

Appendix 2-B

Associations between Species of Wildlife and Wetlands in Washington and Oregon

This appendix shows the level of association between species of wildlife and wetlands in Washington and Oregon in a table. The data are copied directly from the tabulated data on a computer disk provided with Johnson and O'Neil (2001).

Four types of wetland habitat were identified in the document by Johnson and O'Neil. The definitions for these types are summarized below and are from Chappell et al. (2001) and O'Neil and Johnson (2001). Detailed descriptions of the geographic distribution, physical setting, landscape setting, structure, and composition are given in Chappell et al. (2001).

Herbaceous Wetlands (list of species starts on page 4)

Wetlands with the following vegetation types:

- Graminoid Wet Meadow
- Freshwater Aquatic Bed
- Herbaceous and Sedge Wetlands

This habitat is called palustrine emergent wetlands in Cowardin et al. (1979).

Westside Riparian – Wetlands (list of species starts on page 15)

Wetlands with the following vegetation types:

- *Alnus viridis* ssp. *sinuata* – *Acer circinatum* Shrublands
- Westside Riparian and Wetland Deciduous Forests
- *Picea sitchensis* Wetland Forests and Woodlands
- *Tsuga heterophylla*-*Thuja plicata* Coniferous Wetlands
- Westside Riparian/Wetland Shrublands
- Shrub/herbaceous Sphagnum Bogs
- Wooded Bogs

This habitat includes all palustrine forested wetlands and scrub-shrub wetlands at lower elevations west of the Cascades as well as a small subset of persistent emergent wetlands, those with sphagnum bogs. However, drier portions of this habitat in riparian flood plains may not qualify as wetlands according to the Cowardin definition.

Montane Coniferous Wetlands (list of species starts on page 29)

Wetlands with the following vegetation types:

- Westside Montane Coniferous Wetlands
- *Picea engelmannii* Forested Wetlands

This habitat includes nearly all the wettest forests within the *Abies amabilis* and *Tsuga mertensiana* zones of western Washington and most of the wet forests in the *Tsuga heterophylla* and *Abies lasiocarpa* zones of eastern Oregon and Washington.

Eastside (Interior) Riparian – Wetlands (list of species starts on page 38)

Wetlands with the following vegetation types:

- Eastside Midmontane *Alnus incana*-*Salix* spp. Riparian Shrublands
- Eastside Lowland Riparian Shrublands
- Eastside *Populus balsamifera* spp. *trichocarpa*
- *Alnus rhombifolia* Riparian
- *Pinus ponderosa* Riparian Woodlands
- *Populus tremuloides* Riparian/Wetland Forests and Woodlands

This habitat is called palustrine scrub-shrub and palustrine forest in Cowardin and includes some palustrine emergent in the National Wetland Inventory.

Definitions for the Types of Association

(copied from O’Neil and Johnson 2001)

Closely Associated. A species is widely known to depend on a habitat for part or all of its life history requirements. Identifying this association implies that the species has an essential need for this habitat for its maintenance and viability. Some species may be closely associated with more than one habitat; others may be closely associated with only one habitat.

Generally Associated. A species exhibits a high degree of adaptability and may be supported by a number of habitats. In other words, the habitats play a supportive role for its maintenance and viability.

Present. A species demonstrates occasional use of a habitat. The habitat provides marginal support to the species for its maintenance and viability.

The expert panelists developing this list also assigned an overall “confidence rating” to the categorization for each species within each habitat type. The confidence ratings were high (e.g., many peer or published accounts), moderate, and low (e.g., few or no published accounts).

References Cited

- Chappell, C.B., R.C. Crawford, C. Barrett, J. Kagan, D.H. Johnson, M. O’Mealy, G.A. Green, H.L. Ferguson, W.D. Edge, E.L. Greda, and T.A. O’Neil. 2001. Wildlife habitats: Descriptions, status, trends and system dynamics. Chpt. 2. p. 22-114. in D.H. Johnson and T.A. O’Neil (eds.), *Wildlife-Habitat Relationships in Oregon and Washington*. Corvallis, OR: Oregon State University Press.
- Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. *Classification of Wetlands and Deepwater Habitats of the United States*. Washington, DC: U.S. Fish and Wildlife Service.
- Johnson, D.H and T.A. O’Neil (eds.) 2001. *Wildlife-Habitat Relationships in Oregon and Washington*. Corvallis, OR: Oregon State University Press. 736pp.
- O’Neil, T.A. and D.H. Johnson. 2001. Oregon and Washington wildlife species and their habitats. (Chapter 1 p. 1-21) in D.H. Johnson and T.A. O’Neil (eds.), *Wildlife-Habitat Relationships in Oregon and Washington*. Corvallis, OR: Oregon State University Press.

PLEASE NOTE: The following tables of data do not contain the Latin name of the species. The original tables on Johnson and O’Neil (2001, data on CD) did not have the Latin names although they do have information on each individual species and its Latin name in other databases on the computer disk.

Wildlife Species Found in Herbaceous Wetlands

Amphibians Associated with Herbaceous Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Bullfrog	Closely Associated	Feeds and Breeds	High	Requires warm-water ponds, marshes, or river/stream backwaters for breeding.
Columbia Spotted Frog	Closely Associated	Feeds and Breeds	High	Rare or absent where predatory fish or bullfrogs occur. Requires shallow water in wet meadows or stream/pond edges with abundant aquatic vegetation for breeding.
Great Basin Spadefoot	Closely Associated	Feeds and Breeds	High	Requires ponds or temporary rain-filled depressions for breeding.
Long-toed Salamander	Closely Associated	Feeds and Breeds	High	Rare or absent where predatory fish are occur. Requires ponds, shallow lake edges, seasonal pools (like elk wallows) or slow streams for breeding.
Northern Leopard Frog	Closely Associated	Feeds and Breeds	High	Requires ponds or lake edges with dense aquatic and emergent vegetation for breeding.
Northwestern Salamander	Closely Associated	Feeds and Breeds	High	Requires ponds or stream backwaters for breeding.
Oregon Spotted Frog	Closely Associated	Feeds and Breeds	High	Rare or absent where predatory fish or bullfrogs occur. Requires shallow water in wet meadows or stream/pond edges with abundant aquatic vegetation for breeding.
Pacific Chorus (Tree) Frog	Closely Associated	Feeds and Breeds	High	Requires ponds, seasonal pools, temporary rain-filled depressions or slow streams for breeding.
Red-legged Frog	Closely Associated	Feeds and Breeds	High	Requires cool-water ponds, lake edges or slow streams for breeding.
Rough-skinned Newt	Closely Associated	Feeds and Breeds	High	Requires ponds or stream backwaters with abundant aquatic vegetation for breeding.
Tiger Salamander	Closely Associated	Feeds and Breeds	High	Rare or absent where predatory fish occur. Requires warm ponds or shallow lake edges for breeding.
Western Toad	Closely Associated	Feeds and Breeds	High	Requires ponds or shallow lake edges for breeding.
Woodhouse's Toad	Closely Associated	Feeds and Breeds	High	Requires warm, shallow water in ponds, lakes, or slow streams for breeding.
Cascades Frog	Generally Associated	Feeds and Breeds	Moderate	Range limited to Cascade axis fringe. Requires bogs or ponds with cold springs for breeding.

Birds Associated with Herbaceous Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
American Avocet	Closely Associated	Feeds and Breeds	High	None noted.
American Bittern	Closely Associated	Feeds and Breeds	High	None noted.
American Black Duck	Closely Associated	Feeds and Breeds	Low	None noted.
American Coot	Closely Associated	Feeds and Breeds	High	None noted.
American Wigeon	Closely Associated	Feeds and Breeds	High	None noted.
Baird's Sandpiper	Closely Associated	Feeds	Moderate	None noted.
Barn Swallow	Closely Associated	Feeds	High	Can nest anywhere buildings, bridges, or overhanging cliffs occur in close proximity to water.
Black Tern	Closely Associated	Feeds and Breeds	High	None noted.
Black-crowned Night-heron	Closely Associated	Feeds	High	Requires shrubs or trees for nesting.
Black-necked Stilt	Closely Associated	Feeds and Breeds	High	None noted.
Blue-winged Teal	Closely Associated	Feeds and Breeds	High	None noted.
Bufflehead	Closely Associated	Feeds	High	Nests in tree cavities near ponds or lakes.
Canada Goose	Closely Associated	Feeds and Breeds	High	None noted.
Canvasback	Closely Associated	Feeds and Breeds	High	None noted.
Caspian Tern	Closely Associated	Feeds	High	None noted.
Cattle Egret	Closely Associated	Feeds	High	Requires shrubs or trees for nesting.
Cinnamon Teal	Closely Associated	Feeds and Breeds	High	None noted.
Clark's Grebe	Closely Associated	Feeds and Breeds	High	Nests placed on a floating platform of fresh and decaying vegetation in shallow water.
Common Loon	Closely Associated	Feeds and Breeds	Moderate	Nests in emergent vegetation at lake edges. No nesting confirmed in Oregon.
Common Snipe	Closely Associated	Feeds and Breeds	High	None noted.
Common Yellowthroat	Closely Associated	Feeds and Breeds	High	None noted.

Birds Associated with Herbaceous Wetlands

Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Dunlin	Closely Associated	Feeds	Moderate	None noted.
Eared Grebe	Closely Associated	Feeds and Breeds	Moderate	Nests placed on a floating platform of fresh and decaying vegetation in shallow water.
Forster's Tern	Closely Associated	Feeds and Breeds	High	None noted.
Franklin's Gull	Closely Associated	Feeds and Breeds	High	Breeds at Mahleur Lake, Oregon.
Gadwall	Closely Associated	Feeds and Breeds	High	None noted.
Great Blue Heron	Closely Associated	Feeds	High	Requires trees for nesting.
Great Egret	Closely Associated	Feeds	High	Requires tall shrubs or trees for nesting.
Greater White-fronted Goose	Closely Associated	Feeds	High	None noted
Greater Yellowlegs	Closely Associated	Feeds	High	Has bred at least four times at Downy Lake, Wallowa County, Oregon.
Green Heron	Closely Associated	Feeds	High	Requires shrubs or trees for nesting.
Green-winged Teal	Closely Associated	Feeds and Breeds	High	None noted.
Horned Grebe	Closely Associated	Feeds and Breeds	Moderate	Nests placed on a floating platform of fresh and decaying vegetation in shallow water.
Least Bittern	Closely Associated	Feeds and Breeds	High	Rare breeder in Oregon; does not occur in Washington.
Least Sandpiper	Closely Associated	Feeds	Moderate	None noted.
Lesser Scaup	Closely Associated	Feeds and Breeds	High	None noted.
Lesser Yellowlegs	Closely Associated	Feeds	High	None noted.
Lincoln's Sparrow	Closely Associated	Feeds and Breeds	Moderate	None noted.
Long-billed Dowitcher	Closely Associated	Feeds	High	None noted.
Mallard	Closely Associated	Feeds and Breeds	High	None noted.
Marsh Wren	Closely Associated	Feeds and Breeds	Moderate	None noted.
Mute Swan	Closely Associated	Feeds and Breeds	Moderate	This is an introduced species which breeds only in urban wetlands.
Northern Pintail	Closely Associated	Feeds and Breeds	High	None noted.

