

Wildlife and Vegetation

Note: amphibian and reptile species are listed separately on the display titled, "Wetlands, Springs, Ponds & Cold-Blooded Vertebrates"

Documented Mammalian Species in Area F Survey Area

Common Name	Scientific Name	Special Status Designation*
Bats		
Small-footed myotis	<i>Myotis ciliolabrum</i>	
Long-eared myotis	<i>Myotis evotis</i>	
Little brown myotis	<i>Myotis lucifugus</i>	
Hoary bat	<i>Lasiurus cinereus</i>	X
Big brown bat	<i>Eptesicus fuscus</i>	
Townsend's big-eared bat	<i>Corynorhinus townsendii</i>	X
Silver-haired bat	<i>Lasionycteris noctivagans</i>	
Red bat species	<i>Lasiurus spp.</i>	X
Fringed myotis	<i>Myotis thysanodes</i>	X
Long-legged myotis	<i>Myotis volans</i>	
Hares and Rabbits		
Desert cottontail	<i>Sylvilagus audubonii</i>	
Rodents		
Least chipmunk	<i>Tamias minimus</i>	
Red squirrel	<i>Tamiasciurus hudsonicus</i>	
Northern pocket gopher	<i>Thomomys talpoides</i>	
Deer mouse	<i>Peromyscus maniculatus</i>	
Porcupine	<i>Erethizon dorsatum</i>	
Ord's kangaroo rat	<i>Dipodomys ordii</i>	
Vole species	<i>Microtus spp.</i>	
Carnivores		
Coyote	<i>Canis latrans</i>	
Red fox	<i>Vulpes vulpes</i>	
Black bear	<i>Ursus americanus</i>	
Badger	<i>Taxidea taxus</i>	
Ungulates		
Elk	<i>Cervus canadensis</i>	
Mule deer	<i>Odocoileus hemionus</i>	
Pronghorn	<i>Antilocapra americana</i>	

* species is included on the MNHP Species of Concern list.
 Adapted from Appendix F Rosebud Mine, Area F Tract - 2011 Wildlife Baseline, October 2011.

Documented Avian Species in Area F Survey Area

Common Name	Scientific Name	Special Status Designation
Swans, Geese and Ducks		
Canada goose	<i>Branta canadensis</i>	
Green-winged teal	<i>Anas crecca</i>	
Mallard	<i>Anas platyrhynchos</i>	
Blue-winged teal	<i>Anas discors</i>	
Northern shoveler	<i>Anas clypeata</i>	
American wigeon	<i>Anas americana</i>	
Diurnal Raptors		
Bald eagle	<i>Haliaeetus leucocephalus</i>	
Northern harrier	<i>Circus cyaneus</i>	
Cooper's hawk	<i>Accipiter cooperii</i>	
Northern goshawk	<i>Accipiter gentilis</i>	X
Red-tailed hawk	<i>Buteo jamaicensis</i>	
Golden eagle	<i>Aquila chrysaetos</i>	
American kestrel	<i>Falco sparverius</i>	
Grouse and Turkey		
Ring-necked pheasant	<i>Phasianus colchicus</i>	
Sharp-tailed grouse	<i>Tympanuchus phasianellus</i>	
Wild turkey	<i>Meleagris gallopavo</i>	
Shorebirds		
Spotted sandpiper	<i>Actitis macularia</i>	
Solitary sandpiper	<i>Tringa solitaria</i>	
Upland sandpiper	<i>Bartramia longicauda</i>	
Pigeons and Doves		
Mourning dove	<i>Zenaidura macroura</i>	
Owls		
Great horned owl	<i>Bubo virginianus</i>	
Goatsuckers		
Common nighthawk	<i>Chordeiles minor</i>	
Common poorwill	<i>Phalaenoptilus nuttallii</i>	
Woodpeckers		
Red-headed woodpecker	<i>Melanerpes erythrocephalus</i>	X
Downy woodpecker	<i>Picoides pubescens</i>	
Hairy woodpecker	<i>Picoides villosus</i>	
Northern flicker	<i>Colaptes auratus</i>	
Flycatchers		
Dusky flycatcher	<i>Empidonax oberholseri</i>	
Western wood -peewee	<i>Contopus sordidulus</i>	
Say's phoebe	<i>Sayornis saya</i>	
Cassin's kingbird	<i>Tyrannus vociferans</i>	
Eastern kingbird	<i>Tyrannus tyrannus</i>	
Western kingbird	<i>Tyrannus verticalis</i>	
Larks		
Horned lark	<i>Eremophila alpestris</i>	
Swallows		
Tree swallow	<i>Tachycineta bicolor</i>	
Barn swallow	<i>Hirundo rustica</i>	

