# Biodiversity Report

45.6449°N, -121.9448°W

## Location Information

| | | | |
|---|---|---|---|
| Latitude: | 45°38'42"N | Longitude: | -121°56'41"W |
| Latitude (Decimal Minutes): | 45°38.7'N | Longitude (Decimal Minutes): | -121°56.6833'W |
| Latitude (Decimal Degrees): | 45.6449°N | Longitude (Decimal Degrees): | -121.9448°W |
| USGS Quad: | Bonneville Dam, 45121-F8 | Maidenhead Grid Square (ARRL): | CN95AP |
| Legal (Township Range Section): | Not Available | County: | Not Available |
| Magnetic Declination: | Not Available | | |
| Elevation: | 5.59 meters, 18.35 ft | Avg Annual Precipitation: | 75 in (inches) |
| Watershed (10 Digit HUC): | City of Washougal-Columbia River (1708000108) | | |
| Sub-watershed (12 Digit HUC): | Tanner Creek-Columbia River (170800010801) | | |
| Fire Protection District: | Not Available | ODF Regulated Use: | Not Available |
| Fire Weather Zone: | Not Available | ODFW Wildlife Management Unit: | Not Available |
| Public Ownership: | Not Available | | |

## Animal Species (Aquatic Habitat Associated) in Sub-watershed Tanner Creek-Columbia River (170800010801)

*** See Appendix for Status and Rank Code Lookup*

1 Western pond turtle — *Actinemys marmorata* — Relative Abundance Index: *0.57*

| | | | |
|---|---|---|---|
| Global Rank: | *G3G4* | Federal Status: | *SOC* |
| State Rank: | *S2* | State Rank: | *SC* |
| FPA: | | Strategy Species: | *Y* |

*View in Wildlife Viewer*
*View Habitat Map (pdf)*

2 Western toad — *Anaxyrus boreas* — Relative Abundance Index: *0.51*

| | | | |
|---|---|---|---|
| Global Rank: | *G4* | Federal Status: | |
| State Rank: | *S4* | State Rank: | *S* |
| FPA: | | Strategy Species: | *Y* |

*View in Wildlife Viewer*
*View Habitat Map (pdf)*

3 Great blue heron — *Ardea herodias* — Relative Abundance Index: *0.58*

| | | | |
|---|---|---|---|
| Global Rank: | *G5* | Federal Status: | |
| State Rank: | *S4* | State Rank: | |
| FPA: | *Y* | Strategy Species: | |

*View in Wildlife Viewer*
*View Habitat Map (pdf)*

4 Coastal tailed frog — *Ascaphus truei* — Relative Abundance Index: *0.49*

| | | | |
|---|---|---|---|
| Global Rank: | *G4* | Federal Status: | |
| State Rank: | *S3* | State Rank: | *S* |
| FPA: | | Strategy Species: | *Y* |

*View in Wildlife Viewer*
*View Habitat Map (pdf)*

5 Green heron — *Butorides virescens* — Relative Abundance Index: *0.41*

| | | | |
|---|---|---|---|
| Global Rank: | *G5* | Federal Status: | |
| State Rank: | *S4* | State Rank: | |
| FPA: | | Strategy Species: | |

*View in Wildlife Viewer*
*View Habitat Map (pdf)*

6 Vaux's swift — *Chaetura vauxi* — Relative Abundance Index: *0.57*

| | | | |
|---|---|---|---|
| Global Rank: | *G5* | Federal Status: | |
| State Rank: | *S4B* | State Rank: | |
| FPA: | | Strategy Species: | |

*View in Wildlife Viewer*
*View Habitat Map (pdf)*

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| | | | | | |
|---|---|---|---|---|---|
| 7 | Painted turtle | *Chrysemys picta* | Relative Abundance Index: *1.5* | | |
| Global Rank: *G5* | Federal Status: | | | | |
| State Rank: *S2* | State Rank: *SC* | | | | |
| FPA: | Strategy Species: *Y* | | | | |
| 8 | Olive-sided flycatcher | *Contopus cooperi* | Relative Abundance Index: *0.47* | | |
| Global Rank: *G4* | Federal Status: | | | | |
| State Rank: *S2S3B* | State Rank: *S/SC* | | | | |
| FPA: | Strategy Species: *Y* | | | | |
| 9 | Townsend's big-eared bat | *Corynorhinus townsendii* | Relative Abundance Index: | | |
| Global Rank: *G4* | Federal Status: | | | | |
| State Rank: *S2* | State Rank: *SC* | | | | |
| FPA: | Strategy Species: *Y* | | | | |
| 10 | Cope's giant salamander | *Dicamptodon copei* | Relative Abundance Index: *0.68* | | |
| Global Rank: *G3G4* | Federal Status: | | | | |
| State Rank: *S2* | State Rank: *S* | | | | |
| FPA: | Strategy Species: *Y* | | | | |
| 11 | Pacific giant salamander | *Dicamptodon tenebrosus* | Relative Abundance Index: *0.52* | | |
| Global Rank: *G5* | Federal Status: | | | | |
| State Rank: *S4* | State Rank: | | | | |
| FPA: | Strategy Species: | | | | |
| 12 | Willow flycatcher | *Empidonax traillii* | Relative Abundance Index: *0.07* | | |
| Global Rank: *G5* | Federal Status: *PS* | | | | |
| State Rank: *S3B* | State Rank: | | | | |
| FPA: | Strategy Species: *Y* | | | | |
| 13 | Big brown bat | *Eptesicus fuscus* | Relative Abundance Index: *0.47* | | |
| Global Rank: *G5* | Federal Status: | | | | |
| State Rank: *S4* | State Rank: | | | | |
| FPA: | Strategy Species: | | | | |
| 14 | Bald eagle | *Haliaeetus leucocephalus* | Relative Abundance Index: *0.55* | | |
| Global Rank: *G5* | Federal Status: | | | | |
| State Rank: *S4B,S4N* | State Rank: | | | | |
| FPA: *Y* | Strategy Species: | | | | |
| 15 | Harlequin duck | *Histrionicus histrionicus* | Relative Abundance Index: *0.49* | | |
| Global Rank: *G4* | Federal Status: | | | | |
| State Rank: *S2B,S3N* | State Rank: *S* | | | | |
| FPA: | Strategy Species: *Y* | | | | |
| 16 | Yellow-breasted chat | *Icteria virens* | Relative Abundance Index: | | |
| Global Rank: *G5* | Federal Status: | | | | |
| State Rank: *S4B* | State Rank: *SC* | | | | |
| FPA: | Strategy Species: *Y* | | | | |
| 17 | Silver-haired bat | *Lasionycteris noctivagans* | Relative Abundance Index: *0.47* | | |
| Global Rank: *G3G4* | Federal Status: | | | | |
| State Rank: *S3S4* | State Rank: *S* | | | | |
| FPA: | Strategy Species: *Y* | | | | |

