

A 2025 BIRD CHECKLIST FOR PETRIFIED FOREST NATIONAL PARK

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ABSTRACT — We produce a new 2025 bird species list for Petrified Forest National Park, updating the previous list from 2005. The new list is built upon historical bird lists and utilizes new survey data. There are now 258 species recorded in the park, with 217 species verified in the past 20 years. Significantly, the Yellow-billed Cuckoo (*Coccyzus americanus*), a federally threatened species, has been documented for the first time since 1985.

Keywords: Birds; Aves; Species list; Survey.

INTRODUCTION

This paper is an update to the 2005 van Riper and Lamow (USGS report) bird list for Petrified Forest National Park (PEFO). It complements the 1959 (Stephenson), 1963 (NPS data), 1984 (Johnson), and 2005 (van Riper and Lamow) lists, documenting changes across time in bird species' presence. Our list compiles all birds that have been observed in the park but highlights the bird species that have been observed in the last 20 years across multiple field surveys and studies. We also update species to current naming standards and list them in taxonomic order following the American Ornithological Society's 7th edition checklist, 65th supplement (Chesser et al., 2024).

BACKGROUND

Petrified Forest National Park was established in 1906 as a National Monument, changing to National Park status in 1962. Since 1906 the park has had one boundary reduction and several additions. The largest addition occurred

in 2004, when 506 km² were added, increasing the park from 379 km² to 884 km². However, as of 2024, large areas of land inside this designated boundary are still privately owned or belong to the Arizona State Land Trust, resulting in ~575 km² of National Park Service (NPS) owned land. Significantly, this acquisition has added several seeps, active water wells, earthen stock ponds, and ~22 km of riparian habitat along the Puerco River (compared to ~2 km prior to 2004). The park varies in elevation from ~1580 m to ~1890 m and consists of shortgrass prairie intermixed with shrubland, badlands, small pockets of pinyon (*Pinus* spp.) and juniper (*Juniperus* spp.) woodland, and riparian forest with cottonwood (*Populus* spp.), coyote willow (*Salix exigua*), tamarisk (*Tamarix* spp.), and Russian olive (*Elaeagnus angustifolia*).

METHODS

To compile the 2025 list (258 species), we started with the 2005 (van Riper and Lamow) list (234 species) and compared that to the historical 1998 (Ban-

gert) surveys, and the 1984 (Johnson: 207 species), 1963 (NPS data: 180 species), and 1959 (Johnson: 131 species) lists for the park. We then added data from newer surveys and data sets from the past 20 years including: 2007–2018 Southern Colorado Plateau Network (SCPN) habitat-specific monitoring surveys in grassland-shrubland (Ploughe and Jones, 2024), 2022, 2023 and 2024 SCPN park-wide point-count monitoring data (Ploughe and Jones, 2025), 2016–2024 window strike mortalities at park structures, 2023 Yellow-billed Cuckoo surveys (Albert et al., 2024), PEFO biology department photography database records, PEFO museum collections, and observation reports from iNaturalist (iNaturalist.org) and eBird (Sullivan et al., 2009) records. We used any sighting from 2005–2025 to confirm recent presence in the park. Several species were observed on older reports that were not included on the 2005 list. These species were reviewed and included on a case-by-case basis contingent upon the plausibility of the sighting (i.e., frequency of observations in northeast Arizona and north of the Mogollon Rim, difficulty of field identification) and documentation of the sighting (i.e., photo documentation, documentation on record with the Arizona Bird Committee). Historical reports and lists were reviewed for plausibility, documentation, and photo evidence prior to inclusion in the checklist. We removed several unusual historical species with no hard evidence or later sightings including all unconfirmed sightings.

SUMMARY

The 2025 bird list revision (Appendices 1 & 2) includes 258 species, 24 more than the 2005 van Riper and Lamow

list. This includes changes such as the Myrtle Warbler (*Setophaga [coronata] coronata*) and the Audubon's Warbler (*Setophaga [coronata] auduboni*) being combined into the Yellow-rumped Warbler (*Setophaga coronata*) and including the Chihuahuan Meadowlark (*Sturnella liliana*) which was recently split from the Eastern Meadowlark (*Sturnella magna*). In the last 20 years 217 species have been observed. Thirty species have also had their breeding status confirmed, or evidence found to assume probable breeding in the park. Significant sightings include the Yellow-billed Cuckoo (*Coccyzus americanus*) and the Canyon Wren (*Catherpes mexicanus*), both of which have been found multiple times in the last 20 years. These are two birds van Riper and Lamow (2005) indicated had not been observed between 1985–2005. The Yellow-billed Cuckoo (distinct western population) is now listed as federally threatened (USFWS). Surveys are underway to determine more about their presence and behavior in the park. The park may contain expanding breeding populations of arid land-associated species from southern Arizona that are moving northward in response to climate change, such as Greater Roadrunner (*Geococcyx californianus*), Gambel's Quail (*Callipepla gambelii*), White-winged Dove (*Zenaida asiatica*), and Crissal Thrasher (*Toxostoma crissale*). Other desert-associated species such as Curve-billed Thrasher (*Toxostoma curvirostre*), Bell's Vireo (*Vireo bellii*), and Lesser Nighthawk (*Chordeiles acutipennis*) are present in the greater landscape surrounding the park (records from Woodruff and Holbrook, Arizona, respectively) and should be potentially considered future breeders within the park. The breeding status of many species at Petrified Forest National Park is uncertain due to lack

