from recent glacial and alluvial material. They are found at elevations from 548 - 1,650 meters (1,800-5,413 feet). In the lower montane zone, they range from small meadows to large open parks surrounded by conifers; below the lower treeline, they occur as extensive foothill and valley grasslands. Soils are relatively deep, fine-textured, often with coarse fragments, and non-saline. Microphytic crust may be present in high-quality occurrences. This system is typified by cool-season perennial bunch grasses and forbs (>25%) cover, with a sparse shrub cover (<10%). Rough fescue (*Festuca campestris*) is dominant in the northwestern portion of the state and Idaho fescue (*Festuca idahoensis*) is dominant or co-dominant throughout the range of the system. Bluebunch wheatgrass (*Pseudoroegneria spicata*) occurs as a co-dominant throughout the range as well, especially on xeric sites. Western wheatgrass (*Pascopyrum smithii*) is consistently present, often with appreciable coverage (>10%) in lower elevation occurrences in western Montana and virtually always present, with relatively high coverages (>25%), on the edge of the Northwestern Great Plains region. Species diversity ranges from a high of more than 50 per 400 square meter plot on mesic sites to 15 (or fewer) on xeric and disturbed sites. Most occurrences have at least 25 vascular species present. Farmland conversion, noxious species invasion, fire suppression, heavy grazing and oil and gas development are major threats to this system.

No Image

14% (*800 Acres*)

Human Land Use
Developed

Other Roads

County, city and or rural roads generally open to motor vehicles.

11% (649 Acres)

Wetland and Riparian Systems
Floodplain and Riparian
Rocky Mountain Lower Montane-Foothill Riparian Woodland and Shrubland

This ecological system is found throughout the Rocky Mountain and Colorado Plateau regions. In Montana, it ranges from approximately 945 to 2,042 meters (3,100 to 6,700 feet), characterristically occuring as a mosaic of multiple communities that are tree-dominated with a diverse shrub component. It is dependent on a natural hydrologic regime, especially annual to episodic flooding. Occurrences are found within the flood zone of rivers, on islands, sand or cobble bars, and on immediate streambanks. It can form large, wide occurrences on mid-channel islands in larger rivers or narrow bands on small, rocky canyon tributaries and well-drained benches. It is also typically found in backwater channels and other perennially wet but less scoured sites, such as floodplains swales and irrigation ditches. In some locations, occurrences extend into moderately high intermountain basins where the adjacent vegetation is sage steppe. Dominant trees may include boxelder maple (*Acer negundo*), narrowleaf cottonwood (*Populus angustifolia*), Plains cottonwood (*Populus deltoides*), Douglas-fir (*Pseudotsuga menziesii*), peachleaf willow (*Salix amygdaloides*), or Rocky Mountain juniper (*Juniperus scopulorum*). Dominant shrubs include Rocky Mountain maple (*Acer glabrum*), thinleaf alder (*Alnus incana*), river birch (*Betula occidentalis*), redoiser dogwood (*Cornus sericea*), hawthorne (*Crataegus spp.*), chokecherry (*Prunus virginiana*), skunkbush sumac (*Rhus trilobata*), Drummondâ€™s willow (*Salix drummondiana*), sandbar willow (*Salix exigua*), Pacific willow (*Salix lucida*), rose (*Rosa* species), silver buffaloberry (*Shepherdia argentea*), or snowberry (*Symphoricarpos* species). Exotic trees of Russian olive (*Elaeagnus angustifolia*) and saltcedar (*Tamarix* species) may invade some stands in southeastern and south-central Montana.

7% (440 Acres)

Shrubland, Steppe and Savanna Systems
Sagebrush Steppe
Big Sagebrush Steppe

This widespread ecological system occurs throughout much of central Montana, and north and east onto the western fringe of the Great Plains. In central Montana, where this system occurs on both glaciated and non-glaciated landscapes, it differs slightly, with more summer rain than winter precipitation and more precipitation annually. Throughout its distribution, soils are typically deep and non-saline, often with a microphytic crust. This shrub-steppe is dominated by perennial grasses and forbs with greater than 25% cover. Overall shrub cover is less than 10 percent. In Montana and Wyoming, stands are more mesic, with more biomass of grass, and have less shrub diversity than stands farther to the west, and 50 to 90% of the occurrences are dominated by Wyoming big sagebrush with western wheatgrass (*Pascopyrum smithii*). Japanese brome (*Bromus japonicus*) and cheatgrass (*Bromus tectorum*) are indicators of disturbance, but cheatgrassis typically not as abundant as in the Intermountain West, possibly due to a colder climate. The natural fire regime of this ecological system maintains a patchy distribution of shrubs, preserving the steppe character. Shrubs may increase following heavy grazing and/or with fire suppression. In central and eastern Montana, complexes of prairie dog towns are common in this ecological system.

5% (278 Acres)

Human Land Use
Developed
Low Intensity Residential

Includes areas with a mixture of constructed materials and vegetation. Impervious surfaces account for 20-50% of total cover. These areas most commonly include single-family housing units in rural and suburban areas. Paved roadways may be classified into this category.

No Image

4% (247 Acres)

Human Land Use
Developed
Interstate

National Highway System (NHS) limited access highways and their shoulders and rights of way.

No Image

4% (243 Acres)

Human Land Use
Developed
Commercial / Industrial

Businesses, industrial parks, hospitals, airports; utilities in commercial/industrial areas.

