

**APPENDIX B - ANIMAL SPECIES OBSERVED ON AND/OR ADJACENT TO
THE WILLOW CREEK WIND POWER FACILITY PROJECT AREA:
2011-2014**

Common Name	Latin Binomial	SDNHP Rank/Status ¹	BLM Status	Federal Status	Relative Abundance ²
Calico Crayfish	<i>Orconectes immunis</i>				C
A Stone Centipede	Lithobiomorpha				C
Blue-fronted Dancer Damselfly	<i>Argia apicalis</i>				C
Common Green Darner	<i>Anax junius</i>				U
Eight-spotted Skimmer	<i>Libellula forensis</i>				A
Twelve-spotted Skimmer	<i>Libellula pulchella</i>				U
Common Whitetail	<i>Plathemis lydia</i>				C
A Hawk Moth	Sphingidae				U
Western Banded Skipper	<i>Hesperia colorado</i>				C
Clouded Sulphur	<i>Colias philodice</i>				C
American Lady	<i>Vanessa virginiensis</i>				U
Common Wood Nymph	<i>Cercyonis pegala</i>				C
Melissa Blue	<i>Plebejus melissa</i>				C
A Midge	Ceratopogonidae				A
Mosquito	<i>Culex tarsalis</i>				A
A Mosquito	<i>Culex</i> sp.				A
A Mosquito	<i>Aedes</i> sp.				A
Common House Fly	<i>Musca domestica</i>				A
Blue Bottle Fly	<i>Calliphora vomitoria</i>				A
A Stable Fly	<i>Stomoxys</i> sp.				A
A Deerfly	<i>Chrysops</i> sp.				A
A Horsefly	<i>Tabanus</i> sp.				A
A Bumblebee	<i>Bombus</i> sp.				U
Western Thatching Ant	<i>Formica obscuripes</i>				C
Carrion Beetle	Silphidae				C
Dung Beetle	Scarabaeinae				C
Seven-spot Ladybird Beetle	<i>Coccinella septempunctata</i>				C
Green Lacewing	<i>Chrysoperla</i> sp.				U
Common Field Cricket	<i>Acheta assimilis</i>				A
Carolina Locust	<i>Dissosteira carolinus</i>				A
Red-winged Grasshopper	<i>Arphia pseudonietana</i>				A
Yellow-winged Grasshopper	<i>Arphia xanthoptera</i>				C
A Caddisfly	Glossosomatidae				U
Box Elder Bug	<i>Boisea trivittata</i>				C
Great Plains Toad	<i>Anaxyrus (Bufo) cognatus</i>		Sensitive		X
Boreal Chorus Frog	<i>Psuedacris maculata</i>				A
Northern Leopard Frog	<i>Lithobates (Rana) pipiens</i>		Sensitive ³		C
Tiger Salamander	<i>Ambystoma tigrinum</i>				C
Snapping Turtle	<i>Chelydra serpentina</i>		Sensitive		X
Smooth Softshell	<i>Apalone mutica</i>	S2			U
North American Racer	<i>Coluber constrictor</i>				U
Plains Gartersnake	<i>Thamnophis radix</i>				C
Bull Snake	<i>Pituophis catenifer</i>				A
Prairie Rattlesnake	<i>Crotalus viridis</i>				C
Eared Grebe	<i>Podiceps nigricollis</i>				R
Pied-billed Grebe	<i>Podilymbus podiceps</i>				R
Great Blue Heron	<i>Ardea herodias</i>	S4B,SZN			U
Turkey Vulture	<i>Cathartes aura</i>				C
Canada Goose	<i>Branta canadensis</i>				C
Mallard	<i>Anas platyrhynchos</i>				C
Gadwall	<i>Anas strepera</i>				C
Northern Pintail	<i>Anas acuta</i>				C
American Wigeon	<i>Anas americana</i>				C
Northern Shoveler	<i>Anas clypeata</i>				C
Cinnamon Teal	<i>Anas cyanoptera</i>				R
Blue-winged Teal	<i>Anas discors</i>				R

