

## CLASSIFICATION OF NATIVE VEGETATION OF OREGON – January 2004

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This classification lists the native plant associations known to occur in Oregon, and includes both successional and climax vegetation types that were an important part of the presettlement landscape of Oregon. It serves as an index to the diversity, distribution and relative rarity of the state's native plant associations, and as a guide to their literature. Plant associations are listed by scientific name, followed by common name and acronym. Listings include the global and state rank of each association, the ecoregion in which it occurs, its status as wetland or upland, and references describing the association. A bibliography lists all cited references. The classification is presented in a spreadsheet format, but can also be imported into a database format.

Published and unpublished reports were the primary sources for the classification. Descriptions supported by quantitative data were used whenever possible. Publications from other states or provinces in the Pacific Northwest were used for associations known to occur in, but not described from Oregon. Sampling methods and concepts of species and associations differ greatly among researchers. To accommodate variation occurring in the field, some associations have been lumped

The associations correspond to those listed in the National Vegetation Classification System (NVCS) of Anderson et al. 1998 and Grossman et al. 1998. The NVCS is a hierarchical classification designed to standardize vegetation classification in the United States. It employs a nested system of seven higher-order physiognomic ranks, derived from previous classifications by UNESCO (1973) and Driscoll et al. (1984), and two lower-order floristic ranks. In order to accurately identify or describe one of these plant associations, we recommend reading the written descriptions or keys presented in the references cited for each association. A unified source for descriptions of plant associations is being compiled in the Oregon Natural Heritage Program's Community Characterization Abstract database.

The associations are listed in a table on the following pages. Some of the information is coded, and codes and information are described below. A generalized entry would read as follows:

**Scientific name** uses scientific names of plants to identify plant associations, although the species names are not always dominant in the association. Convention requires that species in different canopy layers are separated by a slash ("/"), while species in the same canopy layer are separated by a hyphen ("-"). If the species in the name are not the dominant species, they signify indicator species or climax dominants. Species nomenclature for vascular plants follows the nationally standardized list of Kartesz (1994), most of which is also followed by the online PLANTS database (USDA, NRCS 1997). Nomenclature for bryophytes follows Stotler and Crandall-Stotler (1977), Anderson (1990), and Anderson et al. (1990).

**Common name** uses common or vernacular names of plants to identify plant associations. Names of the associations are constructed following the same conventions used for scientific names.

**Acronym** is an abbreviated form of the scientific name, used to identify the plant association. It can have up to eight letters, composed of the first three letters of the generic name followed by the first three letters of the species name, followed by the first letter of a variety or subspecies (if necessary), and by a number as a tie-breaker (if necessary).

**Wetland** is the wetland status of association, based on the National Wetland Inventory definitions. Y indicates a wetland type, blank is not a wetland type.

**ELCODE** is the element code, a unique ten-byte alphanumeric code used to identify each plant association. An "element" is a plant, animal or plant association -- elements of natural diversity -- that is tracked according to standard protocols used by all natural heritage programs and conservation data centers in North America.

**Rank** is a code identifying the conservation status of the plant association. It is composed of a global rank ("G") followed by a state rank ("S"). 1 = Critically imperiled because of extreme rarity, with 5 or fewer occurrences or very few remaining acres. 2 = Imperiled because of rarity, with 6-20 occurrences or few remaining acres. 3 = Either very rare and local throughout its range or found locally in a restricted range; uncommon, with 21-100 occurrences. 4 = Apparently secure, though it may be quite rare in parts of its range, especially at the periphery; many occurrences. 5 = Demonstrably secure, though it may be quite rare in parts of its range, especially at the periphery; ineradicable under present conditions. These standardized ranks are used by all natural heritage programs and conservation data centers throughout North America. They are based on the best available information.

**Ecoreg** identifies the ecoregion in which the plant association is known to occur in the state of Oregon. Oregon's ten ecoregions ecoregion is identified by a two-letter code; BM = Blue Mountains, BR = Northern Basin and Range, CB = Columbia Basin, CR = Coast Range, EC = East slope of Cascade Range, KM = Klamath Mountains, WV = Willamette Valley, WC = West slope and crest of Cascade Range.

**References with plot data** cites published and unpublished sources containing some type of summarized plot data that describe the vegetation quantitatively. Some references may not contain quantitative data, but are based on plot data that are not summarized in the report. References are listed in full at the end of the document.

Scientific name	Common name	Acronym	Wetland	ELCODE	Rank	Ecoreg	References with plot data
<i>Abies amabilis</i> / <i>Achyls triphylla</i>	Pacific silver fir / vanillaleaf	ABIAMA / ACHTRI		CEGL000003	G4S4	WC	Dyrness et al. 1974: 44; Franklin et al. 1979 (WA); Henderson et al. 1992: 84 (WA); Atzet et al. 1996: ABAM 8; Klinka et al. 1996: 153 (BC).
<i>Abies amabilis</i> - <i>Abies concolor</i> / <i>Mahonia nervosa</i> var. <i>nervosa</i>	Pacific silver fir - white fir / dwarf Oregon grape	ABIAMA - ABICON / MAHNER		CEGL000216	G3S3	WC, KM	Atzet & McCrimmon 1990: 230.
<i>Abies amabilis</i> - <i>Abies concolor</i> / <i>Maianthemum stellatum</i>	Pacific silver fir - white fir / starry false Solomon's seal	ABIAMA - ABICON / SMISTE		CEGL000215	G4S4	WC	Hemstrom et al. 1987: 98.
<i>Abies amabilis</i> - <i>Tsuga heterophylla</i> / <i>Clintonia uniflora</i>	Pacific silver fir / queencup beadlily	ABIAMA / CLIUNI		CEGL000219	G4S4	WC	Atzet & McCrimmon 1990: 80; Marsh et. al. 1987 p. 64.
<i>Abies amabilis</i> - <i>Tsuga heterophylla</i> / <i>Vaccinium membranaceum</i> / <i>Tiarella trifoliata</i>	Pacific silver fir / thin-leaved blueberry / coolwort foamflower	ABIAMA / VACMEM / TIATRI		CEGL000237	G4S4	WC	Schuller 1978: 46; Atzet & McCrimmon 1990: 109.
<i>Abies amabilis</i> - <i>Tsuga mertensiana</i> / <i>Rhododendron albiflorum</i> / <i>Clintonia uniflora</i>	Pacific silver fir - mountain hemlock / Cascades azalea / queencup beadlily	ABIAMA - TSUMER / RHOALB / CLIUNI		new421	G5S4	WC	Hemstrom et al. 1982: 35; Hemstrom et al. 1987: 120.
<i>Abies amabilis</i> - <i>Tsuga mertensiana</i> / <i>Rhododendron albiflorum</i> / <i>Xerophyllum tenax</i>	Pacific silver fir - mountain hemlock / Cascades azalea / beargrass	ABIAMA - TSUMER / RHOALB / XERTEN		new428	G5S4	WC	Hemstrom et al. 1982:37; Hemstrom et al. 1987:116.
<i>Abies amabilis</i> / <i>Acer circinatum</i>	Pacific silver fir / vine maple	ABIAMA / ACECIR		CEGL000002	G4S4	WC	Dyrness et al. 1974: 21, 29; Hemstrom et al. 1982: 43; Hemstrom et al. 1987: 158; Atzet & McCrimmon 1990: 76.
<i>Abies amabilis</i> / <i>Gaultheria shallon</i> - <i>Rhododendron macrophyllum</i>	Pacific silver fir / salal - western rhododendron	ABIAMA / GAUSHA - RHOMAC		CEGL000222	G4S4	WC	Hemstrom et al. 1982: 49; Hemstrom et al. 1987: 154.
<i>Abies amabilis</i> / <i>Mahonia nervosa</i> var. <i>nervosa</i>	Pacific silver fir / dwarf Oregon grape	ABIAMA / MAHNER		CEGL000217	G4S4	WC	Brockway et al. 1983: 56 (WA); Hemstrom et al. 1982: 53; Hemstrom et al. 1987: 132; Henderson et al. 1992: 86 (WA).
<i>Abies amabilis</i> / <i>Mahonia nervosa</i> var. <i>nervosa</i> - <i>Rhododendron macrophyllum</i>	Pacific silver fir / dwarf Oregon grape - western rhododendron	ABIAMA / MAHNER - RHOMAC		CEGL000218	G4S4	WC	Hemstrom et al. 1982: 55; Hemstrom et al. 1987: 150.
<i>Abies amabilis</i> / <i>Menziesia ferruginea</i>	Pacific silver fir / fool's huckleberry	ABIAMA / MENFER		CEGL000224	G5S4	WC	Brockway et al. 1983: 64 (WA); Hemstrom et al. 1982: 39; Hemstrom et al. 1987: 134
<i>Abies amabilis</i> / <i>Oplonax horridus</i>	Pacific silver fir / devil's club	ABIAMA / OPLHOR	wetland	CEGL000004	G5S3 S4	CR, WC	Franklin et al. 1979 (WA); Hemstrom et al. 1982: 31; Brockway et al. 1983: 62 (WA); Hemstrom et al. 1987: 128; Henderson et al. 1989: 198 (WA); Henderson et al. 1992: 92 (WA); Brockway et al. 1983: 62; Klinka et al. 1996: 153 (BC).
<i>Abies amabilis</i> / <i>Oxalis oregana</i>	Pacific silver fir / wood sorrel	ABIAMA / OXAORE		CEGL000005	G4S4	CR, WC	Hemstrom et al. 1982: 33; Hemstrom et al. 1987: 138; Bigley & Hull 1995: 25 (WA); McCain & Diaz 2001a: ABAM 2.
<i>Abies amabilis</i> / <i>Rhododendron macrophyllum</i>	Pacific silver fir / western rhododendron	ABIAMA / RHOMAC		CEGL000227	G4S4	WC	Hemstrom et al. 1982: 47, 57; Hemstrom et al. 1987: 146.
<i>Abies amabilis</i> / <i>Tiarella trifoliata</i>	Pacific silver fir / coolwort foamflower	ABIAMA / TIATRI		CEGL000007	G4S4	WC	Dyrness et al. 1974: 48; Brockway et al. 1983: 61 (WA); Hemstrom et al. 1982: 41; Hemstrom et al. 1987: 124; Henderson et al. 1992: 100 (WA); Klinka et al. 1996: 153 (BC).
<i>Abies amabilis</i> / <i>Vaccinium alaskaense</i> - <i>Mahonia nervosa</i> var. <i>nervosa</i>	Pacific silver fir / Alaska blueberry - dwarf Oregon grape	ABIAMA / VACALA - BERNEV		CEGL000232	G5S3	WC	Brockway et al. 1983: 60 (WA); Hemstrom et al. 1982: 51; Hemstrom et al. 1987: 105; Henderson et al. 1992: 104 (WA).
<i>Abies amabilis</i> / <i>Vaccinium alaskaense</i> / <i>Cornus canadensis</i>	Pacific silver fir / Alaska blueberry / bunchberry	ABIAMA / VACALA / CORCAN		CEGL000233	G4S4	WC	Dyrness et al. 1974: 43; Hemstrom et al. 1982: 45; Hemstrom et al. 1987: 102; Bigley & Hull 1995: 23, 24 (WA).
<i>Abies amabilis</i> / <i>Vaccinium membranaceum</i> / <i>Achyls triphylla</i>	Pacific silver fir / thin-leaved blueberry / vanillaleaf	ABIAMA / VACMEM / ACHTRI		new1	G4S4	WC	Atzet et al. 1996: ABAM 6,10.
<i>Abies amabilis</i> / <i>Vaccinium membranaceum</i> / <i>Clintonia uniflora</i>	Pacific silver fir / thin-leaved blueberry / queencup beadlily	ABIAMA / VACMEM / CLIUNI		CEGL000235	G4S4	WC	Brockway et al. 1983: 65 (WA); Hemstrom et al. 1982: 59; Hemstrom et al. 1987: 112;.
<i>Abies amabilis</i> / <i>Vaccinium membranaceum</i> / <i>Rubus lasiococcus</i>	Pacific silver fir / thin-leaved blueberry / dwarf bramble	ABIAMA / VACMEM / RUBLAS		CEGL000236	G4S4	WC	Willaims 1978: 74; Atzet & McCrimmon 1990: 71.
<i>Abies amabilis</i> / <i>Vaccinium membranaceum</i> / <i>Xerophyllum tenax</i>	Pacific silver fir / thin-leaved blueberry / beargrass	ABIAMA / VACMEM / XERTEN		CEGL000239	GUSU	WC	Dyrness et al. 1974: 38; Brockway et al. 1983: 66 (WA); Hemstrom et al. 1982: 61; Hemstrom et al. 1987: 108; Henderson et al. 1992: 130 (WA).
<i>Abies amabilis</i> / <i>Vaccinium scoparium</i>	Pacific silver fir / grouseberry	ABIAMA / VACSOC		CEGL000238	G4S4	WC	Williams 1978: 76; Schuller 1978: 46.
<i>Abies amabilis</i> / <i>Xerophyllum tenax</i>	Pacific silver fir / beargrass	ABIAMA / XERTEN		CEGL000239	G4S4	WC	Brockway et al. 1983: 66 (in part; WA); Hemstrom et al. 1982: 61 (in part); Hemstrom et al. 1987: 108 (in part); Marsh et. al. 1987 p. 62..
<i>Abies concolor</i> - <i>Abies x shastensis</i> / <i>Achyls triphylla</i>	white fir - Shasta red fir / vanillaleaf	ABICON - ABIMAGS / ACHTRI		CEGL000031	G3S3	KM, WC	Atzet & Wheeler 1984: 54; Atzet et al. 1996: ABCO 14.
<i>Abies concolor</i> - <i>Abies x shastensis</i> / <i>Chimaphila umbellata</i>	white fir - Shasta red fir / prince's-pine	ABICON - ABIMAGS / CHIUMB		CEGL000030	G3S3	WC, EC	Atzet & McCrimmon 1990: 224: ABCO-ABMAS/CHUM-ANDE; Hopkins 1979b: ____ : ABMAS-ABCO/CACH-CHUM/CAPE5

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Abies concolor - Abies x shastensis / Quercus sadleriana	white fir - Shasta red fir / Sadler Oak	ABICON - ABIMAGS / QUESAD		CEGL000032	G3S3	KM	Atzet & Wheeler 1984: 55; Atzet et al. 1996: ABCO 12.
Abies concolor - Abies x shastensis / Symphoricarpos hesperius	white fir - Shasta red fir / creeping snowberry	ABICON - ABIMAGS / SYMHES		CTUBACAS01	G3S3	KM	Atzet & Wheeler 1984: 27, 56.
Abies concolor - Calocedrus decurrens / Mahonia nervosa var. nervosa	white fir - incense cedar / dwarf Oregongrape	ABICON - CALDEC / MAHNER		new370	GUSU	KM	Atzet & McCrimmon 1990: 284.
Abies concolor - Pinus contorta ssp. latifolia / Carex inops ssp. inops - Achnatherum occidentale	white fir - lodgepole pine / long-stolon sedge - western needlegrass	ABICON - PINCONL / CARINO - ACHOCC		CEGL000256	G3S3	EC	Hopkins 1979a: 30.
Abies concolor - Pinus lambertiana - Pinus ponderosa / Arctostaphylos patula - Mahonia repens	white fir - sugar pine - ponderosa pine / greenleaf manzanita - creeping Oregongrape	ABICON - PINPON / ARCPAT - MAHREP		CEGL000017	G3S3	EC	Hopkins 1979a: 32, 33.
Abies concolor - Pinus monticola / Ribes viscosissimum	white fir - western white pine / sticky currant	ABICON - PINMON / RIBVIS		CEGL000260	G3S3	EC	Hopkins 1979a: 35.
Abies concolor - Pinus ponderosa / Amelanchier alnifolia	white fir - ponderosa pine / serviceberry	ABICON - PINPON / AMAALN		CTWBACCA01	G2S2	EC	Hopkins 1979a: 34.
Abies concolor - Pinus ponderosa / Ceanothus velutinus	white fir - ponderosa pine / snowbrush	ABICON - PINPON / CEAVEL		CEGL000258	G3S3	EC	Volland 1976: 68, 69, 70, 71; Hopkins 1979b: 17, 18.
Abies concolor - Pinus ponderosa / Purshia tridentata	white fir - ponderosa pine / bitterbrush	ABICON - PINPON / PURTRI		CEGL000259	G3S3	EC	Smith 1994: 108; Volland 1976: 70.
Abies concolor - Pinus ponderosa / Symphoricarpos spp.	white fir - ponderosa pine / snowberry	ABICON - PINPON / SYMPHO		CEGL000018	G3S3	KM, EC	Hopkins 1979a: 31; Atzet & Wheeler 1984: 76.
Abies concolor - Pseudotsuga menziesii / Holodiscus discolor	white fir - Douglas-fir / oceanspray	ABICON - PSEMEN / HOLDIS		CEGL000021	G4S4	KM	Atzet & Wheeler 1984: 75, 213.
Abies concolor - Pseudotsuga menziesii / Mahonia aquifolium)	white fir - Douglas-fir / Piper Oregongrape	ABICON - PSEMEN / MAHAQU		CEGL000020	G4S4	KM	Atzet & Wheeler 1984: 73, 214; Atzet & McCrimmon 1990: 289.
Abies concolor - Pseudotsuga menziesii / Mahonia nervosa var. nervosa	white fir - Douglas-fir / dwarf Oregongrape	ABICON - PSEMEN / MAHNER		CEGL000019	G4S4	KM	Atzet & Wheeler 1984: 65, 68 (in part), 71 (in part).
Abies concolor - Pseudotsuga menziesii / Rhododendron macrophyllum	white fir - Douglas-fir / western rhododendron	ABICON - PSEMEN / RHOMAC		new406	G4S4	WC, KM	unpublished
Abies concolor - Pseudotsuga menziesii / Whipplea modesta	white fir - Douglas-fir / whipplevine	ABICON - PSEMEN / WHIMOD		CEGL000022	G3S3	KM	Mitchell & Moir 1976: 50.
Abies concolor - Tsuga heterophylla / Acer circinatum	white fir - western hemlock / vine maple	ABICON - THSHET / ACECIR		CEGL000029	G3S3	WC	Mitchell & Moir 1976: 50; Atzet & McCrimmon 1990: 236, 252.
Abies concolor / Acer glabrum	white fir / Rocky Mountain maple	ABICON / ACEGLA		CEGL000240	G5S4	WC, KM	Atzet & Wheeler 1984: 70; Atzet & McCrimmon 1990: 260.
Abies concolor / Amelanchier alnifolia - Corylus cornuta	white fir / serviceberry - hazel	ABICON / AMAALN - CORCOR		CEGL000011	G3S3	WC, KM	Atzet & McCrimmon 1990: 276.
Abies concolor / Amelanchier alnifolia / Anemone deltoidea	white fir / serviceberry / threeleaf anemone	ABICON / AMAALN / ANEDEL		CEGL000010	G4S3	WC, KM	Atzet & McCrimmon 1990: 264.
Abies concolor / Arctostaphylos nevadensis	white fir / pinemat manzanita	ABICON / ARCNEV		new85	G2S2	KM	Atzet et al. 1996.
Abies concolor / Ceanothus velutinus	white fir / snowbrush	ABICON / CEAVEL		CEGL000246	G3S3	EC	Dyrness 1960: 106; Dyrness & Youngberg 1966: 126; Volland 1976: 67, 68.
Abies concolor / Chimaphila umbellata	white fir / prince's-pine	ABICON / CHIUMB		CEGL000015	G3S3	KM, WC, EC	McNeil 1975: 76; McNeil & Zobel 1980: 33; Atzet & McCrimmon 1990: 272.
Abies concolor / Chrysolepis chrysophylla var. chrysophylla	white fir / golden chinquapin	ABICON / CASCHR		CEGL000245	G3S3	EC	Hopkins 1979b: 20; Atzet & Wheeler 1984: 68 (in part).
Abies concolor / Linnaea borealis	white fir / twinflower	ABICON / LINBOR		new388	GUSU	EC, WC	Mitchell & Moir 1976: 50; Titus et al. 1998.
Abies concolor / Mahonia nervosa var. nervosa	white fir / dwarf Oregongrape	ABICON / MAHNER		CEGL000012	G3S3	WC, KM	Atzet & Wheeler 1984: 69, 71 (in part); Atzet & McCrimmon 1990: 268.
Abies concolor / Mahonia nervosa var. nervosa - Gaultheria shallon	white fir / dwarf Oregongrape - salal	ABICON / MAHNER - GAUSHA		CEGL000013	G3S3	WC, KM	Atzet & McCrimmon 1990: 256.
Abies concolor / Quercus sadleriana	white fir / Sadler oak	ABICON / QUESAD		CEGL000023	G4S4	KM	Atzet & Wheeler 1984: 57, 58, 59, 60.
Abies concolor / Rhus diversiloba	white fir / poison oak	ABICON / RHUDIV		CEGL000212	G4S4	KM	Atzet & McCrimmon 1990: 280.
Abies concolor / Ribes lacustre	white fir / swamp gooseberry	ABICON / RIBLAC	wetland	new100	GUSU	EC	Titus et al. 1998.
Abies concolor / Rubus nivalis	white fir / snow dewberry	ABICON / RUBNIV		CEGL000024	G3S3	KM, WC	Atzet & McCrimmon 1990: 240.