of observations and survey data from late May–June. In particular, a more complete understanding of the breeding status of Brewer’s Sparrow (*Spizella breweri*) and Cassin’s Sparrow (*Peucaea cassinii*), both rapidly declining species, is needed for the park. Records of overwintering grassland birds, especially Lapland Longspur (*Calcarius lapponicus*, which has not been observed in PEFO but has photographic records from Holbrook), Chestnut-collared Longspur (*C. ornatus*), and Grasshopper Sparrow (*Ammodramus savannarum*), may be under-represented due to a lack of observations in appropriate habitat. A larger temporal (winter months, breeding season) and spatial (areas away from visitor centers) coverage of bird observations will provide a more complete picture of the bird community utilizing the varied habitats within the park.

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REFERENCES

- Albert, S., H. Jones, W. DeMott, and D. Schneider. 2024. Yellow-billed Cuckoo surveys at Petrified Forest National Park: Final report for the 2023 field season. Science Report NPS/SR – 2024/153. National Park Service, Fort Collins, Colorado. <https://doi.org/10.36967/2304871>.
- Bangert, R. K. 1998. 1998 PEFO Bird survey. Unpublished NPS Report.
- Chesser, R. T., S. M. Billerman, K. J. Burns, C. Cicero, J. L. Dunn, B. E. Hernández-Baños, R. A. Jiménez, Oscar Johnson, A. W. Kratter, N. A. Mason, P. C. Rasmussen, and J. V. Remsen, Jr. 2024. Check-list of North American Birds (online). American Ornithological Society. <https://check-list.americanornithology.org/taxa/eBird>. <https://eBird.org>. Accessed on January, 2025.
- iNaturalist. Petrified Forest National Park Natural History Observations <https://www.inaturalist.org/projects/petrified-forest-national-park-natural-history-observations>. Accessed on November, 2024.
- Johnson, G. E.. 1984. Bird List: Petrified Forest National Park. Unpublished NPS Report.
- NPS Report. 1963. A Checklist of Birds of Petrified Forest National Park. Unpublished NPS Report.
- Ploughe, L. W. and H. H. Jones. 2024. SCPN Habitat-based bird community monitoring data 2007–2018. National Park Service. Fort Collins CO. <https://doi.org/10.57830/2302328>.
- Ploughe, L. W. and H. H. Jones. 2025. SCPN landbird monitoring 2022–2024 data package. National Park Service. Fort Collins CO (in submission, publication March 2025).
- Stephenson, A. N. undated (pre-1959).

Checklist of Birds of Petrified Forest National Monument, Arizona. Unpublished NPS Report.

Stephenson, A. N., 1959. A Checklist of Birds of Petrified Forest National Monument, Arizona. Unpublished NPS Report.

Sullivan, B. L., C. L. Wood, M. J. Iliff, R. E. Bonney, D. Fink, and S. Kelling. 2009. eBird: a citizen-based bird observation network in the biological sciences. *Biological Conservation* 142: 2282–2292.

USFWS <https://www.fws.gov/species/yellow-billed-cuckoo-coccyzus-americanus>. Accessed on February 2025.

Van Riper III, C., and M. Lamow. 2005. A 2005 Bird Checklist for Petrified Forest National Park. Southwest Biological Science Center, USGS OFR no. 22.

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APPENDIX 1. The following codes were utilized to characterize bird list data:

Park Status

P PRESENT: species present in the park.

P* RECENTLY PRESENT: species observed in the last 20 years.

Abundance

A ABUNDANT: easily seen daily in relatively large numbers in appropriate season and habitat.

C COMMON: easily seen daily in appropriate season and habitat but not in large numbers.

UC UNCOMMON: likely to be seen weekly or monthly in appropriate season or habitat, may be locally common.

R RARE: present, but usually only seen a few times per year.

O OCCASIONAL: occasionally or sporadically seen, but not observed in the park every year.

UK UNKNOWN: abundance unknown.

