

## Appendix A

### Upper Middle Mainstem Columbia River Subbasin Plan

#### Known High Quality or Rare Plant Communities and Wetland Ecosystems

**Table 1** Known high quality or rare plant communities and wetland ecosystems of the UMM Subbasin, WA.

SCIENTIFIC NAME	COMMON NAME
<i>Abies amabilis</i> - <i>Tsuga mertensiana</i> cover type	Pacific silver fir - mountain hemlock forest
<i>Abies amabilis</i> / <i>Achlys triphylla</i> forest	Pacific silver fir / vanillaleaf
<i>Abies amabilis</i> cover type	Pacific silver fir forest
<i>Abies grandis</i> / <i>Acer circinatum</i> forest	Grand fir / vine maple
<i>Abies lasiocarpa</i> / <i>Calamagrostis rubescens</i> forest	Subalpine fir / pinegrass
<i>Abies lasiocarpa</i> / <i>Ledum glandulosum</i> forest	Subalpine fir / glandular labrador-tea
<i>Abies lasiocarpa</i> / <i>Rhododendron albiflorum</i> woodland	Subalpine fir / cascade azalea
<i>Abies lasiocarpa</i> / <i>Vaccinium scoparium</i> forest	Subalpine fir / grouseberry
<i>Abies lasiocarpa</i> cover type	Subalpine fir forest
<i>Abies procera</i> cover type	Noble fir forest
<i>Acer circinatum</i> cover type	Vine maple shrubland
<i>Alnus viridis</i> ssp. <i>Sinuata</i> shrubland (provisional)	Sitka alder

SCIENTIFIC NAME	COMMON NAME
Artemisia arbuscula / Festuca idahoensis dwarf-shrub herbaceous vegetation	Low sagebrush / Idaho fescue
Artemisia rigida / Poa secunda dwarf-shrub herbaceous vegetation	Stiff sagebrush / Sandberg's bluegrass
Artemisia rigida cover type	Stiff sagebrush shrubland
Artemisia tridentata / Festuca idahoensis shrub herbaceous vegetation	Big sagebrush / Idaho fescue
Artemisia tridentata cover type	Big sagebrush shrubland
Artemisia tridentata ssp. Wyomingensis / pseudoroegneria spicata shrub herbaceous vegetation	Wyoming big sagebrush / bluebunch wheatgrass
Artemisia tridentata ssp. Wyomingensis / stipa comata shrubland	Wyoming big sagebrush / needle-and-thread
Artemisia tripartita / Festuca campestris shrub herbaceous vegetation	Threetip sagebrush / rough fescue
Artemisia tripartita / Festuca idahoensis shrub herbaceous vegetation	Threetip sagebrush / Idaho fescue
Artemisia tripartita / Pseudoroegneria spicata shrub herbaceous vegetation	Threetip sagebrush / bluebunch wheatgrass
Artemisia tripartita / Stipa comata shrub herbaceous vegetation	Threetip sagebrush / needle-and-thread
Betula occidentalis / Cornus sericea shrubland	Water birch / red-osier dogwood
Betula occidentalis cover type	Water birch forest
Carex cover type	Sedge spp. Grassland
Carex scopulorum herbaceous vegetation	Holm's rocky mountain sedge
Carex utriculata herbaceous vegetation	Northwest territory sedge
Crataegus douglasii / Rosa woodsii	Black hawthorn / Wood's rose

SCIENTIFIC NAME	COMMON NAME
Danthonia intermedia herbaceous vegetation	Timber oatgrass
Distichlis spicata herbaceous vegetation	Saltgrass
Dryas octopetala dwarf-shrub herbaceous vegetation	Eight petal mountain-avens
Eleocharis palustris intermittently flooded herbaceous vegetation	Creeping spikerush
Elymus lanceolatus - Stipa comata herbaceous vegetation	Streamside wildrye - needle-and-thread
Eriogonum thymoides / Poa secunda dwarf-shrub herbaceous vegetation	Thyme buckwheat / Sandberg's bluegrass
Festuca idahoensis - Eriogonum heracleoides herbaceous vegetation	Idaho fescue - parsnip-flower buckwheat
Grayia spinosa / Poa secunda shrubland	Spiny hopsage / sandberg's bluegrass
Inland saline wetland cb	Inland saline wetland cb
Larix lyallii association	Subalpine larch community
Larix occidentalis cover type	Western larch forest
Leymus cinereus - Distichlis spicata herbaceous vegetation	Great basin wildrye - saltgrass
Philadelphus lewisii intermittently flooded shrubland	Mock orange
Picea engelmannii - Abies lasiocarpa cover type	Engelmann spruce - subalpine fir forest

