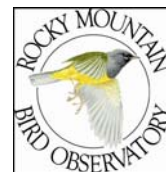


SAND CREEK MASSACRE NATIONAL HISTORIC SITE
BIRD INVENTORY
FINAL REPORT



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Appendix 1. Species detected on Sand Creek Massacre National Historic Site. Below is a comprehensive list of bird species detected during inventories conducted, April 21, May 13 and June 27 2005. Bolded (X) are the species of conservation concern from the Partners in Flight database for the Shortgrass Prairie Bird Conservation Region. We listed the species in taxonomic order.

Common Name	Scientific Name	4/21/2005	5/13/2005	6/27/2005	PIF Tiered Species
Mallard	<i>Anas platyrhynchos</i>	X	X		
Blue-winged Teal	<i>Anas discors</i>		X		
Ring-necked Pheasant	<i>Phasianus colchicus</i>	X	X		
Scaled Quail	<i>Callipepla squamata</i>	X		X	X
Great Blue Heron	<i>Ardea herodias</i>	X			
Northern Harrier	<i>Circus cyaneus</i>	X	X		X
Swainson's Hawk	<i>Buteo swainsoni</i>	X			X
Red-tailed Hawk	<i>Buteo jamaicensis</i>	X	X	X	
American Kestrel	<i>Falco sparverius</i>	X		X	
Killdeer	<i>Charadrius vociferus</i>	X	X	X	
Mountain Plover	<i>Charadrius montanus</i>	X	X		X
Mourning Dove	<i>Zenaida macroura</i>	X	X	X	
Barn Owl	<i>Tyto alba</i>	X			
Great Horned Owl	<i>Bubo virginianus</i>	X	X	X	
Burrowing Owl	<i>Athene cunicularia</i>		X	X	X
Short-eared Owl	<i>Asio flammeus</i>			X	X
Common Nighthawk	<i>Chordeiles minor</i>		X	X	
Red-headed Woodpecker	<i>Melanerpes erythrocephalus</i>		X	X	X
Downy Woodpecker	<i>Picoides pubescens</i>			X	
Northern Flicker	<i>Colaptes auratus</i>	X		X	
Western Wood-Pewee	<i>Contopus sordidulus</i>			X	
Say's Phoebe	<i>Sayornis saya</i>	X			X
Western Kingbird	<i>Tyrannus verticalis</i>		X	X	X
Eastern Kingbird	<i>Tyrannus tyrannus</i>		X	X	
Loggerhead Shrike	<i>Lanius ludovicianus</i>	X			
Blue Jay	<i>Cyanocitta cristata</i>		X	X	
Horned Lark	<i>Eremophila alpestris</i>	X	X		X
Cliff Swallow	<i>Petrochelidon pyrrhonota</i>			X	
Barn Swallow	<i>Hirundo rustica</i>		X		
Rock Wren	<i>Salpinctes obsoletus</i>	X			
House Wren	<i>Troglodytes aedon</i>		X	X	
Eastern Bluebird	<i>Sialia sialis</i>		X		
Swainson's Thrush	<i>Catharus ustulatus</i>		X		
Hermit Thrush	<i>Catharus guttatus</i>		X		
American Robin	<i>Turdus migratorius</i>	X	X		
Northern Mockingbird	<i>Mimus polyglottos</i>		X		
Brown Thrasher	<i>Toxostoma rufum</i>	X	X	X	
European Starling	<i>Sturnus vulgaris</i>	X	X	X	
Yellow Warbler	<i>Dendroica petechia</i>		X	X	
Chestnut-sided Warbler	<i>Dendroica pensylvanica</i>		X		
Spotted Towhee	<i>Pipilo maculatus</i>	X	X		X

