

Appendix A. Fish and wildlife resources recorded in the Otter Creek Mine study area.

Species	Legal Status <sup>1</sup>	Preferred and/or breeding habitat in Otter Creek Mine area <sup>2</sup>	Year			
			1979-1980 <sup>3</sup>	2010-2011 <sup>2</sup>	2011-2012 <sup>4</sup>	2012-2013
<b>FISH<sup>5</sup></b>						
<i>Perciformes</i>						
Green sunfish ( <i>Lepomis cyanellus</i> )		Yes		X	X	MTNHP <sup>11</sup>
Pumpkinseed ( <i>Lepomis gibbosus</i> )		Yes		X	X	MTNHP
Rock bass ( <i>Ambloplites rupestris</i> )		No				
Smallmouth bass ( <i>Micropterus dolomeiu</i> )		Yes				
White crappie ( <i>Pomoxis annularis</i> )		No				
Walleye ( <i>Sander vitreus</i> )		No				
<i>Siluriformes</i>						
Stonecat ( <i>Noturus flavus</i> )		Yes				
Channel catfish ( <i>Ictalurus punctatus</i> )		No				
Black bullhead ( <i>Ameiurus melas</i> )		Yes		X	X	MTNHP
Yellow bullhead ( <i>Ameiurus natalis</i> )		No? <sup>6</sup>				
<i>Cypriniformes</i>						
Brassy minnow ( <i>Hybognathus hankinsoni</i> )		Yes		X	X	MTNHP
Plains minnow ( <i>Hybognathus placitus</i> )		Yes?				
Western silvery minnow ( <i>Hybognathus argyritus</i> )		Yes?				
Fathead minnow ( <i>Pimephales promelas</i> )		Yes		X	X	MTNHP
Flathead chub ( <i>Platygobio gracilis</i> )		Yes				
Golden shiner ( <i>Notemigonus crysoleucas</i> )		Yes			X	MTNHP
Sand shiner ( <i>Notropis stramineus</i> )		Yes		X	X	MTNHP
Lake chub ( <i>Couesius plumbeus</i> )		Yes		X	X	MTNHP
Common carp ( <i>Cyprinus carpio</i> )		Yes		X	X	MTNHP
River carpsucker ( <i>Carpionodes carpio</i> )		No				
Shorthead redhorse ( <i>Moxostoma macrolepidotum</i> )		Yes				
White sucker ( <i>Catostomus commersoni</i> )		Yes		X	X	MTNHP
<b>AMPHIBIANS<sup>5</sup></b>						
<i>Caudata</i>						
Tiger salamander ( <i>Ambystoma tigrinum</i> )		Yes		X	X	MTNHP
<i>Anura</i>						
Woodhouse's toad ( <i>Bufo woodhouseii</i> )		Yes		X	X	MTNHP
Great Plains toad ( <i>Bufo cognatus</i> ) <sup>7</sup>		Yes				
Boreal chorus frog ( <i>Pseudacris maculata</i> )		Yes		X	X	MTNHP
Northern leopard frog ( <i>Rana pipiens</i> )		Yes		X	X	MTNHP
Plains spadefoot ( <i>Spea bombifrons</i> )		Yes				
<b>REPTILES<sup>5</sup></b>						
<i>Testudines</i>						
Snapping turtle ( <i>Chelydra serpentina</i> )		Yes		X	X	MTNHP
Painted turtle ( <i>Chrysemys picta</i> )		Yes		X	X	MTNHP
Spiny softshell ( <i>Apalone spinifera</i> )		Yes				
<i>Squamata</i>						
Common sagebrush lizard ( <i>Sceloporus graciosus</i> )		Yes				
Greater short-horned lizard ( <i>Phrynosoma hernandesi</i> )		Yes		X	X	
Western hog-nosed snake ( <i>Heterodon nasicus</i> )		Yes		X		
Eastern racer ( <i>Coluber constrictor</i> )		Yes		X	X	
Gophersnake ( <i>Pituophis catenifer</i> )		Yes		X	X	MTNHP
Milksnake ( <i>Lampropeltis triangulum</i> )		Yes				
Common gartersnake ( <i>Thamnophis sirtalis</i> )		Yes			X	
Terrestrial gartersnake ( <i>Thamnophis elegans</i> )		Yes		X	X	MTNHP
Plains gartersnake ( <i>Thamnophis radix</i> )		Yes				
Prairie rattlesnake ( <i>Crotalus viridis</i> )		Yes		X	X	MTNHP

Appendix A (continued).