4% (211 Acres)

Human Land Use
Developed
Developed, Open Space

Vegetation (primarily grasses) planted in developed settings for recreation, erosion control, or aesthetic purposes. Impervious surfaces account for less than 20% of total cover. This category often includes highway and railway rights of way and graveled rural roads.

3% (162 Acres)

Wetland and Riparian Systems
Open Water
Open Water

All areas of open water, generally with less than 25% cover of vegetation or soil

2% (100 Acres)

Grassland Systems
Montane Grassland
Rocky Mountain Subalpine-Montane Mesic Meadow

This system is restricted to sites from lower montane to subalpine elevations where finely textured soils, snow deposition, or windswept conditions limit tree establishment. Many occurrences are small patches, and are often found in mosaics within woodlands, dense shrublands, or just below alpine communities. Elevations range from 600 to2,011 meters (2,000-6,600 feet) in the northern Rocky Mountains and up to 2,286- 2,682 meters (7,500-8,800 feet) in the mountains of southwestern Montana. This system occurs on gentle to moderate-gradient slopes and in relatively moist habitats. Soils are typically seasonally moist to saturated in the spring, but dry out later in the growing season. At montane elevations, soils are usually clays or silt loams, and some occurrences may have inclusions of hydric soils in low, depressional areas. At subalpine elevations, soils are derived a variety of parent materials, and are usually rocky or gravelly with good aeration and drainage, but with a well developed organic layer. Some occurrences are more heavily dominated by grasses, while others are more dominated by forbs. Common grasses include tufted hairgrass (*Deschampsia caespitosa*), showy oniongrass (*Melica spectabilis*), mountain brome (*Bromus carinatus*), blue wildrye (*Elymus glaucus*), awned sedge (*Carex atherodes*), and small wing sedge (*Carex microptera*). Forb dominated meadows usually comprise a wide species diversity which differs from montane to subalpine elevations. Shrubs such as shrubby cinquefoil (*Dasiphora fruticosa* ssp. *floribunda*) and snowberry (*Symphoricarpos* species) are occasional but not abundant. This system differs from the Rocky Mountain Alpine Montane Wet Meadow system in that it soils dry out by mid-summer.