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American Green-winged Teal	<i>Anas crecca</i>				C
Canvasback	<i>Aythya valisineria</i>				R
Redhead	<i>Aythya americana</i>				R
Ring-necked Duck	<i>Aythya collaris</i>				R
Lesser Scaup	<i>Aythya affinis</i>				R
Common Goldeneye	<i>Bucephala clangula</i>				R
Bufflehead	<i>Bucephala albeola</i>	S1B,S2N			R
Common Merganser	<i>Mergus merganser</i>	S2B,S3N			U
Ruddy Duck	<i>Oxyura jamaicensis</i>				U
Northern Harrier	<i>Circus cyaneus</i>				C
Sharp-shinned Hawk	<i>Accipiter striatus</i>	S3B,S3N			R
Cooper's Hawk	<i>Accipiter cooperii</i>	S3B,SZN			R
Broad-winged Hawk	<i>Buteo platypterus</i>	S2B,SZN			R
Swainson's Hawk	<i>Buteo swainsoni</i>	S4B,SZN	Sensitive		U
Red-tailed Hawk	<i>Buteo jamaicensis</i>				U
Ferruginous Hawk	<i>Buteo regalis</i>	S4B,SZN	Sensitive		C
Rough-legged Hawk	<i>Buteo lagopus</i>				C
Golden Eagle	<i>Aquila chrysaetos</i>	S3S4B,S3N	Sensitive		C
Bald Eagle	<i>Haliaeetus leucocephalus</i>	S1B,S2N/LT			C
American Kestrel	<i>Falco sparverius</i>				C
Merlin	<i>Falco columbarius</i>	S3B,S3N			R
Peregrine Falcon	<i>Falco peregrinus</i>	SXB,SZN	Sensitive		U
Prairie Falcon	<i>Falco mexicanus</i>	S3S4B,S4N			U
Gray Partridge	<i>Perdix perdix</i>				C
Ring-necked Pheasant	<i>Phasianus colchicus</i>				C
Sharp-tailed Grouse	<i>Tympanuchus phasianellus</i>				C
Wild Turkey	<i>Meleagris gallopavo</i>				C
American Coot	<i>Fulica americana</i>				C
Sora	<i>Porzana carolina</i>				R
Sandhill Crane	<i>Grus canadensis</i>				U
Killdeer	<i>Charadrius vociferus</i>				C
American Avocet	<i>Recurvirostra americana</i>				C
Greater Yellowlegs	<i>Tringa melanoleuca</i>				R
Lesser Yellowlegs	<i>Tringa flavipes</i>				R
Solitary Sandpiper	<i>Tringa solitaria</i>				R
Spotted Sandpiper	<i>Actitis macularis</i>				R
Upland Sandpiper	<i>Bartramia longicauda</i>				U
Long-billed Curlew	<i>Numenius americanus</i>	S3B,SZN	Sensitive		U
Marbled Godwit	<i>Limosa fedoa</i>		Sensitive		U
Baird's Sandpiper	<i>Calidris bairdii</i>				R
Wilson's Phalarope	<i>Phalaropus tricolor</i>				C
Ring-billed Gull	<i>Larus delawarensis</i>				U
California Gull	<i>Larus californicus</i>				C
Mourning Dove	<i>Zenaida macroura</i>				C
Eurasian Collard-Dove	<i>Streptopelia decaocto</i>				X
Rock Pigeon	<i>Columba livia</i>				U
Short-eared Owl	<i>Asio flammeus</i>				U
Great Horned Owl	<i>Bubo virginianus</i>				C
Snowy Owl	<i>Bubo scandiacus</i>				R
Burrowing Owl	<i>Athena cunicularia</i>	S3S4B,SZN	Sensitive		C
Common Nighthawk	<i>Chordeiles minor</i>				U
Belted Kingfisher	<i>Megaceryle alcyon</i>				X
Northern Flicker (Yellow-shafted)	<i>Colaptes auratus</i>				U
Say's Phoebe	<i>Sayornis saya</i>				R
Western Kingbird	<i>Tyrannus verticalis</i>				C
Eastern Kingbird	<i>Tyrannus tyrannus</i>				C

