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MINERALS & MINING PROGRAM

ATTACHMENT I

**WHARF AND GOLDEN REWARD EXPANSION (WGRE)
WILDLIFE BASELINE REPORT:
POTENTIAL AND DOCUMENTED SPECIES OCCURRENCE LISTS**

POTENTIAL[†] AND DOCUMENTED MAMMALIAN SPECIES LIST

Common name	Scientific Name	Recorded within the WGRE Survey Area	Recorded in vicinity ††	Special Status Designation †††
<i>Insectivores</i>				
Masked shrew	<i>Sorex cinereus</i>	---	X	---
Hayden's shrew	<i>Sorex haydenii</i>	---	---	---
Merriam's shrew	<i>Sorex merriami</i>	---	---	*
<i>Bats</i>				
Small-footed myotis	<i>Myotis ciliolabrum</i>	X	---	---
Long-eared myotis	<i>Myotis evotis</i>	---	---	*
Northern myotis	<i>Myotis septentrionalis</i>	X	---	*
Little brown myotis	<i>Myotis lucifugus</i>	---	X	---
Fringe-tailed myotis	<i>Myotis thysandoes</i>	---	---	*
Long-legged myotis	<i>Myotis volans</i>	---	---	---
Keen's myotis	<i>Myotis keeni</i>	---	---	---
Red bat	<i>Lasirus borealis</i>	---	---	---
Hoary bat	<i>Lasirus cinereus</i>	X	---	---
Silver-haired bat	<i>Lasionycteris noctivagans</i>	X	---	*
Big brown bat	<i>Eptesicus fuscus</i>	X	---	---
Townsend's big-eared bat	<i>Plecotus townsendii</i>	X	---	*
<i>Hares and Rabbits</i>				
Desert cottontail	<i>Sylvilagus audubonii</i>	---	---	---
Mountain cottontail	<i>Sylvilagus nuttallii</i>	---	X	---
Cottontail species	<i>Sylvilagus</i> spp.	---	X	---
White-tailed jackrabbit	<i>Lepus townsendii</i>	X	X	---
<i>Rodents</i>				
Least chipmunk	<i>Tamias minimus</i>	X	X	---
Yellow-bellied marmot	<i>Marmota flaviventris</i>	X	X	---
Thirteen-lined ground squirrel	<i>Spermophilus tridecemlineatus</i>	---	---	---
Red squirrel	<i>Tamiasciurus hudsonicus</i>	X	X	---
Northern flying squirrel	<i>Glaucomys sabrinus</i>	---	---	*
Northern pocket gopher	<i>Thomomys talpoides</i>	---	X	---
White-footed mouse	<i>Peromyscus leucopus</i>	---	X	---
Deer mouse	<i>Peromyscus maniculatus</i>	---	X	---

POTENTIAL[†] AND DOCUMENTED MAMMALIAN SPECIES LIST (CONTINUED)

Common name	Scientific Name	Recorded within the WGRE Survey Area	Recorded in vicinity ††	Special Status Designation †††
Rodents (Continued)				
Bushy-tailed woodrat	<i>Neotoma cinerea</i>	---	X	---
Southern red-backed vole	<i>Clethrionomys gapperi</i>	---	X	---
Long-tailed vole	<i>Microtus longicaudus</i>	---	X	---
Prairie vole	<i>Microtus ochrogaster</i>	---	---	---
Meadow vole	<i>Microtus pennsylvanicus</i>	---	X	---
Norway rat	<i>Rattus norvegicus</i>	---	X	---
House mouse	<i>Mus musculus</i>	---	---	---
Meadow jumping mouse	<i>Zapus hudsonius</i>	---	---	*
Porcupine	<i>Erethizon dorsatum</i>	---	X	---
Carnivores				
Coyote	<i>Canis latrans</i>	X	X	---
Red fox	<i>Vulpes vulpes</i>	---	---	---
Gray fox	<i>Urocyon cinereoargenteus</i>	---	---	---
Black bear	<i>Ursus americanus</i>	---	---	*
Raccoon	<i>Procyon lotor</i>	---	X	---
Pine marten	<i>Martes americana</i>	---	X	---
Ermine	<i>Mustela ermine</i>	---	X	---
Long-tailed weasel	<i>Mustela frenata</i>	---	X	---
Mink	<i>Mustela vison</i>	---	---	---
Badger	<i>Taxidea taxus</i>	---	---	---
Eastern spotted skunk	<i>Spilogale putorius</i>	---	---	---
Striped skunk	<i>Mephitis mephitis</i>	---	X	---
Mountain lion	<i>Felis concolor</i>	---	X	*
Lynx	<i>Lynx canadensis</i>	---	---	LT
Bobcat	<i>Lynx rufus</i>	---	---	---
Ungulates				
Elk	<i>Cervus elaphus</i>	---	X	---
Mule deer	<i>Odocoileus hemionus</i>	X	X	---
White-tailed deer	<i>Odocoileus virginianus</i>	X	X	---
Pronghorn	<i>Antilocapra americana</i>	---	X	---