Resident Status

b BREEDER: species that reproduces or probably reproduces in the park; b^y - present in the park year-round; b^s - present during the summer breeding season (March–August), not year-round.

r RESIDENT: a significant population is maintained in the park for more than two months each year, but it is not known to breed there.

m	MIGRATORY: species that occur in the park approximately two months or less each year (usually spring and fall), and do not breed there.	RE	RESIDENTIAL: park housing areas containing planted trees and shrubs (e.g., cottonwoods [<i>Populus</i> spp.], Russian olive [<i>Elaeagnus angustifolia</i>]) that act as 'migrant traps' for many bird species in the largely treeless landscape of the park.
v	VAGRANT: park is outside of the species' usual range.		
u	UNKNOWN: residency status in the park is unknown.	RW	RIPARIAN WOODLAND: Restricted to a narrow belt along major rivers and washes in the park. The vegetation has a dominant overstory of cottonwoods (<i>Populus</i> spp.) and/or tamarisk (<i>Tamarix</i> spp.) and may include Coyote willow (<i>Salix exigua</i>).
Habitat Types			
If more than one habitat type is listed, the habitat in which the species breeds or is observed most often is listed first.			
AH	ALL HABITATS: seen in all habitat types.	ST	STRUCTURES: human non-residential structures in the park including bridges, barns, and corrals.
GS	GRASSLAND SHRUBLAND: sem-iarid shortgrass prairie, a grassland containing shrubs such as sagebrush (<i>Artemisia</i> spp.), saltbush (<i>Atriplex</i> spp.), winterfat (<i>Krascheninnikovia lanata</i>), snakeweed (<i>Gutierrezia sarothrae</i>), Mormon tea (<i>Ephedra</i> sp.), rabbitbrush (<i>Ericameria nauseosa</i>), greasewood (<i>Sarcobatus vermiculatus</i>), yucca (<i>Yucca</i> spp.), and cacti (Cactaceae).	UN	UNKNOWN: habitat type is unknown.
Breeding Status			
JW	JUNIPER WOODLAND: Juniper woodland such as the juniper-cliffrose association on the Painted Desert Rim, and pinyon-juniper woodland on Chinde Mesa.	*	CONFIRMED BREEDING: presence of an active nest, fledglings, food, and/or nesting material carried by adults.
OW	OPEN WATER: open water present; sewage ponds.	[*]	PROBABLY BREEDING: not confirmed, but breeding is likely based on behavior and timing of observations in the park from late May–June.
RC	ROCKS/CLIFFS: exposed sedimentary rock mesa tops and sheer rock outcroppings provide nesting sites for many species.		

APPENDIX 2. Updated species list of birds at Petrified Forest National Park. See Appendix 1 for abbreviations.

Common name	Scientific name	Park status	Abundance	Residency	Habitat	Breeding status
GEESE, DUCKS						
Greater White-fronted Goose	<i>Anser albifrons</i>	P*	O	m	OW	
Canada Goose	<i>Branta canadensis</i>	P	O	m	OW	
Wood Duck	<i>Aix sponsa</i>	P*	O	m	OW	
Blue-winged Teal	<i>Spatula discors</i>	P*	O	m	OW	
Cinnamon Teal	<i>Spatula cyanoptera</i>	P*	O	m	OW	
Northern Thoveler	<i>Spatula clypeata</i>	P*	O	m	OW	
Gadwall	<i>Mareca strepera</i>	P*	O	m	OW	
American Wigeon	<i>Mareca americana</i>	P*	O	m	OW	
Mallard	<i>Anas platyrhynchos</i>	P*	R	m	OW	
Northern Pintail	<i>Anas acuta</i>	P	O	m	OW	
Green-winged Teal	<i>Anas crecca</i>	P*	O	m	OW	
Canvasback	<i>Aythya valisineria</i>	P*	O	m	OW	
Redhead	<i>Aythya americana</i>	P*	O	m	OW	
Ring-necked Duck	<i>Aythya collaris</i>	P*	O	m	OW	
Lesser Scaup	<i>Aythya affinis</i>	P*	O	m	OW	
Bufflehead	<i>Bucephala albeola</i>	P*	O	m	OW	
Common Goldeneye	<i>Bucephala clangula</i>	P*	O	m	OW	
Hooded Merganser	<i>Lophodytes cucullatus</i>	P*	O	m	OW	
Common Merganser	<i>Mergus merganser</i>	P*	O	m	OW	
Ruddy Duck	<i>Oxyura jamaicensis</i>	P*	O	m	OW	
QUAIL						
Scaled Quail	<i>Callipepla squamata</i>	P*	C	b ^y	GS	*
Gambel's Quail	<i>Callipepla gambelii</i>	P*	R	u	RE, GS	[*]
GREBES						
Least Grebe	<i>Tachybaptus dominicus</i>	P	O	v	OW	
Pied-billed Grebe	<i>Podilymbus podiceps</i>	P*	R	m	OW	
Eared Grebe	<i>Podiceps nigricollis</i>	P	O	m	OW	

APPENDIX 2. (continued)

