

**Table D.9** Avian Species of Concern Potentially Found on or Near the Hanford Site - Status

Common Name	Federal Status <sup>(a)</sup>	Washington State Status <sup>(a)</sup>	WDFW Priority Species (Criterion) <sup>(a)</sup>	Oregon State Status <sup>(a)</sup>	Species Identified by Federal Regulation as Migratory <sup>(b)</sup>	Global and Washington State Rarity Status <sup>(a)</sup>	Oregon State Rarity Status <sup>(a)</sup>	Resource Level of Concern at Hanford <sup>(c)</sup>	Comments <sup>(d)</sup>
Aleutian Canada Goose	Threatened	Endangered	NO (see comments)	Endangered	M	G5T2, SZN		IV	Listing status applies to just this subspecies of the Canada goose. The subspecies is not separately identified as a priority species by WDFW. <sup>(a)</sup>
American Avocet			YES (2)		M	G5, S4B, SZN		II	Resident breeder
American Bittern			NO		M	G4, S4N, S4B		II	Resident breeder
American Coot			NO		M	G5, S5B, S5N		II	Resident breeder
American Crow			NO		M	G5, S5		II	Resident breeder
American Kestrel			NO		M	G5, S5B, S5N		II	Resident breeder
American Robin			NO		M	G5, S5B, S5N		II	Resident breeder
American White Pelican		Endangered	YES (1,2)	Sensitive/vulnerable	M	G3, S1B, S2N		III	Oregon State status applies only to breeding populations. <sup>(e)</sup> Although observed in significant numbers on Hanford since 1990, no breeding/nesting activity has been recorded. Recently documented as having bred in the Wallula Gap area. <sup>(e)</sup>
American Wigeon			YES (2,3)		M	G5, S4B, S5N		II	Priority species criteria refers only to significant waterfowl breeding areas and to regular-large concentrations in winter of Family Anatidae. <sup>(a)</sup> Winter resident.
Arctic Tern		Monitor	YES (2)		M	G5, S2B, SZN		II	Priority species criteria refers only to breeding populations. <sup>(a)</sup> Observed during October.
Ash-throated Flycatcher		Monitor	NO		M	G5, S2B, SZN		II	Erratic occurrences on Hanford. Usually observed in June and September.
Bald Eagle	Threatened	Threatened	YES (1)	Threatened	M	G4, S3S4B, S4N	S3	IV	Nesting attempted; no successful reproduction recorded. Some night roost and potential nest locations require buffer zones to minimize disturbance <sup>(f)</sup>
Bank Swallow			NO	Sensitive/undetermined status	M	G5, S4B, SZN		II	Regularly breeds on Hanford

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Barn Owl			NO		M	G5, S4		II	Resident breeder
Barn Swallow			NO		M	G5, S5B, S5N		II	Resident breeder
Barred Owl		Monitor	NO		M	G5, S5		II	Not believed to breed on Hanford. Apparently makes two short stops in April and September.
Barrow's Goldeneye			YES (2,3)	Sensitive/ peripheral or naturally rare	M	G5, S4B, S4N		II	Winter resident. Oregon State status applies only to breeding populations. <sup>(a)</sup>
Belted Kingfisher			NO		M	G5, S5		II	Resident breeder
Bewick's Wren			NO		M	G5, S5		II	Resident breeder
Black Tern	Former candidate	Monitor	YES (2)		M	G4, S4B, SZN		II	Priority species criteria refers only to breeding populations. <sup>(a)</sup> Not believed to breed on Hanford. Observed on Site from May-June and August-September.
Black-billed Magpie			NO		M	G5, S5		II	Resident breeder
Black-crowned Night Heron		Monitor	YES (2)		M	G5, S3B, S3N		II	Landeem et al. (1992) and Fitzner and Gray (1991) report this species as being present year round. Ennor (1991) reports arrival and departure dates of August and March, respectively. Observed breeding on islands across from 300 Area in 1994 and 1995.
Black-headed Grosbeak			NO		M	G5, S5B, SZN		II	Resident breeder
Black-necked Stilt		Monitor	YES (2)		M	G5, S3B, S3N		II	Priority species criteria refers only to breeding populations. <sup>(a)</sup> Observed from April-May and in August
Black-throated Sparrow			NO	Sensitive/ peripheral or naturally rare	M			II	Erratic occurrences on Hanford