Scientific name	Common name	Acronym	Wetland	ELCODE	Rank	Ecoreg	References with plot data
<i>Abies concolor</i> / <i>Maianthemum stellatum</i>	white fir / starry false Solomon's seal	ABICON / SMISTE		CEGL000025	G3S3	KM	Atzet & Wheeler 1984: 71.
<i>Abies concolor</i> / <i>Symphoricarpus albus</i>	white fir / common snowberry	ABICON / SYMALB		CEGL000026	G3S3	EC	Hopkins 1979b: 19.
<i>Abies concolor</i> / <i>Symphoricarpus mollis</i>	white fir / creeping snowberry	ABICON / SYMMOL		CEGL000027	G4S4	KM, WC, EC	McNeil 1975: 72; Hopkins 1979a: 31; McNeil & Zobel 1980: 33; Atzet & Wheeler 1984: 77.
<i>Abies concolor</i> / <i>Taxus brevifolia</i>	white fir / Pacific yew	ABICON / TAXBRE		CEGL000028	G3S2	KM, WC	Atzet & Wheeler 1984: 66.
<i>Abies concolor</i> / <i>Vaccinium membranaceum</i>	white fir / thin-leaved blueberry	ABICON / VACMEM		CEGL000264	G3S3	WC, KM	Atzet & McCrimmon 1990: 244, 248.
<i>Abies grandis</i> - <i>Acer macrophyllum</i> / <i>Acer circinatum</i> - <i>Corylus cornuta</i>	grand fir - bigleaf maple / vine maple - hazelnut	ABIGRA - ACEMAC / ACECIE - CORCON		new355	G2S2	WV	Hawk 1973: 50 (in part).
<i>Abies grandis</i> - <i>Acer macrophyllum</i> / <i>Symphoricarpos albus</i>	grand fir - bigleaf maple / snowberry	ABIGRA - ACEMAC / SYMALB		CEGL000519	G3S2	WV	unpublished
<i>Abies grandis</i> - <i>Picea engelmannii</i> / <i>Maianthemum stellatum</i>	grand fir - Engelmann spruce / starry false Solomon's seal	ABIGRA - PICENG / SMISTE		CEGL000278	G3S3	EC	Topik et al. 1988: 107.
<i>Abies grandis</i> - <i>Pseudotsuga menziesii</i> / <i>Lithocarpus densiflorus</i> / <i>Polystichum munitum</i>	grand fir - Douglas-fir / tanoak / sword fern	ABIGRA - PSEMEN / LITDEN / POLMUN		new483	G1S1	CR	unpublished
<i>Abies grandis</i> - <i>Taxus brevifolia</i>	grand fir - Pacific yew	ABIGRA - TAXBRE		CEGL000283	G2S2	BM	Johnson & Simon 1987: 286; Johnson & Clausnitzer 1992: 51, 53; Clausnitzer 1993: 8; Titus et al. 1998.
<i>Abies grandis</i> - <i>Thuja plicata</i> / <i>Achyls triphylla</i>	grand fir - western red cedar / vanillaleaf	ABIGRA - THUPLI / ACHTRI		CEGL000284	G2S2	EC	Topik et al. 1988: 115.
<i>Abies grandis</i> - <i>Thuja plicata</i> / <i>Lysichiton americanus</i>	grand fir - western red cedar / skunk cabbage	ABIGRA - THUPLI / LYSAME	wetland	new102	GUSU	WC	Diaz & Mellen 1996: 31
<i>Abies grandis</i> - <i>Tsuga heterophylla</i> / <i>Clintonia uniflora</i>	grand fir - western hemlock / queencup beadlily	ABIGRA - TSUHET / CLIUNI		CEGL000286	G4S2	EC	Topik et al. 1988: 111.
<i>Abies grandis</i> - <i>Tsuga heterophylla</i> / <i>Polystichum munitum</i>	grand fir - western hemlock / sword fern	ABIGRA - TSUHET / POLMUN		CEGL000287	G2S2	WV, WC	unpublished
<i>Abies grandis</i> / <i>Acer circinatum</i>	grand fir / vine maple	ABIGRA / ACECIR		CEGL000266	G3S3	CR, EC, WC	Topik et al. 1988: 91.
<i>Abies grandis</i> / <i>Acer circinatum</i> / <i>Polystichum munitum</i>	grand fir / vine maple / sword fern	ABIGRA / ACECIR / POLMUN		new	G3S3	CR, WC, WV	McCain & Diaz 2001a: ABGR 16; McCain & Diaz 2001b: ABGR 30+G431.
<i>Abies grandis</i> / <i>Acer glabrum</i>	grand fir / Rocky Mountain maple	ABIGRA / ACEGLA	wetland	CEGL000267	G3S3	BM	Steele et al. 1981: 54 (ID); Johnson & Simon 1987: 310; Johnson & Clausnitzer 1992: 55; Clausnitzer 1993: 27; Crowe & Clausnitzer 1997: 58; Titus et al. 1998.
<i>Abies grandis</i> / <i>Achyls triphylla</i>	grand fir / vanillaleaf	ABIGRA / ACHTRI		CEGL000268	G3S3	EC	Topik et al. 1988: 95.
<i>Abies grandis</i> / <i>Arctostaphylos uva-ursi</i>	grand fir / kinnikinnick	ABIGRA / ARCUVA		new	G2S2	WC	McCain & Diaz 2001b: ABGR 5.
<i>Abies grandis</i> / <i>Asarum caudatum</i>	grand fir / wild ginger	ABIGRA / ASACAU		CEGL000269	G4S3	BM	Cooper et al. 1991: 61 (ID); Johnson & Clausnitzer 1992: 47.
<i>Abies grandis</i> / <i>Athyrium filix-femina</i>	grand fir / lady fern	ABIGRA / ATHFIL	wetland	CEGL000270	G3Q	BM	Crowe & Clausnitzer 1997: 58
<i>Abies grandis</i> / <i>Athyrium filix-femina</i> - <i>Senecio triangularis</i>	grand fir / lady fern - arrowleaf groundsel	ABIGRA / ATHFIL - SENTRI	wetland	new101	GUSU	BM	Crowe & Clausnitzer 1997: 54; Titus et al. 1998.
<i>Abies grandis</i> / <i>Bromus vulgaris</i>	grand fir / Columbia brome	ABIGRA / BROVUL		CEGL002601 (CTXBAG00B1)	G4S3	BM	Hall 1973: 37; Johnson & Clausnitzer 1992: 67.
<i>Abies grandis</i> / <i>Calamagrostis rubescens</i>	grand fir / pinegrass	ABIGRA / CALRUB		CEGL000916	G4S3	BM	Hall 1973: 32, 33; Steele et al. 1981: 50 (ID); Johnson & Simon 1987: 320; Topik 1989: 49 (WA); Johnson & Clausnitzer 1992: 71; Clausnitzer 1993: 159.
<i>Abies grandis</i> / <i>Carex geyeri</i>	grand fir / elk sedge	ABIGRA / CARGEY		CEGL000917	G3S3	EC, BM	Willaims 1978: 51; Topik et al. 1988: 71; Topik 1989: 53 (WA); Johnson & Clausnitzer 1992: 73; Clausnitzer 1993: 176.
<i>Abies grandis</i> / <i>Chimaphila umbellata</i>	grand fir / prince's-pine	ABIGRA / CHIUMB		new	G3S3	WC	McCain & Diaz 2001b: ABGR 26.
<i>Abies grandis</i> / <i>Chrysolepis chrysophylla</i> var. <i>chrysophylla</i>	grand fir / golden chinquapin	ABIGRA / CASCHR		CEGL000038	G2S2	EC	Topik et al. 1988: 99.
<i>Abies grandis</i> / <i>Clintonia uniflora</i>	grand fir / queencup beadlily	ABIGRA / CLIUNI		CEGL000272	G5S3	BM	Steele et al. 1981: 58 (ID); Johnson & Simon 1987: 279; Cooper et al. 1991: 63 (ID); Johnson & Clausnitzer 1992: 57; Clausnitzer 1993: 46.
<i>Abies grandis</i> / <i>Coptis occidentalis</i>	grand fir / goldthread	ABIGRA / COPOCC		CEGL000273	G2S1	BM	Steele et al. 1981: 58 (ID); Johnson & Simon 1987: 308.
<i>Abies grandis</i> / <i>Corylus cornuta</i> / <i>Vancouveria hexandra</i>	grand fir / hazelnut / inside-out flower	ABIGRA / CORCOR / VANHEX		new	G2S2	WV	McCain & Diaz 2001a: ABGR 26.

Scientific name	Common name	Acronym	Wetland	ELCODE	Rank	Ecoreg	References with plot data
<i>Abies grandis</i> / <i>Gymnocarpium dryopteris</i>	grand fir / oak fern	ABIGRA / GYMDRY	wetland	new345	GUSU	BM	Johnson & Clausnitzer 1992: 45; Crowe & Clausnitzer 1997: 56.
<i>Abies grandis</i> / <i>Holodiscus discolor</i>	grand fir / oceanspray	ABIGRA / HOLDIS		CEGL000274	G3S3	EC	Topik et al. 1988: 75; Topik 1989: 61 (WA).
<i>Abies grandis</i> / <i>Holodiscus discolor</i> / <i>Polystichum munitum</i>	grand fir / oceanspray / sword fern	ABIGRA / HOLDIS / POLMUN		new	G3S3	CR, WC, WV	McCain & Diaz 2001a: ABGR 11; McCain & Diaz 2001B: ABGR 15.
<i>Abies grandis</i> / <i>Linnaea borealis</i>	grand fir / twinflower	ABIGRA / LINBOR		CEGL000275	G5S3	BM, EC	Hall 1973: 37; Cole 1977: 67; Ganskopp 1979: 84; Steele et al. 1981: 54 (ID); Cole 1982: 9; Johnson & Simon 1987: 298; Topik et al. 1988: 87; Cooper et al. 1991: 68 (ID); Johnson & Clausnitzer 1992: 59; Clausnitzer 1993: 66.
<i>Abies grandis</i> / <i>Mahonia nervosa</i>	grand fir / dwarf Oregongrape	ABIGRA / MAHNER-		new	G3S3	WC	McCain & Diaz 2001b: ABGR 21.
<i>Abies grandis</i> / <i>Mahonia nervosa</i> - <i>Gaultheria shallon</i>	grand fir / dwarf Oregongrape - salal	ABIGRA / MAHNER - GAUSHA		new	G3S3	CR, WC, WV	McCain & Diaz 2001a: ABGR 5; McCain & Diaz 2001b: ABGR 9.
<i>Abies grandis</i> / <i>Orthilia secunda</i>	grand fir / one-sided wintergreen	ABIGRA / ORTSEC		CEGL000079	G3S3	EC	Williams 1978: 58.
<i>Abies grandis</i> / <i>Paxistima myrsinites</i>	grand fir / Oregon boxwood	ABIGRA / PAXMYR		new2	G3S3	BM	Head 1959: 29; Daubenmire & Daubenmire 1968: 26 (WA); Williams 1978: 55; Ganskopp 1979: 89.
<i>Abies grandis</i> / <i>Physocarpus malvaceus</i>	grand fir / ninebark	ABIGRA / PHYMAL		CEGL000277	G3S3	BM	Johnson & Simon 1987: 325; Cooper et al. 1991: 71 (ID).
<i>Abies grandis</i> / <i>Polemonium pulcherrimum</i>	grand fir / skunk-leaved polemonium	ABIGRA / POLPUL		CEGL000039	G3S3	EC	Williams 1978: 58 (in part); Topik et al. 1988: 103.
<i>Abies grandis</i> / <i>Ribes lacustre</i>	grand fir / swamp gooseberry	ABIGRA / RIBLAC	wetland	new386	GUSU	EC	Titus et al. 1998.
<i>Abies grandis</i> / <i>Senecio triangularis</i>	grand fir / arrowleaf groundsel	ABIGRA / SENTRI	wetland	CTXBAG00S1	G3S3	EC	Cooper et al. 1991: 60 (ID); Titus et al. 1998.
<i>Abies grandis</i> / <i>Spiraea betulifolia</i>	grand fir / birchleaf spiraea	ABIGRA / SPIBET		CEGL000281	G3S2	BM	Steele et al. 1981: 52 (ID); Johnson & Simon 1987: 315; Cooper et al. 1991: 72 (ID); Johnson & Clausnitzer 1992: 69; Clausnitzer 1993: 141.
<i>Abies grandis</i> / <i>Symphoricarpos albus</i>	grand fir / common snowberry	ABIGRA / SYMALB	wetland	CEGL000282	G4S3	BM, EC	Topik et al. 1988: 79; Crowe & Clausnitzer 1997: 60; Titus et al. 1998.
<i>Abies grandis</i> / <i>Toxicodendron diversilobum</i>	grand fir / poison oak	ABIGRA / TOXDIV		new	G2S2	WV	McCain & Diaz 2001a: ABGR 21.
<i>Abies grandis</i> / <i>Trautvetteria carolinensis</i>	grand fir / false bugbane	ABIGRA / TRACAR	wetland	CEGL000285	G3S3	BM	Johnson & Clausnitzer 1992: 49
<i>Abies grandis</i> / <i>Trientalis latifolia</i>	grand fir / starflower	ABIGRA / TRILAT		CEGL000040	G3S3	EC	Topik et al. 1988: 83.
<i>Abies grandis</i> / <i>Vaccinium membranaceum</i>	grand fir / thin-leaved blueberry	ABIGRA / VACMEM		CEGL000290	G4S4	BM	Hall 1973: 39; Cole 1977: 82; Johnson & Simon 1987: 290; Johnson & Clausnitzer 1992: 61; Clausnitzer 1993: 87; Titus et al. 1998.
<i>Abies grandis</i> / <i>Vaccinium scoparium</i>	grand fir / grouseberry	ABIGRA / VACSCO		CEGL000292	G4S4	BM	Hall 1973: 39; Johnson & Clausnitzer 1992: 63, 65; Clausnitzer 1993: 125.
<i>Abies lasiocarpa</i> / <i>Phyllodoce empetriformis</i>	subalpine fir / pink mountain-heather	ABILAS / PHYEMP		CEGL000920	G4S4	BM	Head (1959) : 34. (as ABLAS-PIEN/PHEM)
<i>Abies lasiocarpa</i> - <i>Pseudotsuga menziesii</i> / <i>Acer circinatum</i> lava flow	subalpine fir - Douglas-fir / vine maple lava flow	ABILAS - PSEMEN / ACECIR		CEGL000921	G4S4	WC, EC	Roach 1952.
<i>Abies lasiocarpa</i> / <i>Athyrium filix-femina</i>	subalpine fir / lady fern	ABILAS / ATHFIL	wetland	CWWA000002	G3S3	BM	Crowe & Clausnitzer 1997: 34, Kovalchik 1992: 64 (WA), Titus et al. 1998.
<i>Abies lasiocarpa</i> / <i>Calamagrostis canadensis</i>	subalpine fir / bluejoint reedgrass	ABILAS / CALCAN	wetland	new4	G4S4	BM, EC	Steele et al. 1981: 61 (ID); Steele et al. 1983: 45 (ID, WY); Cooper et al. 1991: 46 (ID); Crowe & Clausnitzer 1997: 38; Titus et al. 1998.
<i>Abies lasiocarpa</i> / <i>Calamagrostis rubescens</i>	subalpine fir / pinegrass	ABILAS / CALRUB		CEGL000301	G5S3	BM	Steele et al. 1981: 76 (ID); Steele et al. 1983: 57 (ID, WY); Johnson & Simon 1987: 276.
<i>Abies lasiocarpa</i> / <i>Carex aquatilis</i>	subalpine fir / aquatic sedge	ABILAS / CARAQUA	wetland	new103	G4S4	BM	Crowe & Clausnitzer 1997: 38.
<i>Abies lasiocarpa</i> / <i>Carex geyeri</i>	subalpine fir / elk sedge	ABILAS / CARGEY		CTNBAL00C3	G5S4	BM	Hall 1973: 42; Steele et al. 1981: 76 (ID); Steele et al. 1983: 59 (ID, WY); Johnson & Clausnitzer 1992: 37.
<i>Abies lasiocarpa</i> / <i>Clintonia uniflora</i>	subalpine fir / queencup beadlily	ABILAS / CLIUNI		CEGL000307	G5S4	BM	Steele et al. 1981: 65 (ID); Johnson & Simon 1987: 262; Cooper et al. 1991: 50 (ID); Johnson & Clausnitzer 1992: 27.
<i>Abies lasiocarpa</i> / <i>Linnaea borealis</i>	subalpine fir / twinflower	ABILAS / LINBOR		CEGL000315	G5S4	BM	Steele et al. 1981: 68 (ID); Steele et al. 1983: 49 (ID, WY); Johnson & Simon 1987: 268; Johnson & Clausnitzer 1992: 29.
<i>Abies lasiocarpa</i> / <i>Menziesia ferruginea</i>	subalpine fir / fools huckleberry	ABILAS / MENFER		CEGL000319	G5S1	BM	Steele et al. 1981: 65 (ID); Steele et al. 1983: 47 (ID, WY); Johnson & Simon 1987: 238; Cooper et al. 1991: 52 (ID); Johnson & Clausnitzer 1992: 31.
<i>Abies lasiocarpa</i> / <i>Paxistima myrsinites</i>	subalpine fir / Oregon boxwood	ABILAS/PAXMYR		CEGL000324	G4	BM	Head (1959)
<i>Abies lasiocarpa</i> / <i>Rhododendron albiflorum</i>	subalpine fir / Cascades azalea	ABILAS / RHOALB		CEGL000330	G4S1	BM, WC?	Johnson & Clausnitzer 1992: 42.
<i>Abies lasiocarpa</i> / <i>Senecio triangularis</i>	subalpine fir / arrowleaf groundsel	ABILAS / SENTRI	wetland	CEGL000334	G4S3	BM, EC	Johnson & Simon 1987: 275; Kovalchik 1992 (WA); Crowe & Clausnitzer 1997: 36, Titus et al. 1998.
<i>Abies lasiocarpa</i> / <i>Thalictrum occidentale</i>	subalpine fir / western meadowrue	ABILAS / THAOCC		CEGL000338	G4S4	BM	Cole 1977: 71; 73, 76; Cole 1982: 10; Steele et al. 1983: 54 (ID, WY).
<i>Abies lasiocarpa</i> / <i>Trautvetteria carolinensis</i>	subalpine fir / false bugbane	ABILAS / TRACAR	wetland	CEGL000339	G3S3	BM	Johnson & Clausnitzer 1992: 25, Kovalchik 1992: 72 (WA); Titus et al. 1998.