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Loggerhead Shrike	<i>Lanius ludovicianus</i>		Sensitive		U
Northern Shrike	<i>Lanius excubitor</i>				X
Blue Jay	<i>Cyanocitta cristata</i>				X
Black-billed Magpie	<i>Pica hudsonia</i>				R
American Crow	<i>Corvus brachyrhynchos</i>				R
Horned Lark	<i>Eremophila alpestris</i>				A
Cliff Swallow	<i>Petrochelidon pyrrhonota</i>				U
Barn Swallow	<i>Hirundo rustica</i>				U
Mountain Bluebird	<i>Sialia currucoides</i>				U
American Robin	<i>Turdus migratorius</i>				C
European Starling	<i>Sternus vulgaris</i>				C
Sprague's Pipit	<i>Anthus spragueii</i>	S2B,SZN	Sensitive	Candidate	U
American Pipit	<i>Anthus rubescens</i>				U
Common Yellowthroat	<i>Geothlypis trichas</i>				U
Dickcissel	<i>Spiza americana</i>		Sensitive		X
American Tree Sparrow	<i>Spizella arborea</i>				C
Chipping Sparrow	<i>Spizella passerina</i>				U
Baird's Sparrow	<i>Ammodramus bairdii</i>	S2B,SZN	Sensitive		U
Grasshopper Sparrow	<i>Ammodramus savannarum</i>				A
Savannah Sparrow	<i>Passerculus sandwichensis</i>				U
Vesper Sparrow	<i>Pooecetes gramineus</i>				U
Lark Bunting	<i>Calamospiza melanocorys</i>				C
Lark Sparrow	<i>Chondestes grammacus</i>				X
Song Sparrow	<i>Melospiza melodia</i>				R
Dark-eyed Junco	<i>Junco hyemalis</i>				R
McCown's Longspur	<i>Rhynchophanes mccownii</i>	SUB,SZN			C
Chestnut-collared Longspur	<i>Calcarius ornatus</i>		Sensitive		C
Lapland Longspur	<i>Calcarius lapponicus</i>				C
Snow Bunting	<i>Plectrophenax nivalis</i>				C
Western Meadowlark	<i>Sturnella neglecta</i>				C
Bobolink	<i>Dolichonyx oryzivorus</i>		Sensitive		C
Brown-headed Cowbird	<i>Molothrus ater</i>				C
Red-winged Blackbird	<i>Agelaius phoeniceus</i>				C
Yellow-headed Blackbird	<i>Xanthocephalus xanthocephalus</i>				C
Brewer's Blackbird	<i>Euphagus cyanocephalus</i>				U
Orchard Oriole	<i>Icterus spurius</i>				U
Common Redpoll	<i>Acanthis flammea</i>				R
House Sparrow	<i>Passer domesticus</i>				C
Thirteen-lined Ground Squirrel	<i>Ictidomys tridecemlineatus</i>				U
Black-tailed Prairie Dog	<i>Cynomys ludovicianus</i>		Sensitive		A
Northern Pocket Gopher	<i>Thomomys talpoides</i>				C
Common Muskrat	<i>Ondatra zibethicus</i>				U
Meadow Vole	<i>Microtus pennsylvanicus</i>				C
Bushy-tailed Woodrat	<i>Neotoma cinerea</i>				U
Deermouse	<i>Peromyscus maniculatus</i>				C
Desert Cottontail	<i>Sylvilagus audubonii</i>				U
Eastern Cottontail	<i>Sylvilagus floridanus</i>				X
White-tailed Jackrabbit	<i>Lepus townsendii</i>				C
Big Brown Bat	<i>Eptesicus fuscus</i>				C
Unidentified <i>Myotis</i> bat	<i>Myotis</i> sp.				R
Northern Long-eared Myotis (Bat)	<i>Myotis septentrionalis</i>	S3	Sensitive	Threatened	R
Bobcat	<i>Lynx rufus</i>				R
Coyote	<i>Canis latrans</i>				C
Swift Fox	<i>Vulpes velox</i>	State Threatened/S1	Sensitive		R
Red Fox	<i>Vulpes vulpes</i>				U
Badger	<i>Taxidea taxus</i>				U

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Striped Skunk	<i>Mephitis mephitis</i>				U
Raccoon	<i>Procyon lotor</i>				C
Mule Deer	<i>Odocoileus hemionus</i>				C
White-tailed Deer	<i>Odocoileus virginianus</i>				U
Pronghorn	<i>Antilocapra americana</i>				C
¹ State Rank Definition (applied statewide for state rank)					
S1 Critically imperiled because of extreme rarity (5 or fewer occurrences or very few remaining individuals or acres) or because of some factor(s) making it especially vulnerable to extinction.					
S2 Imperiled because of rarity (6 to 20 occurrences or few remaining individuals or acres) or because of some factor(s) making it very vulnerable to extinction throughout its range.					
S3 Either very rare and local throughout its range, or found locally (even abundantly at some of its locations) in a restricted range, or vulnerable to extinction throughout its range because of other factors; in the range of 21 of 100 occurrences.					
S4 Apparently secure, though it may be quite rare in parts of its range, especially at the periphery. Cause for long term concern.					
S5 Demonstrably secure, though it may be quite rare in parts of its range, especially at the periphery.					
SU Possibly in peril, but status uncertain, more information needed.					
SH Historically known, may be rediscovered.					
SX Believed extinct, historical records only.					
SZ No definable occurrences for conservation purposes, usually assigned to migrants					
Bird species may have two state ranks, one for breeding (S#B) and one for nonbreeding seasons (S#N). Example: Ferruginous Hawk (S3B,SZN) indicates an S3 rank in breeding season and SZ in nonbreeding season.					
² Abundance categories corresponding to subjective measures of species occurrence in suitable habitats.					
A - Abundant: conspicuously present; much more numerous than most species in a given habitat					
C - Common: present in moderate to large numbers; likely to be observed					
F - Fairly Common: present in moderate numbers; can usually be observed					
U- Uncommon: usually present in small numbers; observed infrequently					
R- Rare: not to be expected to be observed upon every visit					
X- Observed adjacent to project area					
³ Applies to western and intermontane populations					