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Brewer's Blackbird			NO		M	G5, S5		II	Resident breeder
Brewer's Sparrow			NO		M	G4, S4B, SZN		II	Resident breeder
Brown-headed Cowbird			NO		M	G5, S5B, S4N		II	Resident breeder
Bufflehead			YES (2,3)	Sensitive/ peripheral or naturally rare	M	G5, SZB, S5N		II	Winter resident. Oregon State status applies only to breeding populations. <sup>(a)</sup>
Bullock's (formerly Northern) Oriole			NO		M	G5, S4S5B, SZN		II	Resident breeder
Burrowing Owl	Former candidate	Candidate	YES (1)	Sensitive/ critical	M	G4, S3B, SZN	S?	III	Habitat also includes weedy fields of non-native annuals/areas recovering from fire/ other disturbance. <sup>(g)</sup>
California Gull			NO		M	G5, S4B, S5N		II	Resident breeder
Canada Goose			YES (2,3)		M	G5, S5B, S5N		II	Priority species criteria refer only to significant waterfowl breeding areas and regular-large concentrations in winter of Family Anatidae, excluding Canada geese in urban areas. <sup>(a)</sup> Resident breeding population plus separate wintering population.
Caspian Tern		Monitor	YES (2)		M	G5, S4S5B, SZN		II	Priority species criteria refers only to breeding populations. <sup>(a)</sup>
Clark's Grebe		Monitor	YES (2)		M	G5, S2B, SZN		II	Priority species criteria refers only to breeding populations. <sup>(a)</sup> Observed in fall (October).
Cliff Swallow			NO		M	G5, S5B, SZN		II	Resident breeder
Common Goldeneye			YES (2,3)		M	G5, SA, S5N		II	Winter resident

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Common Loon		Candidate	YES (1,2)		M	G5, S2B, S5N		III	Some present fall/winter; others resident year-round. Rare breeder on Site (two sightings of juveniles in the last 10 years). <sup>(e)</sup>
Common Merganser			YES (2,3)		M	G5, S4B, S5N		II	Priority species criteria refer only to significant waterfowl breeding areas and to regular-large concentrations in winter of Family Anatidae. <sup>(a)</sup> Resident breeder
Common Nighthawk			NO		M	G5, S4B, SZN		II	Spring/summer breeder
Eastern Kingbird			NO		M	G5, S4S5B, SZN		II	Spring/summer breeder
Common Poorwill			NO		M	G5, S4B, SZN		II	Spring/summer breeder
Common Raven			NO		M	G5, S5		II	Resident breeder
Dark-eyed Junco			NO		M	G5, S5B, S5N		II	Winter resident
Ferruginous Hawk	Former candidate	Threatened	YES (1)	Sensitive/critical	M	G4, S2B, SZN	S3	III	Resident breeder. Habitat also includes dry upper slopes of ALE <sup>(g)</sup> canyons. Nest locations require buffer zones to minimize disturbance. <sup>(h)</sup>
Flammulated Owl		Candidate	YES (1)	Sensitive/critical	M	G4, S3B, SZN		III	Observed during March
Forster's Tern		Monitor	YES (2)		M	G5, S3B?, SZN		II	Priority species criteria refers only to breeding populations. <sup>(a)</sup>
Franklin's Gull			NO	Sensitive/peripheral or naturally rare	M	G5, SZN		II	