Birds Associated with Herbaceous Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Northern Rough-winged Swallow	Closely Associated	Feeds	High	Requires burrows in dirt banks, usually next to water, for nesting.
Northern Shoveler	Closely Associated	Feeds and Breeds	High	None noted.
Pectoral Sandpiper	Closely Associated	Feeds	Moderate	None noted.
Pied-billed Grebe	Closely Associated	Feeds and Breeds	High	Nests placed on a floating platform of fresh and decaying vegetation in shallow water.
Redhead	Closely Associated	Feeds and Breeds	High	None noted.
Red-necked Grebe	Closely Associated	Feeds and Breeds	High	Nests placed on a floating platform of fresh and decaying vegetation in shallow water.
Red-winged Blackbird	Closely Associated	Feeds and Breeds	High	None noted.
Ross's Goose	Closely Associated	Feeds	High	None noted.
Ruddy Duck	Closely Associated	Feeds and Breeds	High	None noted.
Sandhill Crane	Closely Associated	Feeds and Breeds	High	None noted.
Short-eared Owl	Closely Associated	Feeds and Breeds	Moderate	None noted.
Snow Goose	Closely Associated	Feeds	High	None noted.
Snowy Egret	Closely Associated	Feeds	High	Requires tall shrubs or trees for nesting.
Solitary Sandpiper	Closely Associated	Feeds	Moderate	None noted.
Sora	Closely Associated	Feeds and Breeds	High	None noted.
Swamp Sparrow	Closely Associated	Feeds	High	None noted.
Tree Swallow	Closely Associated	Feeds	Moderate	Requires snags not far from open water for nesting.
Tricolored Blackbird	Closely Associated	Feeds and Breeds	High	None noted.
Trumpeter Swan	Closely Associated	Feeds and Breeds	High	None noted.
Tundra Swan	Closely Associated	Feeds	High	None noted.
Virginia Rail	Closely Associated	Feeds and Breeds	High	None noted.

Birds Associated with Herbaceous Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Western Grebe	Closely Associated	Feeds and Breeds	High	Nests placed on a floating platform of fresh and decaying vegetation in shallow water.
Western Sandpiper	Closely Associated	Feeds	Moderate	None noted.
White-faced Ibis	Closely Associated	Feeds and Breeds	High	None noted.
Willet	Closely Associated	Feeds and Breeds	High	None noted.
Wilson's Phalarope	Closely Associated	Feeds and Breeds	High	None noted.
Yellow Rail	Closely Associated	Feeds and Breeds	High	None noted.
Yellow-headed Blackbird	Closely Associated	Feeds and Breeds	High	None noted.
American Goldfinch	Generally Associated	Feeds	High	None noted.
American Kestrel	Generally Associated	Feeds	High	None noted.
American Robin	Generally Associated	Feeds	High	None noted.
American White Pelican	Generally Associated	Feeds	High	Feeds in open water areas of wetlands.
Bald Eagle	Generally Associated	Feeds	High	None noted.
Bank Swallow	Generally Associated	Feeds	High	Requires burrows in dirt banks, usually next to water, for nesting.
Barn Owl	Generally Associated	Feeds	High	None noted.
Barrow's Goldeneye	Generally Associated	Feeds	Moderate	Nests in tree cavities near ponds or lakes.
Black-chinned Hummingbird	Generally Associated	Feeds	Low	None noted.
Bobolink	Generally Associated	Feeds and Breeds	Moderate	None noted.
Brewer's Blackbird	Generally Associated	Feeds and Breeds	Moderate	None noted.
Brown-headed Cowbird	Generally Associated	Feeds and Breeds	High	None noted.
Burrowing Owl	Generally Associated	Feeds	High	None noted.
California Gull	Generally Associated	Feeds and Breeds	Moderate	None noted.
Cliff Swallow	Generally Associated	Feeds	High	Can nest anywhere rimrock, overhanging cliffs, buildings or bridges occur in close proximity to water.

Birds Associated with Herbaceous Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Common Nighthawk	Generally Associated	Feeds	Moderate	None noted.
Common Raven	Generally Associated	Feeds	High	None noted.
Cooper's Hawk	Generally Associated	Feeds	High	None noted.
Double-crested Cormorant	Generally Associated	Reproduces	High	None noted.
Eastern Kingbird	Generally Associated	Feeds	Moderate	None noted.
Eurasian Wigeon	Generally Associated	Feeds	High	None noted.
European Starling	Generally Associated	Feeds	Moderate	Requires snags or trees with cavities or buildings with crevices for nesting. Most likely to use this habitat where adjacent to agriculture or urban habitats.
Glaucous Gull	Generally Associated	Feeds	Low	None noted.
Golden-crowned Sparrow	Generally Associated	Feeds	Moderate	None noted.
Great Gray Owl	Generally Associated	Feeds	High	None noted.
Great Horned Owl	Generally Associated	Feeds	High	None noted.
Gyr Falcon	Generally Associated	Feeds	Moderate	None noted.
Herring Gull	Generally Associated	Feeds	High	None noted.
Hooded Merganser	Generally Associated	Feeds	High	Nests in tree cavities near ponds or lakes.
Killdeer	Generally Associated	Feeds and Breeds	Moderate	None noted.
Long-billed Curlew	Generally Associated	Feeds	Moderate	None noted.
Long-eared Owl	Generally Associated	Feeds	Moderate	None noted.
Northern Goshawk	Generally Associated	Feeds	Moderate	None noted.
Northern Harrier	Generally Associated	Feeds and Breeds	High	None noted.
Palm Warbler	Generally Associated	Feeds	Low	Only along the coast.
Peregrine Falcon	Generally Associated	Feeds	High	None noted.

Birds Associated with Herbaceous Wetlands

Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Purple Martin	Generally Associated	Feeds	Low	None noted.
Red-tailed Hawk	Generally Associated	Feeds	High	None noted.
Ring-billed Gull	Generally Associated	Feeds and Breeds	Moderate	None noted.
Ring-necked Duck	Generally Associated	Feeds and Breeds	High	None noted.
Ring-necked Pheasant	Generally Associated	Feeds	High	None noted.
Rough-legged Hawk	Generally Associated	Feeds	Moderate	None noted.
Savannah Sparrow	Generally Associated	Feeds and Breeds	High	None noted.
Sharp-shinned Hawk	Generally Associated	Feeds	High	None noted.
Song Sparrow	Generally Associated	Feeds and Breeds	High	None noted.
Spotted Sandpiper	Generally Associated	Feeds and Breeds	Moderate	None noted.
Swainson's Hawk	Generally Associated	Feeds	Moderate	None noted.
Thayer's Gull	Generally Associated	Feeds	Moderate	None noted.
Turkey Vulture	Generally Associated	Feeds	High	None noted.
Upland Sandpiper	Generally Associated	Feeds and Breeds	High	Has been found at Sycan Marsh, Lake County, Oregon.
Vaux's Swift	Generally Associated	Feeds	Low	None noted.
Violet-green Swallow	Generally Associated	Feeds	Moderate	None noted.
White-crowned Sparrow	Generally Associated	Feeds	Moderate	None noted.
White-throated Swift	Generally Associated	Feeds	Low	Could forage over herbaceous wetlands incidently, such as those found in desert playas.
American Crow	Present	Feeds	High	None noted.
American Dipper	Present	Feeds	Moderate	None noted.
American Pipit	Present	Feeds	Moderate	Winter only.
Bewick's Wren	Present	Feeds	Low	None noted.
Black Swift	Present	Feeds	Low	Black swifts are long-distance foragers that may travel many miles from breeding sites and take advantage of flying insects caught in updrafts over just about any habitat.

Birds Associated with Herbaceous Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Black-billed Magpie	Present	Feeds	High	None noted.
Black-capped Chickadee	Present	Feeds	Moderate	None noted.
Calliope Hummingbird	Present	Feeds	Low	None noted.
Cedar Waxwing	Present	Feeds	Moderate	None noted.
Common Goldeneye	Present	Feeds	Moderate	Nests in tree cavities near ponds or lakes.
Golden Eagle	Present	Feeds	High	None noted.
House Finch	Present	Feeds	Moderate	Uses this habitat where it is not too far from urban or agricultural areas.
Lapland Longspur	Present	Feeds	Low	None noted.
Loggerhead Shrike	Present	Feeds	Moderate	None noted.
Merlin	Present	Feeds	Low	None noted.
Northern Pygmy-owl	Present	Feeds	High	None noted.
Northern Shrike	Present	Feeds	High	None noted.
Pine Siskin	Present	Feeds	Low	None noted.
Ruby-crowned Kinglet	Present	Feeds	High	Winter only.
Rufous Hummingbird	Present	Feeds	Moderate	None noted.
Snowy Owl	Present	Feeds	Moderate	None noted.
Western Meadowlark	Present	Feeds	Low	None noted.
Western Screech-owl	Present	Feeds	Moderate	None noted.
Wood Duck	Present	Feeds	Moderate	Nests in tree cavities near ponds or lakes.
Yellow-rumped Warbler	Present	Feeds	Low	None noted.

Mammals Associated with Herbaceous Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
American Beaver	Closely Associated	Feeds and Breeds	High	None noted.
Deer Mouse	Closely Associated	Feeds and Breeds	High	None noted.
Long-tailed Vole	Closely Associated	Feeds and Breeds	High	None noted.
Meadow Vole	Closely Associated	Feeds and Breeds	Low	None noted.
Mink	Closely Associated	Feeds	Moderate	None noted.
Montane Vole	Closely Associated	Feeds and Breeds	High	None noted.
Moose	Closely Associated	Feeds	High	None noted.
Muskrat	Closely Associated	Feeds and Breeds	Moderate	None noted.
Northern Bog Lemming	Closely Associated	Feeds and Breeds	Moderate	Cold, wet bogs above 5000 feet.

Mammals Associated with Herbaceous Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Northern River Otter	Closely Associated	Feeds and Breeds	High	None noted.
Nutria	Closely Associated	Feeds and Breeds	Moderate	None noted.
Pallid Bat	Closely Associated	Feeds	High	None noted.
Raccoon	Closely Associated	Feeds	Moderate	None noted.
Townsend's Vole	Closely Associated	Feeds and Breeds	High	None noted.
Western Harvest Mouse	Closely Associated	Feeds and Breeds	High	None noted.
Yuma Myotis	Closely Associated	Feeds	High	None noted.
Big Brown Bat	Generally Associated	Feeds	Moderate	None noted.
Black Bear	Generally Associated	Feeds	High	None noted.
Black-tailed Deer	Generally Associated	Feeds	High	None noted.
Bobcat	Generally Associated	Feeds	Moderate	None noted.
Brazilian Free-tailed Bat	Generally Associated	Feeds	High	None noted.
California Myotis	Generally Associated	Feeds	High	None noted.
Columbian White-tailed Deer	Generally Associated	Feeds	High	None noted.
Coyote	Generally Associated	Feeds	High	None noted.
Feral Pig	Generally Associated	Feeds and Breeds	Moderate	Eastern Oregon wet meadows.
Fringed Myotis	Generally Associated	Feeds	Low	None noted.
Hoary Bat	Generally Associated	Feeds	Low	None noted.
Keen's Myotis	Generally Associated	Feeds	Low	None noted.
Little Brown Myotis	Generally Associated	Feeds	High	None noted.
Long-eared Myotis	Generally Associated	Feeds	Moderate	None noted.
Long-legged Myotis	Generally Associated	Feeds	Moderate	None noted.
Long-tailed Weasel	Generally Associated	Feeds	Moderate	None noted.
Mountain Caribou	Generally Associated	Feeds	Moderate	None noted.