POTENTIAL[†] AND DOCUMENTED AVIAN SPECIES LIST

Common name	Scientific Name	Recorded within the WGRE Survey Area	Recorded in vicinity ††	Special Status Designation †††
<i>Loons and Grebes</i>				
Common loon	<i>Gavia immer</i>	---	X	*
Pied-billed grebe	<i>Podilymbus podiceps</i>	---	---	---
Horned grebe	<i>Podiceps auritus</i>	---	---	*
Eared grebe	<i>Podiceps nigricollis</i>	---	X	---
<i>Hérons and Bitterns</i>				
American bittern	<i>Botaurus lentiginosus</i>	---	---	---
Great blue heron	<i>Ardea herodias</i>	---	X	*
Black-crowned night heron	<i>Nycticorax nycticorax</i>	---	---	*
<i>Ibises</i>				
White-faced ibis	<i>Plegadis chihi</i>	---	---	*
<i>Swans, Geese, and Ducks</i>				
Snow goose	<i>Chen caerulenscens</i>	---	---	---
Canada goose	<i>Branta canadensis</i>	---	X	---
Green-winged teal	<i>Anas crecca</i>	---	X	---
Mallard	<i>Anas platyrhynchos</i>	---	X	---
Northern pintail	<i>Anas acuta</i>	---	---	---
Blue-winged teal	<i>Anas discors</i>	---	X	---
Cinnamon teal	<i>Anas cyanoptera</i>	---	---	---
Northern shoveler	<i>Anas clypeata</i>	---	X	---
Gadwall	<i>Anas strepera</i>	---	X	---
American wigeon	<i>Anas Americana</i>	---	---	---
Canvasback	<i>Aythya valisineria</i>	---	X	---
Redhead	<i>Aythya americana</i>	---	X	---
Ring-necked duck	<i>Aythya collaris</i>	---	X	---
Lesser scaup	<i>Aythya affinis</i>	---	X	---
Bufflehead	<i>Bucephala albeola</i>	---	X	*
Common merganser	<i>Mergus merganser</i>	---	X	*
<i>Vultures</i>				
Turkey vulture	<i>Cathartes aura</i>	X	X	---

POTENTIAL[†] AND DOCUMENTED AVIAN SPECIES LIST (CONTINUED)