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Golden Eagle		Candidate	YES (1)		M	G4, S3B, S3N		III	May reside year-round in Tri-Cities; <sup>(g)</sup> occasionally seen on Hanford year-round. <sup>(g,i)</sup> Also observed in native bunchgrass areas recovering from fire/other disturbance, and on Rattlesnake/Saddle Mountain. <sup>(g)</sup>
Grasshopper Sparrow		Monitor	NO	Sensitive/undetermined status	M	G5, S3B, SZN		II	Spring/summer breeder. Observed on ALE using native bunchgrass areas, weedy fields of non-native annuals, and areas recovering from fire/other disturbance. <sup>(g)</sup>
Great Blue Heron		Monitor	YES (2)		M	G5, S4S5		II	Regularly nests on the Hanford Site
Great Egret		Monitor	NO	Sensitive/undetermined status	M	G5, S3B, SZN		II	Present from April to May/August to September. Rare breeder. Observed nesting with Great Blue Heron colony once or twice in the late 1980s. <sup>(i)</sup> See Fitzner and Gray (1991).
Great-horned Owl			NO		M	G5, S5		II	Resident breeder
Gyr Falcon		Monitor	NO		M	G5, S2N		II	Winter sighting. No recent records.
Harlequin Duck			YES (2,3)	Sensitive/peripheral or naturally rare	M	G4, S3		II	Oregon State status applies only to breeding populations. <sup>(a)</sup>
Horned Grebe		Monitor	YES (2)	Sensitive/peripheral or naturally rare	M	G5, S3B, S5N		II	Priority species criteria refers only to breeding populations. <sup>(a)</sup> Oregon State status applies only to breeding populations. <sup>(a)</sup>
Horned Lark			NO		M	G5, S5B, S5N		II	Resident breeder
House Finch			NO		M	G5, S5		II	Resident breeder
Killdeer			YES (2)		M	G5, S5B, S5N		II	Spring-summer breeder
Lark Sparrow					M	G5, S4B, SZN		II	Spring-summer breeder
Lazuli Bunting			NO		M	G5, S5B, SZN		II	Spring-summer breeder

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Lewis' Woodpecker		Candidate	NO	Sensitive/critical	M	G4, S3B, SZN	S3, S4	III	Present late April to May/mid-August to mid-October. Observed in ALE riparian areas. <sup>(g)</sup>
Loggerhead Shrike	Former candidate	Candidate	YES (1)	Sensitive/undetermined status	M	G4G5, S3B, SZN		III	Some year-round residents; others migrate. Observed in native bunchgrass areas, weedy fields of non-native annuals, areas recovering from fire/other disturbance, ALE riparian areas on ALE. <sup>(g)</sup>
Long-billed Curlew	Former candidate	Monitor	YES (3)		M	G5, S2B, S2N		II	Also observed in native bunchgrass areas, weedy fields with non-native annuals, and areas recovering from fire/other disturbance. <sup>(g)</sup> Spring/summer breeder.
Mallard			YES (2,3)		M	G5, S5B, S5N		II	Resident breeder
Marsh Wren			NO		M	G5, S4N, S5B		II	Resident breeder
Merlin		Candidate	YES (1)		M	G4, S3B, S4N		III	A few recent sightings in winter. <sup>(i)</sup>
Mourning Dove			NO		M	G5, S5B, S5N		II	Spring-summer breeder
Northern Flicker			NO		M	G5, S5		II	Resident breeder
Northern Goshawk	Former candidate	Candidate	YES (1)	Sensitive/critical	M	G4, S3B, S3N		III	A few recent sightings. <sup>(i)</sup>
Northern Harrier			NO		M	G5, S4B, S4S5N		II	Resident breeder
Northern Shrike			NO		M	G5, S4N		II	Winter resident
Olive-sided Flycatcher	Former candidate		NO		M	G5, S4S5B, SZN		II	
Oregon Vesper Sparrow		Monitor	NO	Sensitive/undetermined status	M	G5TU, S2S3B, SZN		II	Common in bluebunch wheatgrass on Rattlesnake Mountain where it regularly breeds.
Osprey		Monitor	YES (3)		M	G5, S4B, SZN		II	Present during September to October/April to May.
Peregrine Falcon	Endangered	Endangered	YES (1)	Endangered	M	G4, S1B, S3N	S1	IV	Present late November to January