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| | | | | | |
|---|---|---|---|---|---|
| 18 | Hoary bat | *Lasiurus cinereus* | | Relative Abundance Index: *0.47* | |
| Global Rank: *G3G4* | | Federal Status: | | | *View in Wildlife Viewer* |
| State Rank: *S3* | | State Rank: | *S* | | *View Habitat Map (pdf)* |
| FPA: | | Strategy Species: | *Y* | | |
| 19 | Hooded merganser | *Lophodytes cucullatus* | | Relative Abundance Index: *0.53* | |
| Global Rank: *G5* | | Federal Status: | | | *View in Wildlife Viewer* |
| State Rank: *S4* | | State Rank: | | | *View Habitat Map (pdf)* |
| FPA: | | Strategy Species: | | | |
| 20 | Common merganser | *Mergus merganser* | | Relative Abundance Index: *0.29* | |
| Global Rank: *G5* | | Federal Status: | | | *View in Wildlife Viewer* |
| State Rank: *S4* | | State Rank: | | | *View Habitat Map (pdf)* |
| FPA: | | Strategy Species: | | | |
| 21 | Water vole | *Microtus richardsoni* | | Relative Abundance Index: *0.64* | |
| Global Rank: *G5* | | Federal Status: | | | *View in Wildlife Viewer* |
| State Rank: *S4* | | State Rank: | | | *View Habitat Map (pdf)* |
| FPA: | | Strategy Species: | | | |
| 22 | California myotis | *Myotis californicus* | | Relative Abundance Index: *0.47* | |
| Global Rank: *G5* | | Federal Status: | | | *View in Wildlife Viewer* |
| State Rank: *S3* | | State Rank: | *S* | | *View Habitat Map (pdf)* |
| FPA: | | Strategy Species: | *Y* | | |
| 23 | Long-eared myotis | *Myotis evotis* | | Relative Abundance Index: *0.47* | |
| Global Rank: *G5* | | Federal Status: | | | *View in Wildlife Viewer* |
| State Rank: *S4* | | State Rank: | | | *View Habitat Map (pdf)* |
| FPA: | | Strategy Species: | | | |
| 24 | Little brown myotis | *Myotis lucifugus* | | Relative Abundance Index: *0.46* | |
| Global Rank: *G3* | | Federal Status: | | | *View in Wildlife Viewer* |
| State Rank: *S3* | | State Rank: | | | *View Habitat Map (pdf)* |
| FPA: | | Strategy Species: | | | |
| 25 | Long-legged myotis | *Myotis volans* | | Relative Abundance Index: *0.47* | |
| Global Rank: *G4G5* | | Federal Status: | | | *View in Wildlife Viewer* |
| State Rank: *S3* | | State Rank: | *S* | | *View Habitat Map (pdf)* |
| FPA: | | Strategy Species: | *Y* | | |
| 26 | Yuma myotis | *Myotis yumanensis* | | Relative Abundance Index: *0.47* | |
| Global Rank: *G5* | | Federal Status: | | | *View in Wildlife Viewer* |
| State Rank: *S3* | | State Rank: | | | *View Habitat Map (pdf)* |
| FPA: | | Strategy Species: | | | |
| 27 | Coastal cutthroat trout (Southwestern | *Oncorhynchus clarkii pop. 2* | | Relative Abundance Index: *60.1* | |
| Global Rank: *G5T3Q* | | Federal Status: | | | |
| State Rank: *S2* | | State Rank: | *S* | | |
| FPA: *Y* | | Strategy Species: | *Y* | | |
| 28 | Coho salmon (Lower Columbia River ESU) | *Oncorhynchus kisutch pop. 1* | | Relative Abundance Index: *3.78* | |
| Global Rank: *G5T2Q* | | Federal Status: | *LT* | | |
| State Rank: *S2* | | State Rank: | *LE* | | |
| FPA: *Y* | | Strategy Species: | *Y* | | |

# Biodiversity Report

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29 Steelhead (Lower Columbia River ESU, *Oncorhynchus mykiss pop. 27* Relative Abundance Index: *2.37*

Global Rank: *G5T2Q* Federal Status: *LT*
State Rank: *S2* State Rank: *SC*
FPA: *Y* Strategy Species: *Y*

30 Chinook salmon (Lower Columbia River *Oncorhynchus tshawytscha pop. 21* Relative Abundance Index: *6.75*

Global Rank: *G5T2Q* Federal Status: *LT*
State Rank: *S2* State Rank: *SC*
FPA: Strategy Species: *Y*

31 Chinook salmon (Lower Columbia River *Oncorhynchus tshawytscha pop. 22* Relative Abundance Index: *2.71*

Global Rank: *G5T2Q* Federal Status: *LT*
State Rank: *S2* State Rank: *SC*
FPA: Strategy Species: *Y*