Mammals Associated with Herbaceous Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Mountain Lion	Generally Associated	Feeds	High	None noted.
Mule Deer	Generally Associated	Feeds	High	None noted.
Pacific Jumping Mouse	Generally Associated	Feeds and Breeds	Moderate	None noted.
Pacific Water Shrew	Generally Associated	Feeds and Breeds	Moderate	Closely tied to water.
Rocky Mountain Elk	Generally Associated	Feeds	High	None noted.
Roosevelt Elk	Generally Associated	Feeds	High	None noted.
Shrew-mole	Generally Associated	Feeds and Breeds	High	None noted.
Silver-haired Bat	Generally Associated	Feeds	Low	None noted.
Spotted Bat	Generally Associated	Feeds	Moderate	None noted.
Striped Skunk	Generally Associated	Feeds	Moderate	None noted.
Townsend's Big-eared Bat	Generally Associated	Feeds	Low	None noted.
Townsend's Mole	Generally Associated	Feeds and Breeds	High	None noted.
Vagrant Shrew	Generally Associated	Feeds and Breeds	Moderate	None noted.
Western Jumping Mouse	Generally Associated	Feeds and Breeds	Low	None noted.
Western Small-footed Myotis	Generally Associated	Feeds	Low	None noted.
White-tailed Deer (Eastside)	Generally Associated	Feeds	High	None noted.
Yellow-bellied Marmot	Generally Associated	Feeds	Low	Requires talus slopes, lava fields, rimrock, or boulder fields in close proximity to grassy openings or meadows.
Common Porcupine	Present	Feeds	Moderate	Needs large shrubs for food.
Feral Horse	Present	Feeds	Low	None noted.
Grizzly Bear	Present	Feeds	Low	None noted.
Preble's Shrew	Present	Feeds and Breeds	Low	None noted.
Wild Burro	Present	Feeds	Low	In southeastern Oregon, this habitat is mostly unavailable due to the fact that they are situated primarily on private lands and are fenced.

Reptiles Associated with Herbaceous Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Common Garter Snake	Closely Associated	Feeds and Breeds	High	None noted.
Pacific Coast Aquatic Garter Snake	Present	Feeds and Breeds	Moderate	Uses this habitat where near marshes, streams, rivers, ponds or lakes.
Painted Turtle	Closely Associated	Feeds	Moderate	None noted.
Red-eared Slider Turtle	Closely Associated	Feeds	High	None noted.
Snapping Turtle	Closely Associated	Feeds	Moderate	None noted.
Western Pond Turtle	Closely Associated	Feeds	High	None noted.
Western Terrestrial Garter Snake	Generally Associated	Feeds	High	None noted.

Wildlife Species Found in Westside Riparian - Wetlands

Amphibians Associated with Westside Riparian - Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Bullfrog	Closely Associated	Feeds and Breeds	High	Requires warm-water ponds, marshes, or river/stream backwaters for breeding.
Cascade Torrent Salamander	Closely Associated	Feeds and Breeds	High	Requires very cold, clear seeps, springs, and small streams for breeding.
Columbia Torrent Salamander	Closely Associated	Feeds and Breeds	High	Requires very cold, clear seeps, springs, and small streams for breeding.
Cope's Giant Salamander	Closely Associated	Feeds and Breeds	Moderate	Requires clear, cold steep-gradient streams with a streambed of gravel, boulders and large logs for breeding.
Long-toed Salamander	Closely Associated	Feeds and Breeds	High	Rare or absent where predatory fish are occur. Requires ponds, shallow lake edges, seasonal pools (like elk wallows) or slow streams for breeding.
Northwestern Salamander	Closely Associated	Feeds and Breeds	High	Requires ponds or stream backwaters for breeding.
Olympic Torrent Salamander	Closely Associated	Feeds and Breeds	High	Requires very cold, clear seeps, springs, and small streams for breeding.
Oregon Spotted Frog	Closely Associated	Feeds and Breeds	High	Rare or absent where predatory fish or bullfrogs occur. Requires shallow water in wet meadows or stream/pond edges with abundant aquatic vegetation for breeding.
Pacific Chorus (Tree) Frog	Closely Associated	Feeds and Breeds	High	Requires ponds, seasonal pools, temporary rain-filled depressions or slow streams for breeding.
Pacific Giant Salamander	Closely Associated	Feeds and Breeds	Moderate	Requires small to mid-sized streams with a streambed of gravel, boulders and large logs for breeding.
Red-legged Frog	Closely Associated	Feeds and Breeds	High	Requires cool-water ponds, lake edges or slow streams for breeding.
Rough-skinned Newt	Closely Associated	Feeds and Breeds	High	Requires ponds or stream backwaters with abundant aquatic vegetation for breeding.
Southern Torrent Salamander	Closely Associated	Feeds and Breeds	High	Requires very cold, clear seeps, springs, and small streams for breeding.
Tailed Frog	Closely Associated	Feeds and Breeds	Moderate	Requires clear, cold steep-gradient streams for breeding.

Amphibians Associated with Westside Riparian - Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Western Toad	Closely Associated	Feeds and Breeds	High	None noted.
Black Salamander	Generally Associated	Feeds and Breeds	Low	Requires logs, woody debris, or moist talus with woody debris.
California Slender Salamander	Generally Associated	Feeds and Breeds	Moderate	Requires logs.
Cascades Frog	Generally Associated	Feeds and Breeds	Moderate	Requires bogs or ponds with cold springs for breeding.
Dunn's Salamander	Generally Associated	Feeds and Breeds	Moderate	Requires moist or wet rock outcrops, talus, gravel, boulders, or rock crevices
Ensatina	Generally Associated	Feeds and Breeds	High	Requires logs, woody debris, or moist talus with woody debris.
Foothill Yellow-legged Frog	Generally Associated	Feeds and Breeds	High	Requires still-water or gentle gradient portions of streams for breeding.
Oregon Slender Salamander	Generally Associated	Feeds and Breeds	Moderate	Requires large logs, woody debris, or moist talus with woody debris.
Van Dyke's Salamander	Generally Associated	Feeds and Breeds	Moderate	Requires moist talus, rock outcrops, logs, seeps, or woody debris and rocks along streams.
Western Red-backed Salamander	Generally Associated	Feeds and Breeds	High	Requires moist or shaded talus, rocks, or large logs. Occasionally uses springs or stream edges.

Birds Associated with Westside Riparian - Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
American Black Duck	Closely Associated	Feeds and Breeds	Low	None noted.
American Dipper	Closely Associated	Feeds and Breeds	High	None noted.
Band-tailed Pigeon	Closely Associated	Feeds and Breeds	Moderate	None noted.
Barn Swallow	Closely Associated	Feeds and Breeds	High	Can nest anywhere buildings, bridges, or overhanging cliffs occur in close proximity to water.
Belted Kingfisher	Closely Associated	Feeds and Breeds	High	None noted.
Black Phoebe	Closely Associated	Feeds and Breeds	Moderate	None noted.
Black-throated Gray Warbler	Closely Associated	Feeds and Breeds	High	None noted.

Birds Associated with Westside Riparian - Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Bullock's Oriole	Closely Associated	Feeds and Breeds	Moderate	None noted.
Cliff Swallow	Closely Associated	Feeds and Breeds	High	Can nest anywhere rimrock, overhanging cliffs, buildings or bridges occur in close proximity to water.
Common Merganser	Closely Associated	Feeds and Breeds	High	Nests in tree cavities near large lakes or rivers.
Common Yellowthroat	Closely Associated	Feeds and Breeds	High	None noted.
Downy Woodpecker	Closely Associated	Feeds and Breeds	Moderate	None noted.
European Starling	Closely Associated	Feeds and Breeds	High	Requires snags or trees with cavities or buildings with crevices for nesting. Most likely to use this habitat where adjacent to agriculture or urban habitats.
Great Blue Heron	Closely Associated	Feeds and Breeds	High	None noted.
Green Heron	Closely Associated	Feeds and Breeds	High	None noted.
Harlequin Duck	Closely Associated	Feeds and Breeds	High	None noted.
Hooded Merganser	Closely Associated	Feeds and Breeds	High	Nests in tree cavities.
Lesser Goldfinch	Closely Associated	Feeds and Breeds	Moderate	None noted.
Lincoln's Sparrow	Closely Associated	Feeds and Breeds	High	None noted.
Mallard	Closely Associated	Feeds and Breeds	High	None noted.
Mourning Dove	Closely Associated	Feeds and Breeds	High	None noted.
Northern Rough-winged Swallow	Closely Associated	Feeds and Breeds	High	Requires burrows in dirt banks, usually next to water, for nesting.
Northern Waterthrush	Closely Associated	Feeds and Breeds	High	None noted.
Purple Finch	Closely Associated	Feeds and Breeds	Moderate	None noted.
Red-eyed Vireo	Closely Associated	Feeds and Breeds	Moderate	Range of red-eyed vireo overlaps that of large black cottonwood groves.

Birds Associated with Westside Riparian - Wetlands

Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Ring-necked Duck	Closely Associated	Feeds and Breeds	Moderate	None noted.
Ruffed Grouse	Closely Associated	Feeds and Breeds	High	None noted.
Solitary Sandpiper	Closely Associated	Feeds	High	None noted.
Spotted Sandpiper	Closely Associated	Feeds and Breeds	Moderate	None noted.
Swamp Sparrow	Closely Associated	Feeds	High	None noted.
Tree Swallow	Closely Associated	Feeds and Breeds	Moderate	Requires snags not far from open water for nesting.
Warbling Vireo	Closely Associated	Feeds and Breeds	High	None noted.
Western Screech-owl	Closely Associated	Feeds and Breeds	High	None noted.
Willow Flycatcher	Closely Associated	Feeds and Breeds	Moderate	None noted.
Wilson's Warbler	Closely Associated	Feeds and Breeds	High	None noted.
Wood Duck	Closely Associated	Feeds and Breeds	High	Nests in tree cavities.
Yellow Warbler	Closely Associated	Feeds and Breeds	High	None noted.
Yellow-breasted Chat	Closely Associated	Feeds and Breeds	Moderate	None noted.
Allen's Hummingbird	Generally Associated	Feeds and Breeds	Low	None noted.
American Crow	Generally Associated	Feeds and Breeds	High	None noted.
American Goldfinch	Generally Associated	Feeds and Breeds	High	None noted.
American Kestrel	Generally Associated	Feeds and Breeds	High	None noted.
American Robin	Generally Associated	Feeds and Breeds	High	None noted.
American Wigeon	Generally Associated	Feeds	High	None noted.
Bald Eagle	Generally Associated	Feeds and Breeds	High	None noted.
Barn Owl	Generally Associated	Feeds and Breeds	High	Requires cliffs, caves, rimrock, or tree cavities for nesting.

Birds Associated with Westside Riparian - Wetlands

Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Barred Owl	Generally Associated	Feeds and Breeds	Moderate	None noted.
Bewick's Wren	Generally Associated	Feeds and Breeds	Moderate	None noted.
Black Swift	Generally Associated	Feeds and Breeds	Low	Requires suitable cliffs behind waterfalls for breeding.
Black-capped Chickadee	Generally Associated	Feeds and Breeds	Moderate	None noted.
Black-crowned Night-heron	Generally Associated	Feeds	High	Only one and maybe two known breeding sites exist west of the Cascades, though historically a large breeding colony occurred near Portland.
Black-headed Grosbeak	Generally Associated	Feeds and Breeds	High	None noted.
Brewer's Blackbird	Generally Associated	Feeds and Breeds	Moderate	None noted.
Brown Creeper	Generally Associated	Feeds and Breeds	Moderate	None noted.
Brown-headed Cowbird	Generally Associated	Feeds and Breeds	High	None noted.
Bufflehead	Generally Associated	Feeds and Breeds	High	Nests in tree cavities.
Bushtit	Generally Associated	Feeds and Breeds	Moderate	None noted.
California Quail	Generally Associated	Feeds and Breeds	High	Uses this habitat where adjacent to more open habitats.
Cedar Waxwing	Generally Associated	Feeds and Breeds	High	None noted.
Chestnut-backed Chickadee	Generally Associated	Feeds and Breeds	Moderate	None noted.
Common Nighthawk	Generally Associated	Feeds	Moderate	None noted.
Common Raven	Generally Associated	Feeds and Breeds	High	None noted.
Cooper's Hawk	Generally Associated	Feeds and Breeds	High	None noted.
Dark-eyed Junco	Generally Associated	Feeds and Breeds	High	None noted.
Evening Grosbeak	Generally Associated	Feeds and Breeds	Moderate	None noted.