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Prairie Falcon		Monitor	YES (3)		M	G5, S3B, S3N		II	Also observed in bunchgrass areas, weedy fields of non-native annuals, areas recovering from fire/other disturbance, Rattlesnake Mountain/Saddle Mountain, rivers, and dry upper slopes of ALE canyons. <sup>(g)</sup> Resident breeder.
Red-necked Grebe		Monitor	YES (3)	Sensitive/critical	M	G5, S3B, S5N		II	Priority species criteria refers only to breeding populations. <sup>(a)</sup> Oregon State status applies only to breeding populations. <sup>(a)</sup>
Red-tailed Hawk			NO		M	G5, S5B, S5N		II	Resident breeder
Red-winged Blackbird			NO		M	G5, S5B, S5N		II	Spring/summer breeder
Ring-billed Gull			NO		M	G5, S5B, S5N		II	Spring/summer breeder
Rock Wren			NO		M	G5, S5B, SZN		II	Spring/summer breeder
Sage Grouse	Former candidate	Candidate	YES (1,3)	Sensitive/vulnerable		G5, S3		III	
Sage Sparrow		Candidate	YES (1)		M	G5, S3B, SZN		III	Habitat also includes dry upper slopes of ALE canyons. <sup>(g)</sup>
Sage Thrasher		Candidate	YES (1)		M	G5, S3B, SZN		III	Habitat also includes ALE riparian areas. <sup>(g)</sup>
Sandhill Crane		Endangered	YES (1)	Sensitive/vulnerable	M	G5, S1B, S3N		III	Early March-May/mid-September/early November. Habitat also includes Rattlesnake/Saddle Mountain. <sup>(g)</sup> Rarely lands on Site.
Say's Phoebe			NO		M	G5, S5B, SZN		II	Spring/summer breeder
Sharp-tailed Grouse	Former candidate	Monitor	YES (1,3)			G4, S2	S?	II	Possibly present on ALE in early 1970s. Not documented on Hanford since then. <sup>(k)</sup>
Snowy Egret			NO	Sensitive/vulnerable	M	G5, SZN		II	Oregon State status applies only to breeding populations. <sup>(a)</sup>
Snowy Owl		Monitor	NO		M	G5, S3N		II	

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Prairie Falcon		Monitor	YES (3)		M	G5, S3B, S3N		II	Also observed in bunchgrass areas, weedy fields of non-native annuals, areas recovering from fire/other disturbance, Rattlesnake Mountain/Saddle Mountain, rivers, and dry upper slopes of ALE canyons. <sup>(g)</sup> Resident breeder.
Red-necked Grebe		Monitor	YES (3)	Sensitive/critical	M	G5, S3B, S5N		II	Priority species criteria refers only to breeding populations. <sup>(a)</sup> Oregon State status applies only to breeding populations. <sup>(a)</sup>
Red-tailed Hawk			NO		M	G5, S5B, S5N		II	Resident breeder
Red-winged Blackbird			NO		M	G5, S5B, S5N		II	Spring/summer breeder
Ring-billed Gull			NO		M	G5, S5B, S5N		II	Spring/summer breeder
Rock Wren			NO		M	G5, S5B, SZN		II	Spring/summer breeder
Sage Grouse	Former candidate	Candidate	YES (1,3)	Sensitive/vulnerable		G5, S3		III	
Sage Sparrow		Candidate	YES (1)		M	G5, S3B, SZN		III	Habitat also includes dry upper slopes of ALE canyons. <sup>(g)</sup>
Sage Thrasher		Candidate	YES (1)		M	G5, S3B, SZN		III	Habitat also includes ALE riparian areas. <sup>(g)</sup>
Sandhill Crane		Endangered	YES (1)	Sensitive/vulnerable	M	G5, S1B, S3N		III	Early March-May/mid-September/early November. Habitat also includes Rattlesnake/Saddle Mountain. <sup>(g)</sup> Rarely lands on Site.
Say's Phoebe			NO		M	G5, S5B, SZN		II	Spring/summer breeder
Sharp-tailed Grouse	Former candidate	Monitor	YES (1,3)			G4, S2	S?	II	Possibly present on ALE in early 1970s. Not documented on Hanford since then. <sup>(k)</sup>
Snowy Egret			NO	Sensitive/vulnerable	M	G5, SZN		II	Oregon State status applies only to breeding populations. <sup>(a)</sup>
Snowy Owl		Monitor	NO		M	G5, S3N		II	