Scientific name	Common name	Acronym	Wetland	ELCODE	Rank	Ecoreg	References with plot data
<i>Abies lasiocarpa</i> / <i>Vaccinium membranaceum</i>	subalpine fir / thin-leaved blueberry	ABILAS / VACMEM		CEGL000342	G4S4	BM, EC	Hall 1973: 40; Cole 1977: 79, 80; Cole 1982: 12; Johnson & Simon 1987: 253; Johnson & Clausnitzer 1992: 33.
<i>Abies lasiocarpa</i> / <i>Vaccinium scoparium</i>	subalpine fir / grouseberry	ABILAS / VACSCO		CEGL000344	G5S4	BM	Hall 1973: 41; Cole 1977: 83; Steele et al. 1981: 74 (ID); Cole 1982: 13; Steele et al. 1983: 52 (ID, WY); Johnson & Simon 1987: 244; Cooper et al. 1991: 57 (ID); Johnson & Clausnitzer 1992: 35.
<i>Abies lasiocarpa</i> / <i>Vaccinium uliginosum</i> / <i>Carex scopulorum</i>	subalpine fir / bog blueberry / Holm sedge swamp	ABILAS / VACULI / CARSCO	wetland	new105	GUSU	BM	Crowe & Clausnitzer 1997: 39.
<i>Abies lasiocarpa</i> - <i>Tsuga mertensiana</i> / <i>Luina stricta</i>	subalpine fir - mountain hemlock / tongue-leaf luina	ABILAS - TSUMER / LUISTR		new provisional	GUSU	EC	Marsh et. Al. 1987, p. 72 (TSME-PICO-ABLA2).
<i>Abies x shastensis</i> - <i>Tsuga mertensiana</i> / <i>Arctostaphylos nevadensis</i>	Shasta red fir - mountain hemlock / pinemat manzanita	ABIMAGS - TSUMER / ARCNEV		CEGL000035	G4S3	EC	Hopkins 1979b: 23.
<i>Abies x shastensis</i> - <i>Tsuga mertensiana</i> / <i>Vaccinium membranaceum</i>	Shasta red fir - mountain hemlock / thin-leaved blueberry	ABIMAGS - TSUMER / VACMEM		new360	G4S3	WC	Atzet & McCrimmon 1990: 47.
<i>Abies x shastensis</i> / <i>Carex inops</i>	Shasta red fir / long-stolon sedge	ABIMAGS / CARINO		CEGL000348	G3S3	EC	Hopkins 1979b: 22.
<i>Abies x shastensis</i> / <i>Elymus glaucus</i>	Shasta red fir / blue wildrye	ABIMAGS / ELYGLA		CTUBAM00E1	G3S3	KM	Atzet & Wheeler 1984: 24.
<i>Abies x shastensis</i> / <i>Polemonium pulcherrimum</i>	Shasta red fir / skunk-leaved polemonium	ABIMAGS / POLPUL		CEGL000036	G3S3	KM	Atzet & Wheeler 1984: 25.
<i>Abies x shastensis</i> / <i>Quercus sadleriana</i>	Shasta red fir / Sadler oak	ABIMAGS / QUESAD		CEGL000034	G3S3	KM	Atzet & Wheeler 1984: 26.
<i>Abies x shastensis</i> / <i>Vaccinium membranaceum</i> / <i>Chimaphila umbellata</i>	Shasta red fir / thin-leaved blueberry / prince's-pine	ABIMAGS / VACMEM / CHIMUMB		CEGL000037	G4S4	WC	Atzet & McCrimmon 1990: 93.; Atzet and others 1996:ABMAS-18
<i>Acer circinatum</i>	vine maple	ACECIR		CWWA000031	G5	CR, KM, WC, WV	Diaz & Mellen 1996: 87; Hemstrom et al. 1987: 262, 263.
<i>Acer circinatum</i> - <i>Alnus incana</i>	vine maple - mountain alder	ACECIR - ALNINC	wetland	CWWA000028	G2G3 S2	EC, WC	Diaz & Mellen 1996: 91.
<i>Acer circinatum</i> / <i>Athyrium filix-femina</i> - <i>Tolmiea menziesii</i>	vine maple / lady fern - youth-on-age	ACECIR / ATHFIL - TOLMEN	wetland	CWWA000030	G5S4	CR, KM, WC, WV	Diaz & Mellen 1996: 95
<i>Acer glabrum</i>	Rocky Mountain maple	ACEGLA		new499	GUSU	BM	Cole 1977: 93; Cole 1982: 16.
<i>Acer glabrum</i> - <i>Cornus sericea</i>	Rocky Mountain maple - creek dogwood	ACEGLA - CORSER	wetland	new612	GUSU	BM	Titus et al. 1998.
<i>Acer glabrum</i> - <i>Crataegus douglasii</i>	Rocky Mountain maple - black hawthorn	ACEGLA - CRADOU	wetland	new611	GUSU	BM, CB	Titus et al. 1998.
<i>Acer glabrum</i> - <i>Physocarpus malvaceus</i>	Rocky Mountain maple - mallow ninebark	ACEGLA - PHYMAL	wetland	new613	GUSU	BM	Titus et al. 1998.
<i>Acer macrophyllum</i> - <i>Alnus rubra</i> / <i>Polystichum munitum</i> - <i>Tellima grandiflora</i>	bigleaf maple - red alder / sword fern - fringeceup	ACEMAC - ALNRUB / POLMUN - TELGRA		CEGL003334	G2G3	WV	unpublished
<i>Acer macrophyllum</i> - <i>Pseudotsuga menziesii</i> / <i>Acer circinatum</i> / <i>Polystichum munitum</i>	bigleaf maple - Douglas-fir / vine maple / sword fern	ACEMAC - PSEMEN / ACECIR / POLMUN		new300	G4S4	CR, WC, WV	Hawk 1973: 57 (in part).
<i>Acer macrophyllum</i> - <i>Pseudotsuga menziesii</i> / <i>Corylus cornuta</i> / <i>Hydrophyllum tenuipes</i>	bigleaf maple - Douglas-fir / hazelnut / Pacific waterleaf	ACEMAC - PSEMEN / CORCOR / HYDTEN		CEGL000517	G2S2	WV, WC	unpublished
<i>Acer macrophyllum</i> - <i>Pseudotsuga menziesii</i> / <i>Umbellularia californica</i> / <i>Polystichum munitum</i>	bigleaf maple - Douglas-fir / California laurel / sword fern	ACEMAC - PSEMEN / UMBCAL / POLMUN		CEGL000518	G3S3	KM	unpublished
<i>Acer macrophyllum</i> - <i>Thuja plicata</i> / <i>Oemleria cerasiformis</i>	bigleaf maple - western red cedar / Indian plum	ACEMAC - THUPLI / OEMCER		new299	G2SU	? in Oregon	unpublished
<i>Acer macrophyllum</i> / <i>Acer circinatum</i>	bigleaf maple / vine maple	ACEMAR / ACECIR	wetland	CEGL000560	G3S3	WV	Titus et al. 1996.
<i>Acer macrophyllum</i> / <i>Carex deweyana</i>	bigleaf maple / Dewey sedge	ACEMAR / CARDEW	wetland	new186	G3S3	WV	Titus et al. 1996.
<i>Acer macrophyllum</i> / <i>Rubus spectabilis</i>	bigleaf maple / salmonberry	ACEMAR / RUBSPE	wetland	CEGL000561	G4S2	WV	Titus et al. 1996.
<i>Acer macrophyllum</i> / <i>Rubus ursinus</i>	bigleaf maple / trailing dewberry	ACEMAR / RUBURS	wetland	new187	G3S3	WV	Titus et al. 1996.
<i>Acer macrophyllum</i> / <i>Symphoricarpos albus</i> / <i>Urtica dioica</i> ssp. <i>gracilis</i>	bigleaf maple / common snowberry / stinging nettle	ACEMAR / SYMALB / URTDIO	wetland	new514	G4S4	WV	Titus et al. 1996.
<i>Acer macrophyllum</i> / <i>Urtica dioica</i> ssp. <i>gracilis</i>	bigleaf maple / stinging nettle	ACEMAR / URTDIO	wetland	new188	G4S4	WV	Titus et al. 1996.
<i>Adiantum pedatum</i>	maidenhair fern	ADIPED	wetland	CWWA000027	G4S4	BM, WC, EC	Diaz & Mellen 1996: 147; Crowe & Clausnitzer 1997: 213.
<i>Agrostis diegoensis</i>	thin bentgrass	AGRDIE	wetland	CEGL001600	GUSU	BM	Hall 1973: 5; Crowe & Clausnitzer 1997: 201.
<i>Allenrolfea occidentalis</i> playa	iodine bush playa	ALLOCC PLAYA	wetland	CEGL000988	G3S2	BR	unpublished
<i>Allium validum</i>	swamp onion meadow	ALLVAL	wetland	new107	GUSU	BM	Crowe & Clausnitzer 1997: 213; Titus et al. 1998; Titus 1998b.

Scientific name	Common name	Acronym	Wetland	ELCODE	Rank	Ecoreg	References with plot data
Allium validum - Carex scopulorum	swamp onion - Holm sedge meadow	ALLVAL - CARSCO	wetland	new517	GUSU	BM	Titus et al. 1998.
Alnus incana - Betula occidentalis	mountain alder - western birch	ALNINC - BETOCC	wetland	CEGL001142	G2G3 S1	BM, BR	Titus et al. 1998.
Alnus incana - Cornus sericea	mountain alder - creek dogwood	ALNINC - CORSER	wetland	CEGL001145	G3S3	BM, BR, EC	McNeil 1975: 85; Manning & Padgett 1991: 163 (NV); Crowe & Causnitzer 1997: 134; Kovalchik 1992: 128 (WA); Moseley 1998: 28 (ID).
Alnus incana - Physocarpus capitatus	mountain alder - Pacific ninebark	ALNINC - PHYCAP	wetland	new610	GUSU	BM, EC	Titus et al. 1998.
Alnus incana - Spiraea douglasii	mountain alder - Douglas spiraea	ALNINC - SPIDOU	wetland	CEGL001152	G3S2	BM, EC	Kovalchik 1987: 71; Kovalchik 1992: 122 (WA).
Alnus incana - Symphoricarpos albus	mountain alder - common snowberry	ALNINC - SYMALB	wetland	CEGL001153	G3S2	BM, EC	Padgett 1981: 57; Kauffman 1982: 60; Kauffman et al. 1985: 17; Kovalchik 1987: 69; Crowe & Causnitzer 1997: 140; Kovalchik 1992: 124 (WA).
Alnus incana - Vaccinium membranaceum	mountain alder - thin-leaved blueberry	ALNINC - VACMEM	wetland	new401	GUSU	BM	Hall 1973: 24.
Alnus incana - Vaccinium ovalifolium	mountain alder - ovalleaf huckleberry	ALNINC - VACOVA	wetland	new108	GUSU	WC	Diaz & Mellen 1996: 99.
Alnus incana / Athyrium filix-femina	mountain alder / lady fern	ALNINC / ATHFIL	wetland	CEGL002628	G3SU	BM	Crowe & Clausnitzer 1997: 130; Kovalchik 1992: 118 (WA).
Alnus incana / Calamagrostis canadensis	mountain alder / bluejoint reedgrass	ALNINC / CALCAN	wetland	CEGL001143	G3S3	BM	Padgett et al. 1989: 51 (in part; ID, UT); Crowe & Causnitzer 1997: 147; Kovalchik 1992: 110 (WA).
Alnus incana / Carex amplifolia	mountain alder / bigleaf sedge	ALNINC / CARAMP	wetland	new608	G4SU	BM	Crowe & Clausnitzer 1997: 126, 128; Kovalchik 1992: 114 (WA).
Alnus incana / Carex angustata	mountain alder / widefruit sedge	ALNINC / CARANG	wetland	new607	GUSU	EC	Titus et al. 1998.
Alnus incana / Carex aquatilis var. aquatilis	mountain alder / water sedge	ALNINC / CARAQUA	wetland	new609	G4SU	BM	Kauffman 1982: 60, 65; Kauffman et al. 1985: 17; Kovalchik 1987: 67, 73, 137; Padgett et al. 1989: 51 (in part; ID, UT); Evenden 1989: 33, 35; Crowe & Clausnitzer 1997: 126, 128, 142, 146; Kovalchik 1992: 114 (WA); Titus et al. 1998.
Alnus incana / Carex pellita	mountain alder / woolly sedge	ALNINC / CARPEL	wetland	new605	GUSU	BM, EC	Titus et al. 1998.
Alnus incana / Carex utriculata	mountain alder / beaked sedge	ALNINC / CARUTR	wetland	new606	GUSU	BM	Crowe & Clausnitzer 1997: 128; Kovalchik 1992: 114 (WA).
Alnus incana / Equisetum arvense	mountain alder / common horsetail	ALNINC / EQUARV	wetland	CEGL001146	G3S3	BM	Crowe & Clausnitzer 1997: 138; Kovalchik 1992: 120 (WA); Padgett et al. 1989: 49 (ID, UT).
Alnus incana / Glyceria striata	mountain alder / fowl mannagrass	ALNINC / GLYSTR	wetland	CWWA000005	GUSU	BM	Kovalchik 1987: 73 (in part); Padgett et al. 1989: 51 (in part; ID, UT); Crowe & Clausnitzer 1997: 116, 132, 148; Kovalchik 1992: 126 (WA).
Alnus incana / Gymnocarpium dryopteris	mountain alder / oak fern	ALNINC / GYMDRY	wetland	new609	GUSU	BM	Crowe & Clausnitzer 1997: 148; Titus et al. 1998.
Alnus incana / Heracleum maximum - Maianthemum stellatum	mountain alder / cow parsnip - starry false Solomon's seal	ALNINC / HERMAX - SMISTE	wetland	CWWA000170	GUSU	BM, EC, BR	Padgett et al. 1989: 50 (ID, UT); Crowe & Causnitzer 1997: 148; Titus et al. 1998.
Alnus incana / mesic forb	mountain alder / mesic forb	ALNINC / MESICFORB	wetland	new31	G3S3	BM	unpublished
Alnus incana / Ribes (hudsonianum - lacustre)	mountain alder - currant (stinking currant - swamp gooseberry)	ALNINC - RIBES(RIBHUD - RIBLAC)	wetland	CEGL001151	GUSU	BM, EC	Kovalchik 1987: 67 (in part); Crowe & Causnitzer 1997: 136.
Alnus incana / Scirpus microcarpus	mountain alder / smallfruited bulrush	ALNINC / SCIMIC	wetland	new608	GUSU	BM, EC, BR	Titus et al. 1998.
Alnus rhombifolia - Salix lucida ssp. caudata	white alder - Pacific willow	ALNRHO - SALLUC	wetland	new519	G4S2	BM, BR, CB	unpublished
Alnus rhombifolia / Amelanchier alnifolia	white alder / serviceberry	ALNRHO / AMAALN	wetland	CEGL000631	G2SU	BM, CB	Miller 1976: 138 (ID).
Alnus rhombifolia / Betula occidentalis	white alder / western birch	ALNRHO / BETOCC	wetland	CEGL000632	G1S1	BM, BR, CB	Daubenmire 1970: 60; Titus et al. 1998.
Alnus rhombifolia / Carex angustata	white alder / widefruit sedge	ALNRHO / CARANG	wetland	new109	GUSU	BM, CB	Titus et al. 1998.
Alnus rhombifolia / Celtis laevigata var. reticulata	white alder / hackberry	ALNRHO / CELLAE	wetland	CEGL000633	G2SU	BM, BR, CB	Miller 1976: 132 (ID).
Alnus rhombifolia / Cornus sericea	white alder / creek dogwood	ALNRHO / CORSER	wetland	new110	GUSU	BM	Moseley 1998: 42 (ID); Titus et al. 1998.
Alnus rhombifolia / Equisetum arvense - Urtica dioica	white alder / common horsetail - stinging nettle	ALNRHO / EQUARV - URTDIO	wetland	new510	GUSU	BM, BR, CB	Titus et al. 1998.
Alnus rhombifolia / Philadelphus lewisii	white alder / mockorange	ALNRHO / PHILEW	wetland	CEGL000634	G1S1	BM, BR, CB	Miller 1976: 136 (ID); Moseley 1998: 19 (ID); Titus et al. 1998.
Alnus rhombifolia / Prunus virginiana	white alder / chokecherry	ALNRHO / PRUVIR	wetland	CEGL000635	G2S1	BM, BR, CB	Miller 1976: 140 (ID).
Alnus rhombifolia / Rosa woodsii	white alder / Wood's rose	ALNRHO / ROSWOO	wetland	CEGL000636	G1S1	BM, BR, CB	Miller 1976: 137 (ID).
Alnus rhombifolia / Symphoricarpos albus	white alder / common snowberry	ALNRHO / SYMALB	wetland	new520	GUSU	BM, BR, CB	Titus et al. 1998.