Birds Associated with Westside Riparian - Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Fox Sparrow	Generally Associated	Feeds	High	Winter only.
Golden-crowned Kinglet	Generally Associated	Feeds and Breeds	High	None noted.
Golden-crowned Sparrow	Generally Associated	Feeds	Moderate	None noted.
Gray Jay	Generally Associated	Feeds and Breeds	Moderate	None noted.
Great Egret	Generally Associated	Feeds and Breeds	Moderate	None noted.
Great Horned Owl	Generally Associated	Feeds and Breeds	High	None noted.
Greater Yellowlegs	Generally Associated	Feeds	Low	None noted.
Green-winged Teal	Generally Associated	Feeds	High	None noted.
Hairy Woodpecker	Generally Associated	Feeds and Breeds	Moderate	None noted.
Hermit Thrush	Generally Associated	Feeds	High	None noted.
Hermit Warbler	Generally Associated	Feeds and Breeds	Moderate	None noted.
House Wren	Generally Associated	Feeds and Breeds	Moderate	None noted.
Hutton's Vireo	Generally Associated	Feeds and Breeds	High	None noted.
Killdeer	Generally Associated	Feeds and Breeds	Moderate	None noted.
Lazuli Bunting	Generally Associated	Feeds and Breeds	Moderate	None noted.
Least Flycatcher	Generally Associated	Feeds and Breeds	Low	Found nesting near Monroe, Snohomish County, Washington.
Lesser Yellowlegs	Generally Associated	Feeds	Low	None noted.
Macgillivray's Warbler	Generally Associated	Feeds and Breeds	High	None noted.
Merlin	Generally Associated	Feeds and Breeds	Moderate	None noted.
Mountain Quail	Generally Associated	Feeds and Breeds	Moderate	None noted.

Birds Associated with Westside Riparian - Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Nashville Warbler	Generally Associated	Feeds and Breeds	Moderate	None noted.
Northern Flicker	Generally Associated	Feeds and Breeds	Moderate	None noted.
Northern Goshawk	Generally Associated	Feeds	Moderate	None noted.
Northern Pygmy-owl	Generally Associated	Feeds and Breeds	High	None noted.
Olive-sided Flycatcher	Generally Associated	Feeds and Breeds	Moderate	None noted.
Orange-crowned Warbler	Generally Associated	Feeds and Breeds	High	None noted.
Osprey	Generally Associated	Feeds and Breeds	High	None noted.
Pacific-slope Flycatcher	Generally Associated	Feeds and Breeds	Moderate	None noted.
Palm Warbler	Generally Associated	Feeds	Moderate	Only along the coast.
Peregrine Falcon	Generally Associated	Feeds	High	None noted.
Pied-billed Grebe	Generally Associated	Feeds and Breeds	High	Uncertain about the frequency of breeding in this type of habitat.
Pileated Woodpecker	Generally Associated	Feeds and Breeds	Moderate	None noted.
Pine Siskin	Generally Associated	Feeds and Breeds	Moderate	None noted.
Purple Martin	Generally Associated	Feeds and Breeds	Low	None noted.
Red-breasted Nuthatch	Generally Associated	Feeds and Breeds	Moderate	None noted.
Red-breasted Sapsucker	Generally Associated	Feeds and Breeds	Moderate	None noted.
Red-shouldered Hawk	Generally Associated	Feeds and Breeds	Low	None noted.
Red-tailed Hawk	Generally Associated	Feeds and Breeds	High	None noted.
Red-winged Blackbird	Generally Associated	Feeds and Breeds	Low	None noted.
Ring-necked Pheasant	Generally Associated	Feeds and Breeds	High	None noted.
Ruby-crowned Kinglet	Generally Associated	Feeds	High	Winter only.

Birds Associated with Westside Riparian - Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Rufous Hummingbird	Generally Associated	Feeds and Breeds	Moderate	None noted.
Savannah Sparrow	Generally Associated	Feeds and Breeds	Moderate	None noted.
Song Sparrow	Generally Associated	Feeds and Breeds	High	None noted.
Spotted Towhee	Generally Associated	Feeds and Breeds	Moderate	None noted.
Steller's Jay	Generally Associated	Feeds and Breeds	Moderate	None noted.
Swainson's Thrush	Generally Associated	Feeds and Breeds	High	None noted.
Townsend's Warbler	Generally Associated	Feeds and Breeds	High	None noted.
Turkey Vulture	Generally Associated	Feeds and Breeds	High	Requires rocky outcrops, small caves, boulder piles, ledges on high cliffs or large hollow logs for nesting.
Vaux's Swift	Generally Associated	Feeds and Breeds	Moderate	None noted.
Violet-green Swallow	Generally Associated	Feeds and Breeds	Moderate	None noted.
Western Tanager	Generally Associated	Feeds and Breeds	Moderate	None noted.
Western Wood-pewee	Generally Associated	Feeds and Breeds	Moderate	None noted.
White-breasted Nuthatch	Generally Associated	Feeds and Breeds	Moderate	None noted.
White-crowned Sparrow	Generally Associated	Feeds and Breeds	Moderate	None noted.
Wild Turkey	Generally Associated	Feeds	Moderate	Low elevation sites only; likely uses this habitat more for cover than feeding.
Winter Wren	Generally Associated	Feeds and Breeds	Moderate	None noted.
Yellow-rumped Warbler	Generally Associated	Feeds	Moderate	None noted.
American Redstart	Present	Feeds and Breeds	Low	None noted.
American Tree Sparrow	Present	Feeds	Moderate	None noted.
Anna's Hummingbird	Present	Feeds and Breeds	Low	None noted.

Birds Associated with Westside Riparian - Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Ash-throated Flycatcher	Present	Feeds and Breeds	Low	Requires an oak component.
Blue Grouse	Present	Feeds and Breeds	Moderate	None noted.
Bohemian Waxwing	Present	Feeds	Moderate	Occurs in Westside habitats only during irruption years.
Canada Goose	Present	Feeds and Breeds	Moderate	None noted.
Chipping Sparrow	Present	Feeds	Low	None noted.
Common Redpoll	Present	Feeds	Moderate	Only in Skagit and Whatcom counties, Washington.
Double-crested Cormorant	Present	Feeds and Breeds	High	None noted.
House Finch	Present	Feeds and Breeds	Moderate	Uses this habitat where it is not too far from urban or agricultural areas.
Lewis's Woodpecker	Present	Feeds	Moderate	May use as wintering habitat in Oregon; historically occurred in this habitat in western Washington.
Northern Harrier	Present	Feeds and Breeds	High	None noted.
Northern Saw-whet Owl	Present	Feeds and Breeds	Moderate	None noted.
Red Crossbill	Present	Feeds and Breeds	Moderate	None noted.
Rough-legged Hawk	Present	Feeds	High	None noted.
Snowy Egret	Present	Feeds	Moderate	None noted.
Townsend's Solitaire	Present	Feeds	Moderate	None noted.
Veery	Present	Feeds and Breeds	High	None noted.
Western Scrub-Jay	Present	Feeds and Breeds	Moderate	None noted.
White-tailed Kite	Present	Feeds and Breeds	Moderate	None noted.
White-winged Crossbill	Present	Feeds	Low	None noted.

Mammals Associated with Westside Riparian - Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
American Beaver	Closely Associated	Feeds and Breeds	High	None noted.
Deer Mouse	Closely Associated	Feeds and Breeds	High	None noted.
Dusky-footed Woodrat	Closely Associated	Feeds and Breeds	Moderate	None noted.
Fisher	Closely Associated	Feeds and Breeds	Moderate	None noted.
Fog Shrew	Closely Associated	Feeds and Breeds	High	None noted.
Long-tailed Vole	Closely Associated	Feeds and Breeds	High	None noted.
Mink	Closely Associated	Feeds and Breeds	Moderate	None noted.
Mountain Beaver	Closely Associated	Feeds and Breeds	High	None noted.
Muskrat	Closely Associated	Feeds and Breeds	Moderate	None noted.
Northern River Otter	Closely Associated	Feeds and Breeds	High	None noted.
Nutria	Closely Associated	Feeds and Breeds	Moderate	None noted.
Pacific Jumping Mouse	Closely Associated	Feeds and Breeds	High	None noted.
Pacific Shrew	Closely Associated	Feeds and Breeds	High	None noted.
Pacific Water Shrew	Closely Associated	Feeds and Breeds	High	Closely tied to water.
Raccoon	Closely Associated	Feeds and Breeds	Moderate	None noted.
Southern Red-backed Vole	Closely Associated	Feeds and Breeds	High	None noted.
Water Shrew	Closely Associated	Feeds and Breeds	High	Lead a semi-aquatic life and require cold, clear water in small streams or ponds with abundant cover in the form of rocks, overhanging banks, etc.
Water Vole	Closely Associated	Feeds and Breeds	Low	None noted.
White-footed Vole	Closely Associated	Feeds and Breeds	Moderate	None noted.

Mammals Associated with Westside Riparian - Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Yuma Myotis	Closely Associated	Feeds and Breeds	High	More closely associated with water than other bat species. Uses caves, mines, loose bark and bark crevices typically close to water.
Big Brown Bat	Generally Associated	Feeds and Breeds	Moderate	Requires snags, caves, mines, rock crevices, or bridges for breeding and roosting.
Black Bear	Generally Associated	Feeds and Breeds	High	None noted.
Black-tailed Deer	Generally Associated	Feeds and Breeds	High	None noted.
Bobcat	Generally Associated	Feeds and Breeds	Moderate	None noted.
Broad-footed Mole	Generally Associated	Feeds and Breeds	Moderate	None noted.
Brush Rabbit	Generally Associated	Feeds and Breeds	Moderate	None noted.
California Myotis	Generally Associated	Feeds and Breeds	High	Uses rock crevices, hollow trees, mines or caves for breeding.
Coast Mole	Generally Associated	Feeds and Breeds	Moderate	None noted.
Columbian Mouse	Generally Associated	Feeds and Breeds	High	None noted.
Columbian White-tailed Deer	Generally Associated	Feeds and Breeds	High	None noted.
Common Porcupine	Generally Associated	Feeds and Breeds	Moderate	None noted.
Coyote	Generally Associated	Feeds and Breeds	High	None noted.
Creeping Vole	Generally Associated	Feeds and Breeds	High	None noted.
Eastern Cottontail	Generally Associated	Feeds and Breeds	Low	Likely uses this habitat where adjacent to urban or agricultural habitats.
Ermine	Generally Associated	Feeds and Breeds	Low	None noted.
Fringed Myotis	Generally Associated	Feeds and Breeds	Low	Requires caves, mines or rock crevices.
Gray Fox	Generally Associated	Feeds and Breeds	Low	None noted.
Hoary Bat	Generally Associated	Feeds	Low	Requires trees for roosting, but forages in openings and at edges of forests.