32 Band-tailed pigeon *Patagioenas fasciata* Relative Abundance Index: *0.49*

Global Rank: *G4* Federal Status:
State Rank: *S3B* State Rank: *View in Wildlife Viewer*
FPA: *Y* Strategy Species: *View Habitat Map (pdf)*

33 Dunn's salamander *Plethodon dunni* Relative Abundance Index: *0.5*

Global Rank: *G4* Federal Status:
State Rank: *S4* State Rank: *View in Wildlife Viewer*
FPA: Strategy Species: *View Habitat Map (pdf)*

34 Red-necked grebe *Podiceps grisegena* Relative Abundance Index:

Global Rank: *G5* Federal Status:
State Rank: *S1B,S4N* State Rank: *SC* *View in Wildlife Viewer*
FPA: Strategy Species: *Y* *View Habitat Map (pdf)*

35 Purple martin *Progne subis* Relative Abundance Index: *0.29*

Global Rank: *G5* Federal Status:
State Rank: *S2B* State Rank: *SC* *View in Wildlife Viewer*
FPA: Strategy Species: *Y* *View Habitat Map (pdf)*

36 Cascades frog *Rana cascadae* Relative Abundance Index: *0.62*

Global Rank: *G3G4* Federal Status: *SOC*
State Rank: *S3S4* State Rank: *S* *View in Wildlife Viewer*
FPA: Strategy Species: *Y* *View Habitat Map (pdf)*

37 Oregon spotted frog *Rana pretiosa* Relative Abundance Index: *0.01*

Global Rank: *G2* Federal Status: *LT*
State Rank: *S1* State Rank: *SC* *View in Wildlife Viewer*
FPA: Strategy Species: *Y* *View Habitat Map (pdf)*

38 Cascade torrent salamander *Rhyacotriton cascadae* Relative Abundance Index: *0.77*

Global Rank: *G3* Federal Status:
State Rank: *S3* State Rank: *S* *View in Wildlife Viewer*
FPA: Strategy Species: *Y* *View Habitat Map (pdf)*

39 Yellow warbler *Setophaga petechia* Relative Abundance Index:

Global Rank: *G5* Federal Status: *PS:LE*
State Rank: *S4B* State Rank: *View in Wildlife Viewer*
FPA: Strategy Species: *View Habitat Map (pdf)*

40 Pacific water shrew *Sorex bendiri* Relative Abundance Index: *0.48*

Global Rank: *G4* Federal Status:
State Rank: *S4* State Rank:
FPA: Strategy Species:

*View in Wildlife Viewer*
*View Habitat Map (pdf)*

41 Water shrew *Sorex palustris* Relative Abundance Index: *0.61*

Global Rank: *G5* Federal Status:
State Rank: *S4* State Rank:
FPA: Strategy Species:

*View in Wildlife Viewer*
*View Habitat Map (pdf)*

42 Vagrant shrew *Sorex vagrans* Relative Abundance Index: *0.47*

Global Rank: *G5* Federal Status:
State Rank: *S4* State Rank:
FPA: Strategy Species:

*View in Wildlife Viewer*
*View Habitat Map (pdf)*

43 Northern rough-winged swallow *Stelgidopteryx serripennis* Relative Abundance Index: *0.27*

Global Rank: *G5* Federal Status:
State Rank: *S4* State Rank:
FPA: Strategy Species:

*View in Wildlife Viewer*
*View Habitat Map (pdf)*

# Biodiversity Report

45.6449°N, -121.9448°W

## Animal Species in Sub-watershed

### Tanner Creek-Columbia River (170800010801)

*** See Appendix for Status and Rank Code Lookup*

| | | | | |
|---|---|---|---|---|
| 1 | Cooper's hawk | *Accipiter cooperii* | Relative Abundance Index: *0.53* | |
| | Global Rank: *G5*<br>State Rank: *S4*<br>FPA: | Federal Status:<br>State Rank:<br>Strategy Species: | *View in Wildlife Viewer*<br>*View Habitat Map (pdf)* | |
| 2 | Northern goshawk | *Accipiter gentilis* | Relative Abundance Index: *0.72* | |
| | Global Rank: *G5*<br>State Rank: *S3S4*<br>FPA: | Federal Status:<br>State Rank: *S*<br>Strategy Species: *Y* | *View in Wildlife Viewer*<br>*View Habitat Map (pdf)* | |
| 3 | Sharp-shinned hawk | *Accipiter striatus* | Relative Abundance Index: *0.47* | |
| | Global Rank: *G5*<br>State Rank: *S4*<br>FPA: | Federal Status: *PS*<br>State Rank:<br>Strategy Species: | *View in Wildlife Viewer*<br>*View Habitat Map (pdf)* | |
| 4 | Northern saw-whet owl | *Aegolius acadicus* | Relative Abundance Index: *0.56* | |
| | Global Rank: *G5*<br>State Rank: *S4?*<br>FPA: | Federal Status:<br>State Rank:<br>Strategy Species: | *View in Wildlife Viewer*<br>*View Habitat Map (pdf)* | |
| 5 | Clouded salamander | *Aneides ferreus* | Relative Abundance Index: *0.52* | |
| | Global Rank: *G3G4*<br>State Rank: *S3S4*<br>FPA: | Federal Status:<br>State Rank: *S*<br>Strategy Species: *Y* | *View in Wildlife Viewer*<br>*View Habitat Map (pdf)* | |
| 6 | Golden eagle | *Aquila chrysaetos* | Relative Abundance Index: *1.1* | |
| | Global Rank: *G5*<br>State Rank: *S3*<br>FPA: *Y* | Federal Status:<br>State Rank:<br>Strategy Species: | *View in Wildlife Viewer*<br>*View Habitat Map (pdf)* | |
| 7 | Red tree vole | *Arborimus longicaudus* | Relative Abundance Index: *0.67* | |
| | Global Rank: *G3G4*<br>State Rank: *S3*<br>FPA: | Federal Status: *PS:C*<br>State Rank: *S*<br>Strategy Species: *Y* | *View in Wildlife Viewer*<br>*View Habitat Map (pdf)* | |
| 8 | Oregon slender salamander | *Batrachoseps wrighti* | Relative Abundance Index: *0.69* | |
| | Global Rank: *G3*<br>State Rank: *S3*<br>FPA: | Federal Status: *SOC*<br>State Rank: *S*<br>Strategy Species: *Y* | *View in Wildlife Viewer*<br>*View Habitat Map (pdf)* | |
| 9 | Hermit thrush | *Catharus guttatus* | Relative Abundance Index: *0.52* | |
| | Global Rank: *G5*<br>State Rank: *S4*<br>FPA: | Federal Status:<br>State Rank:<br>Strategy Species: | *View in Wildlife Viewer*<br>*View Habitat Map (pdf)* | |
| 10 | Swainson's thrush | *Catharus ustulatus* | Relative Abundance Index: *0.48* | |
| | Global Rank: *G5*<br>State Rank: *S4S5B*<br>FPA: | Federal Status:<br>State Rank:<br>Strategy Species: | *View in Wildlife Viewer*<br>*View Habitat Map (pdf)* | |