Additional Limited Land Cover

1% (*78 Acres*) Great Plains Mixedgrass Prairie

1% (*77 Acres*) Montane Sagebrush Steppe

1% (*76 Acres*) Cultivated Crops

1% (*67 Acres*) Major Roads

1% (*65 Acres*) High Intensity Residential

1% (*51 Acres*) Railroad

<1% (*18 Acres*) Rocky Mountain Montane Douglas-fir Forest and Woodland

<1% (*18 Acres*) Introduced Riparian and Wetland Vegetation

<1% (*7 Acres*) Rocky Mountain Montane-Foothill Deciduous Shrubland

<1% (*6 Acres*) Great Plains Saline Depression Wetland

<1% (*5 Acres*) Introduced Upland Vegetation - Annual and Biennial Forbland

<1% (*4 Acres*) Great Plains Shrubland

<1% (*4 Acres*) Aspen Forest and Woodland

<1% (*2 Acres*) Rocky Mountain Foothill Limber Pine - Juniper Woodland

<1% (*2 Acres*) Great Plains Floodplain

<1% (*1 Acres*) Great Plains Wooded Draw and Ravine

<1% (*1 Acres*) Low Sagebrush Shrubland

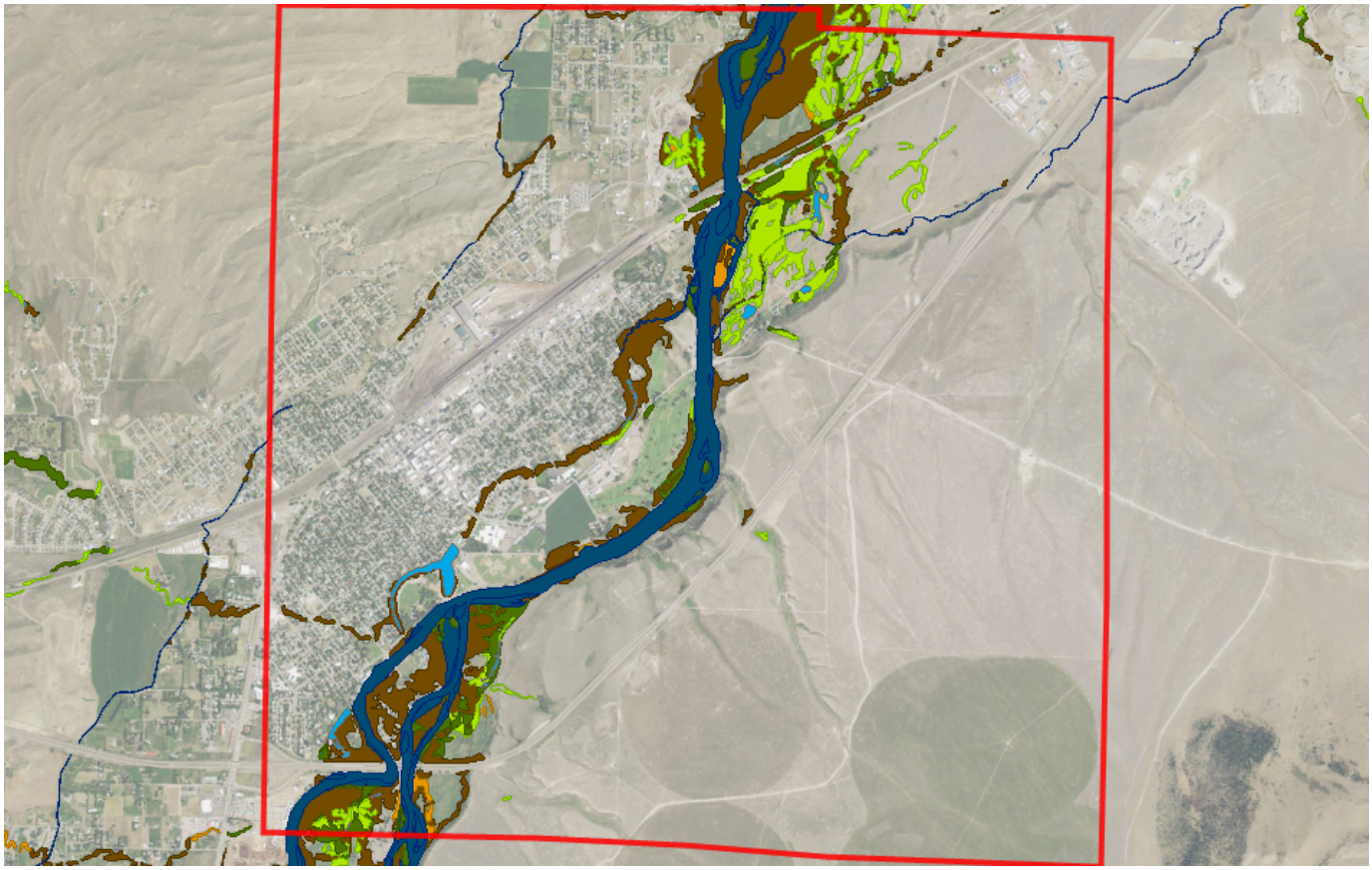
<1% (*1 Acres*) Alpine-Montane Wet Meadow

<1% (*0 Acres*) Rocky Mountain Lower Montane-Foothill Shrubland

Latitude	Longitude
45.63911	-110.50850
45.68513	-110.57141

Wetland and Riparian

Summarized by: **002S010E018** *(Buffered PLSS Section)*



Wetland and Riparian Mapping

Explain

P - Palustrine

AB - Aquatic Bed

F - Semipermanently Flooded	11 Acres	
(no modifier)	**7 Acres**	**PABF**
h - Diked/Impounded	**4 Acres**	**PABFh**
G - Intermittently Exposed	8 Acres	
h - Diked/Impounded	**8 Acres**	**PABGh**
K - Artificially Flooded	<1 Acres	
x - Excavated	**<1 Acres**	**PABKx**

P - Palustrine, AB - Aquatic Bed
Wetlands with vegetation growing on or below the water surface for most of the growing season.

EM - Emergent

A - Temporarily Flooded	95 Acres	
(no modifier)	**95 Acres**	**PEMA**
C - Seasonally Flooded	9 Acres	
(no modifier)	**9 Acres**	**PEMC**

P - Palustrine, EM - Emergent
Wetlands with erect, rooted herbaceous vegetation present during most of the growing season.

SS - Scrub-Shrub

A - Temporarily Flooded	53 Acres	
(no modifier)	**53 Acres**	**PSSA**
C - Seasonally Flooded	2 Acres	
(no modifier)	**2 Acres**	**PSSC**

P - Palustrine, SS - Scrub-Shrub
Wetlands dominated by woody vegetation less than 6 meters (20 feet) tall. Woody vegetation includes tree saplings and trees that are stunted due to environmental conditions.

R - Riverine (Rivers)

3 - Upper Perennial

UB - Unconsolidated Bottom

H - Permanently Flooded	162 Acres	
(no modifier)	**162 Acres**	**R3UBH**

R - Riverine (Rivers), 3 - Upper Perennial, UB - Unconsolidated Bottom
Stream channels where the substrate is at least 25% mud, silt or other fine particles.

US - Unconsolidated Shore

A - Temporarily Flooded	29 Acres	
(no modifier)	**29 Acres**	**R3USA**

R - Riverine (Rivers), 3 - Upper Perennial, US - Unconsolidated Shore
Shorelines with less than 75% areal cover of stones, boulders, or bedrock and less than 30% vegetation cover. The area is

C - Seasonally Flooded 18 Acres

(no modifier) **18 Acres** **R3USC**

also irregularly exposed due to seasonal or irregular flooding and subsequent drying.

4 - Intermittent

SB - Stream Bed

R - Riverine (Rivers), 4 - Intermittent, SB - Stream Bed

Active channel that contains periodic water flow.

C - Seasonally Flooded 4 Acres

x - Excavated **4 Acres** **R4SBCx**

Rp - Riparian

1 - Lotic

SS - Scrub-Shrub

(no modifier) **10 Acres** **Rp1SS**

Rp - Riparian, 1 - Lotic, SS - Scrub-Shrub

This type of riparian area is dominated by woody vegetation that is less than 6 meters (20 feet) tall. Woody vegetation includes tree saplings and trees that are stunted due to environmental conditions.

FO - Forested

(no modifier) **281 Acres** **Rp1FO**

Rp - Riparian, 1 - Lotic, FO - Forested

This riparian class has woody vegetation that is greater than 6 meters (20 feet) tall.