Scientific name	Common name	Acronym	Wetland	ELCODE	Rank	Ecoreg	References with plot data
<i>Alnus rubra</i> / <i>Acer circinatum</i> / <i>Claytonia sibirica</i>	red alder / vine maple / candyflower	ALNRUB / ACECIR / CLASIB	wetland	CWWA000035	G4G5 S4	CR, WC, WV	Diaz & Mellen 1996: 43; Titus et al. 1996.
<i>Alnus rubra</i> / <i>Athyrium filix-femina</i>	red alder / lady fern	ALNRUB / ATHFIL	wetland	CWWA000171	G1S1	BM	Crowe & Clausnitzer 1997: 100; Titus et al. 1998.
<i>Alnus rubra</i> / <i>Athyrium filix-femina</i> - <i>Lysichiton americanus</i>	red alder / lady fern - skunk cabbage	ALNRUB / ATHFIL - LYSAME	wetland	CWWA000036	G4G5 S3	CR, WC, WV	Henderson 1970: 42; Henderson 1979: 200; Kunze 1994: 32 (WA); Titus et al. 1996.
<i>Alnus rubra</i> / <i>Cornus sericea</i>	red alder / creek dogwood	ALNRUB / CORSER	wetland	new511	GUSU	BM	Crowe & Clausnitzer 1997: 100; Titus et al. 1998.
<i>Alnus rubra</i> / <i>Cornus sericea</i> - westside forb	red alder / creek dogwood - westside forb	ALNRUB / CORSER	wetland	new111	GUSU	WV	Kunze 1994: 32 (WA); Titus et al. 1996.
<i>Alnus rubra</i> / <i>Elymus glaucus</i>	red alder / blue wildrye	ALNRUB / ELYGLA	wetland	CWWA000037	G4S3 S4	CR, WC, WV	Diaz & Mellen 1996: 47, 103; Fonda 1974: 930 (WA).
<i>Alnus rubra</i> / <i>Oplopanax horridus</i> - <i>Rubus spectabilis</i>	red alder / devil's club - salmonberry	ALNRUB / OPLHOR - RUBSPE	wetland	CWWA000038	G4G5 S3	CR, WC	Diaz & Mellen 1996: 51.
<i>Alnus rubra</i> / <i>Oxalis oregana</i>	red alder / Oregon oxalis	ALNRUB / OXAORE	wetland	CWWA000039	G4S4	CR, WC, WV	Diaz & Mellen 1996: 55.
<i>Alnus rubra</i> / <i>Petasites frigidus</i>	red alder / coltsfoot	ALNRUB / PETFRI	wetland	CWWA000040	G4S4	CR, WC, WV	Crowe & Clausnitzer 1997: 100; Diaz & Mellen 1996: 59.
<i>Alnus rubra</i> / <i>Physocarpus capitatus</i>	red alder / Pacific ninebark	ALNRUB / PHYCAP	wetland	CWWA000001	G1S1	BM	Crowe & Clausnitzer 1997: 98; Titus et al. 1998.
<i>Alnus rubra</i> / <i>Polystichum munitum</i>	red alder / sword fern	ALNRUB / POLMUN		new20	GUSU	CR, WC, WV	unpublished
<i>Alnus rubra</i> / <i>Rubus parviflorus</i>	red alder / thimbleberry	ALNRUB / RUBPAR	wetland	CWWA000041	G4S4	CR, WC, WV	Diaz & Mellen 1996: 63.
<i>Alnus rubra</i> / <i>Rubus spectabilis</i>	red alder / salmonberry	ALNRUB / RUBSPE	wetland	CEGL000639	G5S4	CR, WC, WV	Henderson 1970: 42; Kunze 1994: 32 (WA); Diaz & Mellen 1996: 67, 71; Titus et al. 1996.
<i>Alnus rubra</i> / <i>Rubus spectabilis</i> / <i>Carex obnupta</i> - <i>Lysichiton americanus</i>	red alder / salmonberry / slough sedge - skunk cabbage	ALNRUB / RUBSPE / CAROBN - LYSAME	wetland	CWWA000042	G4S4	CR, WC, WV	Henderson 1970: 42; Henderson 1979: 200; Kunze 1994: 98 (WA); Klinka et al. 1996: 153 (in part; BC); Christy et al. 1998: 64; Christy 2001: 10.
<i>Alnus rubra</i> / <i>Stachys ciliata</i> - <i>Tolmiea menziesii</i>	red alder / great betony - youth-on-age	ALNRUB / STACIL - TOLMEN	wetland	CWWA000041	G4S4	CR, WC, WV	Diaz & Mellen 1996: 75, 79.
<i>Alnus rubra</i> / <i>Symphoricarpos albus</i>	red alder / common snowberry	ALNRUB / SYMALB	wetland	new112	G4S3	BM	Crowe & Clausnitzer 1997: 100; Titus et al. 1998.
<i>Alnus rubra</i> / <i>Vaccinium ovalifolium</i> / <i>Trautvetteria carolinensis</i>	red alder / ovalleaf huckleberry / false bugbane	ALNRUB / VACOVA / TRACAR	wetland	new113	G3G4 S3	WC	Diaz & Mellen 1996: 107.
<i>Alnus viridis</i> ssp. <i>sinuata</i> - <i>Acer circinatum</i>	Sitka alder - vine maple	ALNVIR - ACECIR	wetland	CEGL001155	G4G5 SU	WC	del Moral 1973 (WA).
<i>Alnus viridis</i> ssp. <i>sinuata</i> - <i>Oplopanax horridus</i>	Sitka alder - devil's club	ALNVIR - OPLHOR	wetland	CEGL001157	G4G5 S4	BM, WC	Daubenmire & Daubenmire 1968: 50; Williams & Winward 1976: 40; Williams 1978: 83; Hemstrom et al. 1987: 258; Brett et al. 1998: 31 (BC).
<i>Alnus viridis</i> ssp. <i>sinuata</i> - <i>Ribes</i> ( <i>Ribes hudsonianum</i> - <i>Ribes lacustre</i> )	Sitka alder / currant (stinking currant - swamp gooseberry)	ALNVIR - RIBES(RIBHUD - RIBLAC)	wetland	new602	GUSU	BM	Titus et al. 1998.
<i>Alnus viridis</i> ssp. <i>sinuata</i> - <i>Rubus</i> spp.	Sitka alder / blackberry	ALNVIR / RUBUS	wetland	CPQA1ASR01	G4S4	BM	Johnson & Clausnitzer 1992: 148.
<i>Alnus viridis</i> ssp. <i>sinuata</i> / <i>Athyrium filix-femina</i>	Sitka alder / lady fern	ALNVIR / ATHFIL	wetland	CEGL001156	G3G4 S4	BM	Kovalchik 1992: 133, 135 (WA); Crowe & Clausnitzer 1997: 122, 146; Titus et al. 1998.
<i>Alnus viridis</i> ssp. <i>sinuata</i> / <i>Cinna latifolia</i>	Sitka alder / drooping woodreed	ALNVIR / CINLAT	wetland	new604	GUSU	BM	Crowe & Clausnitzer 1997: 124; Titus et al. 1998.
<i>Alnus viridis</i> ssp. <i>sinuata</i> / <i>Glyceria striata</i> - <i>Scirpus microcarpus</i>	Sitka alder / fowl mannagrass - smallfruited bulrush	ALNVIR / GLYSTR - SCIMIC	wetland	new603	GUSU	BM	Titus et al. 1998.
<i>Alnus viridis</i> ssp. <i>sinuata</i> / <i>Rubus spectabilis</i> / <i>Athyrium filix-femina</i>	Sitka alder / salmonberry / lady fern	ALNVIR / RUBSPE / ATHFIL	wetland	CWWA000045	G4G5 S4	BM, WC	Diaz & Mellen 1996: 111.
<i>Alnus viridis</i> ssp. <i>sinuata</i> shrubland	Sitka alder shrubland	ALNVIR / SHRUBL	wetland	CEGL001154	GUQS U	BM	Cole 1977: 99; Cole 1982: 17; Johnson & Clausnitzer 1992: 148; Titus et al. 1998.
<i>Alopecurus saccatus</i> - <i>Plagiobothrys bracteatus</i> vernal pool	foxtail - popcorn flower vernal pool	ALOSAC - PLABRA	wetland	CPEG1AS0A1	GUS2	KM	Hirsch & Riefler 1981: 9, 10; Kranz 1982: 1; Magee & Meinke 1984; Titus & Christy 1996b; Huddleston 1999.
<i>Arctostaphylos canescens</i> - <i>Arctostaphylos viscida</i> - <i>Ceanothus cuneatus</i> chaparral	hoary manzanita - sticky manzanita - buckbrush	ARCCAN - ARCVIS - CEACUN CHAPARRAL		new131	G3S3	KM	unpublished
<i>Arctostaphylos patula</i> - <i>Prunus</i> - ( <i>Purshia tridentata</i> )	greenleaf manzanita - cherry - bitterbrush chaparral	ARCPAT - PRUNU - PURTRI CHAPARRAL		CVAFAPPAF1	G2S2	EC, KM, WC	unpublished
<i>Arctostaphylos patula</i> - <i>Quercus vaccinifolia</i> chaparral	greenleaf manzanita - huckleberry oak chaparral	ARCPAT - QUEVAC CHAPARRAL		CVAFAPQA01	G4S4	KM	unpublished



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Argentina egedii - Aster subspicatus	Pacific silverweed - Douglas aster salt marsh	ARGEGE - ASTSUB	wetland	CWWA000046	G3S2	CR	Eilers 1975: 256, 258; Eilers 1976: 27; Taylor & Frenkel 1979: 78; Taylor 1980: 75; Mitchell 1981: 112, 113; Frenkel & Boss 1988: 39; Dethier 1990: 38 (WA).
Argentina egedii - Carex obnupta	Pacific silverweed - slough sedge salt marsh	ARGEGE - CAROBN	wetland	new48	G4S2	CR	Boss 1983: 72.
Argentina egedii - Distichlis spicata	Pacific silverweed - salt grass	ARGEGE - DISSPI	wetland	new116	G3S2	CR	Frenkel et al. 1978: 89; Frenkel et al. 1981; Mitchell 1981; Frenkel & Boss 1988; Christy et al. 1998: 124.
Argentina egedii - Juncus balticus	Pacific silverweed - Baltic rush salt marsh	ARGEGE - JUNBAL	wetland	CWWA000047	G4S2	CR	Frenkel et al. 1978: 57, 75, 82, 99; Frenkel et al. 1981: 200; Mitchell 1981: 112, 113; Frenkel & Boss 1988: 39; Dethier 1990: 37 (WA); Viereck et al. 1992: 194 (AK); Christy et al. 1998: 126.
Aristida purpurea var. longiseta - Sporobolus cryptandrus	red threeawn - sand dropseed	ARIPUR - SPOCRY		CEGL001515	G3S3	BM	Johnson & Simon 1987
Artemisia arbuscula - Purshia tridentata / Pseudoroegneria spicata - Festuca idahoensis	low sagebrush - bitterbrush / bluebunch wheatgrass - Idaho fescue	ARTARB - PURTRI / PSESPI - FESIDA		CEGL001518	G3S3	BM, BR, EC	unpublished
Artemisia arbuscula - Purshia tridentata / Stipa thurberiana	low sagebrush - bitterbrush / Thurber needlegrass	ARTARB - PURTRI / STITHU		new409	GUSU	EC	Dealy 1971: 67.
Artemisia arbuscula / Festuca idahoensis	low sagebrush / Idaho fescue	ARTARB / FESIDA		CEGL001409	G5S3	EC, BR	Dealy 1971: 80; Volland 1976: 25; Hopkins 1979a: 17; Hopkins 1979b: 10; Day & Wright 1985: 4 (ID).
Artemisia arbuscula / Poa secunda	low sagebrush / Sandberg bluegrass	ARTARB / POASEC		CEGL001411	G5S5	BM, BR, EC	Dealy 1971: 85, 89; Hopkins 1979a: 10, 15; Christy & Cornelius 1980: plot 8; Day & Wright 1985: 3 (ID) . .
Artemisia arbuscula / Pseudoroegneria spicata	low sagebrush / bluebunch wheatgrass	ARTARB / PSESPI		CEGL001412	G5S3	BM, BR, EC	Hall 1973: 14.
Artemisia cana - Artemisia tridentata ssp. vaseyana / Poa fendleriana	silver sagebrush - mountain big sagebrush / Fendler bluegrass playa	ARTCAN - ARTTRIV / POAFEN		new40	GUSU	BR	unpublished
Artemisia cana / Deschampsia cespitosa	silver sagebrush / tufted hairgrass	ARTCAN / DESCES	wetland	new1xx	GUS2	BM	Crowe & Clausnitzer 1997: 159.
Artemisia cana / Eleocharis palustris	silver sagebrush / common spikerush playa	ARTCAN / ELEPAL	wetland	new117	GUS2	BM, BR	Titus 1995a; Titus et al. 1998.
Artemisia cana / Leymus cinereus	silver sagebrush / basin wildrye	ARTCAN / LEYCIN		CEGL001460	G2S1	BR	unpublished
Artemisia cana / Muhlenbergia richardsonis	silver sagebrush / mat muhly playa	ARTCAN / MUHRIC	wetland	CEGL001743	G3S3	BR	Dealy 1971: 93; Manning & Padgett 1991: 222 (NV); Moseley 1998: 46 (ID).
Artemisia cana / Poa fendleriana	silver sagebrush / Fendler bluegrass playa	ARTCAN / POAFEN	wetland	CEGL001551	G4S2	BM, BR, EC	Christy & Cornelius 1980: plot 9; Padgett 1981: 58; Kovalchik 1987: 65; Titus et al. 1998.
Artemisia cana / Poa secunda	silver sagebrush / Nevada bluegrass	ARTCAN / POASEC	wetland	CEGL001548	G2S1	BR	Titus 1995a; Moseley 1998: 46 (ID); Titus et al. 1998.
Artemisia ludoviciana	western mugwort	ARTLUD	wetland	new118	GUSU	BM	Moseley 1998: 47 (ID); Titus et al. 1998.
Artemisia nova / Poa secunda	black sagebrush / Sandberg bluegrass	ARTNOV / POASEC		CEGL001423	G3S2	BR	unpublished
Artemisia nova / Pseudoroegneria spicata	black sagebrush / bluebunch wheatgrass	ARTNOV / PSESPI		CEGL001424	G5S2	BR	unpublished
Artemisia papposa	Owyhee sagebrush playa	ARTPAP	wetland	new119	G?S1	BM	Moseley 1998: 47 (ID)
Artemisia rigida / Poa secunda	rigid sagebrush / Sandberg bluegrass	ARTRIG / POASEC		CEGL001528	G4S4	BM, CB, BR	Daubenmire 1970 (WA); Hall 1973: 13, 47; Ganskopp 1979: 46, 100; Copeland 1980: 58; Johnson & Simon 1987: 138; Easterly & Salstrom 1998: 32 (WA).
Artemisia rigida / Pseudoroegneria spicata	rigid sagebrush / bluebunch wheatgrass	ARTRIG / PSESPI		CEGL001529	G3S3	BM, BR	unpublished
Artemisia spinescens / Elymus elymoides	budsage / bunchgrass	ARTSPI / SITHYS		CVJFATA0S1	GUSU	BR	unpublished
Artemisia tridentata ssp. tridentata / Festuca idahoensis	basin big sagebrush / Idaho fescue	ARTTRIT / FESIDA		CEGL001014	G3S1	CB, BM, BR	unpublished
Artemisia tridentata ssp. tridentata / Leymus cinereus	basin big sagebrush / basin wildrye	ARTTRIT / LEYCIN	wetland	CEGL001016	G2S1	CB, BM, BR	Moseley 1998: 29 (ID).
Artemisia tridentata ssp. tridentata / Poa secunda - Pseudoroegneria spicata	basin big sagebrush / Sandberg bluegrass - bluebunch wheatgrass Palouse	ARTTRIT / POASEC - PSESPI		CEGL001019	G1S1	CB	Easterly & Salstrom 1998: 14 (WA).
Artemisia tridentata ssp. tridentata / Hesperostipa comata	basin big sagebrush / needle-and-thread	ARTTRIT / STICOM		CEGL001010	G1SH	CB, BM, BR	Daubenmire 1970 (WA); Hironaka et al. 1983: 29 (ID); Easterly & Salstrom 1998: 23 (WA).
Artemisia tridentata ssp. vaseyana - Ephedra viridis	mountain big sagebrush - green mormon tea	ARTTRIV - EPHVIR		new42	G4S1	BR	unpublished
Artemisia tridentata ssp. vaseyana - Purshia tridentata / Festuca idahoensis	mountain big sagebrush - bitterbrush / Idaho fescue	ARTTRIV - PURTRI / FESIDA		new409	GUSU	EC	Dealy 1971: 69.
Artemisia tridentata ssp. vaseyana / Achnatherum occidentale	mountain big sagebrush / western needlegrass	ARTTRIV / ACHOCC		CEGL001033	G2S2	BR, EC	Dealy 1971: 74; Volland 1976: 27; Day & Wright 1985: 3 (ID); Johnson & Clausnitzer 1992: 147.