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|---|---|---|---|---|---|
| 11 | Brown creeper | *Certhia americana* | Relative Abundance Index: *0.56* | | |
| Global Rank: *G5* | Federal Status: | View in Wildlife Viewer | | | |
| State Rank: *S4* | State Rank: | View Habitat Map (pdf) | | | |
| FPA: | Strategy Species: | | | | |
| 12 | Racer | *Coluber constrictor* | Relative Abundance Index: *0.66* | | |
| Global Rank: *G5* | Federal Status: | View in Wildlife Viewer | | | |
| State Rank: *S4?* | State Rank: | View Habitat Map (pdf) | | | |
| FPA: | Strategy Species: | | | | |
| 13 | Western wood-pewee | *Contopus sordidulus* | Relative Abundance Index: *0.47* | | |
| Global Rank: *G5* | Federal Status: | View in Wildlife Viewer | | | |
| State Rank: *S4* | State Rank: | View Habitat Map (pdf) | | | |
| FPA: | Strategy Species: | | | | |
| 14 | Ringneck snake | *Diadophis punctatus* | Relative Abundance Index: *0.57* | | |
| Global Rank: *G5* | Federal Status: | View in Wildlife Viewer | | | |
| State Rank: *S4?* | State Rank: | View Habitat Map (pdf) | | | |
| FPA: | Strategy Species: | | | | |
| 15 | Pileated woodpecker | *Dryocopus pileatus* | Relative Abundance Index: *0.56* | | |
| Global Rank: *G5* | Federal Status: | View in Wildlife Viewer | | | |
| State Rank: *S4* | State Rank: *S* | View Habitat Map (pdf) | | | |
| FPA: | Strategy Species: *Y* | | | | |
| 16 | Pacific slope flycatcher | *Empidonax difficilis* | Relative Abundance Index: *0.61* | | |
| Global Rank: *G5* | Federal Status: | View in Wildlife Viewer | | | |
| State Rank: *S4B* | State Rank: | View Habitat Map (pdf) | | | |
| FPA: | Strategy Species: | | | | |
| 17 | Hammond's flycatcher | *Empidonax hammondii* | Relative Abundance Index: *0.57* | | |
| Global Rank: *G5* | Federal Status: | View in Wildlife Viewer | | | |
| State Rank: *S4* | State Rank: | View Habitat Map (pdf) | | | |
| FPA: | Strategy Species: | | | | |
| 18 | Dusky flycatcher | *Empidonax oberholseri* | Relative Abundance Index: *0.62* | | |
| Global Rank: *G5* | Federal Status: | View in Wildlife Viewer | | | |
| State Rank: *S4* | State Rank: | View Habitat Map (pdf) | | | |
| FPA: | Strategy Species: | | | | |
| 19 | Macgillivray's warbler | *Geothlypis tolmiei* | Relative Abundance Index: *0.49* | | |
| Global Rank: *G5* | Federal Status: | View in Wildlife Viewer | | | |
| State Rank: *S4B* | State Rank: | View Habitat Map (pdf) | | | |
| FPA: | Strategy Species: | | | | |
| 20 | Northern pygmy-owl | *Glaucidium gnoma* | Relative Abundance Index: *0.48* | | |
| Global Rank: *G4G5* | Federal Status: | View in Wildlife Viewer | | | |
| State Rank: *S4* | State Rank: | View Habitat Map (pdf) | | | |
| FPA: | Strategy Species: | | | | |
| 21 | Northern flying squirrel | *Glaucomys oregonensis* | Relative Abundance Index: *0.48* | | |
| Global Rank: *G5* | Federal Status: | View in Wildlife Viewer | | | |
| State Rank: *S4* | State Rank: | View Habitat Map (pdf) | | | |
| FPA: | Strategy Species: | | | | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Purple finch | *Haemorhous purpureus* | Relative Abundance Index: *0.48* | | |
| Global Rank: *G5* | Federal Status: | View in Wildlife Viewer | | | |
| State Rank: *S4?* | State Rank: | View Habitat Map (pdf) | | | |
| FPA: | Strategy Species: | | | | |
| 23 | Bullock's oriole | *Icterus bullockii* | Relative Abundance Index: *0.52* | | |
| Global Rank: *G5* | Federal Status: | View in Wildlife Viewer | | | |
| State Rank: *S4B* | State Rank: | View Habitat Map (pdf) | | | |
| FPA: | Strategy Species: | | | | |
| 24 | Varied thrush | *Ixoreus naevius* | Relative Abundance Index: *0.57* | | |
| Global Rank: *G5* | Federal Status: | View in Wildlife Viewer | | | |
| State Rank: *S4* | State Rank: | View Habitat Map (pdf) | | | |
| FPA: | Strategy Species: | | | | |
| 25 | Red crossbill | *Loxia curvirostra* | Relative Abundance Index: *0.58* | | |
| Global Rank: *G5* | Federal Status: | View in Wildlife Viewer | | | |
| State Rank: *S4* | State Rank: | View Habitat Map (pdf) | | | |
| FPA: | Strategy Species: | | | | |
| 26 | Bobcat | *Lynx rufus* | Relative Abundance Index: *0.49* | | |
| Global Rank: *G5* | Federal Status: *PS:LE,PDL* | View in Wildlife Viewer | | | |
| State Rank: *S4* | State Rank: | View Habitat Map (pdf) | | | |
| FPA: | Strategy Species: | | | | |
| 27 | Western screech-owl | *Megascops kennicottii* | Relative Abundance Index: *0.48* | | |
| Global Rank: *G4G5* | Federal Status: | View in Wildlife Viewer | | | |
| State Rank: *S4?* | State Rank: | View Habitat Map (pdf) | | | |
| FPA: | Strategy Species: | | | | |
| 28 | Townsend's solitaire | *Myadestes townsendi* | Relative Abundance Index: *0.41* | | |
| Global Rank: *G5* | Federal Status: | View in Wildlife Viewer | | | |
| State Rank: *S4* | State Rank: | View Habitat Map (pdf) | | | |
| FPA: | Strategy Species: | | | | |
| 29 | Western red-backed vole | *Myodes californicus* | Relative Abundance Index: *0.48* | | |
| Global Rank: *G5* | Federal Status: | View in Wildlife Viewer | | | |
| State Rank: *S4* | State Rank: | View Habitat Map (pdf) | | | |
| FPA: | Strategy Species: | | | | |
| 30 | Townsend's chipmunk | *Neotamias townsendii* | Relative Abundance Index: *0.5* | | |
| Global Rank: *G5* | Federal Status: | View in Wildlife Viewer | | | |
| State Rank: *S4* | State Rank: | View Habitat Map (pdf) | | | |
| FPA: | Strategy Species: | | | | |
| 31 | Shrew-mole | *Neurotrichus gibbsii* | Relative Abundance Index: *0.49* | | |
| Global Rank: *G5* | Federal Status: | View in Wildlife Viewer | | | |
| State Rank: *S4* | State Rank: | View Habitat Map (pdf) | | | |
| FPA: | Strategy Species: | | | | |
| 32 | American pika | *Ochotona princeps* | Relative Abundance Index: *0.64* | | |
| Global Rank: *G5* | Federal Status: | View in Wildlife Viewer | | | |
| State Rank: *S2S3* | State Rank: *S* | View Habitat Map (pdf) | | | |
| FPA: | Strategy Species: *Y* | | | | |