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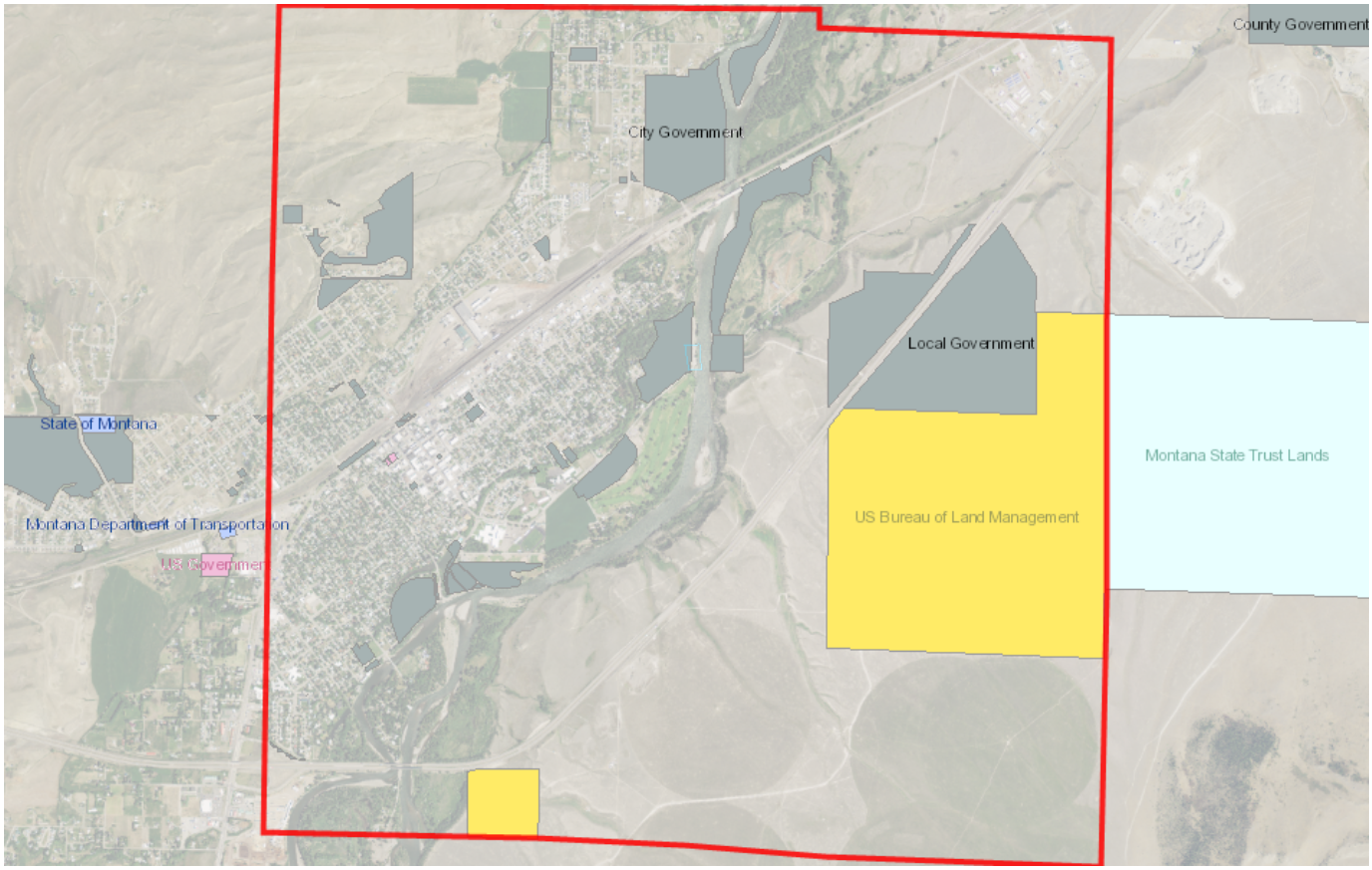
Land Management

Summarized by: **002S010E018** *(Buffered PLSS Section)*



Land Management Summary

Explain

	Ownership	Tribal	Easements	Other Boundaries (possible overlap)
Public Lands	1,186 Acres (20%)			
Federal	667 Acres (11%)			
US Bureau of Land Management	666 Acres (11%)			
BLM Owned	666 Acres (11%)			
US Government	1 Acres (<1%)			
US Government Owned	1 Acres (<1%)			
State	2 Acres (<1%)			
Montana State Trust Lands	2 Acres (<1%)			
MT State Trust Owned	2 Acres (<1%)			
Montana Fish, Wildlife and Parks				
MTFWP Fishing Access Sites				3 Acres
Mayor's Landing Fishing Access Site				3 Acres
Local	517 Acres (9%)			
Local Government	517 Acres (9%)			
Local Government Owned	517 Acres (9%)			
Private Lands or Unknown Ownership	4,714 Acres (80%)			

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Biological Reports

Summarized by: **002S010E018** *(Buffered PLSS Section)*

Within the report area you have requested, citations for all reports and publications associated with plant or animal observations in Montana Natural Heritage Program (MTNHP) databases are listed and, where possible, links to the documents are included.