SCIENTIFIC NAME	COMMON NAME
Picea engelmannii / Equisetum arvense forest	Engelmann spruce / field horsetail
Picea engelmannii cover type	Engelmann spruce forest
Pinus albicaulis - Abies lasiocarpa cover type	White-bark pine - subalpine fir forest
Pinus albicaulis cover type	White-bark pine forest
Pinus contorta cover type	Lodgepole pine forest
Pinus monticola cover type	Western white pine forest
Pinus ponderosa - Pseudotsuga menziesii / Pseudoroegneria spicata ssp. Inermis woodland	Ponderosa pine - douglas-fir / bluebunch wheatgrass
Pinus ponderosa - Pseudotsuga menziesii / Purshia tridentata woodland	Ponderosa pine - douglas-fir / bitterbrush
Pinus ponderosa - Pseudotsuga menziesii cover type	Ponderosa pine - douglas-fir forest
Pinus ponderosa / Calamagrostis rubescens forest	Ponderosa pine / pinegrass
Pinus ponderosa / Purshia tridentata woodland	Ponderosa pine / bitterbrush
Pinus ponderosa / Symphoricarpos albus temporarily flooded woodland	Ponderosa pine - common snowberry
Pinus ponderosa cover type	Ponderosa pine forest
Populus tremuloides / Symphoricarpos albus forest	Quaking aspen / common snowberry
Populus tremuloides cover type	Quaking aspen forest

SCIENTIFIC NAME	COMMON NAME
Pseudoroegneria spicata - Festuca Idahoensis Canyon Herbaceous Vegetation	Bluebunch wheatgrass - Idaho fescue canyon
Pseudoroegneria spicata - Poa secunda herbaceous vegetation	Bluebunch wheatgrass - Sandberg's bluegrass
Pseudoroegneria spicata cover type	Bluebunch wheatgrass grassland
Pseudotsuga menziesii - Abies grandis cover type	Douglas-fir - grand fir forest
Pseudotsuga menziesii - Abies lasiocarpa cover type	Douglas-fir - subalpine fir forest
Pseudotsuga menziesii - Tsuga heterophylla cover type	Douglas-fir - western hemlock forest
Pseudotsuga menziesii / Acer circinatum forest	Douglas-fir / vine maple
Pseudotsuga menziesii / Arctostaphylos uva-ursi - purshia tridentata forest	Douglas-fir / kinikinnick - bitterbrush
Pseudotsuga menziesii / Arctostaphylos uva-ursi cascadian forest	Douglas-fir / kinikinnick cascadian forest
Pseudotsuga menziesii / Calamagrostis rubescens forest	Douglas-fir / pinegrass
Pseudotsuga menziesii / Symphoricarpos albus forest	Douglas-fir / common snowberry
Pseudotsuga menziesii cover type	Douglas-fir forest
Purshia tridentata / Festuca idahoensis shrub herbaceous vegetation	Bitterbrush / Idaho fescue
Purshia tridentata / Oryzopsis hymenoides shrubland	Bitterbrush / indian ricegrass
Purshia tridentata / Pseudoroegneria spicata shrub herbaceous vegetation	Bitterbrush / bluebunch wheatgrass
Purshia tridentata / Stipa comata shrub	Bitterbrush / needle-and-thread

SCIENTIFIC NAME	COMMON NAME
Quercus garryana / Carex geyeri woodland	Oregon white oak / Geyer's sedge
Quercus garryana forest (provisional)	Oregon white oak
Rhus glabra / Pseudoroegneria spicata shrub herbaceous vegetation	Smooth sumac / bluebunch wheatgrass
Salix amygdaloides / Salix exigua woodland	Peach-leaf willow / sandbar willow
Salix drummondiana / Carex scopulorum var. Prionophylla shrubland	Drummond's willow / Holm's rocky mountain sedge
Salix planifolia / Carex scopulorum shrubland	Tea-leaf willow / Holm's rocky mountain sedge
Sarcobatus vermiculatus / Distichlis spicata shrubland	Greasewood / saltgrass
Scirpus maritimus herbaceous vegetation	Seacoast bulrush
Sporobolus cryptandrus - Poa secunda herbaceous vegetation	Sand dropseed - Sandberg's bluegrass
Stipa comata cover type	Needle-and-thread grassland
Subalpine freshwater wetland ec	Subalpine freshwater wetland ec
Subalpine riparian wetland ec	Subalpine riparian wetland ec
Thuja plicata - Tsuga heterophylla cover type	Western redcedar - western hemlock forest
Tsuga heterophylla / Mahonia nervosa var. Nervosa forest	Western hemlock / dwarf oregongrape
Tsuga mertensiana - Abies lasiocarpa cover type	Mountain hemlock - subalpine fir community

<b>SCIENTIFIC NAME</b>	<b>COMMON NAME</b>
Vernal pond cb	Vernal pond cb

(WNHP 2003)