Scientific name	Common name	Acronym	Wetland	ELCODE	Rank	Ecoreg	References with plot data
<i>Artemisia tridentata</i> ssp. <i>vaseyana</i> / <i>Carex geyeri</i>	mountain big sagebrush / elk sedge	ARTTRIV / CARGEY		CEGL001532	G3S3	BM, BR, EC	Hall 1973: 44; Johnson & Simon 1987: 162; Johnson & Clausnitzer 1992: 137.
<i>Artemisia tridentata</i> ssp. <i>vaseyana</i> / <i>Festuca idahoensis</i>	mountain big sagebrush / Idaho fescue	ARTTRIV / FESIDA		CEGL001533	G5S3	BM, BR, EC	Volland 1976: 26; Hopkins 1979a: 14 (in part); Johnson & Simon 1987: 163; Johnson & Clausnitzer 1992: 139.
<i>Artemisia tridentata</i> ssp. <i>vaseyana</i> / <i>Poa secunda</i>	mountain big sagebrush / Sandberg bluegrass	ARTTRIV / POASEC		CEGL001029	GUSU	BM, BR, EC	Hall 1973: 15; Day & Wright 1985: 3 (ID).
<i>Artemisia tridentata</i> ssp. <i>vaseyana</i> / <i>Pseudoroegneria spicata</i>	mountain big sagebrush / bluebunch wheatgrass	ARTTRIV / AGRSPI		CEGL001030	G4S3	BM, BR, EC	Volland 1976: 30; Hall 1973: 15; Hopkins 1979a: 14 (in part); Day & Wright 1985: 2 (ID).
<i>Artemisia tridentata</i> ssp. <i>wyomingensis</i> - <i>Purshia tridentata</i> / <i>Festuca idahoensis</i>	Wyoming big sagebrush - bitterbrush / Idaho fescue	ARTTRIW - PURTRI / FESIDA		new121	G4S3	BM, EC, BR	Day & Wright 1985: 3 (ID); Johnson & Simon 1987: 163.
<i>Artemisia tridentata</i> ssp. <i>wyomingensis</i> - <i>Purshia tridentata</i> / <i>Pseudoroegneria spicata</i>	Wyoming big sagebrush - bitterbrush / bluebunch wheatgrass	ARTTRIW - PURTRI / PSESPI		CEGL001050	G3QS3	BM, BR, CB, EC	unpublished
<i>Artemisia tridentata</i> ssp. <i>wyomingensis</i> / <i>Festuca idahoensis</i>	Wyoming big sagebrush / Idaho fescue	ARTTRIW / FESIDA		new120	G3S2	BM, BR, CB, EC	Doescher 1986.
<i>Artemisia tridentata</i> ssp. <i>wyomingensis</i> / <i>Leymus cinereus</i>	Wyoming big sagebrush / basin wildrye	ARTTRIW / LEYCIN		new122	G3S3	BM, BR, CB, EC	unpublished
<i>Artemisia tridentata</i> ssp. <i>wyomingensis</i> / <i>Poa secunda</i>	Wyoming big sagebrush / Sandberg bluegrass	ARTTRIW / POASEC		CEGL001049	G5S4	BR	unpublished
<i>Artemisia tridentata</i> ssp. <i>wyomingensis</i> / <i>Pseudoroegneria spicata</i>	Wyoming big sagebrush / bluebunch wheatgrass	ARTTRIW / PSESPI		CEGL001535	G5S3	BM, BR, CB, EC	Head 1959: 24.
<i>Artemisia tridentata</i> ssp. <i>wyomingensis</i> / <i>Hesperostipa comata</i>	Wyoming big sagebrush / needle-and-thread	ARTTRIW / STICOM		CEGL001051	G2S2	BM, BR, CB, EC	unpublished
<i>Artemisia tridentata</i> ssp. <i>wyomingensis</i> / <i>Stipa thurberiana</i>	Wyoming big sagebrush / Thurber needlegrass	ARTTRIW / STITHU		CEGL001052	G3S3	BM, BR, CB, EC	unpublished
<i>Artemisia tridentata</i> var. <i>wyomingensis</i> - <i>Peraphyllum ramosissimum</i> / <i>Festuca idahoensis</i>	Wyoming big sagebrush - squawapple / Idaho fescue	ARTTRIW - PERRAM / FESIDA		CEGL001048	G2S2	BM, BR	Dealy et al. 1981: 48.
<i>Artemisia tripartita</i> / <i>Festuca idahoensis</i>	threetip sagebrush / Idaho fescue	ARTTR12 / FESIDA		CEGL001536	G3S2	BM, BR	Daubenmire 1970 (WA); Day & Wright 1985: 3 (ID).
<i>Artemisia tripartita</i> / <i>Pseudoroegneria spicata</i>	threetip sagebrush / bluebunch wheatgrass	ARTTR12 / PSESPI		CEGL001538	G2G3S1	BM, BR	Daubenmire 1970 (WA).
<i>Athyrium filix-femina</i>	lady fern marsh	ATHFIL	wetland	new142	G4S3	CR	Viereck et al. 1992: 194 (AK); Christy & Putera 1993: 40; Kunze 1994: 95 (WA); Boggs 1998: 162 (AK).
<i>Athyrium filix-femina</i> - <i>Senecio triangularis</i>	lady fern - arrowleaf groundsel marsh	ATHFIL - SENTRI	wetland	new508	GUSU	BM, EC	Titus et al. 1998.
<i>Atriplex canescens</i> - <i>Sarcobatus vermiculatus</i> / ( <i>Oryzopsis hymenoides</i> )	fourwing saltbush - greasewood dunes	ATRCAN - SARVER / (ORYHYM)		CEGL001046	G3S2	BR	Price & Seibert 1981: 19.
<i>Atriplex confertifolia</i> - <i>Artemisia tridentata</i> ssp. <i>wyomingensis</i>	shadscale - Wyoming big sagebrush rimrock and ashbeds	ATRCAN - ARTTRIW		CEGL001040	G4S4	BR	unpublished
<i>Atriplex confertifolia</i> - <i>Sarcobatus vermiculatus</i> / ( <i>Oryzopsis hymenoides</i> )	shadscale - black greasewood	ATRCAN - SARVER / (ORYHYM)		CEGL001313	G5S3	BR	unpublished
<i>Atriplex confertifolia</i> - <i>Sarcobatus vermiculatus</i> / <i>Distichlis spicata</i>	shadscale - black greasewood / alkali saltgrass	ATRCAN - SARVER / DISSPI	wetland	new127	G4S3	BR	unpublished
<i>Atriplex confertifolia</i> / <i>Distichlis spicata</i>	shadscale / saltgrass playa	ATRCAN / DISSPI	wetland	new125	G4S3	BR	unpublished
<i>Atriplex confertifolia</i> / <i>Elymus elymoides</i>	shadscale / bottlebrush squirreltail	ATRCAN / ELYELY		CEGL001302	G4S3	BR	unpublished
<i>Atriplex confertifolia</i> / <i>Oryzopsis hymenoides</i>	shadscale / indian ricegrass	ATRCAN / ORYHYM		CEGL001311	G4S3	BR	unpublished
<i>Atriplex gardneri</i> / <i>Elymus elymoides</i>	saltsage / bottlebrush squirreltail	ATRNUT / ELYELY		new129	GUS3	BR	Lakeview/Burns data
<i>Atriplex gardneri</i> / <i>Leymus triticoides</i>	Gardner's saltbush / beardless wildrye	ARTGAR / LEYTRI	wetland	new??	GUSU	BR	Lakeview/Burns data
<i>Azolla mexicana</i>	Mexican water-fern aquatic bed	AZOMEX	wetland	CEGL003017	G4S4	CR	Titus and Christy 1997.
<i>Baccharis pilularis</i> - <i>Rubus parviflorus</i>	south coast headland shrubland	BACPIL - RUBPAR		new130	G3S2	CR	unpublished
<i>Baccharis pilularis</i> / <i>Angelica hendersonii</i>	chaparral bloom / Henderson angelica	BACPIL / ANGHEN		new44	G3S3	CR	unpublished

Scientific name	Common name	Acronym	Wetland	ELCODE	Rank	Ecoreg	References with plot data
Baccharis pilularis / Artemisia pycnocephala - Scrophularia californica	south coast herb dunes	BACPIL / ARTPYC - SCRCAL		CEGL001426	G2S1	CR	Wiedemann 1984.
Betula nana / Carex angustata	bog birch / widefruit sedge	BETNAN / CARANG	wetland	new140	?	BM, BR	unpublished
Betula nana / Carex aquatilis var. aquatilis	bog birch / water sedge	BETNAN / CARAQUA	wetland	new614	GUSU	BM, EC	Titus et al. 1998
Betula nana / Carex utriculata	bog birch / beaked sedge	BETNAN / CARUTR	wetland	CEGL001079	G4S4	EC, WC	Seyer 1979: 117.
Betula nana / Salix(Salix boothii - Salix geeyeriana)	bog birch / willow(Booth willow - Geyer willow)	BETNAN / - SALIX(SALBOO - SAI GEY)	wetland	new615	G4S4	EC	Titus et al. 1998
Betula occidentalis - (Symphoricarpos albus)	western birch - (common snowberry)	BETOCC - (SYMALB)	wetland	new141	GUSU	BM	Crowe & Clausnitzer 1997: 164.
Betula occidentalis - Cornus sericea	western birch - creek dogwood	BETOCC - CORSER	wetland	CEGL001161	G2G3 S2	BM, EC	Manning & Padgett 1989: 33 (NV); Padgett et al. 1989: 52 (ID, UT); Titus et al. 1998.
Betula occidentalis - Crataegus douglasii	western birch - black hawthorn	BETOCC - CRADOU	wetland	CEGL001081	G1S1	BM	unpublished
Betula occidentalis - Philadelphus lewisii	western birch - mockorange	BETOCC - PHILEW	wetland	new32	G1S1	BM, BR	Moseley 1998: 42 (ID); Titus et al. 1998.
Betula occidentalis - Vaccinium uliginosum	western birch - bog blueberry	BETOCC - VACULI	wetland	new613	GUSU	EC	Titus et al. 1998
Bidens cernua	nodding beggars-tick marsh	BIDCER	wetland	CWWA000050	G3S3	WV	Christy & Putera 1993: 40; Kunze 1994: 44 (WA); Titus and Christy 1997.
Bidens frondosa	leafy beggars-tick marsh	BIDFRO	wetland	CWWA000051	G4S4	WV	Titus and Christy 1997.
Brasenia schreberi	water-shield aquatic bed	BRASCH	wetland	CEGL004527	G5S3	CR, KM	Kunze 1994: 22, 79 (WA); Titus & Christy 1996e.
Triteleia hyacinthina prairie	hyacinth brodiaea prairie	TRIHYA	wetland	new49	G2S2	KM, WV	Titus & Christy 1997.
Calamagrostis canadensis	bluejoint reedgrass western herbaceous vegetation	CALCAN	wetland	CEGL001559	G4SE S4	BM, EC	Cole 1977: 100; Padgett et al. 1989: 105 (ID, UT); Crowe & Clausnitzer 1997: 38, 188; Kovalchik 1987: 138; Kovalchik 1992: 195 (WA); Titus et al. 1998.
Calamagrostis nutkaensis	Pacific reedgrass fen	CALNUT	wetland	new146	G3S1	CR	unpublished
Calamagrostis nutkaensis - Elymus glaucus	Pacific reedgrass - blue wildrye	CALNUT - ELYGLA		CEGL001564	G2S1	CR	Ripley 1983: 114.
Callitriche heterophylla	different-leaved water-starwort aquatic bed	CALHET	wetland	CWWA000053	G4S4	CR, KM, WC, WV	Titus & Christy 1996a; Boggs 1998: 182 (AK).
Callitriche palustris	spring water-starwort aquatic bed	CALPAL	wetland	new511	G4S4	EC	Titus et al. 1998.
Calocedrus decurrens - Pseudotsuga menziesii / Arctostaphylos nevadensis	incense cedar - Douglas-fir / pinemat manzanita	CALDEC - PSEMEN / ARCNEV		CEGL000066	G2SU	KM	unpublished
Calocedrus decurrens / Symphoricarpos albus	incense cedar / common snowberry	CALDEC / SYMALB	wetland	new148	GUSU	EC	Titus et al. 1998.
Caltha leptosepala ssp. howellii flush	white marshmarigold flush	CALLEP	wetland	CWWA000054	G4S4	BM, CR, EC, WC	del Moral 1973: 32 (WA); Hickman 1976: 150 (WA); Hemstrom et al. 1987: 256; Padgett et al. 1989: 100 (ID, UT).
Caltha palustris - Lysichiton americanus	yellow marshmarigold - skunk cabbage	CALPAL - LYSAME	wetland	CWWA000055	G3S2	CR	Kunze 1994: 96 (WA).
Camassia cusickii	Cusick camas seep	CAMCUS	wetland	new149	G3S3	BM	Johnson & Simon 1987: 211; Moseley 1998: 40 (ID).
Camassia quamash	common camas prairie	CAMQUA	wetland	new51	G4S4	KM, WV	Titus & Christy 1996c.
Camissonia tanacetifolia ssp. tanacetifolia vernal pool	tansy-leaf evening-primrose vernal pool	CAMTAN	wetland	new378		BM	Titus 1995a; Titus et al. 1998.
Carex / Philonotis fontana	sedge / apple moss flush	CAREX / PHIFON	wetland	new150	G5S5	BM, BR	
Carex amplifolia	bigleaf sedge meadow	CARAMP	wetland	CEGL003427	G3S3	BM, CR, EC	Kovalchik 1987: 112 (in part); Larkin 1990: 3; Crowe & Clausnitzer 1997: 204; Titus et al. 1998.
Carex angustata	widefruited sedge meadow	CARANG	wetland	new152	G4S4	EC	Volland 1976: 20; Kovalchik 1987: 102; Titus et al. 1998.
Carex aperta	Columbia sedge marsh	CARAPE	wetland	CWWA000056	G1S1	WV	Christy & Putera 1993: 40; Kunze 1994: 44 (WA).
Carex aquatilis var. aquatilis	water sedge fen	CARAQUA	wetland	CEGL001802	G4S4	BM, BR, EC	Hall 1973: 6; Volland 1976: 20; Hopkins 1979a: 13; Kauffman 1982: 59; Kauffman et al. 1985: 16; Kovalchik 1987: 104; Johnson & Simon 1987: 225; Padgett et al. 1989: 101 (ID, UT); Manning & Padgett 1991: 391 (NV); Kovalchik 1992: 168 (WA); Crowe & Clausnitzer 1997: 174; Titus & Christy 1996a; Titus et al. 1998.
Carex aquatilis var. dives	Sitka sedge fen	CARAQUD	wetland	CEGL001826	G4S4	CR, EC, WC	Campbell 1973: 41; Seyer 1979: 39; Frenkel et al. 1986: 33; Wilson 1986: 19; Hemstrom et al. 1987: 255; Kovalchik 1987: 114; Kunze 1994: 27, 84 (WA); Titus 1996; Titus & Christy 1996e; Titus et al. 1998; Boggs 1998: 150 (AK).
Carex aquatilis var. dives - Comarum palustre	Sitka sedge - purple marshlocks	CARAQUD - COMPAL	wetland	CEGL003433	G2S2	CR	Howarth 1995: 9; Christy 2001: 33; Christy & Brophy 2002.
Carex breweri	Brewer sedge meadow	CARBRE	wetland	CEGL001805	G4S4	EC, WC	Douglas & Bliss 1977: 119 (WA); Kovalchik 1987: 126; Titus et al. 1998.