Mammals Associated with Westside Riparian - Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Keen's Myotis	Generally Associated	Feeds and Breeds	Low	Little studied; hard to distinguish from long-eared myotis. Likely requires tree cavities for breeding, caves for hibernacula.
Little Brown Myotis	Generally Associated	Feeds and Breeds	High	Uses caves, mines, or hollow trees, often near water.
Long-eared Myotis	Generally Associated	Feeds and Breeds	Moderate	Uses caves, mines, hollow trees, loose bark or rock crevices.
Long-legged Myotis	Generally Associated	Feeds and Breeds	Moderate	Uses caves or mines as hibernacula. Uses hollow trees, loose bark or rock crevices for maternity colonies.
Long-tailed Weasel	Generally Associated	Feeds and Breeds	Moderate	None noted.
Mountain Lion	Generally Associated	Feeds and Breeds	High	None noted.
Northern Flying Squirrel	Generally Associated	Feeds and Breeds	High	None noted.
Pallid Bat	Generally Associated	Feeds	Low	None noted.
Red Fox	Generally Associated	Feeds and Breeds	Low	Non-native Red fox.
Rocky Mountain Elk	Generally Associated	Feeds and Breeds	High	None noted.
Roosevelt Elk	Generally Associated	Feeds and Breeds	High	None noted.
Shrew-mole	Generally Associated	Feeds and Breeds	High	None noted.
Silver-haired Bat	Generally Associated	Feeds	Low	None noted.
Snowshoe Hare	Generally Associated	Feeds and Breeds	High	None noted.
Striped Skunk	Generally Associated	Feeds and Breeds	Moderate	None noted.
Townsend's Big-eared Bat	Generally Associated	Feeds	Moderate	None noted.
Townsend's Chipmunk	Generally Associated	Feeds and Breeds	High	None noted.
Townsend's Mole	Generally Associated	Feeds and Breeds	High	None noted.
Townsend's Vole	Generally Associated	Feeds and Breeds	High	None noted.

Mammals Associated with Westside Riparian - Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Trowbridge's Shrew	Generally Associated	Feeds and Breeds	High	None noted.
Virginia Opossum	Generally Associated	Feeds and Breeds	Low	None noted.
Western Red-backed Vole	Generally Associated	Feeds and Breeds	High	None noted.
Western Spotted Skunk	Generally Associated	Feeds and Breeds	Low	None noted.
American Marten	Present	Feeds and Breeds	Moderate	None noted.
Brazilian Free-tailed Bat	Present	Feeds	Moderate	None noted.
Bushy-tailed Woodrat	Present	Feeds and Breeds	Moderate	None noted.
Heather Vole	Present	Feeds and Breeds	Moderate	None noted.
Masked Shrew	Present	Feeds and Breeds	Moderate	None noted.
Montane Shrew	Present	Feeds and Breeds	Moderate	None noted.
Red Tree Vole	Present	Feeds and Breeds	Moderate	None noted.
Vagrant Shrew	Present	Feeds and Breeds	Moderate	None noted.

Reptiles Associated with Westside Riparian - Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Common Garter Snake	Closely Associated	Feeds and Breeds	High	None noted.
Western Pond Turtle	Closely Associated	Feeds and Breeds	High	None noted.
Northern Alligator Lizard	Generally Associated	Feeds and Breeds	High	None noted.
Northwestern Garter Snake	Generally Associated	Feeds and Breeds	High	None noted.
Pacific Coast Aquatic Garter Snake	Generally Associated	Feeds and Breeds	High	None noted.
Painted Turtle	Generally Associated	Feeds and Breeds	Moderate	None noted.
Red-eared Slider Turtle	Generally Associated	Feeds and Breeds	Moderate	None noted.

Reptiles Associated with Westside Riparian - Wetlands

Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Rubber Boa	Generally Associated	Feeds and Breeds	High	Usually does not occur far from water.
Sharptail Snake	Generally Associated	Feeds and Breeds	Moderate	None noted.
Snapping Turtle	Generally Associated	Feeds and Breeds	Moderate	Avoids flowing water that lacks vegetation.
Western Rattlesnake	Generally Associated	Feeds and Breeds	High	None noted.
Western Terrestrial Garter Snake	Generally Associated	Feeds and Breeds	High	None noted.
California Mountain Kingsnake	Present	Feeds and Breeds	Moderate	None noted.
Common Kingsnake	Present	Feeds and Breeds	Low	None noted.
Ringneck Snake	Present	Feeds and Breeds	Moderate	None noted.
Southern Alligator Lizard	Present	Feeds and Breeds	Moderate	None noted.

Wildlife Species Found in Montane Coniferous Wetlands

Amphibians Associated with Montane Coniferous Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Long-toed Salamander	Closely Associated	Feeds and Breeds	High	Rare or absent where predatory fish are occur. Requires ponds, shallow lake edges, seasonal pools (like elk wallows) or slow streams for breeding.
Northwestern Salamander	Closely Associated	Feeds and Breeds	High	Requires ponds or stream backwaters for breeding.
Pacific Chorus (Tree) Frog	Closely Associated	Feeds and Breeds	High	Requires ponds, seasonal pools, temporary rain-filled depressions or slow streams for breeding.
Rough-skinned Newt	Closely Associated	Feeds and Breeds	High	Requires ponds or stream backwaters with abundant aquatic vegetation for breeding.
Western Toad	Closely Associated	Feeds and Breeds	High	None noted.
Cascades Frog	Generally Associated	Feeds and Breeds	High	Requires bogs or ponds with cold springs for breeding.
Columbia Spotted Frog	Generally Associated	Feeds and Breeds	Moderate	Rare or absent where predatory fish or bullfrogs occur. Requires shallow water in wet meadows or stream/pond edges with abundant aquatic vegetation for breeding.
Oregon Spotted Frog	Present	Feeds and Breeds	High	Rare or absent where predatory fish or bullfrogs occur. Requires shallow water in wet meadows or stream/pond edges with abundant aquatic vegetation for breeding.
Pacific Giant Salamander	Present	Feeds and Breeds	High	Requires small to mid-sized streams with a streambed of gravel, boulders and large logs for breeding.
Red-legged Frog	Present	Feeds and Breeds	High	Requires cool-water ponds, lake edges or slow streams for breeding.

Birds Associated with Montane Coniferous Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Bufflehead	Closely Associated	Feeds and Breeds	Moderate	Nests in tree cavities.
Evening Grosbeak	Closely Associated	Feeds and Breeds	Moderate	None noted.
American Robin	Generally Associated	Feeds and Breeds	High	None noted.
Barrow's Goldeneye	Generally Associated	Feeds and Breeds	Moderate	Nests in tree cavities.
Black Swift	Generally Associated	Feeds	Low	Black swifts are long-distance foragers that may travel many miles from breeding sites and take advantage of flying insects caught in updrafts over just about any habitat.
Black-backed Woodpecker	Generally Associated	Feeds and Breeds	Moderate	Reach highest densities in recently burned forests or areas of bark beetle infestations.
Blue Grouse	Generally Associated	Feeds and Breeds	Moderate	None noted.
Bohemian Waxwing	Generally Associated	Feeds	Moderate	There are a few confirmed records of breeding. Nesting habitat usually is beaver ponds and bog areas.
Boreal Chickadee	Generally Associated	Feeds and Breeds	Low	None noted.
Brown Creeper	Generally Associated	Feeds and Breeds	Moderate	None noted.
Calliope Hummingbird	Generally Associated	Feeds and Breeds	Moderate	None noted.
Cassin's Finch	Generally Associated	Feeds and Breeds	High	None noted.
Cedar Waxwing	Generally Associated	Feeds and Breeds	Moderate	None noted.
Chestnut-backed Chickadee	Generally Associated	Feeds and Breeds	Moderate	None noted.
Common Nighthawk	Generally Associated	Feeds	Moderate	None noted.
Common Raven	Generally Associated	Feeds and Breeds	High	None noted.
Common Redpoll	Generally Associated	Feeds	Moderate	None noted.
Cooper's Hawk	Generally Associated	Feeds and Breeds	High	None noted.
Dark-eyed Junco	Generally Associated	Feeds and Breeds	High	None noted.

Birds Associated with Montane Coniferous Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Dusky Flycatcher	Generally Associated	Feeds and Breeds	Moderate	None noted.
Golden-crowned Kinglet	Generally Associated	Feeds and Breeds	High	None noted.
Gray Jay	Generally Associated	Feeds and Breeds	High	None noted.
Great Gray Owl	Generally Associated	Feeds and Breeds	High	None noted.
Hairy Woodpecker	Generally Associated	Feeds and Breeds	Moderate	None noted.
Hermit Thrush	Generally Associated	Feeds and Breeds	High	None noted.
Hermit Warbler	Generally Associated	Feeds and Breeds	Moderate	None noted.
Macgillivray's Warbler	Generally Associated	Feeds and Breeds	High	None noted.
Mountain Chickadee	Generally Associated	Feeds and Breeds	Moderate	None noted.
Nashville Warbler	Generally Associated	Feeds and Breeds	Moderate	None noted.
Northern Flicker	Generally Associated	Feeds and Breeds	Moderate	None noted.
Northern Goshawk	Generally Associated	Feeds and Breeds	High	None noted.
Northern Pygmy-owl	Generally Associated	Feeds and Breeds	Low	None noted.
Northern Saw-whet Owl	Generally Associated	Feeds and Breeds	Moderate	None noted.
Olive-sided Flycatcher	Generally Associated	Feeds and Breeds	Moderate	None noted.
Pacific-slope Flycatcher	Generally Associated	Feeds and Breeds	Moderate	None noted.
Peregrine Falcon	Generally Associated	Feeds	High	None noted.
Pileated Woodpecker	Generally Associated	Feeds and Breeds	Moderate	None noted.
Pine Grosbeak	Generally Associated	Feeds and Breeds	Moderate	None noted.
Pine Siskin	Generally Associated	Feeds and Breeds	High	None noted.
Red Crossbill	Generally Associated	Feeds and Breeds	Moderate	None noted.

Birds Associated with Montane Coniferous Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Red-breasted Nuthatch	Generally Associated	Feeds and Breeds	Moderate	None noted.
Red-breasted Sapsucker	Generally Associated	Feeds and Breeds	Moderate	None noted.
Ruby-crowned Kinglet	Generally Associated	Feeds and Breeds	High	None noted.
Ruffed Grouse	Generally Associated	Feeds and Breeds	Moderate	None noted.
Rufous Hummingbird	Generally Associated	Feeds and Breeds	Moderate	None noted.
Song Sparrow	Generally Associated	Feeds and Breeds	Moderate	None noted.
Spruce Grouse	Generally Associated	Feeds and Breeds	High	Uses this habitat where adjacent to lodgepole alpine forest.
Steller's Jay	Generally Associated	Feeds and Breeds	Moderate	None noted.
Swainson's Thrush	Generally Associated	Feeds and Breeds	High	None noted.
Three-toed Woodpecker	Generally Associated	Feeds and Breeds	Moderate	Reach highest densities in recently burned forests or areas of bark beetle infestations.
Townsend's Warbler	Generally Associated	Feeds and Breeds	Moderate	None noted.
Tree Swallow	Generally Associated	Feeds and Breeds	Moderate	Requires snags not far from open water for nesting.
Varied Thrush	Generally Associated	Feeds and Breeds	Moderate	None noted.
Vaux's Swift	Generally Associated	Feeds and Breeds	Moderate	None noted.
Violet-green Swallow	Generally Associated	Feeds and Breeds	Moderate	None noted.
Warbling Vireo	Generally Associated	Feeds and Breeds	Low	None noted.
Western Tanager	Generally Associated	Feeds and Breeds	Moderate	None noted.
Williamson's Sapsucker	Generally Associated	Feeds and Breeds	Low	None noted.
Willow Flycatcher	Generally Associated	Feeds and Breeds	Moderate	None noted.
Wilson's Warbler	Generally Associated	Feeds and Breeds	High	None noted.