The MTNHP plans to include reports associated with terrestrial and aquatic communities in the future as allowed for by staff resources. If you know of reports or publications associated with species or biological communities within the report area that are not shown in this report, please let us know: mtnhp@mt.gov

- Dubovsky, James. 2004. Trumpeter Swan Survey of the Rocky Mountain Population, U.S. Breeding Segment Fall 2004. USFWS Migratory Birds and State Programs. Mountain-Prairie Region. Lakewood, CO.
- Dubovsky, James. 2005. Trumpeter Swan Survey of the Rocky Mountain Population, U.S. Breeding Segment Fall 2005. USFWS Migratory Birds and State Programs. Mountain-Prairie Region. Lakewood, CO.
- Dubovsky, Jim. 2002. Trumpeter Swan Survey of the Rocky Mountain Population Fall 2002. US Fish and Wildlife Service Mountain-Prairie Region. Lakewood, CO. 28 pages including appendices plus errata.
- Dubovsky, Jim. 2003. Trumpeter Swan Survey of the Rocky Mountain Population, US Breeding segment Fall 2003. US Fish and Wildlife Service, Mountain-Prairie Region. Lakewood CO. 28 pages including appendices.
- Fuller, Pam and A. Benson. U.S. Department of the Interior. USGS NAS: ***Nonindigenous Aquatic Species Database***. 2017. Accessed 10 October 2017. https://nas.er.usgs.gov/
- Gomez, Daniel. 1995. 1995 mid-winter survey Rocky Mountain population trumpeter swans. Red Rock Lakes National Wildlife Refuge. USFWS Lakeview, Montana. 10pp.
- Gomez, Daniel. 1996. 1996 mid-winter survey Rocky Mountain population trumpeter swans. Red Rock Lakes National Wildlife Refuge. US Fish and Wildlife Service Lakeview, Montana. 24 pp.
- Gomez, Daniel. 1997. Trumpeter swan survey of the Rocky Mountain population/U.S. flocks, Fall 1997. Unpublished report from the Red Rock Lakes NWR.
- Gomez, Daniel. 1998. Trumpeter swan survey of the Rocky Mountain population/U.S. flocks, fall 1998. Red Rock Lakes NWR.
- Gomez, Daniel. 1999. 1999 mid-winter survey Rocky Mountain population trumpeter swans. Red Rock Lakes National Wildlife Refuge USFWS Lakeview, MT.
- Gomez, Daniel. 1999. Trumpeter swan survey of the Rocky Mountain population/U.S. flocks, fall 1999. Red Rock Lakes NWR.
- Olson, Dave. 2001. 2001 mid-winter survey Rocky Mountain population trumpeter swans. Red Rock Lakes National Wildlife Refuge USFWS Lakeview, MT.
- Olson, Dave. 2001. Trumpeter swan survey of the Rocky Mountain population Fall 2001. US Fish and Wildlife Service, Red Rock Lakes National Wildlife Refuge, Lakeview, MT. 7 pp. plus appendices.
- Olson, Dave. 2002. 2002 mid-winter survey Rocky Mountain population trumpeter swans. Red Rock Lakes National Wildlife Refuge USFWS Lakeview, MT.
- Reed, Tom and Daniel Gomez. 2000. 2000 mid-winter survey Rocky Mountain population trumpeter swans. Red Rock Lakes National Wildlife Refuge USFWS Lakeview, MT.
- Reed, Tom. 2000. Trumpeter Swan Survey ot the US sub-population of the Rocky Mountain population Fall 2000. US Fish and Wildlife Service. Red Rock Lakes NWR. Lakeview, MT. 15pp.
- Regele, Deb. 2020. ***Email with tabular data detailing nesting records for osprey on the Yellowstone River***. 30 November 2020.
- Tobalske, Claudine and Linda Vance. 2017.***Predicting the distribution of Russian Olive stands in eastern Montana valley bottoms using NAIP imagery***. Report to the US EPA. Montana Natural Heritage Program. Helena, MT. 40pp.

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Legend

Model Icons
- N Suitable (native range)
- O Optimal Suitability
- M Moderate Suitability
- L Low Suitability
- I Suitable (introduced range)

Habitat Icons
- C Common
- O Occasional

Range Icons
- T Suspect (invasive / pest)
- D Documented (invasive / pest)
- R Released (biocontrol)
- E Established (biocontrol)

Num Obs
Count of obs with 'good precision' (<=1000m)
+ indicates additional 'poor precision' obs (1001m-10,000m)

Latitude	Longitude
45.63911	-110.50850
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Invasive and Pest Species

Summarized by: **002S010E018** *(Buffered PLSS Section)*

	# Obs	Predictive Model	Associated Habitat	Range
Aquatic Invasive Species				
V - Iris pseudacorus *(Yellowflag Iris)* N2A/AIS			Not Assigned	D
V - Myriophyllum spicatum *(Eurasian Water-milfoil)* N2A/AIS			Not Assigned	D
V - Butomus umbellatus *(Flowering-rush)* N2A/AIS			Not Assigned	D
V - Nymphaea odorata *(American Water-lily)* AIS		Not Available		D
I - Potamopyrgus antipodarum *(New Zealand Mudsnail)* AIS	1	Not Available	Not Assigned	
Noxious Weeds: Priority 1A				
V - Centaurea solstitialis *(Yellow Starthistle)* N1A			Not Assigned	D
V - Isatis tinctoria *(Dyer's Woad)* N1A			Not Assigned	D
V - Taeniatherum caput-medusae *(Medusahead)* N1A			Not Assigned	D
Noxious Weeds: Priority 1B				
V - Lythrum salicaria *(Purple Loosestrife)* N1B	1		Not Assigned	D
V - Polygonum cuspidatum *(Japanese Knotweed)* N1B	1		Not Assigned	D
V - Echium vulgare *(Blueweed)* N1B			Not Assigned	D
V - Cytisus scoparius *(Scotch Broom)* N1B			Not Assigned	D
V - Chondrilla juncea *(Rush Skeletonweed)* N1B			Not Assigned	D
Noxious Weeds: Priority 2A				
V - Rhamnus cathartica *(Common Buckthorn)* N2A			Not Assigned	D
V - Iris pseudacorus *(Yellowflag Iris)* N2A/AIS			Not Assigned	D