Common name	Scientific Name	Recorded within the WGRE Survey Area	Recorded in vicinity ††	Special Status Designation†††
<i>Diurnal Raptors</i>				
Bald eagle	<i>Haliaeetus leucocephalus</i>	---	X	ST
Northern harrier	<i>Circus cyaneus</i>	X	X	*
Sharp-shinned hawk	<i>Accipiter striatus</i>	X	X	*
Cooper's hawk	<i>Accipiter cooperii</i>	X	X	*
Northern goshawk	<i>Accipiter gentilis</i>	---	X	*
Broad-winged hawk	<i>Buteo platypterus</i>	X	X	*
Swainson's hawk	<i>Buteo swainsoni</i>	---	X	*
Red-tailed hawk	<i>Buteo jamaicensis</i>	X	X	---
Ferruginous hawk	<i>Buteo regalis</i>	---	X	*
Rough-legged hawk	<i>Buteo lagopus</i>	---	---	---
Golden eagle	<i>Aquila chrysaetos</i>	---	X	*
Osprey	<i>Pandion haliaetus</i>	---	X	ST
American kestrel	<i>Falco sparverius</i>	---	X	---
Merlin	<i>Falco columbarius</i>	---	X	*
Peregrine falcon	<i>Falco peregrines</i>	---	X	SE
Prairie falcon	<i>Falco mexicanus</i>	---	X	*
<i>Grouse and Turkey</i>				
Ruffed grouse	<i>Bonasa umbellus</i>	X	X	---
Sharp-tailed grouse	<i>Tympanuchus phasianellus</i>	---	X	---
Wild turkey	<i>Meleagris gallopavo</i>	X	X	---
<i>Cranes</i>				
Sandhill crane	<i>Grus canadensis</i>	---	X	---
Whooping crane	<i>Grus americana</i>	---	---	LE, SE
<i>Coots, Gallinules, and Rails</i>				
Virginia rail	<i>Rallus limicola</i>	---	X	---
Sora	<i>Porzana carolina</i>	---	---	---
American coot	<i>Fulica americana</i>	---	---	---
<i>Shorebirds, Gulls, and Terns</i>				
Killdeer	<i>Charadrius vociferus</i>	---	X	---

POTENTIAL[†] AND DOCUMENTED AVIAN SPECIES LIST (CONTINUED)

Common name	Scientific Name	Recorded within the WGRE Survey Area	Recorded in vicinity ††	Special Status Designation †††
<i>Shorebirds, Gulls, and Terns (Continued)</i>				
American avocet	<i>Recurvirostra americana</i>	---	X	---
Greater yellowlegs	<i>Tringa melanoleuca</i>	---	---	---
Lesser yellowlegs	<i>Tringa flavipes</i>	---	---	---
Solitary sandpiper	<i>Tringa solitaria</i>	---	---	---
Willet	<i>Catotrophorus semipalmatus</i>	---	---	---
Spotted sandpiper	<i>Actitis macularia</i>	---	X	---
Upland sandpiper	<i>Bartramia longicauda</i>	---	---	---
Wilson's snipe	<i>Gallinago delicata</i>	---	---	---
Wilson's phalarope	<i>Phalaropus tricolor</i>	---	X	---
<i>Pigeons and Doves</i>				
Rock pigeon	<i>Columba livia</i>	X	X	---
Mourning dove	<i>Zeniada macroura</i>	X	X	---
<i>Cuckoos</i>				
Black-billed cuckoo	<i>Coccyzus erythrophthalmus</i>	---	---	---
Yellow-billed cuckoo	<i>Coccyzus americanus</i>	---	---	*
<i>Owls</i>				
Eastern screech owl	<i>Otus asio</i>	---	X	---
Flammulated owl	<i>Otus flammeolus</i>	---	---	*
Long-eared owl	<i>Asio otus</i>	---	---	*
Great horned owl	<i>Bubo virginianus</i>	X	X	---
Northern saw-whet owl	<i>Aegolius acadicus</i>	X	---	*
<i>Goatsuckers</i>				
Common nighthawk	<i>Chordeilus minor</i>	---	---	---
Common poorwill	<i>Phalaenoptilus nuttallii</i>	---	X	*
<i>Swifts</i>				
White-throated swift	<i>Aeronautes saxatalis</i>	---	X	---
<i>Hummingbirds</i>				
Calliope hummingbird	<i>Stellula calliope</i>	---	---	---
Broad-tailed hummingbird	<i>Selasphorus platycercus</i>	---	X	---

POTENTIAL[†] AND DOCUMENTED AVIAN SPECIES LIST (CONTINUED)