# Biodiversity Report

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| | | | | | |
|---|---|---|---|---|---|
| 33 | Mountain quail | *Oreortyx pictus* | Relative Abundance Index: *0.47* | | |
| | Global Rank: *G5* | Federal Status: | | | |
| | State Rank: *S3S4* | State Rank: *S* | | | View in Wildlife Viewer |
| | FPA: | Strategy Species: *Y* | | | View Habitat Map (pdf) |
| 34 | Nashville warbler | *Oreothlypis ruficapilla* | Relative Abundance Index: *0.29* | | |
| | Global Rank: *G5* | Federal Status: | | | |
| | State Rank: *S4?B* | State Rank: | | | View in Wildlife Viewer |
| | FPA: | Strategy Species: | | | View Habitat Map (pdf) |
| 35 | Lazuli bunting | *Passerina amoena* | Relative Abundance Index: *0.07* | | |
| | Global Rank: *G5* | Federal Status: | | | |
| | State Rank: *S4B* | State Rank: | | | View in Wildlife Viewer |
| | FPA: | Strategy Species: | | | View Habitat Map (pdf) |
| 36 | Gray jay | *Perisoreus canadensis* | Relative Abundance Index: *0.61* | | |
| | Global Rank: *G5* | Federal Status: | | | |
| | State Rank: *S4* | State Rank: | | | View in Wildlife Viewer |
| | FPA: | Strategy Species: | | | View Habitat Map (pdf) |
| 37 | Heather vole | *Phenacomys intermedius* | Relative Abundance Index: *0.69* | | |
| | Global Rank: *G5* | Federal Status: | | | |
| | State Rank: *S4* | State Rank: | | | View in Wildlife Viewer |
| | FPA: | Strategy Species: | | | View Habitat Map (pdf) |
| 38 | Downy woodpecker | *Picoides pubescens* | Relative Abundance Index: *0.48* | | |
| | Global Rank: *G5* | Federal Status: | | | |
| | State Rank: *S4* | State Rank: | | | View in Wildlife Viewer |
| | FPA: | Strategy Species: | | | View Habitat Map (pdf) |
| 39 | Hairy woodpecker | *Picoides villosus* | Relative Abundance Index: *0.54* | | |
| | Global Rank: *G5* | Federal Status: | | | |
| | State Rank: *S4* | State Rank: | | | View in Wildlife Viewer |
| | FPA: | Strategy Species: | | | View Habitat Map (pdf) |
| 40 | Larch Mountain salamander | *Plethodon larselli* | Relative Abundance Index: *1.06* | | |
| | Global Rank: *G3* | Federal Status: *SOC* | | | |
| | State Rank: *S2* | State Rank: *SC* | | | View in Wildlife Viewer |
| | FPA: | Strategy Species: *Y* | | | View Habitat Map (pdf) |
| 41 | Vesper sparrow | *Pooecetes gramineus* | Relative Abundance Index: | | |
| | Global Rank: *G5* | Federal Status: | | | |
| | State Rank: *S4B* | State Rank: *SC* | | | View in Wildlife Viewer |
| | FPA: | Strategy Species: | | | View Habitat Map (pdf) |
| 42 | Ruby-crowned kinglet | *Regulus calendula* | Relative Abundance Index: *1.01* | | |
| | Global Rank: *G5* | Federal Status: | | | |
| | State Rank: *S4* | State Rank: | | | View in Wildlife Viewer |
| | FPA: | Strategy Species: | | | View Habitat Map (pdf) |
| 43 | Golden-crowned kinglet | *Regulus satrapa* | Relative Abundance Index: *0.61* | | |
| | Global Rank: *G5* | Federal Status: | | | |
| | State Rank: *S3* | State Rank: | | | View in Wildlife Viewer |
| | FPA: | Strategy Species: | | | View Habitat Map (pdf) |

