



Operations and Maintenance Facility South

ATTACHMENT G3-6

Wetland, Stream, and Habitat Photographs



Photograph 1 Wetland WL148.67L in Kent (Photo source: Anchor 2019)



Photograph 2 Wetland WFW-1 along East Fork Hylebos Creek facing southwest, 10/9/2019



Photograph 3 Southern portion of Wetland WFW-1 facing east, 10/10/2019



Photograph 4 Southern portion of Wetland WFW-1 after storm event facing northwest, 10/18/2019



Photograph 5 Wetland WFW-2 facing east, 10/16/2019



Photograph 6 Northern portion of Wetland WFW-2 near culvert under South 336th Street facing south, 10/16/2019



Photograph 7 Wetland WFW-3 along East Fork Hylebos Creek facing north, 10/18/2019



Photograph 8 Wetland WFW-4 facing northeast, 10/22/2019



Photograph 9 Wetland WFW-4 facing northwest, 10/22/2019



Photograph 10 Wetland WFW-5 facing southeast, 10/23/2019



Photograph 11 Wetland WFW-5 facing south, 10/23/2019



Photograph 12 Wetland WFW-5 facing southeast, 10/23/2019



Photograph 13 PSS Wetland WFW-6, 10/10/2019



Photograph 14 PFO component of Wetland WFW-7 photographed from East Fork Hylebos Creek Tributary 0016A facing upstream, 11/6/2019



Photograph 15 PSS component of Wetland WFW-7 photographed from East Fork Hylebos Creek Tributary 0016A facing west, 11/4/2019



Photograph 16 Wetland WFW-8 photographed from south end of wetland. East Fork Hylebos Creek Tributary 0016A flows through constructed facility with wetlands on both sides of the channel with PEM wetland sections on west side and PSS sections on the east, 11/4/2019



Photograph 17 Wetland WFW-8 photographed from north end of constructed facility, East Hylebos flows through the middle of the wetland north to south, 11/19/2019



Photograph 18 PSS component of Wetland WFW9 within ordinary high water mark of East Fork Hylebos tributary 0016a, 11/06/2019



Photograph 19 PFO portion of Wetland WFW10 Unit B, 11/14/2019



Photograph 20 PFO component of Wetland WFW-11 facing northeast, 11/14/2019



Photograph 21 PEM component of Wetland WFW-11 facing west toward 24th Avenue S, 11/01/2019



Photograph 22 Southern view of Wetland WFW-12 depicting PEM, PSS, and PFO Cowardin plant communities, 12/18/2019



Photograph 23 PSS Wetland WFW-13 facing north, 11/26/2019



Photograph 24 PEM Wetland WFW-14 facing south, 12/03/2019



Photograph 25 Wetland WFW-16, facing east, 3/2/2020



Photograph 26 Wetland WFW-17 facing west, 12/19/2019



Photograph 27 Wetland WFW-17 facing southeast, 12/19/2019



Photograph 28 Wetland WFW-18 facing southeast, 12/19/2019



Photograph 29 Typical channel conditions of East Fork Hylebos Creek Tributary 0016A at headwaters in Belmor Park Golf Course, facing downstream, 11/06/2019



Photograph 30 Typical channel conditions of East Fork Hylebos Creek Tributary 0016A at headwaters looking upstream from culvert beneath Burning Tree Boulevard, 11/04/2019



Photograph 31 Looking at East Fork Hylebos Creek Tributary 0016A in stormwater facility downstream of Buring Tree Boulevard in Belmor Park Golf Course, 11/19/2019



Photograph 32 Channel conditions of East Fork Hylebos Creek Tributary 0016A in stormwater facility in Belmor Park Golf Course, 11/19/2019



Photograph 33 Typical channel conditions of East Fork Hylebos Creek Tributary 0016A between Belmor Park Golf Course and South 330th Street, 11/06/2019



Photograph 34 Typical channel conditions of East Fork Hylebos Creek Tributary 0016A between Belmor Park Golf Course and South 330th Street, 11/14/2019