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Song Sparrow			NO		M	G5, S5B, S5N		II	Resident breeder
Spotted (formerly Rufous-sided) Towhee			NO		M	G5, S5B, S5N		II	Spring/summer breeder
Swainson's Hawk	Former candidate	Monitor	NO	Sensitive/vulnerable	M	G4, S3B, SZN	S3	III	Resident breeder. Also observed in native bunchgrass, weedy fields of non-native annuals, areas recovering from fire/other disturbance, and riparian areas. <sup>(g)</sup>
Tricolored Blackbird			NO	Sensitive/peripheral or naturally rare	M		S2	II	Erratic occurrence on Hanford. Normally breeds from southern Oregon to Baja California.
Turkey Vulture		Monitor	NO		M	G5, S4B, SZN		II	Habitat also includes Rattlesnake/Saddle Mountain. <sup>(g)</sup>
Western Bluebird		Monitor	YES (3)	Sensitive/vulnerable	M	G5, S3B, SZN		II	Migrant observed on Rattlesnake Mountain. <sup>(g)</sup>
Western Grebe		Monitor	YES (2)		M	G5, S3B, S5N		II	Priority species criteria refers only to breeding populations. <sup>(a)</sup> Primarily a winter resident/rare in summer.
Western Kingbird			NO		M	G5, S5B, SZN		II	Resident breeder
Western Meadowlark			NO		M	G5, S5B, S5N		II	Resident breeder
White-crowned Sparrow			NO		M	G5, S5B, S5N		II	Winter resident
Willow Flycatcher	Former candidate		NO		M	G5, S5B, SZN		II	

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Yellow-headed Blackbird			NO		M	G5, S5B, S4N		II	Resident breeder
Yellow-rumped Warbler			NO		M	G5, S5B, S4N		II	Winter resident.

(a) See Section D.3.5.1 for references and definitions. Global and state rarity statuses separated by commas. Often two state rarity statuses are listed. For long-distance migratory species whose non-breeding status may be different from breeding status; B and N indicate the status.

(b) 50 CFR 10.13. 1990. List of Migratory Bird Species. M = federally-listed migratory bird; no notation = not listed as federally protected migratory bird.

(c) See Section 3.3 for definitions. Each level corresponds to a set of management actions required for species at that level. A particular species is defined by its association with one specific level of management concern.

(d) Hanford Biological Resources Laboratory and Ecosystem Monitoring Project data bases maintained by Pacific Northwest National Laboratory. Comments from these sources, unless otherwise stated.

(e) Breeding information from Lisa Fitzner (pers. comm. 1996).

(f) Day and nighttime bald eagle buffers around roosts: 800 m for activities within line of sight of visible roosts, 400 m for activities out of line of sight. Bald eagle buffers around perches: none at this time, other than those recommended above for night roosts that are used for perching/resting during the day. All buffer requirements from Fitzner and Weiss (1994).

(g) Additional habitat use information from The Nature Conservancy (1995).

(h) Ferruginous hawk buffers around nests are 1.0 km (Fitzner et al. 1994).

(i) Based on Landeen et al. (1992).

(j) Breeding and sighting information from William Rickard (pers. comm. 1996).

(k) Sighting information from John Rotenberry (pers. comm. 1995).