| | | | | | |
|---|---|---|---|---|---|
| 44 | Western gray squirrel | *Sciurus griseus* | Global Rank: *G5* | Federal Status: | Relative Abundance Index: *0.49* |
| | | | State Rank: *S4* | State Rank: *S* | View in Wildlife Viewer |
| | | | FPA: | Strategy Species: *Y* | View Habitat Map (pdf) |
| 45 | Hermit warbler | *Setophaga occidentalis* | Global Rank: *G4G5* | Federal Status: | Relative Abundance Index: *0.58* |
| | | | State Rank: *S4* | State Rank: | View in Wildlife Viewer |
| | | | FPA: | Strategy Species: | View Habitat Map (pdf) |
| 46 | Mountain bluebird | *Sialia currucoides* | Global Rank: *G5* | Federal Status: | Relative Abundance Index: *0.25* |
| | | | State Rank: *S4* | State Rank: | View in Wildlife Viewer |
| | | | FPA: | Strategy Species: | View Habitat Map (pdf) |
| 47 | Western bluebird | *Sialia mexicana* | Global Rank: *G5* | Federal Status: | Relative Abundance Index: *0.47* |
| | | | State Rank: *S4B,S4N* | State Rank: *S* | View in Wildlife Viewer |
| | | | FPA: | Strategy Species: *Y* | View Habitat Map (pdf) |
| 48 | Baird's shrew | *Sorex bairdi* | Global Rank: *G4* | Federal Status: | Relative Abundance Index: *0.48* |
| | | | State Rank: *S4* | State Rank: | View in Wildlife Viewer |
| | | | FPA: | Strategy Species: | View Habitat Map (pdf) |
| 49 | Dusky shrew | *Sorex monticolus* | Global Rank: *G5* | Federal Status: | Relative Abundance Index: *0.74* |
| | | | State Rank: *S4* | State Rank: | View in Wildlife Viewer |
| | | | FPA: | Strategy Species: | View Habitat Map (pdf) |
| 50 | Trowbridge's shrew | *Sorex trowbridgii* | Global Rank: *G5* | Federal Status: | Relative Abundance Index: *0.48* |
| | | | State Rank: *S4* | State Rank: | View in Wildlife Viewer |
| | | | FPA: | Strategy Species: | View Habitat Map (pdf) |
| 51 | Red-breasted sapsucker | *Sphyrapicus ruber* | Global Rank: *G5* | Federal Status: | Relative Abundance Index: *0.56* |
| | | | State Rank: *S4* | State Rank: | View in Wildlife Viewer |
| | | | FPA: | Strategy Species: | View Habitat Map (pdf) |
| 52 | Western spotted skunk | *Spilogale gracilis* | Global Rank: *G5* | Federal Status: | Relative Abundance Index: *0.48* |
| | | | State Rank: *S4* | State Rank: | View in Wildlife Viewer |
| | | | FPA: | Strategy Species: | View Habitat Map (pdf) |
| 53 | Chipping sparrow | *Spizella passerina* | Global Rank: *G5* | Federal Status: | Relative Abundance Index: *0.49* |
| | | | State Rank: *S4B* | State Rank: *S* | View in Wildlife Viewer |
| | | | FPA: | Strategy Species: *Y* | View Habitat Map (pdf) |
| 54 | Great gray owl | *Strix nebulosa* | Global Rank: *G5* | Federal Status: | Relative Abundance Index: *0.63* |
| | | | State Rank: *S3* | State Rank: *S* | View in Wildlife Viewer |
| | | | FPA: | Strategy Species: *Y* | View Habitat Map (pdf) |

# Biodiversity Report

45.6449°N, -121.9448°W

55 Spotted owl — *Strix occidentalis* — Relative Abundance Index:

Global Rank: *G3G4* — Federal Status: *LT*
State Rank: *S3* — State Rank: *LT*
FPA: — Strategy Species: *Y*

*View in Wildlife Viewer*
*View Habitat Map (pdf)*

56 Western meadowlark — *Sturnella neglecta* — Relative Abundance Index:

Global Rank: *G5* — Federal Status:
State Rank: *S4* — State Rank: *SC*
FPA: — Strategy Species: *Y*

*View in Wildlife Viewer*
*View Habitat Map (pdf)*

57 Western pocket gopher — *Thomomys mazama* — Relative Abundance Index:

Global Rank: *G4* — Federal Status: *PS:LT*
State Rank: *SNR* — State Rank:
FPA: — Strategy Species:

*View in Wildlife Viewer*
*View Habitat Map (pdf)*

58 Common gray fox — *Urocyon cinereoargenteus* — Relative Abundance Index: *0.47*

Global Rank: *G5* — Federal Status:
State Rank: *S4* — State Rank:
FPA: — Strategy Species:

*View in Wildlife Viewer*
*View Habitat Map (pdf)*

59 Cassin's vireo — *Vireo cassinii* — Relative Abundance Index: *0.44*

Global Rank: *G5* — Federal Status:
State Rank: *S4?B* — State Rank:
FPA: — Strategy Species:

*View in Wildlife Viewer*
*View Habitat Map (pdf)*

60 Hutton's vireo — *Vireo huttoni* — Relative Abundance Index: *0.5*

Global Rank: *G5* — Federal Status:
State Rank: *S4* — State Rank:
FPA: — Strategy Species:

*View in Wildlife Viewer*
*View Habitat Map (pdf)*

61 Red fox — *Vulpes vulpes* — Relative Abundance Index:

Global Rank: *G5* — Federal Status: *PS:PE*
State Rank: *S4?* — State Rank:
FPA: — Strategy Species:

*View in Wildlife Viewer*
*View Habitat Map (pdf)*

62 Pacific jumping mouse — *Zapus trinotatus* — Relative Abundance Index: *0.47*

Global Rank: *G5* — Federal Status:
State Rank: *S4* — State Rank:
FPA: — Strategy Species:

*View in Wildlife Viewer*
*View Habitat Map (pdf)*

# Biodiversity Report

45.6449°N, -121.9448°W

## Ecological Systems in Sub-watershed
## Tanner Creek-Columbia River (170800010801)

West Cascades Ecosection

| | Ecological System | Relative Abundance Index |
|---|---|---|
| 1 | *Moist-site Western Hemlock - Silver Fir* | *6.10514* |
| 2 | *Mountain Big Sagebrush* | *4.49942* |
| 3 | *Westside Montane Shrubland* | *3.018757* |
| 4 | *Westside Montane Grassland* | *2.767049* |
| 5 | *Montane - Alpine Meadow* | *0.983356* |
| 6 | *Developed, Low Intensity* | *0.906508* |
| 7 | *Westside Grass Bald or Bluff* | *0.746658* |
| 8 | *Big Leaf Maple - Douglas-fir* | *0.733573* |
| 9 | *Developed, High Intensity* | *0.710456* |
| 10 | *Moist-site Western Hemlock - Douglas-fir* | *0.652582* |
| 11 | *Developed, Medium Intensity* | *0.63951* |
| 12 | *Alpine Bedrock and Scree* | *0.63018* |
| 13 | *Dry-site Douglas-fir - Western Hemlock* | *0.622002* |
| 14 | *Wooded Lava Flow* | *0.543767* |
| 15 | *Westside Montane Riparian* | *0.506797* |
| 16 | *Avalanche Chute Shrubland* | *0.407084* |
| 17 | *Developed, Open Space (Roads, Parks, Golf Courses, Open Space)* | *0.302979* |
| 18 | *Westside Lowland Riparian* | *0.260898* |
| 19 | *Red Alder or Bigleaf Maple* | *0.257396* |
| 20 | *Freshwater Aquatic Bed* | *0.245328* |
| 21 | *Volcanic Rock, Lava Flow or Cinder Land* | *0.153724* |
| 22 | *Agriculture - Irrigated* | *0.057536* |
| 23 | *Westside Valley Wet Prairie* | *0.048586* |
| 24 | *Westside Lowland Prairie and Savanna* | *0.024866* |
| 25 | *Pacific Silver Fir* | *0.018967* |
| 26 | | *0.016487* |
| 27 | *Water* | *0.015522* |
| 28 | *Harvested Forest - Tree Regeneration* | *0.008267* |
| 29 | *Harvested Forest - Grass Regeneration* | *0.00377* |
| 30 | *Agriculture - Hay/pasture* | *0.003092* |
| 31 | *Westside Douglas-fir or Madrone* | *0.003036* |

## Appendix- Keys Codes and Source Information

Latitude: Degrees north of the equator measured in Degrees Minutes Seconds (DMS), Degrees and decimal minutes, and decimal degrees.

Longitude: Degrees west of Greenwich measured in Degrees Minutes Seconds (DMS), Degrees and decimal minutes, and decimal degrees.

Legal: The Public Land Survey System (PLS), Willamette Baseline and Meridian, quarter quarter section, township, and range.

Elevation: The approximate elevation, derived from the 10 meter Digital Elevation Models (DEM).

County: The county in Oregon.

Public Ownership: The generalized public ownership.

Fire Protection District: The Oregon Department of Forestry Fire Protection district.

USGS Quad Name and #: The USGS 7.5 minute quadrangle and "Ohio" code, composed of the 1 degree block, row & column numbers.

Watershed (10 Digit HUC): The Hydrologic Unit Code (HUC), formerly known as the 5$^{th}$ field HUC.

Sub-watershed (12 Digit HUC): The Hydrologic Unit (HUC), formerly known as the 6$^{th}$ field HUC.

Fire Weather Zone: The Oregon Department of Forestry fire weather zone.

Regulated Use: The Oregon Department of Forestry regulated use code.

Rainfall: The approximate rainfall range, derived from Oregon Climate Service PRISM.

Wildlife Management Unit: The Oregon Department of Fish and Wildlife (ODFW) Wildlife management unit.

Magnetic Declination 2009: The magnetic declination for 2009.

Maidenhead Locator Grid Square: An instrument of the *Maidenhead Locator System* (named after the town outside London where it was first conceived by a meeting of European VHF managers in 1980), a grid square measures 1° latitude by 2° longitude and measures approximately 70 × 100 miles in the continental US. A grid square is indicated by two letters (the *field*) and two numbers (the *square*). This is a service of ARRL - The National Association for Amateur Radio .