V - Iris pseudacorus *(Yellowflag Iris)* N2A/AIS

View in Field Guide | View Predicted Models | View Range Maps

Noxious Weed: Priority 2A - Aquatic Invasive Species - Non-native Species Global: **GNR** State: **SNA**

Predictive Models: O 53% Optimal (inductive), M 19% Moderate (inductive), L 28% Low (inductive)

V - Myriophyllum spicatum *(Eurasian Water-milfoil)* N2A/AIS

View in Field Guide | View Predicted Models | View Range Maps

Noxious Weed: Priority 2A - Aquatic Invasive Species - Non-native Species Global: **GNR** State: **SNA**

Predictive Models: M 1% Moderate (inductive), L 72% Low (inductive)

V - Butomus umbellatus *(Flowering-rush)* N2A/AIS

View in Field Guide | View Predicted Models | View Range Maps

Noxious Weed: Priority 2A - Aquatic Invasive Species - Non-native Species Global: **G5** State: **SNA**

Predictive Models: L 53% Low (inductive)

V - Nymphaea odorata *(American Water-lily)* AIS

View in Field Guide | View Associated Habitat | View Range Maps

Aquatic Invasive Species - Non-native Species Global: **G5** State: **SNA**

Associated Habitats: C 3% Common

I - Potamopyrgus antipodarum *(New Zealand Mudsnail)* AIS

View in Field Guide

Aquatic Invasive Species - Non-native Species Global: **G5** State: **SNA**

V - Centaurea solstitialis *(Yellow Starthistle)* N1A

View in Field Guide | View Predicted Models | View Range Maps

Noxious Weed: Priority 1A - Non-native Species Global: **GNR** State: **SNA**

Predictive Models: O 53% Optimal (inductive), M 30% Moderate (inductive), L 16% Low (inductive)

V - Isatis tinctoria *(Dyer's Woad)* N1A

View in Field Guide | View Predicted Models | View Range Maps

Noxious Weed: Priority 1A - Non-native Species Global: **GNR** State: **SNA**

Predictive Models: O 46% Optimal (inductive), M 30% Moderate (inductive), L 24% Low (inductive)

V - Taeniatherum caput-medusae *(Medusahead)* N1A

View in Field Guide | View Predicted Models | View Range Maps

Noxious Weed: Priority 1A - Non-native Species Global: **G4G5** State: **SNA**

Predictive Models: L 96% Low (inductive)

V - Lythrum salicaria *(Purple Loosestrife)* N1B

View in Field Guide | View Predicted Models | View Range Maps

Noxious Weed: Priority 1B - Non-native Species Global: **G5** State: **SNA**

Predictive Models: O 43% Optimal (inductive), M 33% Moderate (inductive), L 11% Low (inductive)

V - Polygonum cuspidatum *(Japanese Knotweed)* N1B

View in Field Guide | View Predicted Models | View Range Maps

Noxious Weed: Priority 1B - Non-native Species Global: **GNRTNR** State: **SNA**

Predictive Models: O 40% Optimal (inductive), M 35% Moderate (inductive), L 24% Low (inductive)

V - Echium vulgare *(Blueweed)* N1B

View in Field Guide | View Predicted Models | View Range Maps

Noxious Weed: Priority 1B - Non-native Species Global: **GNR** State: **SNA**

Predictive Models: O 18% Optimal (inductive), M 48% Moderate (inductive), L 34% Low (inductive)

V - Cytisus scoparius *(Scotch Broom)* N1B

View in Field Guide | View Predicted Models | View Range Maps

Noxious Weed: Priority 1B - Non-native Species Global: **GNR** State: **SNA**

Predictive Models: M 57% Moderate (inductive), L 43% Low (inductive)

V - Chondrilla juncea *(Rush Skeletonweed)* N1B

View in Field Guide | View Predicted Models | View Range Maps

Noxious Weed: Priority 1B - Non-native Species Global: **GNR** State: **SNA**

Predictive Models: L 62% Low (inductive)

V - Rhamnus cathartica *(Common Buckthorn)* N2A

View in Field Guide | View Predicted Models | View Range Maps

Noxious Weed: Priority 2A - Non-native Species Global: **GNR** State: **SNA**

Predictive Models: O 74% Optimal (inductive), M 22% Moderate (inductive), L 4% Low (inductive)

V - Iris pseudacorus *(Yellowflag Iris)* N2A/AIS

View in Field Guide View Predicted Models View Range Maps
Noxious Weed: Priority 2A - Aquatic Invasive Species - Non-native Species Global: **GNR** State: **SNA**
Predictive Models: O 53% Optimal (inductive), M 19% Moderate (inductive), L 28% Low (inductive)