Common name	Scientific name	Park status	Abundance	Residency	Habitat	Breeding status
Western Grebe	<i>Aechmophorus occidentalis</i>	P	O	m	OW	
PIGEONS, DOVES						
Rock Pigeon	<i>Columba livia</i>	P*	UC	b ^y	RE, ST	[*]
Band-tailed Pigeon	<i>Patagioenas fasciata</i>	P*	R	u	RE	
Eurasian Collared Dove	<i>Streptopelia decaocto</i>	P*	C	b ^y	RE	[*]
Inca Dove	<i>Columbina inca</i>	P	O	v	UN	
White-winged Dove	<i>Zenaida asiatica</i>	P*	R	b ^y	RE	[*]
Mourning Dove	<i>Zenaida macroura</i>	P*	C	b ^y	AH	*
CUCKOOS						
Greater Roadrunner	<i>Geococcyx californianus</i>	P*	UC	b ^y	RW, RE	[*]
Yellow-billed Cuckoo	<i>Coccyzus americanus</i>	P*	UK	u	RW	
NIGHTHAWKS, NIGHTJARS						
Common Nighthawk	<i>Chordeiles minor</i>	P*	C	b ^s	AH	*
Common Poorwill	<i>Phalaenoptilus nuttallii</i>	P*	O	u	AH	
SWIFTS, HUMMINGBIRDS						
Vaux's Swift	<i>Chaetura vauxi</i>	P	O	v	AH	
White-throated Swift	<i>Aeronautes saxatalis</i>	P*	O	m	AH	
Black-chinned Hummingbird	<i>Archilochus alexandri</i>	P*	UC	b ^s	RE, RW, JW	[*]
Anna's Hummingbird	<i>Calypte anna</i>	P*	O	v	RE	
Calliope Hummingbird	<i>Selasphorus calliope</i>	P*	O	m	RE	
Rufous Hummingbird	<i>Selasphorus rufus</i>	P*	C	m	RE, RW	
Allen's Hummingbird	<i>Selasphorus sasin</i>	P	O	v	RE	
Broad-tailed Hummingbird	<i>Selasphorus platycercus</i>	P*	C	m	AH	

APPENDIX 2. (continued)

Common name	Scientific name	Park status	Abundance	Residency	Habitat	Breeding status
RAILS, COOTS						
Virginia Rail	<i>Rallus limicola</i>	P	O	m	OW, RW	*
Sora Rail	<i>Porzana carolina</i>	P	O	m	OW, RW	
American Coot	<i>Fulica americana</i>	P*	O	m	OW	
PLOVERS, AVOCETS, SANDPIPERS, PHALAROPES						
American Avocet	<i>Recurvirostra americana</i>	P*	C	b ^y	OW	*
American Golden Plover	<i>Pluvialis dominica</i>	P*	O	v	OW	
Killdeer	<i>Charadrius vociferus</i>	P*	C	b ^y	OW, RW	*
Semipalmated Plover	<i>Charadrius semipalmatus</i>	P*	O	m	OW	
Mountain Plover	<i>Anarhynchus montanus</i>	P	O	m	GS	
Upland Sandpiper	<i>Bartramia longicauda</i>	P	O	v	GS	
Whimbrel	<i>Numenius phaeopus</i>	P	O	v	GS, RW	
Long-billed Curlew	<i>Numenius americanus</i>	P*	O	m	GS, OW	
Stilt Sandpiper	<i>Calidris himantopus</i>	P*	O	m	OW	
Baird's Sandpiper	<i>Calidris bairdii</i>	P*	O	m	OW	
Least Sandpiper	<i>Calidris minutilla</i>	P*	O	m	OW	
Pectoral Sandpiper	<i>Calidris melanotos</i>	P	O	m	OW	
Western Sandpiper	<i>Calidris mauri</i>	P*	O	m	OW	
Long-billed Dowitcher	<i>Limnodromus scolopaceus</i>	P*	O	m	OW	
Wilson's Snipe	<i>Gallinago delicata</i>	P*	R	m	OW, RW	
Spotted Sandpiper	<i>Actitis macularius</i>	P*	O	m	OW	
Solitary Sandpiper	<i>Tringa solitaria</i>	P*	O	m	OW	

APPENDIX 2. (continued)

Common name	Scientific name	Park status	Abundance	Residency	Habitat	Breeding status
Lesser Yellowlegs	<i>Tringa flavipes</i>	P	O	m	OW	
Willet	<i>Tringa semipalmata</i>	P	O	m	OW	
Greater Yellowlegs	<i>Tringa melanoleuca</i>	P*	O	m	OW	
Wilson's Phalarope	<i>Phalaropus tricolor</i>	P*	O	m	OW	
Red-necked Phalarope	<i>Phalaropus lobatus</i>	P*	O	m	OW	
GULLS						
Franklin's Gull	<i>Leucophaeus pipixcan</i>	P*	O	m	OW	
Ring-billed Gull	<i>Larus delawarensis</i>	P*	O	m	OW	
Herring Gull	<i>Larus smithsonianus</i>	P	O	v	OW	
PELICANS						
American White Pelican	<i>Pelecanus erythrorhynchos</i>	P	O	m	OW	
HERONS, BITTERNs						
American Bittern	<i>Botaurus lentiginosus</i>	P	O	m	OW	
Snowy Egret	<i>Egretta thula</i>	P*	O	m	OW, RW	
Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	P	O	m	OW, RW	
Green Heron	<i>Butorides virescens</i>	P*	O	m	OW, RW	
Great Egret	<i>Ardea alba</i>	P*	O	m	OW, RW	
Western Cattle Egret	<i>Ardea ibis</i>	P*	O	m	OW, RW	
Great Blue Heron	<i>Ardea herodias</i>	P*	O	m	OW, RW	
IBIS						
White-faced Ibis	<i>Plegadis chihi</i>	P*	R	m	OW	
VULTURES, HAWKS, EAGLES						
Turkey Vulture	<i>Cathartes aura</i>	P*	C	b ^s	AH	[*]
Osprey	<i>Pandion haliaetus</i>	P	O	v	AH	
Golden Eagle	<i>Aquila chrysaetos</i>	P*	UC	b ^y	RC, GS	[*]
Northern Harrier	<i>Circus hudsonius</i>	P*	C	r	GS	