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<b>MAMMALS<sup>5</sup></b>						
<i>Lipotyphla</i>						
Masked shrew ( <i>Sorex cinereus</i> )		Yes				
Hayden's shrew ( <i>Sorex haydeni</i> )		Yes				
<b>Merriam's shrew (<i>Sorex merriami</i>)</b>		Yes				
Dwarf shrew ( <i>Sorex nanus</i> )		Yes				
<i>Chiroptera</i>						
<b>Pallid bat (<i>Antrozous pallidus</i>)</b>		Yes		X		
<b>Townsend's big-eared bat (<i>Corynorhinus townsendii</i>)</b>		Yes				
Big brown bat ( <i>Eptesicus fuscus</i> )		Yes		X		
<b>Silver-haired bat (<i>Lasionycteris noctivagans</i>)</b>		Yes		X		
<b>Eastern red bat (<i>Lasiurus borealis</i>)</b>		Yes		X		
<b>Hoary bat (<i>Lasiurus cinereus</i>)</b>		Yes		X		
<b>Western small-footed myotis (<i>Myotis ciliolabrum</i>)</b>		Yes		X		
Long-eared myotis ( <i>Myotis evotis</i> )		Yes		X		
<b>Little brown myotis (<i>Myotis lucifugus</i>)</b>		Yes		X		
<b>Fringed myotis (<i>Myotis thysanodes</i>)</b>		Yes		X		
Long-legged myotis ( <i>Myotis volans</i> )		Yes		X		
<b>Spotted bat (<i>Euderma maculatum</i>)</b>		Yes?				
<i>Lagomorpha</i>						
Desert cottontail ( <i>Sylvilagus audubonii</i> )		Yes		X	X	X
White-tailed jackrabbit ( <i>Lepus townsendii</i> )		Yes				X
<i>Rodentia</i>						
Beaver ( <i>Castor canadensis</i> )		Yes		X		X
<b>Meadow jumping mouse (<i>Zapus hudsonius</i>)</b>		Yes				
<b>Porcupine (<i>Erethizon dorsatum</i>)</b>		Yes		X	X	X
Northern pocket gopher ( <i>Thomomys talpoides</i> )		Yes		X	X	X
Ord's kangaroo rat ( <i>Dipodomys ordii</i> )		Yes				
Olive-backed pocket mouse ( <i>Perognathus fasciatus</i> )		Yes		X		
Sagebrush vole ( <i>Lemmyscus curtatus</i> )		Yes		X		
Long-tailed vole ( <i>Microtus longicaudus</i> )		Yes				
Meadow vole ( <i>Microtus pennsylvanicus</i> )		Yes		X		
Prairie vole ( <i>Microtus ochrogaster</i> )		Yes		X		
House mouse ( <i>Mus musculus</i> )		Yes				
Bushy-tailed woodrat ( <i>Neotoma cinerea</i> )		Yes		X		
Muskrat ( <i>Ondatra zibethicus</i> )		Yes		X	X	X
Northern grasshopper mouse ( <i>Onychomys leucogaster</i> )		Yes		X		
<b>White-footed mouse (<i>Peromyscus leucopus</i>)</b>		Yes				
Deer mouse ( <i>Peromyscus maniculatus</i> )		Yes		X		X
Norway rat ( <i>Rattus norvegicus</i> )		Yes				
Western harvest mouse ( <i>Reithrodontomys megalotis</i> )		Yes		X		
<b>Black-tailed prairie dog (<i>Cynomys ludovicianus</i>)</b>		Yes		X	X	X
Yellow-bellied marmot ( <i>Marmota flaviventris</i> )		Yes				
Eastern fox squirrel ( <i>Sciurus niger</i> )		Yes				
Thirteen-lined ground squirrel ( <i>Spermophilus tridecemlineatus</i> )		Yes		X	X	X
Least chipmunk ( <i>Tamias minimus</i> )		Yes		X	X	X
Red squirrel ( <i>Tamiasciurus hudsonicus</i> )		Yes				
<i>Carnivora</i>						
Coyote ( <i>Canis latrans</i> )		Yes		X	X	X
Gray wolf ( <i>Canis lupus</i> )		Yes				
<b>Swift fox (<i>Vulpes velox</i>)</b>		No				

