



APPENDIX D

Regionally Important Ecosystem Resources

November 2014



The tables in this appendix list habitats and species of conservation concern that have been identified in the Plan area. As discussed in the Final SEIS (Section 4.5, Ecosystems) three information sources were used to develop these tables: the Natural Heritage Program (DNR 2014b), the Priority Habitats and Species program (WDFW 2014), and the Willamette Valley-Puget Trough-Georgia Basin Ecoregional Assessment (TNC 2011b). Table D-1, Table D-2, and Table D-3 list the names of high-quality ecosystems, priority habitats, and priority conservation areas that are depicted in the Section 4.5 figures. Table D-4 and Table D-5 list the names of rare plants and priority species that have been documented in the Plan area. To protect sensitive species, these locations are not depicted in the Section 4.5 figures.

Table D-1. Natural Heritage Program high-quality ecosystems in the Plan area

Low Elevation Freshwater Wetland
Low Elevation Sphagnum Bog
Low Elevation Riparian Wetland
Douglas-fir—Pacific Madrone/Salal Forest
Western Hemlock—(Western Redcedar)/Devil's-club/Swordfern Forest
Oregon White Oak/Long-stolon Sedge—Common Camas Woodland
Bigleaf Maple/Salmonberry Forest
Red Alder/Salmonberry Forest
Douglas' Spirea Shrubland
Roemer's Fescue—White-topped Aster Herbaceous Vegetation
Oregon White Oak/Roemer's Fescue Wooded Herbaceous Vegetation
Broad-leaf Cattail Western Herbaceous Vegetation
Douglas-fir—Western Hemlock/Evergreen Huckleberry Forest
Douglas-fir/Beaked Hazel/Swordfern Forest
Western Hemlock—(Western Redcedar—Red Alder)/Skunkcabbage—Lady Fern Forest
Oregon White Oak—(Oregon Ash)/Common Snowberry Forest
Bigleaf Maple—Red Alder/Swordfern—Fringecup Community Forest
Ponderosa Pine/Long-stolon Sedge—Roemer's Fescue Woodland
Oregon White Oak/Common Snowberry/Long-stolon Sedge Woodland
Black Cottonwood—Bigleaf Maple/Common Snowberry Forest
Oregon Ash—(Black Cottonwood)/Red-osier Dogwood Forest
Oregon Ash/Common Snowberry Forest
Black Cottonwood—Bigleaf Maple/Scouring-rush Forest
Bog Labrador-tea—Bog-laurel/Sphagnum Spp. Shrubland
Douglas-fir—Western Hemlock/Salal/Swordfern Forest

Source: DNR 2014b

Table D-2. Washington State Department of Fish and Wildlife priority habitats in the Plan area

Biodiversity areas and corridors
Cliffs/bluffs
Estuarine zones
Islands
Lagoons
Oak woodlands
Shorebird concentration areas
Waterfowl concentration areas
Cavity-nesting duck breeding areas

Source: WDFW 2014

Table D-3. Ecoregional assessment priority conservation areas in the Plan area

Priority conservation area
Carbon River
Carbon River Plateau
Cougar Mountain
East Fork Issaquah Creek
Edmonds Point
Fort Lewis—McChord
Green River
Issaquah Creek
Nisqually
Puyallup River Riparian
Redondo
Seola Beach, Burien
Sequalitchew Marshes
Solo Point—Farrell Marsh
The Narrows
Weir Prairie and Forest
White River Riparian

Source: TNC 2011b

Table D-4. Washington Natural Heritage Program rare plants documented in the Plan area

Common name	Scientific name	Federal status	State status
Puget balsamroot	<i>Balsamorhiza deltoidea</i>	none	Review Group 2
Vancouver Island beggar-ticks	<i>Bidens amplissima</i>	none	Review Group 1
Vancouver ground-cone	<i>Boschniakia hookeri</i>	none	Review Group 1
bristly sedge	<i>Carex comosa</i>	none	Sensitive
golden chinquapin	<i>Chrysolepis chrysophylla</i> var. <i>chrysophylla</i>	none	Sensitive
Nuttall's waterweed	<i>Elodea nuttallii</i>	none	Review Group 1
Oregon goldenaster	<i>Heterotheca oregona</i> var. <i>oregona</i>	none	Threatened
water howellia	<i>Howellia aquatilis</i>	Threatened	Threatened
Canadian St. John's-wort	<i>Hypericum majus</i>	none	Sensitive
Torrey's peavine	<i>Lathyrus torreyi</i>	Species of Concern	Threatened
bog clubmoss	<i>Lycopodiella inundata</i>	none	Sensitive
blue toadflax	<i>Nuttallanthus texanus</i>	none	Sensitive
white-top aster	<i>Sericocarpus rigidus</i>	Species of Concern	Sensitive
Scouler's catchfly	<i>Silene scouleri</i> ssp. <i>scouleri</i>	none	Sensitive
small-flowered trillium	<i>Trillium parviflorum</i>	none	Sensitive
giant chain fern	<i>Woodwardia fimbriata</i>	none	Sensitive