Scientific name	Common name	Acronym	Wetland	ELCODE	Rank	Ecoreg	References with plot data
<i>Carex buxbaumii</i>	Buxbaum sedge fen	CARBUX	wetland	new53	G5S3	EC	Padgett et al. 1989: 97 (ID, UT); Titus & Christy 1996a; Titus et al. 1998.
<i>Carex californica</i>	California sedge ultramafic fen	CARCAL	wetland	new54	G2S2	KM	Titus & Christy 1996d.
<i>Carex canescens</i>	gray sedge fen	CARCAN	wetland	new153	G5S3	BM, WC	Crowe & Clausnitzer 1997: 199; Titus et al. 1998.
<i>Carex cusickii</i>	Cusick sedge fen	CARCUS	wetland	CWWA000010	G3S2	BM	Kovalchik 1992: 164 (WA); Crowe & Clausnitzer 1997: 176; Titus et al. 1998.
<i>Carex cusickii</i> - ( <i>Menyanthes trifoliata</i> ) fen				CEGL003332			WA -- fid Chapell
<i>Carex cusickii</i> - ( <i>Comarum palustre</i> ) fen	Cusick sedge - (bog cinquefoil) fen	CARCUS - (COMPAL)	wetland	CWWA000060	G2S2	CR	Kunze 1994: 25 (WA).
<i>Carex densa</i> - <i>Deschampsia cespitosa</i>	Dense sedge - tufted hairgrass prairie	CARDEN - DESCES	wetland	new55	G2S2	KM, WV	Titus & Christy 1996c; Titus et al. 1996.
<i>Carex densa</i> - <i>Eleocharis palustris</i>	dense sedge - creeping spikerush marsh	CARDEN - ELEPAL	wetland	new155	G4S4	WV	Boss 1983: 98; Titus et al. 1996.
<i>Carex densa</i> - <i>Juncus patens</i>	dense sedge - spreading rush marsh	CARDEN - JUNPAT	wetland	new56	G2S2	KM	Titus & Christy 1996c.
<i>Carex exsiccata</i>	inflated sedge marsh	CAREXS	wetland	CWWA000070	G3S3	CR, WC, WV	Christy & Cornelius 1980: plot 48; Henderson & McAllister 1983: 2; Padgett et al. 1989: 102 (ID, UT); Kunze 1994: 28 (WA); Titus et al. 1996; Christy et al. 1998: 110; Christy 2001: 34.
<i>Carex geyeri</i>	elk sedge meadow	CARGEY		new404	GUGU	BM	Hall 1973: 46.
<i>Carex hoodii</i>	Hood sedge avalanche slope	CARHOO		CEGL001595	GUGU	BM	Cole 1977: 96; Cole 1982: 17.
<i>Carex illota</i> - <i>Eleocharis quinqueflora</i>	small-headed sedge - few-flowered spikerush fen	CARILL - ELEQUI	wetland	CEGL001876	G4S3	BM	Titus 1998b; Titus et al. 1998.
<i>Carex interrupta</i>	green-fruited sedge fen	CARINT	wetland	CWWA000176	G3G4 S3	EC	Kovalchik 1987: 138; Titus et al. 1999 (WA).
<i>Carex jonesii</i>	Jones' sedge fen	CARJON	wetland	new477	GUGU	BM	Titus et al. 1998.
<i>Carex laeviculmis</i>	smooth stemmed sedge fen	CARLAE	wetland	new477	GUGU	BM	Crowe & Clausnitzer 1997: 212; Titus et al. 1998.
<i>Carex lasiocarpa</i>	slender sedge fen	CARLAS	wetland	CEGL001810	G4SU	BM, BR, WC	Kovalchik 1987: 108; Padgett et al. 1989: 95 (ID, UT); Kovalchik 1992: 170 (WA); Crowe & Clausnitzer 1997: 200; Kunze 1994: 26 (WA); Titus & Christy 1996a; Titus et al. 1998.
<i>Carex lenticularis</i>	lenticular sedge fen	CARLEN	wetland	CWWA000011	G3S2	BM, EC, WC	Titus et al. 1999 (WA); Crowe & Clausnitzer 1997: 184; Diaz & Mellen 1996: 151; Titus et al. 1998.
<i>Carex leporinella</i>	Sierra hair sedge fen	CARLEP	wetland	new158	G4S4	BM	Titus et al. 1998.
<i>Carex luzulina</i>	woodrush sedge fen	CARLUZ	wetland	CWWA000012	G3S2	BM, EC	Crowe & Clausnitzer 1997: 172; Titus et al. 1998.
<i>Carex lyngbyei</i>	Lyngby sedge freshwater marsh	CARLYN FRESHWATER	wetland	CPFG1CL0C1	G4S2	CR	Frenkel & Eilers 1976: 52; Frenkel et al. 1978: 103; Taylor & Frenkel 1979: 58; Taylor 1980: 55; Thomas 1980: 10, 55; Dethier 1990: 33, 35 (WA); Viereck et al. 1992: 183 (AK); Kunze 1994: 54, 96 (WA); Boggs 1998: 142, 143, 145 (AK).
<i>Carex lyngbyei</i> - ( <i>Distichlis spicata</i> - <i>Triglochin maritimum</i> )	Lyngby sedge - (saltgrass - arrow grass) salt marsh	CARLYN - (DISSPI - TRIMAR)	wetland	CWWA000062	G4S2	CR	Eilers 1976: 27; Frenkel et al. 1978: 98; Taylor & Frenkel 1979: 74; Frenkel & Boss 1988: 39; Taylor 1980: 71; Thomas 1980: 8; Dethier 1990: 34 (WA); Viereck et al. 1992: 187 (AK)
<i>Carex lyngbyei</i> - <i>Argentina egedii</i>	Lyngby sedge - Pacific silverweed salt marsh	CARLYN - ARGEGE	wetland	CWWA000063	G4S2	CR	Dethier 1990: 37 (WA); Viereck et al. 1992: 186, 187 (AK); Shephard 1995: 164 (AK); Boggs 1998: 146 (AK); Christy et al. 1998: 120.
<i>Carex macrocephala</i>	Largehead sedge	CARMAC		CEGL003368	G4S1	CR	Christy unpublished 2002
<i>Carex muricata</i>	star sedge meadow	CARMUR	wetland	new158	GUSU	BM, WC	Crowe & Clausnitzer 1997: 199; Titus et al. 1998.
<i>Carex nebrascensis</i>	Nebraska sedge fen	CARNEB	wetland	CEGL001813	G4S4	BM, BR, EC	Hall 1973: 6; Beguin & Major 1975: 353 (CA); Christy & Cornelius 1980: plot 5; Kovalchik 1987: 100; Padgett et al. 1989: 107 (ID, UT); Manning & Padgett 1991: 416 (NV); Crowe & Clausnitzer 1997: 192; Titus et al. 1998.
<i>Carex nigricans</i>	black alpine sedge fen	CARNIG	wetland	CEGL001816	G4S4	BM, BR, EC, WC	Kuramoto & Bliss 1970: 325; Campbell 1973: 20, 22; Cole 1977: 113; Cole 1982: 20; Kovalchik 1987: 128; Kovalchik 1992: 172 (WA); Viereck et al. 1992: 191 (AK); Brett et al. 1998: 20 (BC); Titus et al. 1998.
<i>Carex nigricans</i> - <i>Carex scopulorum</i>	black alpine sedge - Holm sedge fen	CARNIG - CARSCO	wetland	new473	GUSU	BM, EC	Kovalchik 1987: 130; Titus et al. 1998.
<i>Carex nudata</i>	torrent sedge fen	CARNUD	wetland	new470	GUSU	BM	Crowe & Clausnitzer 1997: 212; Titus et al. 1998.
<i>Carex obnupta</i>	slough sedge marsh	CAROBN	wetland	CWWA000067	G4S4	CR, WV	Wiedemann 1966: 131; Taylor & Frenkel 1979: 58; Boss 1983: 45, 98; Ripley 1983: 109; Marshall 1985: 143; Sanville et al. 1986: 127; Kunze 1994: 26, 42, 45, 55, 81 (WA); Titus et al. 1996; Christy et al. 1998: 106; Christy 2001: 34.
<i>Carex obnupta</i> - <i>Argentina egedii</i>	slough sedge - Pacific silverweed deflation plain	CAROBN - ARGEGE	wetland	CEGL001820	G4S4	CR	Boss 1983: 72; Christy et al. 1998: 108.

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Carex obnupta - Carex aquatilis var. dives	slough sedge - Sitka sedge fen	CAROBN - CARAQUOD	wetland	new160	G4S4	CR	Christy unpublished (coastal mires)
Carex obnupta / Sphagnum	slough sedge / sphagnum	CAROBN / SPHAGN	wetland	CEGL003434	G3S2	CR	Christy 2001: 35.
Carex pellita	woolly sedge fen	CARPEL	wetland	CEGL001809	G5S4	BM, BR, EC	Ganskopp 1979: 33; Kovalchik 1987: 98; Evenden 1989: 48; Padgett et al. 1989: 108 (ID, UT); Manning & Padgett 1991: 421 (NV); Crowe & Clausnitzer 1997: 186; Titus et al. 1998.
Carex praegracilis	clustered field sedge marsh	CARPRA	wetland	CEGL002660	G3SU	BM	Crowe & Clausnitzer 1997: 199; Titus et al. 1998.
Carex scopulorum	Holm sedge meadow	CARSCO	wetland	CEGL001822	G4S4	BM, BR, WC	Campbell 1973: 36; Cole 1977: 102; Kovalchik 1987: 132; Evenden 1989: 44; Manning & Padgett 1991: 387 (NV); Kovalchik 1992: 162 (WA); Crowe & Clausnitzer 1997: 170; Titus et al. 1998.
Carex scopulorum - Eleocharis quinqueflora	Holm sedge - few-flowered spikerush fen	CARSCO - ELEQUI	wetland	CEGL001837	G4S4	BM, EC	Cole 1977: 102; Ratliff 1982: 8 (CA); Manning & Padgett 1991: 399 (NV); Titus 1998b.
Carex sheldonii	Sheldon sedge	CARSHE	wetland	new162	GUSU	BM	Crowe & Clausnitzer 1997: 201; Moseley 1998: 46 (ID); Titus et al. 1998.
Carex simulata	short-beaked sedge fen	CARSIM	wetland	CEGL001825	G4S4	BM, BR, EC	Christy & Cornelius 1980: plot 35; Kovalchik 1987: 106; Padgett et al. 1989: 104 (ID, UT); Manning & Padgett 1991: 395 (NV); Titus & Christy 1996a; Crowe & Clausnitzer 1997: 200; Titus et al. 1998.
Carex spectabilis meadow	showy sedge meadow	CARSPE	wetland	CEGL001827	G4S4	BM, WC	Douglas 1972 (WA); Douglas & Bliss 1977: 129 (WA); Cole 1977: 113; Cole 1982: 20.
Carex unilateralis - Hordeum brachyantherum	one-sided sedge - meadow barley prairie	CARUNI - HORBRA	wetland	CEGL001830	G2S2	KM, WV	Moir & Mika 1972: 12.
Carex utriculata	beaked sedge marsh	CARUTR	wetland	CEGL001562	G5S4	BM, BR, CR, EC, WC	Seyer 1979: 35; Kauffman 1982: 59; Kauffman et al. 1985: 16; Frenkel et al. 1986: 33; Halpern 1986: 11 (CA); Johnson & Simon 1987: 225; Kovalchik 1987: 118, 118; Viereck et al. 1992: 183; Kunze 1994: 26, 63 (WA); Rodwell 1995: 166 (in part; UK); Titus 1996; Titus & Christy 1996a; Boggs 1998: 149 (AK); Moseley 1998: 35 (ID); Titus et al. 1998.
Carex vesicaria var. vesicaria	eastside inflated sedge marsh	CARVES	wetland	CWWA000013	G5S4	BM, BR, CR, EC	Kovalchik 1987: 116; Crowe & Clausnitzer 1997: 180; Manning & Padgett 1991: 452 (NV); Titus et al. 1998; Titus & Christy 1996a.
Ceanothus cuneatus - Cercocarpus betuloides - (Prunus subcordata) chaparral	buckbrush - birchleaf mountain mahogany - Klamath plum chaparral	CEACUN - CERBET - (PRUSUB) CHAPARRAL		new133	G3S3	KM, EC	unpublished
Ceanothus cuneatus - Garrya fremontii - Rhus diversiloba chaparral	buckbrush - Fremont silktassel - poison oak chaparral	CEACUN - GARFRE - RHUDIV CHAPARRAL		new134	G4S4	KM	unpublished
Ceanothus cuneatus / Stipa lemmonii	buckbrush / Lemmon needlegrass	CEACUN / STILEM		new132	G2S2	KM	unpublished
Celtis reticulata / Pseudoroegneria spicata	hackberry / bluebunch wheatgrass	CELLAE / PSESPI		CEGL001085	G3S3	BM, CB	Johnson & Simon 1987: 198.
Ceratophyllum demersum	coontail aquatic bed	CERDEM	wetland	CWWA000071	G5S5	CR, EC, KM, WV	Rodwell 1995: 40 (UK); Titus et al. 1998.
Cercocarpus ledifolius / Artemisia arbuscula / Poa secunda - Pseudoroegneria spicata	curlleaf mountain mahogany - low sagebrush / bunchgrass	CERLED - ARTARB / POASEC - PSESPI		CEGL001487	G4S4	BR	Scheldt 1969 (ID).
Cercocarpus ledifolius / Artemisia tridentata ssp. vaseyana	curlleaf mountain mahogany / mountain big sagebrush	CERLED / ARTRIV		CEGL001022	G3S2	BM, BR	Dealy 1975: 74-81; Dealy et al.1981: 20, 22.
Cercocarpus ledifolius / Calamagrostis rubescens	curlleaf mountain mahogany / pinegrass	CERLED / CALRUB		CEGL000961	G1S1	BM, BR, EC	Dealy 1975:116-122; Dealy et al.1981: 24.
Cercocarpus ledifolius / Festuca idahoensis	curlleaf mountain mahogany / Idaho fescue	CERLED / FESIDA		CEGL000962	G5S3	BM, BR, EC	Dealy 1971: 60; Dealy 1975: 85; Dealy et al.1981: 22.
Cercocarpus ledifolius / Festuca idahoensis - Pseudoroegneria spicata	curlleaf mountain mahogany / Idaho fescue - bluebunch wheatgrass	CERLED / FESIDA - PSESPI		CEGL000968	G2S2	BM, BR	Dealy 1971: 55; Dealy 1975: 88; Johnson & Clausnitzer 1992: 133.
Cercocarpus ledifolius / Prunus virginiana	curlleaf mountain mahogany / chokecherry	CERLED / PRUVIR		new45	G3S3	BR	unpublished
Cercocarpus ledifolius / Pseudoroegneria spicata	curlleaf mountain mahogany / bluebunch wheatgrass	CERLED / PSESPI		CEGL000967	G5S3	BM, BR, EC	Hall 1973: 21; Cole 1977: 91; Dealy et al.1981: 22; Cole 1982: 17; Johnson & Simon 1987: 192.
Cercocarpus ledifolius / Symphoricarpos oreophilus	curlleaf mountain mahogany / mountain snowberry	CERLED / SYMORE		CEGL000970	G2S2	BM, BR	Dealy 1975: 99-111.

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Chamaecyparis lawsoniana - Abies concolor - Pseudotsuga menziesii / (Mahonia nervosa var. nervosa) / Achlys triphylla	Port Orford cedar - white fir - Douglas-fir / (dwarf Oregongrape) / vanillaleaf	CHALAW - ABICON - PSEMEN / (MAHNER) / ACHTRI		CEGL000041	G2S2	CR, KM	Hawk 1977; Atzet & Wheeler 1984: 67, 72, 137; Atzet et al. 1996: ABCO 16.
Chamaecyparis lawsoniana - Abies concolor / Quercus sadleriana / Leucothe davisiae* - Rhododendron macrophyllum	Port Orford cedar - white fir / Sadler oak / leucothoe - western rhododendron	CHALAW - ABICON / QUESAD / LEUDAV - RHOMAC		CEGL000042	G2S2	CR, KM	Hawk 1977; Zobel et al. 1985.
Chamaecyparis lawsoniana - Picea sitchensis / Vaccinium ovatum - Rhododendron macrophyllum	Port Orford cedar - Sitka spruce / evergreen huckleberry - western rhododendron	CHALAW - PICSIT / VACOVA - RHOMAC		CEGL000054	G1S1	CR	unpublished
Chamaecyparis lawsoniana - Pseudotsuga menziesii / (Rhododendron macrophyllum) / Xerophyllum tenax	Port Orford cedar - Douglas-fir / (western rhododendron) / beargrass	CHALAW - PSEMEN / (RHOMAC) / XERTEN		CEGL000044	G2S2	CR, KM	Hawk 1977.
Chamaecyparis lawsoniana - Pseudotsuga menziesii / Lithocarpus densiflorus / Gaultheria shallon	Port Orford cedar - Douglas-fir / tanoak / salal	CHALAW - PSEMEN / LITDEN / GAUSHA		CEGL000043	G2S2	CR, KM	Hawk 1977: 117; Atzet & Wheeler 1984: 138, 166; Atzet et al. 1996: CHLA 14.
Chamaecyparis lawsoniana - Tsuga heterophylla / Polystichum munitum	Port Orford cedar - western hemlock / sword fern	CHALAW - TSUHET / POLMUN		CEGL000046	G2S2	CR, KM	Hawk 1977: 101; Atzet et al. 1996: CHLA 18.
Chamaecyparis lawsoniana - Tsuga heterophylla / Rhododendron macrophyllum - Gaultheria shallon	Port Orford cedar - western hemlock / western rhododendron - salal	CHALAW - TSUHET / RHOMAC - GAUSHA		CEGL000045	G2S2	CR, KM	Hawk 1977: 107; Atzet et al. 1996: CHLA 12.
Chamaecyparis lawsoniana / Lonicera hispidula / Festuca	Port Orford cedar / hairy honeysuckle / fescue	CHALAW / LONHIS / FESTUC	wetland	CEGL000047	G3S2	KM	Atzet et al. 1996: CHLA 8.
Chamaecyparis lawsoniana / Rhododendron occidentale / Carex	Port Orford cedar / western azalea / sedge ultramafic riparian	CHALAW / RHOCC / CAREX	wetland	CEGL000047	G2S2	KM	Hawk 1977: 157; Copeland 1978: 9; Becking et al. 1982: 9; Zobel et al. 1985: 34.
Chamaecyparis lawsoniana / Vaccinium ovatum	Port Orford cedar / evergreen huckleberry dune oldgrowth forest	CHALAW / VACOVA		CEGL000048	G1S1	CR	Hawk 1977; Christy et al. 1998: 40.
Chamaecyparis nootkatensis / Oplopanax horridus	Alaska cedar / devil's club	CHANO / OPLHOR	wetland	CEGL000349	G3S2	WC	Dyrness et al. 1974: 50.
Chamaecyparis nootkatensis / Vaccinium membranaceum	Alaska cedar / thin-leaved blueberry	CHANO / VACMEM		CEGL000350	G4S2	WC	Antos and Zobel 1986
Chiloscyphus polyanthos	waterwort aquatic bed	CHIPOL	wetland	CWWA000072	G5S3	CR, WC	Christy unpublished.
Chrysolepis chrysophylla var. chrysophylla	chinquapin	CHRCHR		new	G2S2	EC	unpublished
Cornus sericea	creek dogwood	CORSER	wetland	new33	G5S4	BM, BR, CB, EC, WC, WV	Diaz & Mellen 1996: 115; Titus et al. 1996; Moseley 1998: 31 (ID); Titus et al. 1998.
Cornus sericea - Prunus virginiana	creek dogwood - chokecherry	CORSER - PRUVIR	wetland	new620	GUSU	BM, EC	Titus et al. 1998
Cornus sericea - Salix (Salix hookeriana - Salix sitchensis)	creek dogwood - willow (Hooker willow - Sitka willow)	CORSER - SALIX (SALHOO - SALSIT)	wetland	CPQF3CSS0C	G3S3	CR, WV	Frenkel & Eilers 1976: 52; Kunze 1994: 29, 59, 97 (WA); Christy & Putera 1993: 40.
Cornus sericea - Symphoricarpos albus	creek dogwood - common snowberry	CORSER - SYMALB	wetland	new142	G4SU	BM, EC	Kovalchik 1992: 143 (WA); Crowe & Clausnitzer 1997: 152.
Corydalis (Corydalis aquae-gelidae, Corydalis scouleri)	Corydalis (Clackamas, Scouler)	CORYDA (CORAQU, CORSCO)	wetland	CEGL001939	G3?Q SU	WC	Diaz & Mellen 1996: 155.
Crataegus douglasii - Philadelphus lewisii	black hawthorn - mockorange	CRADOU - PHILEW	wetland	new617	GUSU	BM, CB	Titus et al. 1998.
Crataegus douglasii - Prunus virginiana	black hawthorn - chokecherry	CRADOU - PRUVIR	wetland	new618	GUSU	BM, CB	Titus et al. 1998.
Crataegus douglasii - Rosa woodsii	black hawthorn - Wood's rose	CRADOU - ROSWOO	wetland	CEGL001095	G2S1	BM, BR, CB	Moseley 1998: 45 (ID).
Crataegus douglasii - Symphoricarpos albus - (Populus tremuloides)	black hawthorn - common snowberry - (aspen)	CRADOU - SYMALB - (POPTRE)	wetland	CEGL001096	G1S1	BM	Crowe & Clausnitzer 1997: 154; Titus et al. 1998.
Crataegus douglasii - Symphoricarpos albus / Festuca idahoensis	black hawthorn - common snowberry / Idaho fescue	CRADOU - SYMALB / FESIDA		CEGL001096	G1S1	BM	Daubenmire 1970: 54, 123.
Crataegus douglasii / Heracleum maximum	black hawthorn / cow parsnip	CRADOU / HERMAX	wetland	CEGL001094	GUSU	EC	Titus et al. 1998.
Danthonia californica - Deschampsia cespitosa ultramafic fen	California oatgrass - tufted hairgrass ultramafic fen	DANCAL - DESCES ULTRAMAFIC FEN	wetland	new176	G2S2	KM	Titus & Christy 1996d.
Danthonia californica - Deschampsia cespitosa ultramafic prairie	California oatgrass - tufted hairgrass ultramafic prairie	DANCAL - DESCES ULTRAMAFIC PRAIRIE	wetland	new58	G2S2	KM	Titus & Christy 1996d, 1996e.
Danthonia californica - Festuca idahoensis ssp. idahoensis	California oatgrass - Idaho fescue	DANCAL - FESIDA		CEGL001076	G2S1	BM, BR	Moseley (riparian study)