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Red fox ( <i>Vulpes vulpes</i> )		Yes		X		X
Bobcat ( <i>Lynx rufus</i> )		Yes		X		X
Mountain lion ( <i>Puma concolor</i> )		Yes				
Striped skunk ( <i>Mephitis mephitis</i> )		Yes		X	X	X
Northern river otter ( <i>Lontra Canadensis</i> )		No				
Long-tailed weasel ( <i>Mustela frenata</i> )		Yes				
<b>Black-footed ferret (<i>Mustela nigripes</i>)</b>	LE	No				
Least weasel ( <i>Mustela nivalis</i> )		Yes				
American mink ( <i>Mustela vison</i> )		Yes		X		X
Badger ( <i>Taxidea taxus</i> )		Yes		X	X	X
Raccoon ( <i>Procyon lotor</i> )		Yes		X		X
Black bear ( <i>Ursus americanus</i> )		Yes		X	X	
<b>Artiodactyla</b>						
Pronghorn ( <i>Antilocapra americana</i> )		Yes		X	X	X
Mule deer ( <i>Odocoileus hemionus</i> )		Yes		X	X	X
White-tailed deer ( <i>Odocoileus virginianus</i> )		Yes		X	X	
Elk ( <i>Cervus elaphus</i> )		Yes		X		X
<b>BIRDS<sup>8</sup></b>						
<b>Anseriformes</b>						
Tundra swan ( <i>Cygnus columbianus</i> )		No				
<b>Trumpeter swan (<i>Cygnus buccinator</i>)</b>		No				
Snow goose ( <i>Chen caerulescens</i> )		No				
Ross' goose ( <i>Chen rossii</i> )		No				
Greater white-fronted goose ( <i>Anser albifrons</i> )		No				
Canada goose ( <i>Branta canadensis</i> )		Yes		X	X	X
Wood duck ( <i>Aix sponsa</i> )		Yes		X	X	
Green-winged teal ( <i>Anas crecca</i> )		Yes			X	X
Mallard ( <i>Anas platyrhynchos</i> )		Yes		X	X	X
Northern pintail ( <i>Anas acuta</i> )		Yes			X	
Blue-winged teal ( <i>Anas discors</i> )		Yes		X	X	X
Cinnamon teal ( <i>Anas cyanoptera</i> )		Yes				
Northern shoveler ( <i>Anas clypeata</i> )		Yes			X	X
Gadwall ( <i>Anas strepera</i> )		Yes		X		
American wigeon ( <i>Anas americana</i> )		Yes		X		X
Eurasian wigeon ( <i>Anas penelope</i> )		Yes				
Canvasback ( <i>Aythya valisineria</i> )		No				
Redhead ( <i>Aythya americana</i> )		No				X
Ring-necked duck ( <i>Aythya collaris</i> )		No				
Lesser scaup ( <i>Aythya affinis</i> )		No				
Greater scaup ( <i>Aythya marila</i> )		No				
Long-tailed duck ( <i>Clangula hyemalis</i> )		No				
White-winged scoter ( <i>Melanitta fusca</i> )		No				
Surf scoter ( <i>Melanitta perspicillata</i> )		No				
Common goldeneye ( <i>Bucephala clangula</i> )		No				
<b>Barrow's goldeneye (<i>Bucephala islandica</i>)</b>		No				
Bufflehead ( <i>Bucephala albeola</i> )		No				
<b>Hooded merganser (<i>Lophodytes cucullatus</i>)</b>		No				
Common merganser ( <i>Mergus merganser</i> )		No				
Red-breasted merganser ( <i>Mergus serrator</i> )		No				
Ruddy duck ( <i>Oxyura jamaicensis</i> )		Yes		X	X	
<b>Galliformes</b>						
Gray partridge ( <i>Perdix perdix</i> )		Yes		X	X	
Ring-necked pheasant ( <i>Phasianus colchicus</i> )		Yes		X	X	X
Ruffed grouse ( <i>Bonasa umbellus</i> )		No				
<b>Greater sage-grouse (<i>Centrocercus urophasianus</i>)</b>	C	Yes		X		
Sharp-tailed grouse ( <i>Tympanuchus phasianellus</i> )		Yes		X	X	X
Wild turkey ( <i>Meleagris gallopavo</i> )		Yes			X	X