*The information presented is believed to be true and correct; however, it is not warranted or certified for accuracy. Neither ODF, ORBIC or Oregon Explorer shall not be liable for errors contained herein or for incidental consequential damages in connection with the use of this material. Any use or re-use of this information will be at the user's own risk.*

*2014*

# Biodiversity Report

45.6449°N, -121.9448°W

Biodiversity data provided by the Oregon Biodiversity Information Center

FEDERAL STATUS

| | |
|---|---|
| LE | Listed as an Endangered Species |
| LT | Listed as a Threatened Species |
| PE | Proposed as an Endangered Species |
| PT | Proposed as a Threatened Species |
| C | Candidate for Listing as Threatened or Endangered |
| SOC | Species of Concern - Taxa for which additional information is needed to support a proposal to list under the ESA |

STATE STATUS - ANIMALS

| | |
|---|---|
| LE | Listed as an Endangered Species |
| LT | Listed as a Threatened Species |
| PE | Proposed as an Endangered Species |
| PT | Proposed as a Threatened Species |
| SC | Sensitive - Critical |
| SV | Sensitive - Vulnerable |

RANKS

| | |
|---|---|
| G1 | Critically imperiled throughout its range |
| G2 | Imperiled throughout its range |
| G3 | Rare, threatened or uncommon throughout its range |
| G4 | Not rare, apparently secure throughout its range |
| G5 | Widespread, abundant and secure throughout its range |
| S1 | Critically imperiled in Oregon |
| S2 | Imperiled in Oregon |
| S3 | Rare, threatened or uncommon in Oregon |
| S4 | Not rare, apparently secure in Oregon |
| S5 | Widespread, abundant and secure in Oregon |
| T | Rank for a subspecies, variety, or race |
| Q | Taxonomic questions |
| H | Historic, formerly part of the native biota with the implied expectation that it may be rediscovered |
| X | Presumed extirpated or extinct |
| U | Unknown rank |
| NR | Not yet ranked |
| B | Rank of the breeding population (migratory birds) |
| N | Rank of the wintering population (migratory birds |

MIGRATION STATUS

| | |
|---|---|
| M | Summer resident |
| W | Winter resident |
| F | Spring/Fall resident |
| Y | Year-round resident |
| U | Unknown residency |

| | |
|---|---|
| SC | Seasonal resident and confirmed breeder |
| SP | Seasonal resident and probable breeder |
| S? | Seasonal resident and possible breeder |
| SH | Seasonal resident and current nonbreeder, historic breeder |
| SN | Seasonal resident and nonbreeder |
| YC | Year-round resident and confirmed breeder |
| YP | Year-round resident and probable breeder |
| Y? | Year-round resident and possible breeder |
| YH | Year-round resident and current non-breeder, historic breeder |
| YN | Year-round resident and nonbreeder |
| T | Transient |

**elcode** – a NatureServe derived 10 digit code unique to every species found in North America.

**sname** – Scientific name of the species as recognized in Oregon.

**scomname** – The common name of the species or the ecological system, as recognized in Oregon.

**relative_abundance** – Relative abundance is an area weighted ratio, comparing the amount of the species or

ecological system within the subwatershed (12 digit HUC) to the amount of that species within all of the watershed in an Oregon Department of Forestry Ecosection. Values greater than 1 indicate the species is more prevalent at this site than at most other sites where it occurs.

*Relative Abundance = ((Area of Species in a Subwatershed/Area of Species in Ecosection)/(Total area of the Subwatershed/Total area of all Subwatersheds in the ecosection with the species present))*

**conservation_priority_index** - "To describe the change in vertebrate distributions caused by anthropocentric changes in Oregon over the last century, we evaluate both the loss of habitat, and how well the current and historic range of the species is protected.... These [values] range from negative to positive, with the species most in need of attention having larger negative values, and those most secure having large positive values."

Dennis White Index: "Denis White of the Environmental Protection Agency lab in Corvallis recommended the ... index which allows for weighting of how well areas are protected and how much habitats have been lost. Denis noted that additive indices often work better than multiplicative ones. Values for this index range from positive to negative 1."

*Conservation Priority Index (Dennis White) = (1-((current habitat - currently protected habitat)/(current habitat))) + ((current habitat)/(current habitat + currently protected habitat))*

*Source: Kagan, J.S., J.C. Hak, B. Csuti, C.W. Kiilsgaard, and E.P. Gaines. 1999. Oregon Gap Analysis Project Final Report: A geographic approach to planning for biological diversity. Oregon Natural Heritage Program, Portland, Oregon. 72 pp. + appendices.*

**g_rank** – The global rank of a species, a value from 1 – 5, representing the risk of extinction for every species throughout their entire range on earth, with 1 = Critically imperiled, 2 = imperiled, 3 = threatened, 4 = probably secure and 5 = demonstrably secure.

**s_rank** – The state rank of the species, a value from 1 – 5, representing the risk of extirpation for every species throughout their entire range in Oregon, with 1 = Critically imperiled, 2 = imperiled, 3 = threatened, 4 = probably secure and 5 = demonstrably secure.

**fed_status** – the status of a species under the U.S. Endangered Species Act, if any. Values include LE = Listed Endangered, LT = Listed Threatened, C = Candidate, and SOC = Species of Concern. A PS: before a value means partial status, generally indicating status for portions of the distribution in the state.

**state_status** – the status of a species under the Oregon Endangered Species Act. Values include LE = Listed Endangered and LT = Listed Threatened for all species (plants and animals). In addition, for animals, ODFW includes a SV status indicating the species is on their sensitive species list as "vulnerable" or SC as "sensitive critical". For plants, ODA lists C = Candidate, species considered for potential listing.

**strategy_species** – any species identified in the Oregon Conservation Strategy as a strategy species.

**odf_indicator** – Is this a Department of Forestry forest health indicator species? Y = yes.

**FPA**- Species protected under the Oregon Forest Practices Act

**watershed_cd** – the 12 digit code for the sub-watershed (also known as the HUC code for hydrologic unit code).

**occurrence_status_cd** – represents the confidence that the species can be found in the watershed - Probable,

possible and confident

**origin_status_cd** – Is the species native or introduced in Oregon? N = Native, I = introduced.

**migrant_status_cd** – This is the migratory status, with M meaning the species is migratory and is a summer resident, breeding in Oregon, Y meaning it occurs year around, and W meaning the species only winters in Oregon. Less commonly, F = spring or fall residents only, and U means residency status is unknown.

**update_year** – is the year the species status has been updated in this watershed.

**wildlife_viewer_url** – a link to the wildlife viewer Oregon Explorer page for the species.

**habitat_map_pdf** – a link to the current Oregon habitat distribution map on the Oregon Explorer.