V - Ventenata dubia *(Ventenata)* N2A — Not Assigned D

View in Field Guide View Predicted Models View Range Maps
Noxious Weed: Priority 2A - Non-native Species Global: **GNR** State: **SNA**
Predictive Models: O 35% Optimal (inductive), M 54% Moderate (inductive), L 11% Low (inductive)

V - Hieracium praealtum *(Kingdevil Hawkweed)* N2A — Not Assigned D

View in Field Guide View Predicted Models View Range Maps
Noxious Weed: Priority 2A - Non-native Species Global: **GNR** State: **SNA**
Predictive Models: O 17% Optimal (inductive), M 36% Moderate (inductive), L 47% Low (inductive)

V - Ranunculus acris *(Tall Buttercup)* N2A — Not Assigned D

View in Field Guide View Predicted Models View Range Maps
Noxious Weed: Priority 2A - Non-native Species Global: **G5** State: **SNA**
Predictive Models: M 42% Moderate (inductive), L 33% Low (inductive)

V - Lepidium latifolium *(Perennial Pepperweed)* N2A — Not Assigned D

View in Field Guide View Predicted Models View Range Maps
Noxious Weed: Priority 2A - Non-native Species Global: **GNR** State: **SNA**
Predictive Models: M 18% Moderate (inductive), L 76% Low (inductive)

V - Myriophyllum spicatum *(Eurasian Water-milfoil)* N2A/AIS — Not Assigned D

View in Field Guide View Predicted Models View Range Maps
Noxious Weed: Priority 2A - Aquatic Invasive Species - Non-native Species Global: **GNR** State: **SNA**
Predictive Models: M 1% Moderate (inductive), L 72% Low (inductive)

V - Butomus umbellatus *(Flowering-rush)* N2A/AIS — Not Assigned D

View in Field Guide View Predicted Models View Range Maps
Noxious Weed: Priority 2A - Aquatic Invasive Species - Non-native Species Global: **G5** State: **SNA**
Predictive Models: L 53% Low (inductive)

V - Senecio jacobaea *(Tansy Ragwort)* N2A — Not Assigned D

View in Field Guide View Predicted Models View Range Maps
Noxious Weed: Priority 2A - Non-native Species Global: **GNR** State: **SNA**
Predictive Models: L 35% Low (inductive)

V - Hieracium aurantiacum *(Orange Hawkweed)* N2A — Not Assigned D

View in Field Guide View Predicted Models View Range Maps
Noxious Weed: Priority 2A - Non-native Species Global: **GNR** State: **SNA**
Predictive Models: L 1% Low (inductive)

Noxious Weeds: Priority 2B

V - Centaurea diffusa *(Diffuse Knapweed)* N2B — Not Assigned D

View in Field Guide View Predicted Models View Range Maps
Noxious Weed: Priority 2B - Non-native Species Global: **GNR** State: **SNA**
Predictive Models: O 44% Optimal (inductive), M 47% Moderate (inductive), L 9% Low (inductive)

V - Linaria dalmatica *(Dalmatian Toadflax)* N2B — 14 — Not Assigned D

View in Field Guide View Predicted Models View Range Maps
Noxious Weed: Priority 2B - Non-native Species Global: **G5** State: **SNA**
Predictive Models: O 28% Optimal (inductive), M 72% Moderate (inductive)

V - Berteroa incana *(Hoary False-alyssum)* N2B — Not Assigned D

View in Field Guide View Predicted Models View Range Maps
Noxious Weed: Priority 2B - Non-native Species Global: **GNR** State: **SNA**
Predictive Models: O 18% Optimal (inductive), M 25% Moderate (inductive), L 57% Low (inductive)

V - Linaria vulgaris *(Yellow Toadflax)* N2B — Not Assigned D

View in Field Guide View Predicted Models View Range Maps
Noxious Weed: Priority 2B - Non-native Species Global: **GNR** State: **SNA**
Predictive Models: O 11% Optimal (inductive), M 34% Moderate (inductive), L 55% Low (inductive)

V - Lepidium draba *(Whitetop)* N2B — 18 — Not Assigned D

View in Field Guide View Predicted Models View Range Maps
Noxious Weed: Priority 2B - Non-native Species Global: **GNR** State: **SNA**
Predictive Models: O 7% Optimal (inductive), M 93% Moderate (inductive)

V - Tanacetum vulgare *(Common Tansy)* N2B — 2 — Not Assigned D

View in Field Guide View Predicted Models View Range Maps
Noxious Weed: Priority 2B - Non-native Species Global: **GNR** State: **SNA**
Predictive Models: O 7% Optimal (inductive), M 46% Moderate (inductive), L 24% Low (inductive)

V - Convolvulus arvensis *(Field Bindweed)* N2B — 26 — Not Assigned D

View in Field Guide View Predicted Models View Range Maps
Noxious Weed: Priority 2B - Non-native Species Global: **GNR** State: **SNA**
Predictive Models: O 3% Optimal (inductive), M 27% Moderate (inductive), L 68% Low (inductive)

V - Cynoglossum officinale *(Common Hound's-tongue)* N2B — 16 — Not Assigned D

View in Field Guide View Predicted Models View Range Maps
Noxious Weed: Priority 2B - Non-native Species Global: **GNR** State: **SNA**
Predictive Models: O 2% Optimal (inductive), M 89% Moderate (inductive), L 9% Low (inductive)