Common name	Scientific Name	Recorded within the WGRE Survey Area	Recorded in vicinity ††	Special Status Designation †††
<i>Hummingbirds (Continued)</i>				
Rufous hummingbird	<i>Selasphorus rufus</i>	---	---	---
<i>Kingfishers</i>				
Belted kingfisher	<i>Ceryle alcyon</i>	---	X	---
<i>Woodpeckers</i>				
Lewis' woodpecker	<i>Melanerpes lewis</i>	---	---	*
Red-headed woodpecker	<i>Melanerpes erythrocephalus</i>	---	X	---
Red-naped sapsucker	<i>Sphyrapicus nuchalis</i>	X	X	---
Yellow-bellied sapsucker	<i>Sphyrapicus varius</i>	---	X	---
Hairy woodpecker	<i>Picoides villosus</i>	X	X	---
Downy woodpecker	<i>Picoides pubescens</i>	X	X	---
American three-toed woodpecker	<i>Picoides tridactylus</i>	X	X	*
Black-backed woodpecker	<i>Picoides arcticus</i>	---	X	*
Northern flicker	<i>Colaptes auratus</i>	X	X	---
<i>Flycatchers</i>				
Olive-sided flycatcher	<i>Contopus cooperi</i>	---	X	*
Western wood pewee	<i>Contopus sordidulus</i>	X	X	---
Least flycatcher	<i>Empidonax minimus</i>	---	X	---
Hammond's flycatcher	<i>Empidonax hammondi</i>	---	X	---
Dusky flycatcher	<i>Empidonax oberholseri</i>	---	X	---
Cordilleran flycatcher	<i>Empidonax occidentalis</i>	---	X	---
Eastern phoebe	<i>Sayornis phoebe</i>	---	---	---
Say's phoebe	<i>Sayornis saya</i>	---	---	---
Western kingbird	<i>Tyrannus verticalis</i>	---	X	---
Eastern kingbird	<i>Tyrannus tyrannus</i>	---	---	---
<i>Larks</i>				
Horned lark	<i>Eremophila alpestris</i>	---	X	---
<i>Swallows</i>				
Tree swallow	<i>Tachycineta bicolor</i>	---	X	---
Violet-green swallow	<i>Tachycineta thalassina</i>	---	X	---

POTENTIAL[†] AND DOCUMENTED AVIAN SPECIES LIST (CONTINUED)

Common name	Scientific Name	Recorded within the WGRE Survey Area	Recorded in vicinity ††	Special Status Designation †††
Swallows (Continued)				
Cliff swallow	<i>Hirundo pyrrhonota</i>	---	X	---
Barn swallow	<i>Hirundo rustica</i>	---	X	---
Jays, Magpies, and Crows				
Gray jay	<i>Perisoreus canadensis</i>	X	X	---
Blue jay	<i>Cyanocitta cristata</i>	X	X	---
Pinyon jay	<i>Gymnorhinus cyanocephalus</i>	X	---	---
Clark's nutcracker	<i>Nucifraga columbiana</i>	---	---	*
Black-billed magpie	<i>Pica hudsonicus</i>	X	---	---
American crow	<i>Corvus brachyrhynchos</i>	X	X	---
Chickadees				
Black-capped chickadee	<i>Parus atricapillus</i>	X	X	---
Nuthatches				
Red-breasted nuthatch	<i>Sitta canadensis</i>	X	X	---
White-breasted nuthatch	<i>Sitta carolinensis</i>	X	X	---
Pygmy nuthatch	<i>Sitta pygmaea</i>	---	---	*
Creepers				
Brown creeper	<i>Certhia americana</i>	X	X	*
Wrens				
Rock wren	<i>Salpinctes obsoletus</i>	---	X	---
Canyon wren	<i>Catherpes mexicanus</i>	---	X	---
House wren	<i>Troglodytes aedon</i>	X	X	---
Dippers				
American dipper	<i>Cinclus mexicanus</i>	---	X	ST
Gnatcatchers and Kinglets				
Golden-crowned kinglet	<i>Regulus satrapa</i>	X	X	---
Ruby-crowned kinglet	<i>Regulus calendula</i>	X	X	---
Thrushes				
Eastern bluebird	<i>Sialia sialia</i>	---	X	---
Mountain bluebird	<i>Sialia currucoides</i>	X	X	---

POTENTIAL[†] AND DOCUMENTED AVIAN SPECIES LIST (CONTINUED)