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<b>Gaviiformes</b>						
<b>Common loon (<i>Gavia immer</i>)</b>		No				
Pacific loon ( <i>Gavia pacifica</i> )		No				
<b>Podicipediformes</b>						
<b>Clark's grebe (<i>Aechmophorus clarkii</i>)</b>		No				
Western grebe ( <i>Aechmophorus occidentalis</i> )		No				
<b>Horned grebe (<i>Podiceps auritus</i>)</b>		Yes				
Red-necked grebe ( <i>Podiceps grisegena</i> )		Yes				
Eared grebe ( <i>Podiceps nigricollis</i> )		Yes				
Pied-billed grebe ( <i>Podilymbus podiceps</i> )		Yes		X		X
<b>Suliformes</b>						
Double-crested cormorant ( <i>Phalacrocorax auritus</i> )		No				
<b>Pelecaniformes</b>						
<b>Great blue heron (<i>Ardea herodias</i>)</b>		Yes		X	X	X
<b>American bittern (<i>Botaurus lentiginosus</i>)</b>		No				
Snowy egret ( <i>Egretta thula</i> )		No				
<b>Black-crowned night-heron (<i>Nycticorax nycticorax</i>)</b>		No				
<b>American white pelican (<i>Pelecanus erythrorhynchos</i>)</b>		No				
<b>White-faced Ibis (<i>Plegadis chihi</i>)</b>		No				
<b>Accipitriformes</b>						
Turkey vulture ( <i>Cathartes aura</i> )		Yes		X	X	
Osprey ( <i>Pandion haliaetus</i> )		No				
<b>Bald eagle (<i>Haliaeetus leucocephalus</i>)</b>		Yes		X	X	X
Northern harrier ( <i>Circus cyaneus</i> )		Yes		X	X	X
Sharp-shinned hawk ( <i>Accipiter striatus</i> )		Yes				
Cooper's hawk ( <i>Accipiter cooperii</i> )		Yes		X		
<b>Northern goshawk (<i>Accipiter gentilis</i>)</b>		Yes				
Broad-winged hawk ( <i>Buteo platypterus</i> )		Yes				
Swainson's hawk ( <i>Buteo swainsoni</i> )		Yes				X
Red-tailed hawk ( <i>Buteo jamaicensis</i> )		Yes		X	X	X
<b>Ferruginous hawk (<i>Buteo regalis</i>)</b>		Yes				
Rough-legged hawk ( <i>Buteo lagopus</i> )		Yes		X	X	X
<b>Golden eagle (<i>Aquila chrysaetos</i>)</b>		Yes		X	X	X
<b>Falconiformes</b>						
American kestrel ( <i>Falco sparverius</i> )		Yes		X	X	X
Merlin ( <i>Falco columbarius</i> )		Yes			X	
<b>Peregrine falcon (<i>Falco peregrines</i>)</b>		No				
Gyrfalcon ( <i>Falco rusticolus</i> )		No				
Prairie falcon ( <i>Falco mexicanus</i> )		Yes		X	X	X
<b>Gruiformes</b>						
Virginia rail ( <i>Rallus limicola</i> )		Yes				
Sora ( <i>Porzana carolina</i> )		Yes				
American coot ( <i>Fulica americana</i> )		Yes		X	X	
Sandhill crane ( <i>Grus canadensis</i> )		Yes		X	X	X
<b>Charadriiformes</b>						
Black-bellied plover ( <i>Pluvialis squatarola</i> )		Yes				
American golden-plover ( <i>Pluvialis dominicus</i> )		Yes				
<b>Piping plover (<i>Charadrius melodus</i>)</b>	LT,CH	No				
Semipalmated plover ( <i>Charadrius semipalmatus</i> )		No				
<b>Mountain plover (<i>Charadrius montanus</i>)</b>		Yes				
Killdeer ( <i>Charadrius vociferous</i> )		Yes		X	X	X
American avocet ( <i>Recurvirostra americana</i> )		Yes				
<b>Black-necked stilt (<i>Himantopus mexicanus</i>)</b>		No				
Greater yellowlegs ( <i>Tringa melanoleuca</i> )		No				
Lesser yellowlegs ( <i>Tringa flavipes</i> )		Yes		X		