Birds Associated with Montane Coniferous Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Winter Wren	Generally Associated	Feeds and Breeds	Moderate	None noted.
Yellow-rumped Warbler	Generally Associated	Feeds and Breeds	Moderate	None noted.
American Crow	Present	Feeds and Breeds	High	None noted.
American Kestrel	Present	Feeds and Breeds	Moderate	None noted.
Barn Swallow	Present	Feeds and Breeds	Moderate	Can nest anywhere buildings, bridges, or overhanging cliffs occur in close proximity to water.
Brown-headed Cowbird	Present	Feeds and Breeds	Moderate	None noted.
Chipping Sparrow	Present	Feeds and Breeds	Low	None noted.
Clark's Nutcracker	Present	Feeds	Low	None noted.
European Starling	Present	Feeds and Breeds	Low	Requires snags or trees with cavities or buildings with crevices for nesting. Most likely to use this habitat where adjacent to agriculture or urban habitats.
Great Horned Owl	Present	Feeds and Breeds	High	None noted.
Merlin	Present	Feeds	Low	None noted.
Mountain Bluebird	Present	Feeds and Breeds	Moderate	None noted.
Northern Rough-winged Swallow	Present	Feeds	Moderate	Requires burrows in dirt banks, usually next to water, for nesting.
Turkey Vulture	Present	Feeds and Breeds	Low	Requires rocky outcrops, small caves, boulder piles, ledges on high cliffs or large hollow logs for nesting.
Western Screech-owl	Present	Feeds and Breeds	Moderate	None noted.
White-winged Crossbill	Present	Feeds and Breeds	Moderate	None noted.
Wood Duck	Present	Feeds and Breeds	Moderate	Nests in tree cavities.

Mammals Associated with Montane Coniferous Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Big Brown Bat	Closely Associated	Feeds and Breeds	High	Requires snags, caves, mines, rock crevices, or bridges for breeding and roosting.
Deer Mouse	Closely Associated	Feeds and Breeds	High	None noted.
Long-tailed Vole	Closely Associated	Feeds and Breeds	High	None noted.
Pacific Jumping Mouse	Closely Associated	Feeds and Breeds	High	None noted.
Snowshoe Hare	Closely Associated	Feeds and Breeds	High	None noted.
Southern Red-backed Vole	Closely Associated	Feeds and Breeds	High	None noted.
Water Shrew	Closely Associated	Feeds and Breeds	High	Lead a semi-aquatic life and require cold, clear water in small streams or ponds with abundant cover in the form of rocks, overhanging banks, etc.
Water Vole	Closely Associated	Feeds and Breeds	Low	None noted.
Yuma Myotis	Closely Associated	Feeds and Breeds	High	More closely associated with water than other bat species. Uses caves, mines, loose bark and bark crevices typically close to water.
American Beaver	Generally Associated	Feeds and Breeds	High	None noted.
American Marten	Generally Associated	Feeds and Breeds	Moderate	None noted.
Black Bear	Generally Associated	Feeds and Breeds	High	None noted.
Black-tailed Deer	Generally Associated	Feeds and Breeds	High	None noted.
Bobcat	Generally Associated	Feeds	Moderate	None noted.
Bushy-tailed Woodrat	Generally Associated	Feeds and Breeds	Moderate	None noted.
California Myotis	Generally Associated	Feeds and Breeds	High	Uses rock crevices, hollow trees, mines or caves for breeding.
Columbian Ground Squirrel	Generally Associated	Feeds and Breeds	Moderate	None noted.
Columbian Mouse	Generally Associated	Feeds and Breeds	High	None noted.

Mammals Associated with Montane Coniferous Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Common Porcupine	Generally Associated	Feeds and Breeds	Moderate	None noted.
Coyote	Generally Associated	Feeds and Breeds	High	None noted.
Creeping Vole	Generally Associated	Feeds and Breeds	High	None noted.
Fisher	Generally Associated	Feeds and Breeds	Low	None noted.
Golden-mantled Ground Squirrel	Generally Associated	Feeds and Breeds	Moderate	None noted.
Hoary Bat	Generally Associated	Feeds	Low	Requires trees for roosting, but forages in openings and at edges of forests.
Little Brown Myotis	Generally Associated	Feeds	High	Uses caves, mines, or hollow trees, often near water.
Long-eared Myotis	Generally Associated	Feeds and Breeds	Moderate	Uses caves, mines, hollow trees, loose bark or rock crevices.
Long-tailed Weasel	Generally Associated	Feeds and Breeds	Moderate	None noted.
Mink	Generally Associated	Feeds and Breeds	Moderate	None noted.
Montane Vole	Generally Associated	Feeds and Breeds	High	None noted.
Moose	Generally Associated	Feeds and Breeds	Moderate	None noted.
Mountain Caribou	Generally Associated	Feeds and Breeds	High	None noted.
Mountain Lion	Generally Associated	Feeds	High	None noted.
Mule Deer	Generally Associated	Feeds and Breeds	High	None noted.
Northern Bog Lemming	Generally Associated	Feeds and Breeds	Moderate	None noted.
Northern Flying Squirrel	Generally Associated	Feeds and Breeds	High	None noted.
Northern Pocket Gopher	Generally Associated	Feeds and Breeds	Moderate	None noted.
Pacific Water Shrew	Generally Associated	Feeds and Breeds	High	Closely tied to water.
Rocky Mountain Elk	Generally Associated	Feeds and Breeds	High	None noted.

Mammals Associated with Montane Coniferous Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Roosevelt Elk	Generally Associated	Feeds and Breeds	High	None noted.
Shrew-mole	Generally Associated	Feeds and Breeds	High	None noted.
Silver-haired Bat	Generally Associated	Feeds and Breeds	Moderate	Uses trees, bark crevices, and snags for summer roosts; if present in winter, may use caves, mines, or rock crevices for hibernacula.
Townsend's Big-eared Bat	Generally Associated	Feeds	Moderate	None noted.
Townsend's Chipmunk	Generally Associated	Feeds and Breeds	High	None noted.
Trowbridge's Shrew	Generally Associated	Feeds and Breeds	High	None noted.
Western Jumping Mouse	Generally Associated	Feeds and Breeds	Moderate	None noted.
Western Spotted Skunk	Generally Associated	Feeds and Breeds	Low	None noted.
Wolverine	Generally Associated	Feeds and Breeds	Low	None noted.
Coast Mole	Present	Feeds and Breeds	Moderate	None noted.
Ermine	Present	Feeds and Breeds	Low	None noted.
Fringed Myotis	Present	Feeds	Low	Requires caves, mines or rock crevices.
Grizzly Bear	Present	Feeds	Moderate	None noted.
Heather Vole	Present	Feeds and Breeds	Moderate	None noted.
Long-legged Myotis	Present	Feeds and Breeds	Moderate	Uses caves or mines as hibernacula. Uses hollow trees, loose bark or rock crevices for maternity colonies.
Lynx	Present	Feeds	Low	None noted.
Masked Shrew	Present	Feeds and Breeds	Moderate	None noted.
Montane Shrew	Present	Feeds and Breeds	Low	None noted.
Vagrant Shrew	Present	Feeds and Breeds	Moderate	None noted.

Reptiles Associated with Montane Coniferous Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Common Garter Snake	Closely Associated	Feeds and Breeds	Moderate	None noted.
Rubber Boa	Generally Associated	Feeds and Breeds	High	Usually does not occur far from water.

Wildlife Species Found in Eastside (Interior) Riparian - Wetlands

Amphibians Associated with Eastside (Interior) Riparian - Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Bullfrog	Closely Associated	Feeds and Breeds	High	Requires warm-water ponds, marshes, or river/stream backwaters for breeding.
Columbia Spotted Frog	Closely Associated	Feeds and Breeds	High	Rare or absent where predatory fish or bullfrogs occur. Requires shallow water in wet meadows or stream/pond edges with abundant aquatic vegetation for breeding.
Great Basin Spadefoot	Closely Associated	Feeds and Breeds	High	Requires ponds or temporary rain-filled depressions for breeding.
Long-toed Salamander	Closely Associated	Feeds and Breeds	High	Rare or absent where predatory fish are occur. Requires ponds, shallow lake edges, seasonal pools (like elk wallows) or slow streams for breeding.
Northern Leopard Frog	Closely Associated	Feeds and Breeds	High	Requires ponds or lake edges with dense aquatic and emergent vegetation for breeding.
Pacific Chorus (Tree) Frog	Closely Associated	Feeds and Breeds	High	Requires ponds, seasonal pools, temporary rain-filled depressions or slow streams for breeding.
Tailed Frog	Closely Associated	Feeds and Breeds	Moderate	Requires clear, cold steep-gradient streams for breeding.
Tiger Salamander	Closely Associated	Feeds and Breeds	High	Rare or absent where predatory fish occur. Requires warm ponds or shallow lake edges for breeding.
Western Toad	Closely Associated	Feeds and Breeds	High	None noted.
Woodhouse's Toad	Closely Associated	Feeds and Breeds	High	Requires warm, shallow water in ponds, lakes, or slow streams for breeding.
Cascades Frog	Generally Associated	Feeds and Breeds	Moderate	Requires bogs or ponds with cold springs for breeding.
Northwestern Salamander	Present	Feeds and Breeds	High	Range extends only peripherally into the eastside Cascades in Washington only. Requires ponds or stream backwaters for breeding.
Red-legged Frog	Present	Feeds and Breeds	High	Range extends only peripherally into the eastside Cascades.

Amphibians Associated with Eastside (Interior) Riparian - Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Rough-skinned Newt	Present	Feeds and Breeds	High	Range doesn't extend very far east of Cascades. Needs ponds/backwaters & profuse aquatic vegetation breed.

Birds Associated with Eastside (Interior) Riparian -Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
American Black Duck	Closely Associated	Feeds and Breeds	Low	None noted.
American Dipper	Closely Associated	Feeds and Breeds	High	None noted.
American Redstart	Closely Associated	Feeds and Breeds	High	None noted.
Bank Swallow	Closely Associated	Feeds and Breeds	High	Requires burrows in dirt banks, usually next to water, for nesting.
Barn Swallow	Closely Associated	Feeds and Breeds	High	Can nest anywhere buildings, bridges, or overhanging cliffs occur in close proximity to water.
Belted Kingfisher	Closely Associated	Feeds and Breeds	High	None noted.
Black-billed Magpie	Closely Associated	Feeds and Breeds	High	None noted.
Black-crowned Night-heron	Closely Associated	Feeds and Breeds	High	Occur in wide bottomlands, not narrow canyons.
Blue Grouse	Closely Associated	Feeds and Breeds	High	None noted.
Bullock's Oriole	Closely Associated	Feeds and Breeds	Moderate	None noted.
Cedar Waxwing	Closely Associated	Feeds and Breeds	High	None noted.
Cliff Swallow	Closely Associated	Feeds and Breeds	Moderate	Can nest anywhere rimrock, overhanging cliffs, buildings or bridges occur in close proximity to water.
Common Merganser	Closely Associated	Feeds and Breeds	High	Nests in tree cavities near large lakes or rivers.
Common Yellowthroat	Closely Associated	Feeds and Breeds	High	None noted.
Cordilleran Flycatcher	Closely Associated	Feeds and Breeds	Moderate	None noted.
Double-crested Cormorant	Closely Associated	Feeds and Breeds	High	None noted.