Common Name	Scientific Name	Special Status Designation
Jays, Magpies, and Crows		
Black-billed magpie	<i>Pica hudsonia</i>	
American crow	<i>Corvus brachyrhynchos</i>	
Chickadees and Nuthatches		
Black-capped chickadee	<i>Parus atricapillus</i>	
Red-breasted nuthatch	<i>Sitta canadensis</i>	
White-breasted nuthatch	<i>Sitta carolinensis</i>	
Wrens		
House wren	<i>Troglodytes aedon</i>	
Thrushes and Mimic Thrushes		
Mountain bluebird	<i>Sialia currucoides</i>	
Townsend's solitaire	<i>Myadestes townsendi</i>	
American robin	<i>Turdus migratorius</i>	
Brown thrasher	<i>Toxostoma rufum</i>	
Sage thrasher	<i>Oreoscoptes montanus</i>	X
Gray catbird	<i>Dumetella carolinensis</i>	
Waxwings		
Cedar waxwing	<i>Bombicilla cedrorum</i>	
Shrikes		
Northern shrike	<i>Lanius excubitor</i>	
Starlings		
European starling	<i>Sturnus vulgaris</i>	
Vireos and Warblers		
Blue-headed vireo	<i>Vireo solitarius</i>	
(Plumbeous)		
Yellow warbler	<i>Dendroica petechia</i>	
Yellow-breasted chat	<i>Icteria virens</i>	
Ovenbird	<i>Seiurus aurocapillus</i>	
Grosbeaks and Buntings		
Black-headed grosbeak	<i>Pheucticus melanocephalus</i>	
Lark bunting	<i>Calamospiza melanocorys</i>	
Sparrows, Towhees, etc.		
Spotted towhee	<i>Pipilo maculatus</i>	
Chipping sparrow	<i>Spizella passerina</i>	
Vesper sparrow	<i>Poocetes gramineus</i>	
Grasshopper sparrow	<i>Ammodramus saviannarum</i>	X
Lark sparrow	<i>Chondestes grammacus</i>	
Dark-eyed junco	<i>Junco hyemalis</i>	
McCown's longspur	<i>Calcarius mccownii</i>	X
Red-winged blackbird	<i>Agelaius phoeniceus</i>	
Western meadowlark	<i>Sturnella neglecta</i>	
Brewer's blackbird	<i>Euphagus cyanocephalus</i>	
Common grackle	<i>Quiscalus quiscula</i>	
Brown-headed cowbird	<i>Molothrus ater</i>	
Bullock's oriole	<i>Icterus bullockii</i>	
Finches		
Red crossbill	<i>Loxia curvirostra</i>	
American goldfinch	<i>Carduelis tristis</i>	

* species is included on the MNHP Species of Concern list.
 Adapted from Appendix F Rosebud Mine, Area F Tract - 2011 Wildlife Baseline, October 2011.

Federally Listed and State Sensitive Species*

- ◆ No Threatened and Endangered (T&E) vertebrate species were documented within the proposed Area F tract or surrounding wildlife baseline survey area during surveys conducted in either 2006 or 2011.
- ◆ No T&E records exist in the historical accounts of the overlapping area for the Rosebud Mine annual wildlife monitoring program.
- ◆ No candidate, petitioned, or proposed T&E vertebrate species were recorded during recent baseline surveys or previous annual monitoring in the overlapping area (although a few old greater sage-grouse records do exist in another far extent of the Rosebud Mine survey area).
- ◆ The two vertebrate T&E species (black-footed ferret and interior least tern) that may be expected to occur in Rosebud and/or Treasure County, Montana are associated with prairie dog colonies and low-elevation wetland or open water habitats, respectively, which do not occur within the proposed Area F tract or surrounding wildlife baseline survey area.
- ◆ Seven avian species, two amphibians, one reptile species, and at least three bat species included on the MNHP list were recorded within the proposed Area F tract and/or the surrounding wildlife survey area during the baseline period in 2006 and 2011.

* Appendix F Rosebud Mine, Area F Tract - 2011 Wildlife Baseline, October 2011.

Wildlife Habitats and Corresponding Vegetation Types

(within the Area F tract and 0.5 mile perimeter)

Wildlife Habitat/Acreage*	Corresponding Vegetation Types
Lowland (225 acres)	<ul style="list-style-type: none"> • Lowland: Grassland • Lowland: Deciduous Tree/Shrub
Upland Grassland (1,845 acres)	<ul style="list-style-type: none"> • Upland: Grassland
Upland Shrubland (1,240 acres)	<ul style="list-style-type: none"> • Big Sagebrush • Silver Sagebrush • Skunkbush Sumac • Shrub Complex • Upland: Deciduous Tree/Shrub • Mixed Shrub
Conifer (926 acres)	<ul style="list-style-type: none"> • Conifer
Agricultural/Improved Pasture (1,040 acres)	<ul style="list-style-type: none"> • Other: Agricultural • Other: Disturbed Grassland (Improved Pasture) • Other: Ranch Yard

* Although noteworthy for wildlife use, several additional features identified in the Baseline Vegetation Assessment were not included as specific "wildlife habitats" due to their extremely limited extent. These included Cliff, Sandstone Rock, Scoria Pit/Storage, Pond, and Wet Meadow with a combined acreage of 15.6 acres. The county road (18.7 acres) was also omitted from inclusion. Acreages in this table are approximate and include a 0.5 mile perimeter buffer in addition to Area F acreage.
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