Common name	Scientific Name	Recorded within the WGRE Survey Area	Recorded in vicinity ††	Special Status Designation †††
<i>Thrushes (Continued)</i>				
Townsend's solitaire	<i>Myadestes townsendi</i>	X	X	---
Veery	<i>Catharus fuscescens</i>	---	X	*
Swainson's thrush	<i>Catharus ustulatus</i>	X	X	---
American robin	<i>Turdus migratorius</i>	X	X	---
<i>Mockingbirds and Thrashers</i>				
Gray catbird	<i>Dumetella carolinensis</i>	---	---	---
Brown thrasher	<i>Toxostoma rufum</i>	---	---	---
<i>Wagtails and Pipits</i>				
American pipit	<i>Anthus rubescens</i>	---	X	---
<i>Waxwings</i>				
Bohemian waxwing	<i>Bombycilla garrulous</i>	---	X	---
Cedar waxwing	<i>Bombycilla cedrorum</i>	---	X	---
<i>Shrikes</i>				
Northern shrike	<i>Lanius excubitor</i>	X	X	---
Loggerhead shrike	<i>Lanius ludovicianus</i>	---	X	*
<i>Starlings</i>				
European starling	<i>Sturnus vulgarus</i>	---	---	---
<i>Vireos</i>				
Plumbeous vireo	<i>Vireo plumbeus</i>	---	X	---
Bell's vireo	<i>Vireo bellii</i>	---	X	---
Warbling vireo	<i>Vireo gilvus</i>	X	X	---
Red-eyed vireo	<i>Vireo olivaceus</i>	---	X	---
<i>Warblers</i>				
Tennessee warbler	<i>Oreothlypis peregrine</i>	---	X	---
Orange-crowned warbler	<i>Oreothlypis celata</i>	X	---	---
Blackburnian warbler	<i>Dendroica fusca</i>	X	X	---
Yellow warbler	<i>Dendroica petechia</i>	X	X	---
Yellow-rumped warbler	<i>Dendroica coronata</i>	X	X	---

POTENTIAL[†] AND DOCUMENTED AVIAN SPECIES LIST (CONTINUED)

Common name	Scientific Name	Recorded within the WGRE Survey Area	Recorded in vicinity ††	Special Status Designation †††
<i>Warblers (Continued)</i>				
Townsend's warbler	<i>Dendroica townsendi</i>	---	X	---
Blackpoll warbler	<i>Dendroica striata</i>	---	X	---
Black-and-white warbler	<i>Mniotilta varia</i>	---	---	*
American redstart	<i>Setophaga ruticilla</i>	---	X	---
Ovenbird	<i>Seiurus aurocapillus</i>	X	X	---
MacGillivray's warbler	<i>Oporornis tolmiei</i>	X	X	---
Common yellowthroat	<i>Geothlypis trichas</i>	---	X	---
Wilson's warbler	<i>Wilsonia pusilla</i>	---	---	---
Yellow-breasted chat	<i>Icteria virens</i>	---	X	---
<i>Tanagers</i>				
Western tanager	<i>Piranga ludoviciana</i>	X	X	---
<i>Grosbeaks and Buntings</i>				
Rose-breasted grosbeak	<i>Pheucticus ludovicianus</i>	---	---	---
Black-headed grosbeak	<i>Pheucticus melanocephalus</i>	---	X	---
Blue grosbeak	<i>Guiraca caerulea</i>	---	---	---
Lazuli bunting	<i>Passerina amoena</i>	---	---	---
Indigo bunting	<i>Passerina cyanea</i>	---	---	---
Dickcissel	<i>Spiza americana</i>	---	---	---
<i>Towhees, Sparrows, Juncos, and Longspurs</i>				
Spotted towhee	<i>Pipilo maculatus</i>	X	X	---
American tree sparrow	<i>Spizella arborea</i>	---	---	---
Chipping sparrow	<i>Spizella passerine</i>	X	X	---
Clay-colored sparrow	<i>Spizella pallid</i>	---	---	---
Field sparrow	<i>Spizella pusilla</i>	---	---	---
Vesper sparrow	<i>Pooecetes gramineus</i>	---	X	---
Lark sparrow	<i>Chondestes grammacus</i>	---	X	---
Lark bunting	<i>Calamospiza melanocorys</i>	---	X	---
Song sparrow	<i>Melospiza melodia</i>	X	X	---

POTENTIAL[†] AND DOCUMENTED AVIAN SPECIES LIST (CONTINUED)