APPENDIX 2. (continued)

Common name	Scientific name	Park status	Abundance	Residency	Habitat	Breeding status
Bald eagle	<i>Haliaeetus leucocephalus</i>	P	O	v	AH	
Sharp-shinned Hawk	<i>Accipiter striatus</i>	P*	R	b ^s	RW	
Cooper's Hawk	<i>Astur cooperii</i>	P*	UC	b ^s	RW, RE	
Swainson's Hawk	<i>Buteo swainsoni</i>	P*	UC	b ^s	GS	[*]
Red-tailed Hawk (Western)	<i>Buteo jamaicensis</i>	P*	C	b ^y	AH	[*]
Rough-legged Hawk	<i>Buteo lagopus</i>	P	O	r	AH	
Ferruginous Hawk	<i>Buteo regalis</i>	P*	O	r	AH	
OWLS						
American Barn Owl	<i>Tyto furcata</i>	P*	UC	b ^y	ST, RC, GS	[*]
Western Screech Owl	<i>Megascops kennicottii</i>	P*	O	b ^y	RW	
Great-horned Owl	<i>Bubo virginianus</i>	P*	UC	b ^y	RW, RE, RC	*
Burrowing Owl	<i>Athene cunicularia</i>	P*	UC	b ^s	GS	*
Long-eared Owl	<i>Asio otus</i>	P	O	b ^y	RW	
Short-eared Owl	<i>Asio flammeus</i>	P	O	v	GS, RC	
Northern Saw-whet Owl	<i>Aegolius acadicus</i>	P*	R	r	JW, RE	
KINGFISHERS						
Belted Kingfisher	<i>Megaceryle alcyon</i>	P*	O	m	RW, OW	
WOODPECKERS						
Lewis's Woodpecker	<i>Melanerpes lewis</i>	P*	O	m	JW, RE	
Acorn Woodpecker	<i>Melanerpes formicivorus</i>	P*	O	v	RW, RE	
Williamson's Sapsucker	<i>Sphyrapicus thyroideus</i>	P*	O	m	RW, RE	
Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	P*	O	v	RW, RE	

APPENDIX 2. (continued)

Common name	Scientific name	Park status	Abundance	Residency	Habitat	Breeding status
Red-naped Sapsucker	<i>Sphyrapicus nuchalis</i>	P*	O	m	RW, RE	
Red-breasted Sapsucker	<i>Sphyrapicus ruber</i>	P*	O	v	RW, RE	
Downy Woodpecker	<i>Dryobates pubescens</i>	P	O	v	RW, RE	
Ladder-backed Woodpecker	<i>Dryobates scalaris</i>	P	O	v	RW, RE	
Hairy Woodpecker	<i>Dryobates villosus</i>	P*	O	v	RW, RE	
Northern (Red-shafted) Flicker	<i>Colaptes auratus</i>	P*	C	by	RW, RE	*
FALCONS						
American Kestrel	<i>Falco sparverius</i>	P*	C	b ^y	RC, GS	*
Merlin	<i>Falco columbarius</i>	P*	R	r	AH	
Prairie Falcon	<i>Falco mexicanus</i>	P*	UC	b ^y	RC, GS	*
FLYCATCHERS						
Northern Beardless Tyrannulet	<i>Camptostoma imberbe</i>	P	O	v	UN	
Ash-throated Flycatcher	<i>Myiarchus cinerascens</i>	P*	C	b ^s	RW, GS	[*]
Cassin's Kingbird	<i>Tyrannus vociferans</i>	P*	UC	b ^s	RW, RE	*
Western Kingbird	<i>Tyrannus verticalis</i>	P*	C	bs	RW, RE	*
Olive-sided Flycatcher	<i>Contopus cooperi</i>	P*	UC	m	RW	
Western Wood Pewee	<i>Contopus sordidulus</i>	P*	UC	m	RW, JW	
Willow Flycatcher	<i>Empidonax traillii</i>	P*	R	m	RW, RE	
Hammond's Flycatcher	<i>Empidonax hammondii</i>	P*	O	m	RW	
Gray Flycatcher	<i>Empidonax wrightii</i>	P*	UC	m	RW, RE, JW	

APPENDIX 2. (continued)