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Danthonia californica - Festuca roemerii	California oatgrass - Roemer fescue	DANCAL - FESIDAR		CEGL001607	G1S1	KM	unpublished
Danthonia californica - Juncus tenuis	California oatgrass - slender rush seep	DANCAL - JUNTEN	wetland	new 501	G4S4	BM	unpublished
Danthonia californica valley grassland	California oatgrass valley grassland	DANCAL		CEGL001598	G1S1	KM, WV	Kagan 1983.
Darlingtonia californica ultramafic fen	Darlingtonia ultramafic fen	DARCAL	wetland	CEGL003046	G4?S2	KM	Hawk 1977; Titus & Christy 1996d.
Deschampsia cespitosa - (Carex lyngbyei - Distichlis spicata) salt marsh	tufted hairgrass - (Lyngby sedge - saltgrass) salt marsh	DESCES - (CARLYN - DISSPI)	wetland	new172	G3S2	CR	Dethier 1990: 37 (WA).
Deschampsia cespitosa - Argentina egedii salt marsh	tufted hairgrass - Pacific silverweed salt marsh	DESCES - ARGEGE	wetland	CWWA000075	G4S2	CR	Jefferson 1975: 58, 60; Stout 1976: 37; Frenkel et al. 1978: 89; Dethier 1990: 37 (WA); Boggs 1998: 152 (AK); Christy et al. 1998: 122.
Deschampsia cespitosa - Aster occidentalis	tufted hairgrass - western mountain aster meadow	DESCES - ASTOCC	wetland	new173	G4S3	BM, BR, EC, WC	Hall 1973: 5; Volland 1976: 21; Cole 1977: 100; Mairs 1977: 128; Hopkins 1979a: 12; Cole 1982: 7; Boss 1983: 173; Kovalchik 1987: 95; Johnson & Simon 1987: 224; Padgett et al. 1989: 109 (ID, UT); Manning & Padgett 1991: 408 (NV).
Deschampsia cespitosa - Carex aquatilis var. aquatilis	tufted hairgrass - water sedge meadow	DESCES - CARAQUA	wetland	new 504	G4S3	EC, BM	Stuth 1975: 68; Titus et al. 1998.
Deschampsia cespitosa - Carex douglasii	tufted hairgrass - Douglas' sedge alkaline prairie	DESCES - CARDOU	wetland	CEGL001602	G2S2	BM, BR, EC	Kagan unpublished (Ladd Marsh)
Deschampsia cespitosa - Carex microptera	tufted hairgrass - small-winged sedge meadow	DESCES - CARMIC	wetland	CEGL001883	G2G3 SU	BM	Stuth 1975: 69, 70; Titus et al. 1998.
Deschampsia cespitosa - Carex nebrascensis	tufted hairgrass - Nebraska sedge meadow	DESCES - CARNEB	wetland	CEGL001601	G3?S3	BM, EC	Christy & Cornelius 1980: plot 2; Manning & Padgett 1991: 412 (NV); Titus et al. 1998.
Deschampsia cespitosa - Danthonia californica valley prairie	tufted hairgrass - California oatgrass valley prairie	DESCES - DANCAL VALLEY PRAIRIE	wetland	CEGL001604	G2S2	KM, WV	Lippert & Jameson 1964: 191; Kauffman & Connelly 1988: 2; Connelly & Kauffman 1991: 9-10; Wilson et al. 1993: 41, 42; Titus et al. 1996.
Deschampsia cespitosa - Danthonia intermedia montane meadow	tufted hairgrass - timber oatgrass montane meadow	DESCES - DANINT VALLEY PRAIRIE	wetland	new505	GUSU	BM, EC	Titus et al. 1998.
Deschampsia cespitosa - Juncus balticus montane meadow	tufted hairgrass - Baltic rush montane meadow	DESCES - JUNBAL FRESHWATER	wetland	new174	G4S3	BM, BR, EC, WC	Volland 1976: 21; Hopkins 1979a: 12; Kovalchik 1987: 95 (in part); Crowe & Clausnitzer 1997: 190 (in part); Titus & Christy 1996a; Titus et al. 1998.
Deschampsia cespitosa - Juncus balticus salt marsh	tufted hairgrass - Baltic rush salt marsh	DESCES - JUNBAL TIDAL	wetland	new166	G4S2	CR	Taylor & Frenkel 1979: 74, 78; Taylor 1980: 71; Viereck et al. 1992: 166
Deschampsia cespitosa montane freshwater meadow	tufted hairgrass montane freshwater meadow	DESCES MONTANE	wetland	new505	G4S4	BM, EC	Hall 1973: 4, 5; Kovalchik 1987: 95; Crowe & Clausnitzer 1997: 190; Titus et al. 1998; Titus & Christy 1996a.
Deschampsia danthonoides - Danthonia unispicata vernal pool	annual hairgrass - onespikes oatgrass vernal pool	DESDAN - DANUNI	wetland	new167	G3S2	BM	Johnson & Simon 1987: 145.
Deschampsia danthonoides - Plagiobothrys leptocladus vernal pool	annual hairgrass - branched popcorn flower vernal pool	DESDAN - PLALEP	wetland	new59	G2S2	CB	Magee & Meinke 1984:33; Meinke & Magee 1986: 34.
Deschampsia danthonoides vernal pool	annual hairgrass vernal pool	DESDAN	wetland	new175	G2S2	KM	Christy & Titus 1996b; Bjork 1997: 10 (WA).
Distichlis spicata - (Salicornia virginica)	saltgrass - (glasswort) salt marsh	DISSPI - (SALVIR)	wetland	CWWA000077	G4S2	CR	Eilers 1984: 8; Dethier 1990: 32 (WA); Stout 1976: 35; Frenkel et al. 1978: 82, 89; Frenkel et al. 1981: 200; Frenkel & Boss 1988: 39.
Distichlis spicata - (Scirpus nevadensis) playa	alkali saltgrass - (Nevada bulrush) playa	DISSPI - (SCINEV)	wetland	CEGL001773	G4S4	BM, BR	Daubenmire 1970: 77 (WA).
Distichlis spicata playa	saltgrass playa	DISSPI INTERIOR ALKALINE	wetland	CEGL001770	G5S4	CB, BM, BR	Poulton 1955; Daubenmire 1970: 45, 50; Saul 1974: 7.
Downingia elegans vernal pool	common downingia vernal pool	DOWELE	wetland	new179	G2S1	WV	Kagan 1983; Alverson 1987.
Downingia yina - Navarretia leucocephala ssp. minima vernal pool	Cascade downingia - least navarretia vernal pool	DOWYIN - NAVLEUM	wetland	new60	G2S2	EC	Christy & Cornelius 1980: plot 7.
Downingia yina - Plagiobothrys bracteatus vernal pool	Cascade downingia - bracted popcorn flower vernal pool	DOWYIN - PLABRA	wetland	new180	G2S2	KM	Titus & Christy 1996b; Huddleston 1999.
Dulichium arundinaceum	threeway sedge marsh	DULARU	wetland	CEGL001831	G4S3	CR, EC, WC, WV	Kunze 1994: 28 (WA); Titus & Christy 1996a; Christy et al. 1998: 111; Titus et al. 1998; Christy 2001: 36.
Eleocharis acicularis	needle spikerush marsh	ELEACI	wetland	CEGL001832	G4S4	EC	Christy & Cornelius 1980; Boss 1983: 147; Titus et al. 1998.
Eleocharis acicularis - Ludwigia palustris	creeping spikerush - water purslane marsh	ELEPAL - LUDPAL	wetland	new181	G2S2	CR, WC, WV	Lippert & Jameson 1964: 192.
Eleocharis bella	delicate spikerush marsh	ELEBEL	wetland	new507	GUSU	BM	Crowe & Clausnitzer 1997: 200; Titus et al. 1998.
Eleocharis obtusa	ovoid spikerush sedge marsh	ELEOBT	wetland	new61	G4S3	WV	Titus et al. 1996.

Scientific name	Common name	Acronym	Wetland	ELCODE	Rank	Ecoreg	References with plot data
<i>Eleocharis palustris</i>	creeping spikerush marsh	ELEPAL	wetland	CEGL001833	G5S5	CR, WV, KM, WC, EC, CB, BM, BR	Padgett 1981: 79; Henderson & McAllister 1983: 2; Boss 1983: 67; Kovalchik 1987: 120; Evenden 1989: 45; Padgett et al. 1989: 94 (ID, UT); Manning & Padgett 1991: 384 (NV); Kunze 1994: 42, 45, 55 (WA); Rodwell 1995: 203 (UK); Crowe & Clausnitzer 1997: 182; Kovalchik 1992: 191 (WA); Moseley 1998: 47 (ID); Titus & Christy 1996a, 1996c, 1996e; Titus et al. 1998.
<i>Eleocharis palustris</i> - <i>Carex unilateralis</i>	creeping spikerush - one-sided sedge marsh	ELEPAL - CARUNI	wetland	new169	G2S2	WV	Lippert & Jameson 1964: 189.
<i>Eleocharis palustris</i> - <i>Juncus nevadensis</i>	creeping spikerush - Nevada rush marsh	ELEPAL - JUNNEV	wetland	new180	GUSU	CR	Christy et al. 1998: 112
<i>Eleocharis quinqueflora</i>	few-flowered spikerush marsh	ELEQUI	wetland	CEGL001836	G4S2	BM, BR, EC, WC	Seyer 1979: 37, 38; Wilson 1986: 19, 20; Kovalchik 1987: 110; Padgett et al. 1989: 104 (ID, UT); Kovalchik 1992: 177 (WA); Titus 1995b; Crowe & Clausnitzer 1997: 199 (in part); Titus et al. 1998.
<i>Eleocharis quinqueflora</i> - <i>Eriophorum criniger</i>	few-flowered spikerush - fringed cottongrass ultramafic fen	ELEQUI - ERICRI	wetland	new62	G2S2	KM	Titus & Christy 1996d.
<i>Eleocharis quinqueflora</i> / <i>Hamatocaulis vernicosus</i>	few-flowered spikerush / brown moss fen	ELEQUI / HAMVER	wetland	new181	G3S2	BM, BR, EC, WC	Campbell 1973: 36; Cole 1977: 102; Seyer 1979: 37, 38; Wilson 1986: 19, 20; Kovalchik 1987: 110; Manning & Padgett 1991: 399 (NV).
<i>Eleocharis rostellata</i>	beaked spikerush marsh	ELEROS	wetland	new182	G5S4	BR	unpublished
<i>Elodea canadensis</i>	Canadian waterweed bed	ELOCAN	wetland	CWWA000078	G5S5	CR, EC, WC, WV	Kunze 1994: 42, 46, 55 (WA); Rodwell 1995: 76 (UK); Titus et al. 1998; Titus & Christy 1996a.
<i>Elymus lanceolatus</i> - <i>Hesperostipa comata</i> Herbaceous Vegetation	downy wheatgrass - needle-and-thread	ELYLAN-HESCOM		CEGL001746	G1S1	CB	
<i>Elymus glaucus</i>	blue wildrye montane grassland	ELYGLA		CEGL001565	G3S2	BM, CR, EC	Kovalchik 1987: 138; Titus et al. 1998.
<i>Empetrum nigrum</i> - <i>Gaultheria shallon</i>	crowberry - salal oceanfront shrubland	EMPNIG - GAUSHA		CEGL000971	G2S2	CR	Kagan, Christy and Titus, 1998.
<i>Equisetum arvense</i>	common horsetail marsh	EQUARV	wetland	new (CEGL003314 ?)	G5S5	BM, CR, EC, WC, WV	Crowe & Clausnitzer 1997: 210; Diaz & Mellen 1997: 159; Titus et al. 1999 (WA); Titus et al. 1998.
<i>Equisetum fluviatile</i>	water horsetail marsh	EQUFLU	wetland	CEGL001960	G4S3	CR, EC, WC	Viereck et al. 1992: 196 (AK); Kovalchik 1992: 187 (WA); Christy & Putera 1993: 40; Kunze 1994: 56, 80 (WA); Rodwell 1995: 172 (in part; UK); Shephard 1995: 191 (AK); Titus et al. 1998; Boggs 1998: 164 (AK).
<i>Eragrostis hypnoides</i> - <i>Gnaphalium palustre</i> vernal pool	creeping lovegrass - lowland cudweed vernal pool	ERAHYP - GNAPAL	wetland	new63	G2S1	WV	Titus et al. 1996.
<i>Eriogonum douglasii</i> / <i>Poa secunda</i>	Douglas buckwheat / <i>Poa secunda</i> Dwarf-shrub Herbaceous	ERRDOU / POASEC		CEGL001785	G3S3	BM, CB	Daubenmire 1970 (WA); Johnson & Simon 1987: 148.
<i>Eriogonum microthecum</i> - <i>Physaria oregana</i>	buckwheat - Oregon bladderpod scabland	ERIMIC - PHYORE		CEGL001737	G3S2	BM	Daubenmire 1970 (WA); Johnson & Simon 1987: 205.
<i>Eriogonum strictum</i> / <i>Poa secunda</i>	Strict buckwheat / Sandberg bluegrass scabland	ERISTR / POASEC		CEGL001788	G4S4	BM, CB	Johnson & Simon 1987: 152.
<i>Eryngium petiolatum</i> - <i>Grindelia nana</i> vernal pool	coyote-thistle - low gumweed vernal pool	ERYPET - GRINAN	wetland	new170	G2S1	WV	Lippert & Jameson 1964: 193.
<i>Eryngium petiolatum</i> - <i>Lasthenia glaberrima</i> vernal pool	coyote-thistle - smooth lasthenia vernal pool	ERYPET - LASGLA	wetland	new183	G2S1	WV	Alverson 1987.
<i>Euthamia occidentalis</i>	western goldenrod strand	EUTOCC	wetland	CWWA000080	G3S3	WV	Christy & Putera 1993: 41; Kunze 1994: 49 (WA).
<i>Festuca brachyphylla</i>	sheep fescue subalpine grassland	FESBRA		CEGL001797	G4S3	BM, BR	Douglas & Bliss 1977: 128 (WA).
<i>Festuca brachyphylla</i> - <i>Trisetum spicatum</i>	sheep fescue - spike oatgrass	FESBRA - TRISPI		new184	G4S4	BM	unpublished
<i>Festuca idahoensis</i> - <i>Eriogonum heracleoides</i>	Idaho fescue - Wyeth buckwheat	FESIDA - ERIHER		CEGL001616	G2	BM	Ganskopp 1979; Daubenmire 1970 (WA).
<i>Festuca idahoensis</i> - ( <i>Hieraceum cynoglossoides</i> )	Idaho fescue - (houndstongue hawkweed)	FESIDA - (HIECYN)		CEGL001619	G2S2	CB, EC	Daubenmire 1970 (WA).
<i>Festuca idahoensis</i> - ( <i>Koeleria macrantha</i> )	Idaho fescue - (prairie junegrass)	FESIDA - (KOEMAC)		CEGL001620	G4S2	CB, BM	Poulton 1955: 115; Tisdale 1979: 6; Johnson & Simon 1987: 33, 39, 44, 51.
<i>Festuca idahoensis</i> - ( <i>Symphoricarpos albus</i> )	Idaho fescue - (common snowberry)	FESIDA - (SYMALB)		CEGL001509	G2S2	CB, BM	Daubenmire 1970 (WA); Johnson & Simon 1987: 50, 68.
<i>Festuca idahoensis</i> - <i>Carex hoodii</i>	Idaho fescue - Hood sedge	FESIDA - CARHOO		CEGL001609	G3S3	BM	Johnson & Simon 1987: 80.
<i>Festuca campestris</i> - <i>Festuca idahoensis</i> grassland	rough fescue - Idaho fescue grassland	FESIDA - FESCAM		CEGL001628	G3S3	BM, BR	Hall 1973: 45.
<i>Festuca idahoensis</i> subalpine grassland	Idaho fescue subalpine grassland	FESIDA SUBALPINE		CEGL001897	G3S3	BM, BR	Hall 1973: 45.
<i>Festuca roemerii</i> - <i>Sidalcea virgata</i>	Roemer fescue valley prairie	FESROE- SIDVIR		CEGL001744	G1S1	WV	Magee 1985: 6.