Photograph 35 Typical channel conditions of East Fork Hylebos Creek Tributary 0016A between South 330th Street to South 333rd Street, 11/14/2019



Photograph 36 Typical channel conditions of East Fork Hylebos Creek Tributary 0016A through residential area between South 330th Street and South 333rd Street, 12/05/2019



Photograph 37 Typical channel conditions of East Fork Hylebos Creek Tributary 0016A through residential area between South 333rd Street and South 336th Street, 12/05/2019



Photograph 38 Typical channel conditions of East Fork Hylebos Creek Tributary 0016A through residential area between South 333rd Street and South 336th Street, 12/05/2019



Photograph 39 East Fork Hylebos Creek Tributary 0016A as it flows into wetland (WFW-1) through residential area between South 336th Street and South 344th Street, 10/22/2019



Photograph 40 Riffle habitat in East Fork Hylebos Creek Tributary 0016A between South 336th Street and South 344th Street looking upstream, 10/22/2019



Photograph 41 Typical channel conditions of East Fork Hylebos Creek Tributary 0016A through residential area between South 336th Street and South 344th Street, 10/22/2019



Photograph 42 Typical channel conditions of East Fork Hylebos Creek Tributary 0016A through residential area between South 336th Street and South 344th Street, 10/22/2019



Photograph 43 East Fork Hylebos Creek Tributary 0016A between South 344th Street and southbound I-5 to SR 18, facing upstream, 12/19/2019



Photograph 44 Commercial cover type at South 336th Street Site Alternative dominated by invasive species such as Himalayan blackberry and English ivy



Photograph 45 Residential cover type near South 344th and 336th Street Site Alternatives vegetated with mowed lawn, Himalayan blackberry, and Douglas fir



Photograph 46 Grassland cover type at South 344th Street Site Alternative dominated by fescues, velvetgrass, and bluegrass



Photograph 47 Invasive brush cover type at Midway Landfill Site Alternative dominated by Himalayan blackberry



Photograph 48 Native forest cover type at South 336th Street Site Alternative dominated by Hooker's willow, Douglas fir and Western red cedar



Photograph 49 Non-native forest cover type at South 336th Street Site Alternative dominated by volunteer honey locust



Photograph 50 Stream channel cover type: East Fork Hylebos Creek Tributary 0016A between S 336th Street and S 344th Street



Photograph 51 Storm water pond cover type at South 336th Site Alternative dominated by cattail, smart weed, rushes, and sedges



Photograph 52 Wetland cover type near South 344th and 336th Street Site Alternatives, showing a forested cover class