V - Centaurea stoebe *(Spotted Knapweed)* N2B — 22 — Not Assigned D

View in Field Guide View Predicted Models View Range Maps
Noxious Weed: Priority 2B - Non-native Species Global: **GNR** State: **SNA**
Predictive Models: M 62% Moderate (inductive), L 38% Low (inductive)

V - Euphorbia virgata *(Leafy Spurge)* N2B — 15 — Not Assigned — D

View in Field Guide View Predicted Models View Range Maps
Noxious Weed: Priority 2B - Non-native Species Global: **GNRTNR** State: **SNA**
Predictive Models: M 57% Moderate (inductive), L 43% Low (inductive)

V - Leucanthemum vulgare *(Oxeye Daisy)* N2B — Not Assigned — D

View in Field Guide View Predicted Models View Range Maps
Noxious Weed: Priority 2B - Non-native Species Global: **GNR** State: **SNA**
Predictive Models: M 32% Moderate (inductive), L 44% Low (inductive)

V - Tamarix ramosissima *(Salt Cedar)* N2B — 1 — Not Assigned — D

View in Field Guide View Predicted Models View Range Maps
Noxious Weed: Priority 2B - Non-native Species Global: **GNR** State: **SNA**
Predictive Models: M 18% Moderate (inductive), L 50% Low (inductive)

V - Cirsium arvense *(Canada Thistle)* N2B — 18 — Not Assigned — D

View in Field Guide View Predicted Models View Range Maps
Noxious Weed: Priority 2B - Non-native Species Global: **G5** State: **SNA**
Predictive Models: M 16% Moderate (inductive), L 84% Low (inductive)

V - Potentilla recta *(Sulphur Cinquefoil)* N2B — 3 — Not Assigned — D

View in Field Guide View Predicted Models View Range Maps
Noxious Weed: Priority 2B - Non-native Species Global: **GNR** State: **SNA**
Predictive Models: M 16% Moderate (inductive), L 84% Low (inductive)

V - Acroptilon repens *(Russian Knapweed)* N2B — Not Assigned — D

View in Field Guide View Predicted Models View Range Maps
Noxious Weed: Priority 2B - Non-native Species Global: **GNR** State: **SNA**
Predictive Models: L 71% Low (inductive)

V - Hypericum perforatum *(Common St. John's-wort)* N2B — Not Assigned — D

View in Field Guide View Predicted Models View Range Maps
Noxious Weed: Priority 2B - Non-native Species Global: **GNR** State: **SNA**
Predictive Models: L 60% Low (inductive)

Regulated Weeds: Priority 3

V - Bromus tectorum *(Cheatgrass)* R3 — 2 — Not Assigned — D

View in Field Guide View Predicted Models View Range Maps
Regulated Weed: Priority 3 - Non-native Species Global: **GNR** State: **SNA**
Predictive Models: M 54% Moderate (inductive), L 46% Low (inductive)

V - Elaeagnus angustifolia *(Russian Olive)* R3 — 3 — Not Assigned — D

View in Field Guide View Predicted Models View Range Maps
Regulated Weed: Priority 3 - Non-native Species Global: **GNR** State: **SNA**
Predictive Models: L 51% Low (inductive)

Biocontrol Species

I - Oberea erythrocephala *(Red-headed Leafy Spurge Stem Borer)* BIOCNTRL — Not Assigned — R

View in Field Guide View Predicted Models View Range Maps
Biocontrol Species - Non-native Species Global: **GNR** State: **SNA**
Predictive Models: O 29% Optimal (inductive), M 68% Moderate (inductive), L 3% Low (inductive)

I - Aphthona lacertosa *(Brown-legged Leafy Spurge Flea Beetle)* BIOCNTRL — Not Assigned — R

View in Field Guide View Predicted Models View Range Maps
Biocontrol Species - Non-native Species Global: **GNR** State: **SNA**
Predictive Models: M 88% Moderate (inductive), L 12% Low (inductive)

I - Mecinus janthiniformis *(Dalmatian Toadflax Stem-boring Weevil)* BIOCNTRL — Not Assigned — R

View in Field Guide View Predicted Models View Range Maps
Biocontrol Species - Non-native Species Global: **GNR** State: **SNA**
Predictive Models: M 58% Moderate (inductive), L 42% Low (inductive)

I - Cyphocleonus achates *(Knapweed Root Weevil)* BIOCNTRL — Not Assigned — R

View in Field Guide View Predicted Models View Range Maps
Biocontrol Species - Non-native Species Global: **GNR** State: **SNA**
Predictive Models: M 39% Moderate (inductive), L 58% Low (inductive)

I - Aphthona nigriscutis *(Black Dot Leafy Spurge Flea Beetle)* BIOCNTRL — Not Assigned — R

View in Field Guide View Predicted Models View Range Maps
Biocontrol Species - Non-native Species Global: **GNR** State: **SNA**
Predictive Models: M 22% Moderate (inductive), L 70% Low (inductive)

I - Mecinus janthinus *(Yellow Toadflax Stem-boring Weevil)* BIOCNTRL — Not Assigned — R

View in Field Guide View Predicted Models View Range Maps
Biocontrol Species - Non-native Species Global: **GNR** State: **SNA**
Predictive Models: L 53% Low (inductive)