Birds Associated with Eastside (Interior) Riparian -Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
European Starling	Closely Associated	Feeds and Breeds	High	Requires snags or trees with cavities or buildings with crevices for nesting. Most likely to use this habitat where adjacent to agriculture or urban habitats.
Fox Sparrow	Closely Associated	Feeds and Breeds	High	None noted.
Gray Catbird	Closely Associated	Feeds and Breeds	High	None noted.
Great Blue Heron	Closely Associated	Feeds and Breeds	High	None noted.
Great Egret	Closely Associated	Feeds and Breeds	High	More common in broad flood plains; does not occur in narrow riparian corridors as a breeder.
Harlequin Duck	Closely Associated	Feeds and Breeds	High	None noted.
Hooded Merganser	Closely Associated	Feeds and Breeds	Moderate	Nests in tree cavities.
Lazuli Bunting	Closely Associated	Feeds and Breeds	High	None noted.
Lincoln's Sparrow	Closely Associated	Feeds and Breeds	Moderate	None noted.
Long-eared Owl	Closely Associated	Feeds and Breeds	High	Typically nests in the abandoned nests of other corvids, raptors or squirrels.
Mallard	Closely Associated	Feeds and Breeds	High	None noted.
Mourning Dove	Closely Associated	Feeds and Breeds	High	None noted.
Northern Rough-winged Swallow	Closely Associated	Feeds and Breeds	High	Requires burrows in dirt banks, usually next to water, for nesting.
Northern Waterthrush	Closely Associated	Feeds and Breeds	High	None noted.
Pygmy Nuthatch	Closely Associated	Feeds and Breeds	Moderate	Uses this habitat where ponderosa pine occurs.
Red-eyed Vireo	Closely Associated	Feeds and Breeds	Moderate	Range of red-eyed vireo overlaps that of large black cottonwood groves.
Red-naped Sapsucker	Closely Associated	Feeds and Breeds	High	None noted.
Ring-necked Pheasant	Closely Associated	Feeds and Breeds	High	None noted.

Birds Associated with Eastside (Interior) Riparian -Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Ruffed Grouse	Closely Associated	Feeds and Breeds	High	None noted.
Sharp-tailed Grouse	Closely Associated	Feeds	High	In Oregon this was historically very important overwintering habitat.
Snowy Egret	Closely Associated	Feeds and Breeds	High	Requires tall shrubs or trees for nesting.
Solitary Sandpiper	Closely Associated	Feeds	Moderate	None noted.
Spotted Sandpiper	Closely Associated	Feeds and Breeds	Moderate	None noted.
Tree Swallow	Closely Associated	Feeds and Breeds	Moderate	Requires snags not far from open water for nesting.
Veery	Closely Associated	Feeds and Breeds	High	None noted.
Warbling Vireo	Closely Associated	Feeds and Breeds	High	None noted.
Western Screech-owl	Closely Associated	Feeds and Breeds	High	None noted.
Willow Flycatcher	Closely Associated	Feeds and Breeds	Moderate	None noted.
Wood Duck	Closely Associated	Feeds and Breeds	High	Nests in tree cavities.
Yellow Warbler	Closely Associated	Feeds and Breeds	High	None noted.
Yellow-billed Cuckoo	Closely Associated	Feeds and Breeds	Moderate	Not known from eastside Washington (even historically); in Oregon species may still occur in a few scattered locations.
Yellow-breasted Chat	Closely Associated	Feeds and Breeds	Moderate	None noted.
American Crow	Generally Associated	Feeds and Breeds	High	None noted.
American Goldfinch	Generally Associated	Feeds and Breeds	High	None noted.
American Kestrel	Generally Associated	Feeds and Breeds	High	None noted.
American Robin	Generally Associated	Feeds and Breeds	High	None noted.
American Tree Sparrow	Generally Associated	Feeds	Moderate	None noted.
Bald Eagle	Generally Associated	Feeds and Breeds	High	None noted.

Birds Associated with Eastside (Interior) Riparian -Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Barn Owl	Generally Associated	Feeds and Breeds	High	Requires cliffs, caves, rimrock, or tree cavities for nesting.
Black Swift	Generally Associated	Feeds and Breeds	Low	Requires suitable cliffs behind waterfalls for breeding.
Black-capped Chickadee	Generally Associated	Feeds and Breeds	Moderate	None noted.
Black-chinned Hummingbird	Generally Associated	Feeds and Breeds	Low	None noted.
Black-headed Grosbeak	Generally Associated	Feeds and Breeds	High	None noted.
Black-throated Gray Warbler	Generally Associated	Feeds and Breeds	Low	None noted.
Bobolink	Generally Associated	Feeds and Breeds	Moderate	None noted.
Bohemian Waxwing	Generally Associated	Feeds	Moderate	None noted.
Brewer's Blackbird	Generally Associated	Feeds and Breeds	Moderate	None noted.
Broad-tailed Hummingbird	Generally Associated	Feeds and Breeds	Low	High elevation, montane riparian. Breeding suspected but not confirmed. Birds have been found in eastside riparian aspen and willow habitats.
Brown Creeper	Generally Associated	Feeds and Breeds	Moderate	None noted.
Brown-headed Cowbird	Generally Associated	Feeds and Breeds	High	None noted.
Bufflehead	Generally Associated	Feeds and Breeds	Moderate	Nests in tree cavities.
Bushtit	Generally Associated	Feeds and Breeds	Moderate	None noted.
California Quail	Generally Associated	Feeds and Breeds	High	Uses this habitat where adjacent to more open habitats.
Calliope Hummingbird	Generally Associated	Feeds and Breeds	Moderate	None noted.
Canyon Wren	Generally Associated	Feeds and Breeds	Moderate	Requires rocky outcrops, cliffs for nesting.
Cassin's Finch	Generally Associated	Feeds and Breeds	High	None noted.
Cassin's Vireo	Generally Associated	Feeds and Breeds	Moderate	None noted.

Birds Associated with Eastside (Interior) Riparian -Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Cattle Egret	Generally Associated	Feeds and Breeds	High	Requires shrubs or trees for nesting.
Chipping Sparrow	Generally Associated	Feeds and Breeds	Moderate	None noted.
Common Nighthawk	Generally Associated	Feeds	Moderate	None noted.
Common Raven	Generally Associated	Feeds and Breeds	High	None noted.
Common Redpoll	Generally Associated	Feeds	Moderate	None noted.
Cooper's Hawk	Generally Associated	Feeds and Breeds	High	None noted.
Dark-eyed Junco	Generally Associated	Feeds and Breeds	High	None noted.
Downy Woodpecker	Generally Associated	Feeds and Breeds	Moderate	None noted.
Dusky Flycatcher	Generally Associated	Feeds and Breeds	Moderate	None noted.
Eastern Kingbird	Generally Associated	Feeds and Breeds	Moderate	Requires groves of hardwoods for breeding.
Evening Grosbeak	Generally Associated	Feeds and Breeds	Moderate	None noted.
Flammulated Owl	Generally Associated	Feeds and Breeds	Moderate	Must have ponderosa pine/aspens.
Golden Eagle	Generally Associated	Feeds and Breeds	High	Needs cliffs for nesting.
Golden-crowned Kinglet	Generally Associated	Feeds and Breeds	Moderate	None noted.
Golden-crowned Sparrow	Generally Associated	Feeds	Moderate	None noted.
Gray Jay	Generally Associated	Feeds and Breeds	Moderate	None noted.
Great Horned Owl	Generally Associated	Feeds and Breeds	High	None noted.
Greater Yellowlegs	Generally Associated	Feeds	Low	None noted.
Green-winged Teal	Generally Associated	Feeds	High	None noted.
Hairy Woodpecker	Generally Associated	Feeds and Breeds	Moderate	None noted.

Birds Associated with Eastside (Interior) Riparian -Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Hermit Thrush	Generally Associated	Feeds and Breeds	High	None noted.
House Wren	Generally Associated	Feeds and Breeds	Moderate	None noted.
Killdeer	Generally Associated	Feeds and Breeds	Moderate	None noted.
Least Flycatcher	Generally Associated	Feeds and Breeds	Low	Has bred regularly at Clyde Holiday State Wayside, Grant County, Oregon, and numerous singing males have been found in eastside hardwood riparian habitats in Washington.
Lesser Yellowlegs	Generally Associated	Feeds	Low	None noted.
Lewis's Woodpecker	Generally Associated	Feeds and Breeds	Moderate	None noted.
Macgillivray's Warbler	Generally Associated	Feeds and Breeds	High	None noted.
Mountain Bluebird	Generally Associated	Feeds and Breeds	Moderate	None noted.
Mountain Chickadee	Generally Associated	Feeds and Breeds	Moderate	None noted.
Mountain Quail	Generally Associated	Feeds and Breeds	High	None noted.
Nashville Warbler	Generally Associated	Feeds and Breeds	High	None noted.
Northern Flicker	Generally Associated	Feeds and Breeds	Moderate	None noted.
Northern Goshawk	Generally Associated	Feeds and Breeds	High	None noted.
Northern Pygmy-owl	Generally Associated	Feeds and Breeds	High	None noted.
Olive-sided Flycatcher	Generally Associated	Feeds and Breeds	Moderate	None noted.
Orange-crowned Warbler	Generally Associated	Feeds and Breeds	High	None noted.
Osprey	Generally Associated	Feeds and Breeds	High	None noted.
Peregrine Falcon	Generally Associated	Feeds and Breeds	High	Needs cliffs for nesting.
Pied-billed Grebe	Generally Associated	Feeds and Breeds	High	None noted.

Birds Associated with Eastside (Interior) Riparian -Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Pileated Woodpecker	Generally Associated	Feeds and Breeds	Moderate	None noted.
Pine Siskin	Generally Associated	Feeds and Breeds	High	None noted.
Red-breasted Nuthatch	Generally Associated	Feeds and Breeds	Moderate	None noted.
Red-breasted Sapsucker	Generally Associated	Feeds and Breeds	Moderate	Only in south-central Oregon: may hybridize with Red-naped sapsucker in Eastside riparian.
Red-tailed Hawk	Generally Associated	Feeds and Breeds	High	None noted.
Red-winged Blackbird	Generally Associated	Feeds and Breeds	High	None noted.
Ring-necked Duck	Generally Associated	Feeds and Breeds	High	None noted.
Rufous Hummingbird	Generally Associated	Feeds and Breeds	Moderate	None noted.
Sandhill Crane	Generally Associated	Feeds and Breeds	High	Uses open riparian areas with only scattered willows or willow clumps.
Savannah Sparrow	Generally Associated	Feeds and Breeds	Moderate	None noted.
Say's Phoebe	Generally Associated	Feeds and Breeds	Moderate	Needs cliffs or rimrock for nesting.
Song Sparrow	Generally Associated	Feeds and Breeds	High	None noted.
Spotted Towhee	Generally Associated	Feeds and Breeds	Moderate	None noted.
Steller's Jay	Generally Associated	Feeds and Breeds	Moderate	None noted.
Swainson's Hawk	Generally Associated	Feeds and Breeds	High	None noted.
Swainson's Thrush	Generally Associated	Feeds and Breeds	High	None noted.
Townsend's Solitaire	Generally Associated	Feeds	Moderate	None noted.
Turkey Vulture	Generally Associated	Feeds and Breeds	High	Requires rocky outcrops, small caves, boulder piles, ledges on high cliffs or large hollow logs for nesting.
Violet-green Swallow	Generally Associated	Feeds and Breeds	Moderate	None noted.