Common name	Scientific name	Park status	Abundance	Residency	Habitat	Breeding status
Dusky Flycatcher	<i>Empidonax oberholseri</i>	P*	R	m	RW, RE	
Western Flycatcher	<i>Empidonax difficilis</i>	P*	UC	m	RW, JW	
Black Phoebe	<i>Sayornis nigricans</i>	P*	R	m	RW, OW	
Say's Phoebe	<i>Sayornis saya</i>	P*	C	b ^y	RW, GS, RC	*
Vermilion Flycatcher	<i>Pyrocephalus rubinus</i>	P*	O	v	GS, RE, RW	
VIREOS						
Gray Vireo	<i>Vireo vicinior</i>	P*	UC	m	RW, JW	
Cassin's Vireo	<i>Vireo cassinii</i>	P*	UC	m	RW, RE	
Plumbeous Vireo	<i>Vireo plumbeus</i>	P*	R	m	RW, RE	
Warbling Vireo	<i>Vireo gilvus</i>	P*	R	m	RW	
SHRIKES						
Loggerhead Shrike	<i>Lanius ludovicianus</i>	P*	A	b ^y	GS, RW, JW	*
JAYS, CROWS						
Pinyon Jay	<i>Gymnorhinus cyanocephalus</i>	P*	O	m	JW, RW	
Steller's Jay	<i>Cyanocitta stelleri</i>	P*	O	m	JW, RE	
Woodhouse's Scrub Jay	<i>Aphelocoma woodhousii</i>	P*	R	m	JW, RE	
Clark's Nutcracker	<i>Nucifraga columbiana</i>	P	O	v	JW, RW	
Black-billed Magpie	<i>Pica hudsonia</i>	P*	O	v	JW, RW	
American Crow	<i>Corvus brachyrhynchos</i>	P*	R	b ^y	AH	[*]
Common Raven	<i>Corvus corax</i>	P*	C	b ^y	AH	*
TITMICE, BUSHTITS						
Mountain Chickadee	<i>Poecile gambeli</i>	P*	O	r	JW, RE	
Bridled Titmouse	<i>Baeolophus wollweberi</i>	P*	O	v	RW	

APPENDIX 2. (continued)

Common name	Scientific name	Park status	Abundance	Residency	Habitat	Breeding status
Juniper Titmouse	<i>Baeolophus ridgwayi</i>	P*	O	r	JW, RW	
Bushtit	<i>Psaltriparus minimus</i>	P*	C	b ^y	RW, JW	*
LARKS						
Horned Lark	<i>Eremophila alpestris</i>	P*	A	b ^y	GS	*
SWALLOWS						
Bank Swallow	<i>Riparia riparia</i>	P*	O	m	RW	
Tree Swallow	<i>Tachycineta bicolor</i>	P*	O	m	RW	
Violet-green Swallow	<i>Tachycineta thalassina</i>	P*	C	m	AH	
Northern Rough-winged Swallow	<i>Stelgidopteryx serripennis</i>	P*	UC	m	RW	
Purple Martin	<i>Progne subis</i>	P	O	m	UN	
Barn Swallow	<i>Hirundo rustica</i>	P*	UC	b ^s	RW, RE, GS	*
Cliff Swallow	<i>Petrochelidon pyrrhonota</i>	P*	C	b ^s	ST, RC, HS	*
KINGLETS						
Ruby-crowned Kinglet	<i>Corthylio calendula</i>	P*	C	m	RE, RW, JW	
Golden-crowned Kinglet	<i>Regulus satrapa</i>	P*	O	m	RE	
WAXWINGS						
Bohemian Waxwing	<i>Bombycilla garrulus</i>	P	O	v	RE	
Cedar Waxwing	<i>Bombycilla cedrorum</i>	P*	R	m	RE, RW	
SILKY FLYCATCHERS						
Phainopepla	<i>Phainopepla nitens</i>	P*	O	v	JW, RE	
NUTHATCHES						
Red-breasted Nuthatch	<i>Sitta canadensis</i>	P*	R	m	JW, RW, RE	

APPENDIX 2. (continued)

Common name	Scientific name	Park status	Abundance	Residency	Habitat	Breeding status
White-breasted Nuthatch	<i>Sitta carolinensis</i>	P*	O	r	RW, RE, JW	
Pygmy Nuthatch	<i>Sitta pygmaea</i>	P*	O	v	JW, RW, RE	
CREEPERS						
Brown Creeper	<i>Certhia americana</i>	P*	O	m	JW, RE, RW	
GNATCATCHERS						
Blue-gray Gnatcatcher	<i>Polioptila caerulea</i>	P*	UC	m	RW, RE	
WRENS						
Rock Wren	<i>Salpinctes obsoletus</i>	P*	A	b ^y	RC	*
Canyon Wren	<i>Catherpes mexicanus</i>	P*	R	b ^s	RC	[*]
Bewick's Wren	<i>Thryomanes bewickii</i>	P*	R	r	RW, RE	
Northern House Wren	<i>Troglodytes aedon</i>	P*	UC	b ^s	RW, RE	[*]
Pacific Wren	<i>Troglodytes pacificus</i>	P*	O	v	RW, RE	
Marsh Wren	<i>Cistothorus palustris</i>	P*	O	m	OW, RW	
MOCKINGBIRDS, THRASHERS						
Gray Catbird	<i>Dumetella carolinensis</i>	P	O	v	JW, RE	
Curve-billed Thrasher	<i>Toxostoma curvirostre</i>	P*	O	v	RW	
Brown Thrasher	<i>Toxostoma rufum</i>	P	O	v	RE, RW	
Bendire's Thrasher	<i>Toxostoma bendirei</i>	P*	R	b ^s	RW, JW	[*]
Crissal Thrasher	<i>Toxostoma crissale</i>	P*	UC	b ^y	RW	[*]
Sage Thrasher	<i>Oreoscoptes montanus</i>	P*	UC	b ^y	GS	*
Northern Mockingbird	<i>Mimus polyglottos</i>	P*	C	b ^s	JW, GS, RW	[*]