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Solitary sandpiper ( <i>Tringa solitaria</i> )		Yes				
Willet ( <i>Catoptrophorus semipalmatus</i> )		Yes				X
Spotted sandpiper ( <i>Actitis macularius</i> )		No?			X	
Upland sandpiper ( <i>Bartramia longicauda</i> )		Yes		X	X	X
Whimbrel ( <i>Numenius phaeopus</i> )		No				
<b>Long-billed curlew (<i>Numenius americanus</i>)</b>		Yes				
Marbled godwit ( <i>Limosa fedoa</i> )		No				
<b>Red knot (<i>Calidris canutus</i>)</b>	PT	No				
Sanderling ( <i>Calidris alba</i> )		No				
Dunlin ( <i>Calidris alpina</i> )		No				
Pectoral sandpiper ( <i>Calidris melanotos</i> )		Yes				
White-rumped sandpiper ( <i>Calidris fuscicollis</i> )		No?				
Baird's sandpiper ( <i>Calidris bairdii</i> )		Yes?				
Western sandpiper ( <i>Calidris mauri</i> )		No				
Semipalmated sandpiper ( <i>Calidris pusilla</i> )		No				
Least sandpiper ( <i>Calidris minutilla</i> )		No				
Stilt sandpiper ( <i>Calidris himantopus</i> )		Yes?				
Long-billed dowitcher ( <i>Limnodromus scolopaceus</i> )		No				
Wilson's snipe ( <i>Gallinago delicata</i> )		Yes		X	X	X
Wilson's phalarope ( <i>Phalaropus tricolor</i> )		No?				X
Red-necked phalarope ( <i>Phalaropus lobatus</i> )		No				
Bonaparte's gull ( <i>Chroicocephalus philadelphia</i> )		No				
<b>Franklin's gull (<i>Leucophaeus pipixcan</i>)</b>		No				
Mew gull ( <i>Larus canas</i> )		No				
Ring-billed gull ( <i>Larus delawarensis</i> )		No				
California gull ( <i>Larus californicus</i> )		No				
Herring gull ( <i>Larus argentatus</i> )		No				
Thayer's gull ( <i>Larus thayeri</i> )		No				
Glaucous gull ( <i>Larus hyperboreus</i> )		No				
<b>Caspian tern (<i>Hydroprogne caspia</i>)</b>		No				
<b>Common tern (<i>Sterna hirundo</i>)</b>		No				
<b>Arctic tern (<i>Sterna paradisaea</i>)</b>		No				
<b>Forster's tern (<i>Sterna forsteri</i>)</b>		No				
<b>Black tern (<i>Chlidonias niger</i>)</b>		No				
<b>Columbiformes</b>						
Rock pigeon ( <i>Columba livia</i> )		Yes				
Eurasian collared-dove ( <i>Streptopelia decaocto</i> )		Yes?			X	X
Mourning dove ( <i>Zenaida macroura</i> )		Yes		X	X	X
<b>Cuculiformes</b>						
<b>Black-billed cuckoo (<i>Coccyzus erythrophthalmus</i>)</b>		Yes; very limited				
<b>Yellow-billed cuckoo (<i>Coccyzus americanus</i>)</b>		Yes; very limited				
<b>Strigiformes</b>						
Barn owl ( <i>Tyto alba</i> )		Yes				
<b>Eastern screech-owl (<i>Megascops asio</i>)</b>		Yes; very limited		X		
Great horned owl ( <i>Bubo virginianus</i> )		Yes		X	X	X
Snowy owl ( <i>Bubo scandiacus</i> )		Yes				
<b>Burrowing owl (<i>Athene cunicularia</i>)</b>		Yes		X	X	X
Long-eared owl ( <i>Asio otus</i> )		Yes		X		
<b>Short-eared owl (<i>Asio flammeus</i>)</b>		Yes			X	
Northern saw-whet owl ( <i>Aegolius acadicus</i> )		Yes				
<b>Caprimulgiformes</b>						
Common nighthawk ( <i>Chordeiles minor</i> )		Yes		X	X	X
<b>Common poorwill (<i>Phalaenoptilus nuttallii</i>)</b>		Yes		X		
<b>Apodiformes</b>						
<b>Chimney swift (<i>Chaetura pelagic</i>)</b>		Yes				
White-throated swift ( <i>Aeronautes saxatalis</i> )		Yes		X	X	X