Birds Associated with Eastside (Interior) Riparian -Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Western Bluebird	Generally Associated	Feeds and Breeds	High	None noted.
Western Tanager	Generally Associated	Feeds and Breeds	Moderate	None noted.
Western Wood-pewee	Generally Associated	Feeds and Breeds	Moderate	None noted.
White-breasted Nuthatch	Generally Associated	Feeds and Breeds	Moderate	Uses this habitat where ponderosa pine and hardwoods occur in the riparian zone.
White-crowned Sparrow	Generally Associated	Feeds and Breeds	High	None noted.
White-headed Woodpecker	Generally Associated	Feeds and Breeds	Low	Requires a ponderosa pine component.
White-throated Swift	Generally Associated	Feeds	Low	May use riparian areas as travel corridors.
Wild Turkey	Generally Associated	Feeds and Breeds	High	None noted.
Williamson's Sapsucker	Generally Associated	Feeds and Breeds	Low	None noted.
Wilson's Warbler	Generally Associated	Feeds and Breeds	High	None noted.
Winter Wren	Generally Associated	Feeds and Breeds	Moderate	None noted.
Yellow-rumped Warbler	Generally Associated	Feeds and Breeds	Moderate	None noted.
American Wigeon	Present	Feeds	Moderate	None noted.
Ash-throated Flycatcher	Present	Feeds and Breeds	Low	None noted.
Band-tailed Pigeon	Present	Feeds	Moderate	None noted.
Barred Owl	Present	Feeds and Breeds	Moderate	None noted.
Black-backed Woodpecker	Present	Feeds and Breeds	Moderate	None noted.
Canada Goose	Present	Feeds and Breeds	Moderate	None noted.
Chukar	Present	Feeds	Moderate	None noted.
Green-tailed Towhee	Present	Feeds and Breeds	Moderate	None noted.
House Finch	Present	Feeds and Breeds	Moderate	Uses this habitat where it is not too far from urban or agricultural areas.

Birds Associated with Eastside (Interior) Riparian -Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Lesser Goldfinch	Present	Feeds and Breeds	Moderate	None noted.
Merlin	Present	Feeds	Low	None noted.
Northern Harrier	Present	Feeds and Breeds	High	None noted.
Northern Saw-whet Owl	Present	Feeds and Breeds	Low	None noted.
Prairie Falcon	Present	Feeds and Breeds	High	Needs cliffs for nesting.
Red Crossbill	Present	Feeds	Low	None noted.
Rough-legged Hawk	Present	Feeds	High	None noted.
Ruby-crowned Kinglet	Present	Feeds and Breeds	Moderate	None noted.
Three-toed Woodpecker	Present	Feeds and Breeds	Moderate	None noted.
Townsend's Warbler	Present	Feeds and Breeds	Low	Heavy use during migration, and occasional breeding where conifers are present.
Vaux's Swift	Present	Feeds and Breeds	Low	None noted.

Mammals Associated with Eastside (Interior) Riparian -Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
American Beaver	Closely Associated	Feeds and Breeds	High	None noted.
Big Brown Bat	Closely Associated	Feeds and Breeds	High	Requires snags, caves, mines, rock crevices, or bridges for breeding and roosting.
Bushy-tailed Woodrat	Closely Associated	Feeds and Breeds	High	None noted.
Deer Mouse	Closely Associated	Feeds and Breeds	High	None noted.
Long-legged Myotis	Closely Associated	Feeds and Breeds	Moderate	Uses caves or mines as hibernacula. Uses hollow trees, loose bark or rock crevices for maternity colonies.
Long-tailed Vole	Closely Associated	Feeds and Breeds	High	None noted.
Meadow Vole	Closely Associated	Feeds and Breeds	Low	None noted.
Mink	Closely Associated	Feeds and Breeds	Moderate	None noted.

Mammals Associated with Eastside (Interior) Riparian -Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Muskrat	Closely Associated	Feeds and Breeds	Moderate	None noted.
Northern River Otter	Closely Associated	Feeds and Breeds	High	None noted.
Pacific Jumping Mouse	Closely Associated	Feeds and Breeds	High	None noted.
Pallid Bat	Closely Associated	Feeds and Breeds	Moderate	Requires rock cliffs, caves or mines for breeding.
Raccoon	Closely Associated	Feeds and Breeds	Moderate	None noted.
Snowshoe Hare	Closely Associated	Feeds and Breeds	High	None noted.
Southern Red-backed Vole	Closely Associated	Feeds and Breeds	High	None noted.
Water Shrew	Closely Associated	Feeds and Breeds	High	Lead a semi-aquatic life and require cold, clear water in small streams or ponds with abundant cover in the form of rocks, overhanging banks, etc.
Water Vole	Closely Associated	Feeds and Breeds	Low	None noted.
Western Harvest Mouse	Closely Associated	Feeds and Breeds	High	None noted.
Western Jumping Mouse	Closely Associated	Feeds and Breeds	High	None noted.
Western Pipistrelle	Closely Associated	Feeds and Breeds	High	Requires cliffs, rimrock, caves or mines for breeding and roosting.
Western Small-footed Myotis	Closely Associated	Feeds and Breeds	Moderate	Requires cliffs, rimrock, boulders, or talus for breeding.
White-tailed Deer (Eastside)	Closely Associated	Feeds and Breeds	High	None noted.
Yuma Myotis	Closely Associated	Feeds and Breeds	High	More closely associated with water than other bat species. Uses caves, mines, loose bark and bark crevices typically close to water.
Black Bear	Generally Associated	Feeds and Breeds	High	None noted.
Black-tailed Deer	Generally Associated	Feeds and Breeds	High	None noted.
Bobcat	Generally Associated	Feeds and Breeds	Moderate	None noted.
Broad-footed Mole	Generally Associated	Feeds and Breeds	Moderate	None noted.

Mammals Associated with Eastside (Interior) Riparian -Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Brush Rabbit	Generally Associated	Feeds and Breeds	Moderate	None noted.
California Myotis	Generally Associated	Feeds and Breeds	High	Uses rock crevices, hollow trees, mines or caves for breeding.
Columbian Ground Squirrel	Generally Associated	Feeds and Breeds	Moderate	None noted.
Columbian Mouse	Generally Associated	Feeds and Breeds	Moderate	None noted.
Common Porcupine	Generally Associated	Feeds and Breeds	Moderate	None noted.
Coyote	Generally Associated	Feeds and Breeds	High	None noted.
Creeping Vole	Generally Associated	Feeds and Breeds	High	None noted.
Eastern Cottontail	Generally Associated	Feeds and Breeds	Low	Likely uses this habitat where adjacent to urban or agricultural habitats.
Eastern Fox Squirrel	Generally Associated	Feeds and Breeds	Moderate	None noted.
Ermine	Generally Associated	Feeds and Breeds	Low	None noted.
Feral Horse	Generally Associated	Feeds	Low	None noted.
Feral Pig	Generally Associated	Feeds and Breeds	Moderate	None noted.
Fisher	Generally Associated	Feeds and Breeds	Low	None noted.
Fringed Myotis	Generally Associated	Feeds and Breeds	Low	Requires caves, mines or rock crevices.
Hoary Bat	Generally Associated	Feeds	Moderate	Requires trees for roosting, but forages in openings and at edges of forests.
Little Brown Myotis	Generally Associated	Feeds and Breeds	High	Uses caves, mines, or hollow trees, often near water.
Long-eared Myotis	Generally Associated	Feeds and Breeds	Moderate	Uses caves, mines, hollow trees, loose bark or rock crevices.
Long-tailed Weasel	Generally Associated	Feeds and Breeds	Moderate	None noted.
Masked Shrew	Generally Associated	Feeds and Breeds	High	None noted.
Montane Vole	Generally Associated	Feeds and Breeds	High	None noted.

Mammals Associated with Eastside (Interior) Riparian -Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Moose	Generally Associated	Feeds and Breeds	High	None noted.
Mountain Caribou	Generally Associated	Feeds and Breeds	High	None noted.
Mountain Lion	Generally Associated	Feeds and Breeds	High	None noted.
Mule Deer	Generally Associated	Feeds and Breeds	High	None noted.
Northern Flying Squirrel	Generally Associated	Feeds and Breeds	High	None noted.
Northern Pocket Gopher	Generally Associated	Feeds and Breeds	Moderate	None noted.
Pacific Water Shrew	Generally Associated	Feeds and Breeds	Moderate	Closely tied to water.
Red Fox	Generally Associated	Feeds and Breeds	Low	Non-native Red fox.
Rocky Mountain Elk	Generally Associated	Feeds and Breeds	High	None noted.
Shrew-mole	Generally Associated	Feeds and Breeds	High	None noted.
Silver-haired Bat	Generally Associated	Feeds and Breeds	Moderate	Uses trees, bark crevices, and snags for summer roosts; if present in winter, may use caves, mines, or rock crevices for hibernacula.
Spotted Bat	Generally Associated	Feeds and Breeds	Moderate	Requires cliffs for breeding.
Striped Skunk	Generally Associated	Feeds and Breeds	Moderate	None noted.
Townsend's Big-eared Bat	Generally Associated	Feeds	Moderate	None noted.
Trowbridge's Shrew	Generally Associated	Feeds and Breeds	High	None noted.
Virginia Opossum	Generally Associated	Feeds and Breeds	Low	None noted.
Western Spotted Skunk	Generally Associated	Feeds and Breeds	Low	None noted.
Wild Burro	Generally Associated	Feeds	Low	None noted.
Yellow-bellied Marmot	Generally Associated	Feeds and Breeds	Moderate	Requires talus slopes, lava fields, rimrock, or boulder fields in close proximity to grassy openings or meadows.

Mammals Associated with Eastside (Interior) Riparian -Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Yellow-pine Chipmunk	Generally Associated	Feeds and Breeds	Moderate	None noted.
American Badger	Present	Feeds	Moderate	None noted.
American Marten	Present	Feeds and Breeds	Moderate	None noted.
Coast Mole	Present	Feeds and Breeds	Moderate	None noted.
Golden-mantled Ground Squirrel	Present	Feeds and Breeds	Moderate	None noted.
Grizzly Bear	Present	Feeds	Moderate	None noted.
Heather Vole	Present	Feeds and Breeds	Moderate	None noted.
Least Chipmunk	Present	Feeds and Breeds	Low	None noted.
Montane Shrew	Present	Feeds and Breeds	Moderate	None noted.
Preble's Shrew	Present	Feeds and Breeds	Low	None noted.
Pronghorn Antelope	Present	Feeds	Moderate	None noted.
Vagrant Shrew	Present	Feeds and Breeds	Moderate	None noted.
White-tailed Jackrabbit	Present	Feeds and Breeds	Moderate	None noted.

Reptiles Associated with Eastside (Interior) Riparian-Wetlands				
Species (alphabetically by common name within each association)	Association	Activity	Confidence	Comments
Common Garter Snake	Closely Associated	Feeds and Breeds	High	None noted.
Gopher Snake	Generally Associated	Feeds and Breeds	High	None noted.
Northern Alligator Lizard	Generally Associated	Feeds and Breeds	High	None noted.
Painted Turtle	Generally Associated	Feeds and Breeds	Moderate	None noted.
Racer	Generally Associated	Feeds and Breeds	High	None noted.
Rubber Boa	Generally Associated	Feeds and Breeds	High	Usually does not occur far from water.
Sharptail Snake	Generally Associated	Feeds and Breeds	Moderate	None noted.
Western Rattlesnake	Generally Associated	Feeds and Breeds	High	None noted.
Western Terrestrial Garter Snake	Generally Associated	Feeds and Breeds	High	None noted.
Southern Alligator Lizard	Present	Feeds and Breeds	Low	None noted.