Common name	Scientific Name	Recorded within the WGRE Survey Area	Recorded in vicinity ††	Special Status Designation †††
<i>Towhees, Sparrows, Juncos, and Longspurs (Continued)</i>				
White-throated sparrow	<i>Zonotrichia albicollis</i>	---	---	---
White-crowned sparrow	<i>Zonotrichia leucophrys</i>	---	---	---
Harris' sparrow	<i>Zonotrichia querula</i>	---	X	---
Dark-eyed junco	<i>Junco hyemalis</i>	X	X	---
Chestnut-collared longspur	<i>Calcarius ornatus</i>	---	X	---
Snow bunting	<i>Plectrophenax nivalis</i>	---	X	---
<i>Blackbirds, Meadowlarks, and Orioles</i>				
Red-winged blackbird	<i>Agelaius phoeniceus</i>	---	X	---
Western meadowlark	<i>Sturnella neglecta</i>	---	X	---
Brewer's blackbird	<i>Euphagus cyanocephalus</i>	---	X	---
Common grackle	<i>Quiscalus quiscula</i>	---	X	---
Brown-headed cowbird	<i>Molothrus ater</i>	X	X	---
Orchard oriole	<i>Icterus spurius</i>	---	---	---
Bullock's oriole	<i>Icterus bullockii</i>	X	X	---
<i>Finches</i>				
Gray-crowned rosy-finch	<i>Leucosticte tephrocotis</i>	---	X	---
Pine grosbeak	<i>Pinicola enucleator</i>	---	X	---
Purple finch	<i>Carpodacus purpureus</i>	---	---	---
Cassin's finch	<i>Carpodacus cassinii</i>	X	X	*
Red crossbill	<i>Loxia curvirostra</i>	X	X	---
White-winged crossbill	<i>Loxia leucoptera</i>	---	---	---
Common redpoll	<i>Acanthis flammea</i>	---	X	---
Pine siskin	<i>Spinus pinus</i>	X	X	---
American goldfinch	<i>Spinus tristis</i>	X	X	---
Evening grosbeak	<i>Coccothraustes vespertinus</i>	---	X	---
<i>Weaver Finches</i>				
House sparrow	<i>Passer domesticus</i>	---	---	---

POTENTIAL[†] AND DOCUMENTED REPTILE AND AMPHIBIAN SPECIES LIST

Common name	Scientific Name	Recorded within the WGRE Survey Area	Recorded in vicinity ††	Special Status Designation †††
<i>Salamanders</i>				
Tiger salamander	<i>Ambystoma tigrinum</i>	---	---	---
<i>Frogs and Toads</i>				
Northern leopard frog	<i>Rana pipiens</i>	---	X	*
Boreal chorus frog	<i>Pseudacris triseriata</i>	X	X	---
<i>Lizards</i>				
Short-horned lizard	<i>Phrynosoma hernandesi</i>	---	---	*
<i>Snakes</i>				
Eastern yellowbelly racer	<i>Coluber constrictor</i>	---	---	---
Smooth green snake	<i>Liochlorophis vernalis</i>	X	X	*
Black hills redbelly snake	<i>Storeria occipitomaculata pahasapae</i>	---	---	*
Pale milk snake	<i>Lampropeltis triangulum multistriata</i>	---	---	---
Bullsnake	<i>Pituophis melanoleucas sayi</i>	---	---	---
Western terrestrial (wandering) garter snake	<i>Thamnophis elegans</i>	---	X	---
Common garter snake	<i>Thamnophis sirtalis</i>	---	---	---

† POTENTIAL OCCURRENCE--list derived from range and habitat information in Sharps and Benzon (1984), SDOU (1991), and Peterson (1990). The species listed include those which might pass through the study area, or vicinity, during migration.

†† RECORDED IN VICINITY--based on observations from the following studies in the Wharf area: Golden Reward baseline or monitoring, Wharf baseline or monitoring, Ragged Top Project baseline, Minerva Project baseline, and Clinton baselines or monitoring.

††† LT = federally-listed, threatened; LE = federally-listed, endangered; ST = state-listed, threatened; SE=state-listed, endangered. * = species is included on either the South Dakota Natural Heritage Program or U.S. Forest Service sensitive species lists.