Cassin's Sparrow	<i>Aimophila cassinii</i>		X	X	
Chipping Sparrow	<i>Spizella passerina</i>	X			
Clay-colored Sparrow	<i>Spizella pallida</i>		X		
Vesper Sparrow	<i>Pooecetes gramineus</i>	X			X
Lark Sparrow	<i>Chondestes grammacus</i>		X	X	X
Lark Bunting	<i>Calamospiza melanocorys</i>	X	X		X
Grasshopper Sparrow	<i>Ammodramus savannarum</i>			X	
Lincoln's Sparrow	<i>Melospiza lincolnii</i>	X	X		
White-crowned Sparrow	<i>Zonotrichia leucophrys</i>	X			
Indigo Bunting	<i>Passerina cyanea</i>		X		X
Dickcissel	<i>Spiza americana</i>			X	
Red-winged Blackbird	<i>Agelaius phoeniceus</i>	X	X		
Western Meadowlark	<i>Sturnella neglecta</i>	X	X	X	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	X	
Orchard Oriole	<i>Icterus spurius</i>		X	X	
Bullock's Oriole	<i>Icterus bullockii</i>		X	X	

Appendix 2. Potential list of species expected to be observed on Sand Creek National Historic Site. The list is derived from observations made by RMBO field technicians conducting road-based point counts throughout eastern Colorado (2001-2005) during the breeding season.

Common Name	Scientific Name
Gadwall	<i>Anas strepera</i>
Mallard	<i>Anas platyrhynchos</i>
Blue-winged Teal	<i>Anas discors</i>
Northern Pintail	<i>Anas acuta</i>
Ring-necked Pheasant	<i>Phasianus colchicus</i>
Scaled Quail	<i>Callipepla squamata</i>
Northern Bobwhite	<i>Colinus virginianus</i>
Great Blue Heron	<i>Ardea herodias</i>
Green Heron	<i>Butorides virescens</i>
Turkey Vulture	<i>Cathartes aura</i>
Mississippi Kite	<i>Ictinia mississippiensis</i>
Northern Harrier	<i>Circus cyaneus</i>
Sharp-shinned Hawk	<i>Accipiter striatus</i>
Cooper's Hawk	<i>Accipiter cooperii</i>
Swainson's Hawk	<i>Buteo swainsoni</i>
Red-tailed Hawk	<i>Buteo jamaicensis</i>
Ferruginous Hawk	<i>Buteo regalis</i>
Golden Eagle	<i>Aquila chrysaetos</i>
American Kestrel	<i>Falco sparverius</i>
Prairie Falcon	<i>Falco mexicanus</i>
Virginia Rail	<i>Rallus limicola</i>
American Coot	<i>Fulica americana</i>
Sandhill Crane	<i>Grus canadensis</i>
Killdeer	<i>Charadrius vociferus</i>
Mountain Plover	<i>Charadrius montanus</i>
Black-necked Stilt	<i>Himantopus mexicanus</i>
American Avocet	<i>Recurvirostra americana</i>
Spotted Sandpiper	<i>Actitis macularia</i>
Upland Sandpiper	<i>Bartramia longicauda</i>
Long-billed Curlew	<i>Numenius americanus</i>
Marbled Godwit	<i>Limosa fedoa</i>
Least Sandpiper	<i>Calidris minutilla</i>
Wilson's Snipe	<i>Gallinago delicata</i>
Ring-billed Gull	<i>Larus delawarensis</i>
Rock Pigeon	<i>Columba livia</i>
Eurasian Collared-Dove	<i>Streptopelia decaocto</i>
Mourning Dove	<i>Zenaida macroura</i>
Greater Roadrunner	<i>Geococcyx californianus</i>
Great Horned Owl	<i>Bubo virginianus</i>