ATTACHMENT G3-7

Common and Scientific Names of Plant and Animal Species

Animals

Common Name	Scientific Name	Common Name	Scientific Name
Fish		Hooded Merganser	<i>Lophodytes cucullatus</i>
Bull Trout	<i>Salvelinus confluentus</i>	House Sparrow	<i>Passer domesticus</i>
Chinook Salmon	<i>Oncorhynchus tshawytscha</i>	Marbled Murrelet	<i>Brachyramphus marmoratus</i>
Chum Salmon	<i>Oncorhynchus keta</i>	Meadow Vole	<i>Microtus pennsylvanicus</i>
Coho Salmon	<i>Oncorhynchus kisutch</i>	Myotis (Mouse-eared) Bats	<i>Myotis</i> spp.
Coastal Cutthroat Trout	<i>Oncorhynchus clarki clarki</i>	North American Wolverine	<i>Gulo gulo</i>
Pink Salmon	<i>Oncorhynchus gorbuscha</i>	Northern Flicker	<i>Colaptes auratus</i>
Sculpin	<i>Cottus</i> spp.	Northern Harrier	<i>Circus cyaneus</i>
Sockeye Salmon	<i>Oncorhynchus nerka</i>	Oregon Vesper Sparrow	<i>Poecetes gramineus affinis</i>
Steelhead/Rainbow Trout	<i>Oncorhynchus mykiss</i>	Pileated Woodpecker	<i>Dryocopus pileatus</i>
Western Brook Lamprey	<i>Lampetra richardsoni</i>	Raccoon	<i>Procyon lotor</i>
Wildlife		Red-breasted Nuthatch	<i>Sitta canadensis</i>
American Crow	<i>Corvus brachyrhynchos</i>	Red-tailed Hawk	<i>Buteo jamaicensis</i>
American Kestrel	<i>Falco sparverius</i>	Rock Pigeon	<i>Columba livia</i>
American Robin	<i>Turdus migratorius</i>	Savannah Sparrow	<i>Passerculus sandwichensis</i>
Band-tailed Pigeon	<i>Patagioenas fasciata</i>	Sharp-shinned Hawk	<i>Accipiter striatus</i>
Barn Swallow	<i>Hirundo rustica</i>	Song Sparrow	<i>Melospiza melodia</i>
Barrow's Goldeneye	<i>Bucephala islandica</i>	Spotted Towhee	<i>Pipilo maculatus</i>
Bewick's Wren	<i>Thryomanes bewickii</i>	Steller's Jay	<i>Cyanocitta stelleri</i>
Big brown Bat	<i>Eptesicus fuscus</i>	Streaked Horned Lark	<i>Eremophila alpestris strigata</i>
Black-capped Chickadee	<i>Poecile atricapillus</i>	Swallowtail Butterfly	<i>Papilio</i> spp.
Brant	<i>Branta bernicla</i>	Townsend's Big-eared Bat	<i>Corynorhinus townsendii</i>
Cliff Swallow	<i>Petrochelidon pyrrhonota</i>	Townsend's Mole	<i>Scapanus townsendii</i>
Common Goldeneye	<i>Bucephala clangula</i>	Trumpeter Swan	<i>Cygnus buccinator</i>
Common Loon	<i>Gavia immer</i>	Tundra Swan	<i>Cygnus columbianus</i>
Cooper's Hawk	<i>Accipiter cooperii</i>	Vaux's Swift	<i>Chaetura vauxi</i>
Coyote	<i>Canis latrans</i>	Virginia Opossum	<i>Didelphis virginiana</i>
Deer (Black-tailed)	<i>Odocoileus hemionus columbianus</i>	Voles	<i>Microtus</i> spp.
Eastern Gray Squirrel	<i>Sciurus carolinensis</i>	Western Grebe	<i>Aechmophorus occidentalis</i>
Ensatina	<i>Ensatina eschscholtzii</i>	Western Toad	<i>Anaxyrus boreas</i>
European Starling	<i>Sturnus vulgaris</i>	White-crowned Sparrow	<i>Zonotrichia leucophrys</i>
Gray Wolf	<i>Canis lupus</i>	Wood Duck	<i>Aix sponsa</i>
Great Blue Heron	<i>Ardea herodias</i>	Yellow-billed Cuckoo	<i>Coccyzus americanus</i>
Great Horned Owl	<i>Bubo virginianus</i>		