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<i>Coraciiformes</i>						
Belted kingfisher ( <i>Megaceryle alcyon</i> )		Yes			X	
<i>Piciformes</i>						
Lewis's woodpecker ( <i>Melanerpes lewis</i> )		Yes				
Red-headed woodpecker ( <i>Melanerpes erythrocephalus</i> )		Yes				X
Red-naped sapsucker ( <i>Sphyrapicus nuchalis</i> )		Yes		X		
Downy woodpecker ( <i>Picoides pubescens</i> )		Yes		X		X
Hairy woodpecker ( <i>Picoides villosus</i> )		Yes		X	X	X
Black-backed woodpecker ( <i>Picoides arcticus</i> )		Yes?				
Northern flicker ( <i>Colaptes auratus</i> )		Yes		X	X	X
<i>Passeriformes</i>						
Olive-sided flycatcher ( <i>Contopus cooperi</i> )		Yes?				
Western wood-pewee ( <i>Contopus sordidulus</i> )		Yes		X	X	X
Willow flycatcher ( <i>Empidonax traillii</i> )		No				
Least flycatcher ( <i>Empidonax minimus</i> )		Yes		X	X	X
Dusky flycatcher ( <i>Empidonax oberholseri</i> )		Yes				
Say's phoebe ( <i>Sayornis saya</i> )		Yes		X	X	X
Cassin's kingbird ( <i>Tyrannus vociferans</i> )		Yes		X	X	X
Western kingbird ( <i>Tyrannus verticalis</i> )		Yes		X	X	X
Eastern kingbird ( <i>Tyrannus tyrannus</i> )		Yes		X	X	X
Loggerhead shrike ( <i>Lanius ludovicianus</i> )		Yes		X	X	X
Northern shrike ( <i>Lanius excubitor</i> )		Yes				X
Plumbeous vireo ( <i>Vireo plumbeus</i> )		Yes				
Warbling vireo ( <i>Vireo gilvus</i> )		Yes				
Red-eyed Vireo ( <i>Vireo olivaceus</i> )		Yes				
Pinyon jay ( <i>Gymnorhinus cyanocephalus</i> )		Yes		X	X	X
Blue jay ( <i>Cyanocitta cristata</i> )		Yes				
Clark's nutcracker ( <i>Nucifraga columbiana</i> )		Yes		X		
Black-billed magpie ( <i>Pica hudsonia</i> )		Yes		X	X	X
American crow ( <i>Corvus brachyrhynchos</i> )		Yes		X	X	X
Common raven ( <i>Corvus corax</i> )		Yes		X	X	X
Horned lark ( <i>Eremophila alpestris</i> )		Yes		X	X	X
Purple martin ( <i>Progne subis</i> )		Yes				
Tree swallow ( <i>Tachycineta bicolor</i> )		Yes		X	X	X
Violet-green swallow ( <i>Tachycineta thalassina</i> )		Yes		X		
Northern rough-winged swallow ( <i>Stelgidopteryx serripennis</i> )		Yes		X		
Bank swallow ( <i>Riparia riparia</i> )		Yes?			X	X
Cliff swallow ( <i>Petrochelidon pyrrhonota</i> )		Yes		X		X
Barn swallow ( <i>Hirundo rustica</i> )		Yes		X	X	X
Black-capped chickadee ( <i>Poecile atricapillus</i> )		Yes		X	X	X
White-breasted nuthatch ( <i>Sitta carolinensis</i> )		Yes		X	X	X
Red-breasted nuthatch ( <i>Sitta canadensis</i> )		Yes		X	X	X
Pygmy nuthatch ( <i>Sitta pygmaea</i> )		Yes		X		
Brown creeper ( <i>Certhia americana</i> )		Yes?				
Rock wren ( <i>Salpinctes obsoletus</i> )		Yes		X	X	X
Canyon wren ( <i>Catherpes mexicanus</i> )		Yes			X	
House wren ( <i>Troglodytes aedon</i> )		Yes		X	X	X
Marsh wren ( <i>Cistothorus palustris</i> )		No		X		X
Ruby-crowned kinglet ( <i>Regulus calendula</i> )		Yes?				
Eastern bluebird ( <i>Sialia sialis</i> )		Yes		X		
Western bluebird ( <i>Sialia mexicana</i> )		Yes				
Mountain bluebird ( <i>Sialia currucoides</i> )		Yes		X	X	X
Townsend's solitaire ( <i>Myadestes townsendi</i> )		Yes		X	X	X
Veery ( <i>Catharus fuscescens</i> )		Yes?				
Swainson's thrush ( <i>Catharus ustulatus</i> )		Yes				
Hermit thrush ( <i>Catharus guttatus</i> )		No				
American robin ( <i>Turdus migratorius</i> )		Yes		X	X	X

Appendix A (continued).