Common Name	Scientific Name
Burrowing Owl	<i>Athene cunicularia</i>
Short-eared Owl	<i>Asio flammeus</i>
Common Nighthawk	<i>Chordeiles minor</i>
White-throated Swift	<i>Aeronautes saxatalis</i>
Broad-tailed Hummingbird	<i>Selasphorus platycercus</i>
Lewis's Woodpecker	<i>Melanerpes lewis</i>
Red-headed Woodpecker	<i>Melanerpes erythrocephalus</i>
Northern Flicker	<i>Colaptes auratus</i>
Western Wood-Pewee	<i>Contopus sordidulus</i>
Willow Flycatcher	<i>Empidonax traillii</i>
Say's Phoebe	<i>Sayornis saya</i>
Vermilion Flycatcher	<i>Pyrocephalus rubinus</i>
Ash-throated Flycatcher	<i>Myiarchus cinerascens</i>
Cassin's Kingbird	<i>Tyrannus vociferans</i>
Western Kingbird	<i>Tyrannus verticalis</i>
Eastern Kingbird	<i>Tyrannus tyrannus</i>
Scissor-tailed Flycatcher	<i>Tyrannus forficatus</i>
Loggerhead Shrike	<i>Lanius ludovicianus</i>
Blue Jay	<i>Cyanocitta cristata</i>
Black-billed Magpie	<i>Pica hudsonia</i>
American Crow	<i>Corvus brachyrhynchos</i>
Chihuahuan Raven	<i>Corvus cryptoleucus</i>
Common Raven	<i>Corvus corax</i>
Horned Lark	<i>Eremophila alpestris</i>
Purple Martin	<i>Progne subis</i>
Tree Swallow	<i>Tachycineta bicolor</i>
Violet-green Swallow	<i>Tachycineta thalassina</i>
Northern Rough-winged Swallow	<i>Stelgidopteryx serripennis</i>
Bank Swallow	<i>Riparia riparia</i>
Cliff Swallow	<i>Petrochelidon pyrrhonota</i>
Barn Swallow	<i>Hirundo rustica</i>
Cactus Wren	<i>Campylorhynchus brunneicapillus</i>
Rock Wren	<i>Salpinctes obsoletus</i>
House Wren	<i>Troglodytes aedon</i>
Blue-gray Gnatcatcher	<i>Polioptila caerulea</i>
Eastern Bluebird	<i>Sialia sialis</i>
Western Bluebird	<i>Sialia mexicana</i>
Mountain Bluebird	<i>Sialia currucoides</i>
Swainson's Thrush	<i>Catharus ustulatus</i>
Wood Thrush	<i>Hylocichla mustelina</i>
American Robin	<i>Turdus migratorius</i>
Gray Catbird	<i>Dumetella carolinensis</i>
Northern Mockingbird	<i>Mimus polyglottos</i>

Common Name	Scientific Name
Sage Thrasher	Oreoscoptes montanus
Brown Thrasher	Toxostoma rufum
Curve-billed Thrasher	Toxostoma curvirostre
European Starling	Sturnus vulgaris
Yellow Warbler	Dendroica petechia
Common Yellowthroat	Geothlypis trichas
Yellow-breasted Chat	Icteria virens
Spotted Towhee	Pipilo maculatus
Cassin's Sparrow	Aimophila cassinii
Chipping Sparrow	Spizella passerina
Clay-colored Sparrow	Spizella pallida
Brewer's Sparrow	Spizella breweri
Vesper Sparrow	Poocetes gramineus
Lark Sparrow	Chondestes grammacus
Black-throated Sparrow	Amphispiza bilineata
Sage Sparrow	Amphispiza belli
Lark Bunting	Calamospiza melanocorys
Savannah Sparrow	Passerculus sandwichensis
Grasshopper Sparrow	Ammodramus savannarum
Song Sparrow	Melospiza melodia
Lincoln's Sparrow	Melospiza lincolni
McCown's Longspur	Calcarius mccownii
Chestnut-collared Longspur	Calcarius ornatus
Blue Grosbeak	Passerina caerulea
Lazuli Bunting	Passerina amoena
Dickcissel	Spiza americana
Red-winged Blackbird	Agelaius phoeniceus
Eastern Meadowlark	Sturnella magna
Western Meadowlark	Sturnella neglecta
Yellow-headed Blackbird	Xanthocephalus xanthocephalus
Brewer's Blackbird	Euphagus cyanocephalus
Common Grackle	Quiscalus quiscula
Great-tailed Grackle	Quiscalus mexicanus
Brown-headed Cowbird	Molothrus ater
Orchard Oriole	Icterus spurius
Bullock's Oriole	Icterus bullockii
Scott's Oriole	Icterus parisorum
House Finch	Carpodacus mexicanus
American Goldfinch	Carduelis tristis
House Sparrow	Passer domesticus