Plants

Common Name	Scientific Name ^a	Common Name	Scientific Name ^a
American Vetch	<i>Vicia americana</i>	Kentucky Bluegrass	<i>Poa pratensis</i>
Austrian Pine	<i>Pinus nigra</i>	Lady Fern	<i>Athyrium filix-femina</i> ssp. <i>cyclosorum</i> (syn: <i>A. cyclosorum</i> ^c)
Beaked Hazelnut	<i>Corylus cornuta</i>	Lombardy Poplar	<i>Populus nigra</i>
Bentgrass	<i>Agrostis</i> sp.	Norway Maple	<i>Acer platanoides</i>
Bigleaf Maple	<i>Acer macrophyllum</i>	Orange-eye Butterfly-bush	<i>Buddleja davidii</i>
Bird Cherry	<i>Prunus avium</i>	Oregon Ash	<i>Fraxinus latifolia</i>
Black Cottonwood	<i>Populus trichocarpa</i> (syn: <i>P. balsamifera</i> ssp. <i>trichocarpa</i> <i>trichocarpa</i> ^b ; <i>P. balsamifera</i> ^c)	Osoberry	<i>Oemleria cerasiformis</i>
Bluegrass	<i>Poa</i> sp.	Pacific Madrone	<i>Arbutus menziesii</i>
Bermuda grass	<i>Cynodon dactylon</i>	Pacific Willow	<i>Salix lasiandra</i> (syn: <i>S. lucida</i> ssp. <i>lasiandra</i> ^b)
St. John's-wort	<i>Hypericum perforatum</i>	Red Alder	<i>Alnus rubra</i>
Cattail	<i>Typha latifolia</i>	Red Elderberry	<i>Sambucus racemosa</i>
Colonial Bentgrass	<i>Agrostis capillaris</i>	Red Fescue	<i>Festuca rubra</i>
Common Rush	<i>Juncus effusus</i>	Red-osier Dogwood (also, Red Twig Dogwood	<i>Cornus occidentalis</i> (syn: <i>C. sericea</i> ^b , <i>C. alba</i> ^c)
Common Snowberry	<i>Symphoricarpos albus</i>	Reed Canarygrass	<i>Phalaris arundinacea</i>
Common Spikerush	<i>Eleocharis palustris</i>	Salal	<i>Gaultheria shallon</i>
Common Velvetgrass	<i>Holcus lanatus</i>	Salmonberry	<i>Rubus spectabilis</i>
Creeping Buttercup	<i>Ranunculus repens</i>	Scotch Broom	<i>Cytisus scoparius</i>
Cutleaf Blackberry (also, Evergreen Blackberry)	<i>Rubus laciniatus</i>	Scouler's Willow	<i>Salix scouleriana</i>
Douglas-fir	<i>Pseudotsuga menziesii</i>	Shore Pine	<i>Pinus contorta</i>
Douglas Spiraea (also, Hardhack, Rose Spiraea)	<i>Spiraea douglasii</i>	Sitka Spruce	<i>Picea sitchensis</i>
English Ivy	<i>Hedera helix</i>	Sitka Willow	<i>Salix sitchensis</i>
Eurasian Water Milfoil	<i>Myriophyllum spicatum</i>	Slough Sedge	<i>Carex obnupta</i>
European Hawthorn	<i>Crataegus monogyna</i>	Soft-stem Bulrush	<i>Schoenoplectus tabernaemontani</i>
European Mountain Ash	<i>Sorbus aucuparia</i>	Sword Fern	<i>Polystichum munitum</i>
Giant Horsetail	<i>Equisetum telmateia</i>	Swamp Smartweed	<i>Persicaria hydropiperoides</i>
Golden Paintbrush	<i>Castilleja lewisii</i>	Tall fescue	<i>Schedonorus arundinaceus</i>
Grand Fir	<i>Abies grandis</i>	Twinberry	<i>Lonicera involucrata</i>
Himalayan Blackberry	<i>Rubus bifrons</i> (syn: <i>R. armeniacus</i> ^{b, c})	Violet	<i>Viola</i> sp.
Black Locust	<i>Robinia pseudoacacia</i>	Vine Maple	<i>Acer circinatum</i>
Hooker's Willow	<i>Salix hookeriana</i>	Western Redcedar	<i>Thuja plicata</i>
		Willow	<i>Salix</i> sp.

^aSource: Hitchcock, C., A. Cronquist, J. Janish, J. Rumely, C. Shin, and N. Porcino. 2018. Flora of the Pacific Northwest: An illustrated manual (D. Giblin, B. Legler, P. Zika, and R. Olmstead, eds.). Seattle: University of Washington Press.

^bUSDA (U.S. Department of Agriculture), NRCS (Natural Resources Conservation Service). 2016. The PLANTS database (<http://plants.usda.gov>, February 14, 2020). National Plant Data Team, Greensboro, NC.

^cLichvar, R.W., D.L. Banks, W.N. Kirchner, and N.C. Melvin. 2016. The national wetland plant list: 2016 wetland ratings. Phytoneuron 30: 1-17.