APPENDIX 2. (continued)

Common name	Scientific name	Park status	Abundance	Residency	Habitat	Breeding status
STARLINGS						
European Starling	<i>Sturnus vulgaris</i>	P*	C	b ^y	RE, RW	[*]
BLUEBIRDS, THRUSHES						
Western Bluebird	<i>Sialia mexicana</i>	P*	R	r	GS, RE	
Mountain Bluebird	<i>Sialia currucoides</i>	P*	R	r	JW, RE, GS	
Townsend's Solitaire	<i>Myadestes townsendi</i>	P*	UC	r	JW, RE	
Swainson's Thrush	<i>Catharus ustulatus</i>	P*	O	m	RW	
Hermit Thrush	<i>Catharus guttatus</i>	P*	UC	m	RW, RE	
American Robin	<i>Turdus migratorius</i>	P*	C	r	RE, JW	
Varied Thrush	<i>Ixoreus naevius</i>	P*	O	v	RW, RE	
OLD WORLD SPARROWS						
House Sparrow	<i>Passer domesticus</i>	P*	C	b ^y	RE	*
PIPITS						
American Pipit	<i>Anthus rubescens</i>	P*	R	m	GS, OW	
FINCHES						
Evening Grosbeak	<i>Coccothraustes vespertinus</i>	P*	O	m	RE, RW	
House Finch	<i>Haemorhous mexicanus</i>	P*	A	b ^y	RW, RE, GS	*
Cassin's Finch	<i>Haemorhous cassinii</i>	P*	R	m	RW, RE	
Pine Siskin	<i>Spinus pinus</i>	P*	R	m	RE, RW	
Lesser Goldfinch	<i>Spinus psaltria</i>	P*	UC	b ^s	RW, RE	[*]
American Goldfinch	<i>Spinus tristis</i>	P*	O	r	RE, RW	

APPENDIX 2. (continued)

Common name	Scientific name	Park status	Abundance	Residency	Habitat	Breeding status
TOWHEES, SPARROWS						
Chestnut-collared Longspur	<i>Calcarius ornatus</i>	P	O	m	GS	
Cassin's Sparrow	<i>Peucaea cassinii</i>	P*	O	b ^s	GS	[*]
Grasshopper Sparrow	<i>Ammodramus savi-</i> <i>narum</i>	P*	O	m	GS	
Black-throated Sparrow	<i>Amphispiza bilineata</i>	P*	A	b ^s	GS	*
Lark Sparrow	<i>Chondestes grammacus</i>	P*	UC	b ^s	RW, GS	*
Lark Bunting	<i>Calamospiza melanocorys</i>	P*	R	m	GS	
Chipping Sparrow	<i>Spizella passerina</i>	P*	UC	m	GS	
Black-chinned Sparrow	<i>Spizella atrogularis</i>	P*	O	m	RE, JW	
Brewer's Sparrow	<i>Spizella breweri</i>	P*	C	b ^s	GS	[*]
Fox Sparrow	<i>Passerella iliaca</i>	P*	O	m	RW, GS	
American Tree Sparrow	<i>Spizelloides arborea</i>	P	O	v	RW, GS	
Dark-eyed Junco	<i>Junco hyemalis</i>	P*	C	r	GS, RW	
White-crowned Sparrow	<i>Zonotrichia leucophrys</i>	P*	C	r	RW, GS, RE	
Harris's Sparrow	<i>Zonotrichia querula</i>	P*	O	v	GS, RE	
White-throated Sparrow	<i>Zonotrichia albicollis</i>	P*	O	m	GS	
Sagebrush Sparrow	<i>Artemisiospiza nevadensis</i>	P*	C	r	GS	
Vesper Sparrow	<i>Pooecetes gramineus</i>	P*	R	m	GS	
Savannah Sparrow	<i>Passerculus sandwichensis</i>	P*	O	m	GS	
Song Sparrow	<i>Melospiza melodia</i>	P*	R	r	RW, GS	
Lincoln's Sparrow	<i>Melospiza lincolni</i>	P*	R	m	RW, GS	
Canyon Towhee	<i>Melospiza fusca</i>	P*	R	r	GS	

APPENDIX 2. (continued)