Species	Legal Status <sup>1</sup>	Preferred and/or breeding habitat in Otter Creek Mine area <sup>2</sup>	Year			
			1979-1980 <sup>3</sup>	2010-2011 <sup>2</sup>	2011-2012 <sup>4</sup>	2012-2013
Gray catbird ( <i>Dumetella carolinensis</i> )		Yes			X	X
Northern mockingbird ( <i>Mimus polyglottos</i> )		No				
<b>Sage thrasher (<i>Oreoscoptes montanus</i>)</b>		No				
Brown thrasher ( <i>Toxostoma rufum</i> )		Yes; limited		X	X	X
European starling ( <i>Sturnus vulgaris</i> )		Yes		X	X	X
American pipit ( <i>Anthus rubescens</i> )		Yes				
<b>Sprague's pipit (<i>Anthus spragueii</i>)</b>		Yes				
Bohemian waxwing ( <i>Bombycilla garrulous</i> )		Yes				
Cedar waxwing ( <i>Bombycilla cedrorum</i> )		Yes		X		
Lapland longspur ( <i>Calcarius lapponicus</i> )		Yes				
<b>Chestnut-collared longspur (<i>Calcarius ornatus</i>)</b>		Yes				
<b>McCown's longspur (<i>Rhynchophanes mccownii</i>)</b>		Yes				
Snow bunting ( <i>Plectrophenax nivalis</i> )		Yes		X	X	
<b>Ovenbird (<i>Seiurus aurocapillus</i>)</b>		No				
Northern waterthrush ( <i>Parkesia noveboracensis</i> )		No				
<b>Black-and-white warbler (<i>Mniotilta varia</i>)</b>		No?				
<b>Tennessee warbler (<i>Oreothlypis peregrine</i>)</b>		Yes				
Orange-crowned warbler ( <i>Oreothlypis celata</i> )		Yes				
Nashville warbler ( <i>Oreothlypis ruficapilla</i> )		Yes				
MacGillivray's warbler ( <i>Geothlypis tolmiei</i> )		Yes				
Common yellowthroat ( <i>Geothlypis trichas</i> )		Yes		X		X
American redstart ( <i>Setophaga ruticilla</i> )		Yes				
Cape May warbler ( <i>Setophaga tigrina</i> )		Yes?				
Magnolia warbler ( <i>Setophaga magnolia</i> )		Yes				
Yellow warbler ( <i>Setophaga petechia</i> )		Yes		X	X	X
Chestnut-sided warbler ( <i>Setophaga pensylvanica</i> )		Yes				
Blackpoll warbler ( <i>Setophaga striata</i> )		Yes				
Palm warbler ( <i>Setophaga pamarum</i> )		Yes				
Yellow-rumped warbler ( <i>Setophaga coronata</i> ) <sup>9</sup>		Yes		X	X	X
Townsend's warbler ( <i>Setophaga townsendi</i> )		Yes				
Canada warbler ( <i>Cardellina canadensis</i> )		Yes				
Wilson's warbler ( <i>Cardellina pusilla</i> )		No				
Yellow-breasted chat ( <i>Icteria virens</i> )		Yes; limited		X	X	X
<b>Green-tailed towhee (<i>Pipilo chlorurus</i>)</b>		Yes				
Spotted towhee ( <i>Pipilo maculatus</i> )		Yes		X	X	X
American tree sparrow ( <i>Spizella arborea</i> )		Yes		X		
Chipping sparrow ( <i>Spizella passerina</i> )		Yes		X	X	X
Clay-colored sparrow ( <i>Spizella pallida</i> )		Yes		X		X
<b>Brewer's sparrow (<i>Spizella breweri</i>)</b>		Yes		X		
Field sparrow ( <i>Spizella pusilla</i> )		Yes		X		
Vesper sparrow ( <i>Poocetes gramineus</i> )		Yes		X	X	X
Lark sparrow ( <i>Chondestes grammacus</i> )		Yes		X	X	X
Lark bunting ( <i>Calamospiza melanocorys</i> )		Yes		X	X	X
Savannah sparrow ( <i>Passerculus sandwichensis</i> )		Yes		X	X	X
Grasshopper sparrow ( <i>Ammodramus sавannarum</i> )		Yes		X	X	
<b>Baird's sparrow (<i>Ammodramus bairdii</i>)</b>		Yes		X		
Fox sparrow ( <i>Passerella iliaca</i> )		Yes				
Song sparrow ( <i>Melospiza melodia</i> )		Yes				
Lincoln's sparrow ( <i>Melospiza lincolni</i> )		No				
Swamp sparrow ( <i>Melospiza georgiana</i> )		No				
White-throated sparrow ( <i>Zonotrichia albicollis</i> )		No				

Appendix A (continued).