Source: DNR 2014b

Table D-5. Washington Department of Fish and Wildlife priority species documented in the Plan area

Common name	Scientific name	Federal status	State status
Fish			
Bull trout	<i>Salvelinus confluentus</i>	Threatened	Candidate
Chinook salmon	<i>Oncorhynchus tshawytscha</i>	Threatened	Candidate
Chum salmon	<i>Oncorhynchus keta</i>	none	Candidate
Coastal resident cutthroat trout	<i>Oncorhynchus clarki clarki</i>	none	none
Coho salmon	<i>Oncorhynchus kisutch</i>	Species of Concern	none
Kokanee salmon	<i>Oncorhynchus nerka</i>	none	none
Pink salmon	<i>Oncorhynchus gorbuscha</i>	None	none
Rainbow trout	<i>Oncorhynchus mykiss</i>	None	none
Sockeye salmon	<i>Oncorhynchus nerka</i>	None	none
Steelhead	<i>Oncorhynchus mykiss</i>	Threatened	Candidate
Mammals			
Townsend's big-eared Bat	<i>Corynorhinus townsendii</i>	Species of Concern	Candidate
Big brown bat	<i>Eptesicus fuscus</i>	none	none
California myotis	<i>Myotis californicus</i>	none	none
Western long-eared bat	<i>Myotis evotis</i>	Species of Concern	Monitored
Keen's long-eared bat	<i>Myotis evotis keenii</i>	none	Candidate
Little brown myotis	<i>Myotis lucifugus</i>	none	none
Long-legged myotis	<i>Myotis volans</i>	Species of Concern	Monitored
Yuma myotis	<i>Myotis yumanensis</i>	none	none
Roy Prairie (Mazama) pocket gopher	<i>Thomomys mazama glacialis</i>	Threatened	Threatened
Western gray squirrel	<i>Sciurus griseus</i>	Species of Concern	Threatened
Pacific fisher	<i>Martes pennanti</i>	Candidate	Endangered
California sea lion	<i>Zalophus californianus</i>	none	none
Harbor seal	<i>Phoca vitulina</i>	none	Monitored
Elk	<i>Cervus elaphus</i>	none	none
Birds			
Marbled murrelet	<i>Brachyramphus marmoratus</i>	Threatened	Threatened
Great blue heron	<i>Ardea herodias</i>	none	Monitored
Common loon	<i>Gavia immer</i>	none	Sensitive
Northern goshawk	<i>Accipiter gentilis</i>	Species of Concern	Candidate
Bald eagle	<i>Haliaeetus leucocephalus</i>	Species of Concern	Sensitive
Osprey	<i>Pandion haliaetus</i>	none	Monitored
Merlin	<i>Falco columbarius</i>	none	none
Peregrine falcon	<i>Falco peregrinus</i>	Species of Concern	Sensitive
Mountain quail	<i>Oreortyx pictus</i>	none	none
Band-tailed pigeon	<i>Columba fasciata</i>	none	none
Yellow-billed cuckoo	<i>Coccyzus americanus</i>	Proposed Threatened	Candidate
Vaux's swift	<i>Chaetura vauxi</i>	none	Candidate

Table D-5. Washington Department of Fish and Wildlife priority species documented in the Plan area (continued)

Common name	Scientific name	Federal status	State status
Pileated woodpecker	<i>Dryocopus pileatus</i>	none	Candidate
Streaked horned lark	<i>Eremophila alpestris strigata</i>	Threatened	Endangered
Oregon vesper sparrow	<i>Pooecetes gramineus affinis</i>	Species of Concern	Candidate
Purple martin	<i>Progne subis</i>	none	Candidate
Slender-billed white-breasted nuthatch	<i>Sitta carolinensis aculeata</i>	Species of Concern	Candidate
Amphibians and Reptiles			
Western toad	<i>Anaxyrus boreas</i>	Species of Concern	Candidate
Oregon spotted frog	<i>Rana pretiosa</i>	Threatened	Endangered
Pacific pond turtle	<i>Actinemys marmorata</i>	Species of Concern	Endangered
Butterflies			
Mardon skipper	<i>Polites mardon</i>	none	Endangered
Taylor's checkerspot	<i>Euphydryas editha taylori</i>	Endangered	Endangered

Source: WDFW 2014