Common name	Scientific name	Park status	Abundance	Residency	Habitat	Breeding status
Rufous-crowned Sparrow	<i>Aimophila ruficeps</i>	P*	O	m	GS, JW	
Green-tailed Towhee	<i>Pipilo chlorurus</i>	P*	UC	m	RW, JW	
Spotted Towhee	<i>Pipilo maculatus</i>	P*	R	m	RW	[*]
BLACKBIRDS, ORIOLES						
Yellow-breasted Chat	<i>Icteria virens</i>	P*	O	m	RW, RE	
Yellow-headed Blackbird	<i>Xanthocephalus xanthocephalus</i>	P*	O	m	RE, RW, OW	
Chihuahuan Meadowlark	<i>Sturnella lilianae</i>	P*	C	b ^s	GS	*
Western Meadowlark	<i>Sturnella neglecta</i>	P*	C	b ^y	GS	*
Hooded Oriole	<i>Icterus cucullatus</i>	P*	O	v	RE	
Bullock's Oriole	<i>Icterus bullockii</i>	P*	C	b ^s	RE	*
Baltimore Oriole	<i>Icterus galbula</i>	P*	O	v	RW, RE	
Scott's Oriole	<i>Icterus parisorum</i>	P*	O	m	JW, RE	
Red-winged Blackbird	<i>Agelaius phoeniceus</i>	P*	O	m	RW, GS	
Brown-headed Cowbird	<i>Molothrus ater</i>	P*	UC	b ^s	RW, GS	*
Brewer's Blackbird	<i>Euphagus cyanocephalus</i>	P*	R	m	GS, RE	
Great-tailed Grackle	<i>Quiscalus mexicanus</i>	P*	C	b ^s	RE	*
WOOD WARBLERS						
Ovenbird	<i>Seiurus aurocapilla</i>	P*	O	v	RW, RE	
Northern Waterthrush	<i>Parkesia noveboracensis</i>	P*	O	v	RW, RE	
Black and White Warbler	<i>Mniotilta varia</i>	P*	O	v	RW, RE	
Orange-crowned Warbler	<i>Leiothlypis celata</i>	P*	C	m	RW, RE	

APPENDIX 2. (continued)

Common name	Scientific name	Park status	Abundance	Residency	Habitat	Breeding status
Lucy's Warbler	<i>Leiothlypis luciae</i>	P*	O	m	RW, RE	
Nashville Warbler	<i>Leiothlypis ruficapilla</i>	P*	O	m	RW, RE	
Virginia's Warbler	<i>Leiothlypis virginiae</i>	P*	R	m	RW, RE, JW	
MacGillivray's Warbler	<i>Geothlypis tolmiei</i>	P*	C	m	RW, RE, JW	
Common Yellowthroat	<i>Geothlypis trichas</i>	P*	R	m	RW, RE	
American Redstart	<i>Setophaga ruticilla</i>	P	O	v	RW, RE	
Northern Parula	<i>Setophaga americana</i>	P*	O	v	RW, RE	
Magnolia Warbler	<i>Setophaga magnolia</i>	P*	O	v	RW, RE	
Yellow Warbler	<i>Setophaga petechia</i>	P*	UC	m	RW, RE	
Chestnut-sided Warbler	<i>Setophaga pensylvanica</i>	P*	O	v	RW, RE	
Black-throated Blue Warbler	<i>Setophaga caerulescens</i>	P	O	v	RE, RW	
Palm Warbler	<i>Setophaga palmarum</i>	P	O	v	UN	
Yellow-rumped Warbler	<i>Setophaga coronata</i>	P*	C	m	RW, RE, JW	
Grace's Warbler	<i>Setophaga graciae</i>	P	O	v	JW, RW, RE	
Black-throated Gray Warbler	<i>Setophaga nigrescens</i>	P*	UC	m	RW, RE	
Townsend's Warbler	<i>Setophaga townsendi</i>	P*	R	m	RW, RE, JW	
Hermit Warbler	<i>Setophaga occidentalis</i>	P*	O	m	RW, RE, JW	
Wilson's Warbler	<i>Cardellina pusilla</i>	P*	UC	m	RW, RE	

APPENDIX 2. (continued)

Common name	Scientific name	Park status	Abundance	Residency	Habitat	Breeding status
Red-faced Warbler	<i>Cardellina rubrifrons</i>	P	O	v	RW, RE	
TANAGERS						
Hepatic Tanager	<i>Piranga flava</i>	P*	O	m	RE	
Summer Tanager	<i>Piranga rubra</i>	P*	O	m	RE, RW	
Western Tanager	<i>Piranga ludoviciana</i>	P*	UC	m	RW, RE	
CARDINALS						
Rose-breasted Grosbeak	<i>Pheucticus ludovicianus</i>	P*	O	v	RE, RW	
Black-headed Grosbeak	<i>Pheucticus melanocephalus</i>	P*	UC	m	RW, RE	
Blue Grosbeak	<i>Passerina caerulea</i>	P*	C	b ^s	RW	*
Lazuli Bunting	<i>Passerina amoena</i>	P*	C	m	RW, RE	
Indigo Bunting	<i>Passerina cyanea</i>	P*	O	m	RW, RE	
Painted Bunting	<i>Passerina ciris</i>	P	O	v	RW, RE	