Species	Legal Status <sup>1</sup>	Preferred and/or breeding habitat in Otter Creek Mine area <sup>2</sup>	Year			
			1979-1980 <sup>3</sup>	2010-2011 <sup>2</sup>	2011-2012 <sup>4</sup>	2012-2013
Harris' sparrow ( <i>Zonotrichia querula</i> )		Yes				
White-crowned sparrow ( <i>Zonotrichia leucophrys</i> )		No?				
Dark-eyed junco ( <i>Junco hyemalis</i> ) <sup>10</sup>		Yes		X	X	X
Western tanager ( <i>Piranga ludoviciana</i> )		Yes		X	X	X
Rose-breasted grosbeak ( <i>Pheucticus ludovicianus</i> )		No				
Black-headed grosbeak ( <i>Pheucticus melanocephalus</i> )		Yes		X		
Blue grosbeak ( <i>Passerina caerulea</i> )		Yes?				
Lazuli bunting ( <i>Passerina amoena</i> )		Yes		X	X	X
Indigo bunting ( <i>Passerina cyanea</i> )		No				
<b>Dickcissel (<i>Spiza americana</i>)</b>		No				
<b>Bobolink (<i>Dolichonyx oryzivorus</i>)</b>		Yes				
Red-winged blackbird ( <i>Agelaius phoeniceus</i> )		Yes		X	X	X
Western meadowlark ( <i>Sturnella neglecta</i> )		Yes		X	X	X
Yellow-headed blackbird ( <i>Xanthocephalus xanthocephalus</i> )		No		X		
Rusty blackbird ( <i>Euphagus carolinus</i> )		Yes				
Brewer's blackbird ( <i>Euphagus cyanocephalus</i> )		Yes		X	X	X
Common grackle ( <i>Quiscalus quiscula</i> )		Yes		X	X	X
Brown-headed cowbird ( <i>Molothrus ater</i> )		Yes		X	X	X
Orchard oriole ( <i>Icterus spurius</i> )		Yes; limited				
Bullock's oriole ( <i>Icterus bullockii</i> )		Yes		X	X	X
Baltimore oriole ( <i>Icterus glabula</i> )		Yes				
<b>Gray-crowned rosy-finch (<i>Leucosticte tephrocotis</i>)</b>		No				
Pine grosbeak ( <i>Pinicola enucleator</i> )		Yes				
Purple finch ( <i>Carpodacus purpureus</i> )		Yes				
<b>Cassin's finch (<i>Carpodacus cassinii</i>)</b>		Yes				
House finch ( <i>Carpodacus mexicanus</i> )		Yes		X		
Red crossbill ( <i>Loxia curvirostra</i> )		Yes		X	X	X
White-winged crossbill ( <i>Loxia leucoptera</i> )		Yes				
Common redpoll ( <i>Acanthis flammea</i> )		Yes				
Hoary redpoll ( <i>Acanthus hornemanni</i> )		Yes				
Pine siskin ( <i>Spinus pinus</i> )		Yes		X		
Lesser goldfinch ( <i>Spinus psaltria</i> )		Yes				
American goldfinch ( <i>Spinus tristis</i> )		Yes		X	X	X
<b>Evening grosbeak (<i>Coccothraustes vespertinus</i>)</b>		Yes		X		
House sparrow ( <i>Passer domesticus</i> )		Yes		X		

<sup>1</sup>FWS (2013): LT = Listed threatened; LE = Listed endangered; PT = Proposed threatened; C = Candidate; CH = Designated critical habitat.

<sup>2</sup>Farmer (2012).

<sup>3</sup>Martin (1980).

<sup>4</sup>Farmer (2013).

<sup>5</sup>Distribution and nomenclature from MTNHP (2014).

<sup>6</sup>? = Habitat availability uncertain.

<sup>7</sup>Species in bold text are Montana Species of Concern, Potential Species of Concern or Special Status Species (MTNHP and FWP 2014).

<sup>8</sup>Distribution and nomenclature from MTNHP (2014) and Montana Bird Distribution Committee (2012).

<sup>9</sup>Includes Audubon's warbler (*Setophaga coronata auduboni*) and myrtle warbler (*Setophaga coronata coronata*).

<sup>10</sup>Includes white-winged junco (*Junco hyemalis aikenii*) and slate-colored junco (*Junco hyemalis hyemalis/cismontanus*).

<sup>11</sup>Stagliano (2014).