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<i>Festuca rubra</i> - Armeria maritima coastal headland grassland	red fescue - sea-pink coastal headland grassland	FESRUB - ARMMAR		CEGL001567	G2S2	CR	Wiedemann 1966; Wiedemann 1984.
<i>Festuca rubra</i> - Danthonia californica	red fescue - California oatgrass south coast headland or hillslope grassland	FESRUB - DANCAL		CEGL001597	G2S2	CR	unpublished
<i>Festuca rubra</i> - Juncus lesueurii	red fescue - salt rush	FESRUB - JUNLES	wetland	CWWA000180	G3S3	CR	Christy et al. 1998: 96.
<i>Festuca rubra</i> - Pteridium aquilinum	red fescue - bracken sand dunes	FESRUB - PTEAQU		new	G3S3	CR	Christy et al. 1998: 98
<i>Festuca rubra</i> dune grasslands	red fescue stabilized sand dunes	FESRUB DUNE		CEGL001774	G1S1	CR	Christy et al. 1998: 94.
<i>Festuca rubra</i> montane grassland	red fescue montane grassland	FESRUB MONTANE		CEGL001568	G3S2	CR, WC	unpublished
<i>Festuca viridula</i> - Carex hoodii	green fescue - Hood sedge	FESVIR - CARHOO		CEGL001596	G3S3	BM	Cole 1982: 39; Johnson & Simon 1987: 20.
<i>Festuca viridula</i> - Lupinus laxiflorus	green fescue - spurred lupine	FESVIR - LUPLAX		CEGL001634	G4S3	BM	Johnson & Simon 1987: 24.
<i>Fontinalis antipyretica</i>	fountain moss bed	FONANT	wetland	CWWA000083	G5S5	CR, EC, WC, WV	Seyer 1979: 45, 46; Viereck et al. 1992: 209 (AK).
<i>Fontinalis neomexicana</i>	New Mexico fountain moss bed	FONNEO	wetland	CWWA000084	G3G4 S3	CR, WC	Christy unpublished (Fanno Meadows)
<i>Fraxinus latifolia</i> - (Populus balsamifera ssp. trichocarpa) / Cornus sericea	Oregon ash - (black cottonwood) / creek dogwood	FRALAT - (POPBAL) / CORSER	wetland	CEGL003390	G4S4	CR, WV	Smith & Smith 1976: 115, 159, 183; Christy & Putera 1993: 41; Kunze 1994: 52 (WA); Titus et al. 1996.
<i>Fraxinus latifolia</i> - Populus balsamifera ssp. trichocarpa / Acer circinatum	Oregon ash - black cottonwood / vine maple	FRALAT - POPBAL / ACECIR	wetland	CEGL003404	G3S3	WV	Titus et al. 1996.
<i>Fraxinus latifolia</i> - Populus balsamifera ssp. trichocarpa / Corylus cornuta - Physocarpus capitatus	Oregon ash - black cottonwood / hazelnut - ninebark	FRALAT - POPBAL / CORCOR - PHYCAP	wetland	CEGL003364	G3S3	WV	Titus et al. 1996.
<i>Fraxinus latifolia</i> - Populus balsamifera ssp. trichocarpa / Rubus spectabilis	Oregon ash - black cottonwood / salmonberry	FRALAT - POPBAL / RUBSPE	wetland	CEGL003405	G3S2	WV	Titus et al. 1996.
<i>Fraxinus latifolia</i> - Populus balsamifera ssp. trichocarpa / Symphoricarpos albus	Oregon ash - black cottonwood / snowberry	FRALAT - POPBAL / SYMALB	wetland	CEGL000641	G4S4	CR, KM, WV	Smith & Smith 1976: 165; Heinitz 1982: 20; Frenkel & Heinitz 1987: 208; Kunze 1994: 33, 53 (WA); Titus et al. 1996.
<i>Fraxinus latifolia</i> / Carex deweyana - Urtica dioica	Oregon ash / Dewey sedge - stinging nettle	FRALAT / CARDEW - URTDIO	wetland	CEGL003393	G2SU	WV	Christy & Putera 1993: 41; Kunze 1994: 52 (WA); Titus et al. 1996.
<i>Fraxinus latifolia</i> / Carex obnupta	Oregon ash / slough sedge	FRALAT / CAROBN	wetland	CEGL000640	G4S4	WV	Heinitz 1982: 20; Marshall 1985: 142; Frenkel & Heinitz 1987: 208; Kunze 1994: 33 (WA); Titus et al. 1996.
<i>Fraxinus latifolia</i> / Juncus patens	Oregon ash / spreading rush	FRALAT / JUNPAT	wetland	CEGL003391	G2S2	KM, WV	Titus & Christy 1996c.
<i>Fraxinus latifolia</i> / Spiraea douglasii	Oregon ash / hardhack	FRALAT / SPIDOU	wetland	CEGL003392	G3S3	WV	Titus et al. 1996.
<i>Fraxinus latifolia</i> / Symphoricarpos albus	Oregon ash / common snowberry	FRALAT / SYMALB	wetland	CEGL003393	G4S4	KM, WV	Heinitz 1982: 20; Frenkel & Heinitz 1987: 208; Kunze 1994: 33 (WA); Titus et al. 1996.
<i>Gaultheria shallon</i> - Rubus spectabilis / (Polystichum munitum)	north coast headland shrubland	GAUSHA - RUBSPE / (POLMUN)		CVNFGSRGP1	G4S3	CR	unpublished
<i>Gaultheria shallon</i> - Vaccinium ovatum / Pteridium aquilinum	coastal dune shrubland	GAUSHA - VACOVA / PTEAQU		CEGL000972	G3S3	CR	Wiedemann 1966; Kumler 1969: 700; Wiedemann 1984.
<i>Gilia aggregata</i>	xeric herb rich montane meadow	GILAGG XERIC		CVQGGGA00G1	G4S4	WC, EC, BM	unpublished
<i>Glossopetalon spinescens</i> var. aridum / Pseudoroegneria spicata	spiny greenbush / bluebunch wheatgrass	GLOSPIA / PSESPI		CEGL001100	G4S3	BM, BR	Johnson & Somon 1987: 195.
<i>Glyceria borealis</i>	northern mannagrass marsh	GLYBOR	wetland	CEGL001569	G4S4	BM, BR, EC	Boss 1983: 146; Sanville et al. 1986: 127; Manning & Padgett 1991: 452 (NV); Viereck et al. 1992: 182 (AK); Kovalchik 1992: 179 (WA) Titus et al. 1998; Titus & Christy 1996a.
<i>Glyceria grandis</i>	American mannagrass marsh	GLYGRA	wetland	CEGL003429	G2S2	BR	Evenden 1989: 45
<i>Glyceria striata</i>	fowl mannagrass marsh	GLYSTR	wetland	CEGL000219	G3S3	BM, EC	Kauffman 1982: 59; Kauffman et al. 1985: 16; Manning & Padgett 1991: 452 (NV); Crowe & Clausnitzer 1997: 208; Titus & Christy 1996a; Titus et al. 1998.
<i>Gratiola ebracteata</i> - Plagiobothrys bracteatus vernal pool	bractless hedge-hyssop - bracted popcorn flower vernal pool	GRAEBR - PLABRA	wetland	new75	G2S2	KM	Titus & Christy 1996b.
<i>Grayia spinosa</i> / Elymus elymoides	spiny hopsage / bunchgrass	GRASPI / ELYELY		CVJFAS0AS1	GUSU	BR	Easterly & Salstrom 1998: 28 (WA).
<i>Hippuris vulgaris</i>	common mares-tail marsh	HIPVUL	wetland	CWWA000091	G5S3	CR, EC, WV	Viereck et al. 1992: 205 (AK); Kunze 1994: 22 (WA); Boggs 1998: 168 (AK); Christy & Brophy 2002.

Scientific name	Common name	Acronym	Wetland	ELCODE	Rank	Ecoreg	References with plot data
<i>Hydrocotyle ranunculoides</i>	floating water-pennywort marsh	HYDRAN	wetland	new64	G5S3	CR	Christy et al. 1998: 132.
<i>Isoetes nuttallii</i>	Nuttall quillwort bed	ISONUT	wetland	CEGL003055	G2G3 S2S3	WV	Titus et al. 1996.
<i>Isoetes nuttallii</i> - <i>Plagiobothrys bracteatus</i> vernal pool	Nuttall quillwort - bracted popcorn flower vernal pool	ISONUT - PLABRA	wetland	new66	G2S2	KM	Titus et al. 1996.
<i>Juncus balticus</i>	Baltic rush marsh	JUNBAL	wetland	CEGL001838	G5S5	CR, WV, KM, WC, EC, CB, BM, BR	Volland 1976: 20; Taylor & Frenkel 1979: 60; Taylor 1980: 57; Padgett 1981: 73; Henderson & McAllister 1983: 2; Kovalchik 1987: 138; Evenden 1989: 47; Padgett et al. 1989: 111 (ID, UT); Manning & Padgett 1991: 436 (NV); Kunze 1994: 22 (WA); Crowe & Clausnitzer 1997: 194; Titus & Christy 1996a, 1996c; Titus et al. 1998.
<i>Juncus balticus</i> - <i>Carex obnupta</i>	Baltic rush - slough sedge marsh	JUNBAL - CAROBN	wetland	new184	G4S4	CR, WV	Taylor & Frenkel 1979: 60; Taylor 1980: 57; Kunze 1994: 22 (WA).
<i>Juncus balticus</i> - <i>Scirpus nevadensis</i>	Baltic rush - Nevada bulrush playa	JUNBAL - SCINEV	wetland	new182	G4S4	BR	unpublished
<i>Juncus bufonius</i>	toad rush marsh	JUNBUF	wetland	CWWA000182	G5S5	CR, WV, KM, WC, EC, CB, BM, BR	Titus et al. 1996; Titus et al. 1999 (WA).
<i>Juncus effusus</i>	soft rush marsh	JUNEFF	wetland	CEGL004112	G5S5	CR, WV, KM, WC, EC, CB, BM, BR	Titus & Christy 1996e.
<i>Juncus ensifolius</i>	dagger-leaf rush marsh	JUNENS	wetland	new67	G4S4	KM	Titus & Christy 1996c; Titus et al. 1999 (WA).
<i>Juncus falcatus</i> - ( <i>Juncus lesueurii</i> - <i>Juncus nevadensis</i> )	sickle-leaved rush - (salt rush - Nevada rush) marsh	JUNFAL - (JUNLES - JUNNEV)	wetland	CEGL001570	G3S3	CR	Kunze 1994:85 (WA); Christy et al. 1988: 102.
<i>Juncus lesueurii</i>	salt rush marsh	JUNLES	wetland	new185	G3S3	CR	Christy et al. 1998: 100.
<i>Juncus nevadensis</i>	Nevada rush marsh	JUNNEV	wetland	new186	G4S4	EC	Christy & Cornelius 1980: plot 6, 24; Kovalchik 1987: 138; Manning & Padgett 1991: 453 (NV); Titus & Christy 1996a; Titus et al. 1998.
<i>Juniperus occidentalis</i> - <i>Pinus ponderosa</i> / <i>Artemisia tridentata</i>	western juniper - ponderosa pine / big sagebrush - bitterbrush	JUNOCC - PINPON / ARTTRI - PURTRI		CEGL001725	G4S4	EC, BM	Hopkins 1979a (Fremont).
<i>Juniperus occidentalis</i> / <i>Artemisia arbuscula</i> / <i>Danthonia unispicata</i> - <i>Poa secunda</i>	western juniper / low sagebrush / onespoke oatgrass - Sandberg bluegrass	JUNOCC / ARTARB / DANUNI - POASEC		CEGL001715	G3S3	BM, BR, CB	Johnson & Clausnitzer 1992: 130 (in part).
<i>Juniperus occidentalis</i> / <i>Artemisia arbuscula</i> / <i>Festuca idahoensis</i>	western juniper / low sagebrush / Idaho fescue	JUNOCC / ARTARB / FESIDA		CEGL001716	G3S3	EC, BM, BR	Ecker 1957: 135; Hall 1973: 18; Hopkins 1979a: 16.
<i>Juniperus occidentalis</i> / <i>Artemisia arbuscula</i> / <i>Pseudoroegneria spicata</i>	western juniper / low sagebrush / bluebunch wheatgrass	JUNOCC / ARTARB / PSESPI		CEGL001717	G4S4	BM, BR, CB	Ecker 1957: 153; Hall 1973: 18; Johnson & Clausnitzer 1992: 130 (in part).
<i>Juniperus occidentalis</i> / <i>Artemisia rigida</i> / <i>Poa secunda</i>	western juniper / rigid sagebrush / Sandberg bluegrass	JUNOCC / ARTRIG / POASEC		CEGL001718	G2G3 S3	BM, BR, CB	Hall 1973: 17; Johnson & Clausnitzer 1992: 130.
<i>Juniperus occidentalis</i> / <i>Artemisia tridentata</i> - <i>Purshia tridentata</i>	western juniper / big sagebrush - bitterbrush / bunchgrass	JUNOCC / ARTTRI - PURTRI		CEGL001722	G4S4	EC, BM, BR	Driscoll 1964: 26.
<i>Juniperus occidentalis</i> / <i>Artemisia tridentata</i> / <i>Carex filifolia</i>	western juniper / big sagebrush / threadleaf sedge	JUNOCC / ARTTRI / CARFIL		CEGL001719	G1S1	BM	Franklin et al. 1972.
<i>Juniperus occidentalis</i> / <i>Artemisia tridentata</i> / <i>Festuca idahoensis</i>	western juniper / big sagebrush / Idaho fescue	JUNOCC / ARTTRI / FESIDA		CEGL001720	G3S3	EC, BM, BR	Eckert 1957: 109; Driscoll 1964: 14; Hall 1973: 19; Hopkins 1979a; Dealy et al.1981: 25.
<i>Juniperus occidentalis</i> / <i>Artemisia tridentata</i> / <i>Pseudoroegneria spicata</i>	western juniper / big sagebrush / bluebunch wheatgrass	JUNOCC / ARTTRI / PSESPI		CEGL001721	G3S3	EC, BM, BR	Eckert 1957: 69; Driscoll 1964: 20, 22, 30; Hall 1973: 19; Hopkins 1979a; Dealy et al. 1981: 25.
<i>Juniperus occidentalis</i> / <i>Artemisia tridentata</i> var. <i>vaseyana</i>	western juniper / mountain big sagebrush	JUNOCC / ARTTRIV		CEGL000723	G4S4	EC, BM	Johnson & Clausnitzer 1992: 129.
<i>Juniperus occidentalis</i> / <i>Cercocarpus ledifolius</i> - <i>Symphoricarpos oreophilus</i>	western juniper / curleaf mountain mahogany - mountain snowberry	JUNOCC / CERLED - SYMORE		CEGL000726	G2S2	BR	Dealy 1975: 91-111; Dealy et al.1981: 22.
<i>Juniperus occidentalis</i> / <i>Cercocarpus ledifolius</i> / <i>Carex geyeri</i>	western juniper / curleaf mountain mahogany / elk sedge	JUNOCC / CERLED / CARGEY		CEGL000724	G2S2	BM, BR	Dealy 1975: 91; Johnson & Clausnitzer 1992: 129.
<i>Juniperus occidentalis</i> / <i>Cercocarpus ledifolius</i> / <i>Pseudoroegneria spicata</i>	western juniper / curleaf mountain - mahogany rimrock & canyons	JUNOCC / CERLED / PSESPI		CEGL000725	G4S4	BM, BR	Dealy 1975: 85; Johnson & Clausnitzer 1992: 129.

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<i>Juniperus occidentalis</i> / <i>Festuca idahoensis</i>	western juniper / Idaho fescue	JUNOCC / FESIDA		CEGL001724	G3S2	EC, BM	Driscoll 1964: 16, 28; Hall 1973: 16; Johnson & Simon 1987: 183; Johnson & Clausnitzer 1992: 127.
<i>Juniperus occidentalis</i> / <i>Poa secunda</i> - <i>Achnatherum occidentale</i>	western juniper / Sandberg bluegrass - western needlegrass	JUNOCC / POASEC - ACHOCC		CEGL001727	G1S1	BM	unpublished
<i>Juniperus occidentalis</i> / <i>Pseudoroegneria spicata</i>	western juniper / bluebunch wheatgrass	JUNOCC / PSESPI		CEGL001728	G3S3	BM, BR, CB, EC	Driscoll 1964: 24
<i>Juniperus occidentalis</i> / <i>Pseudoroegneria spicata</i> - <i>Festuca idahoensis</i>	western juniper / bluebunch wheatgrass - Idaho fescue	JUNOCC / PSESPI - FESIDA		new	G4S3	BM, BR	Driscoll 1964: 24; Hall 1973: 16; Johnson & Clausnitzer 1992: 127; Johnson & Simon 1987: 126
<i>Juniperus occidentalis</i> / <i>Achnatherum thurberiana</i>	western juniper / Thurber's needlegrass	JUNOCC / ACHTHUR		CEGL002635	G2S2	BM, BR	Juniper Hills
<i>Juniperus occidentalis</i> / <i>Purshia tridentata</i> / <i>Festuca idahoensis</i> - <i>Pseudoroegneria spicata</i>	western juniper / bitterbrush / Idaho fescue - bluebunch wheatgrass	JUNOCC / PURTRI / FESIDA - PSESPI		CEGL002622	G4S3	EC, BM	Driscoll 1964: 18, 26; Segura-Bustamante 1970: 143; Volland 1976: 31; Johnson & Clausnitzer 1992: 125.
<i>Kalmia microphylla</i> / <i>Carex aquatilis</i> var. <i>dives</i>	bog laurel / Sitka sedge shrub swamp	KALMIC / CARAQUD	wetland	new47	GUSU	WC	Frenkel et al. 1986: 33.
<i>Kalmia microphylla</i> / <i>Carex nigricans</i>	bog laurel / black alpine sedge shrub swamp	KALMIC / CARNIG	wetland	CEGL001402	G3S2	BM, BR	Cole 1977: 104; Hamann 1972; Kovalchik 1992: 102 (WA).
<i>Kalmia microphylla</i> / <i>Carex scopulorum</i>	bog laurel / Holm sedge shrub swamp	KALMIC / CARSCO	wetland	CEGL001403	G3G4 S4	BM	Cole 1977: 104.
<i>Krascheninnikovia lanata</i> / <i>Poa secunda</i> - <i>Elymus elymoides</i>	winterfat / Sandberg bluegrass - bottlebrush squirreltail flat	KRALAN / POASEC - ELYELY		CEGL001326	G3S2	BR	Daubenmire 1970 (WA).
<i>Lasthenia californica</i> vernal pool	goldfields vernal pool	LASCAL	wetland	new68	G3S2	KM	Huddleston 1999
<i>Ledum glandulosum</i> - <i>Gaultheria shallon</i> / <i>Carex obnupta</i>	western Labrador tea - salal / slough sedge bog	LEDGLA - GAUSHA / CAROBN	wetland	CEGL003437	G2S2	CR	Christy 2001: 23; Christy & Brophy 2002.
<i>Ledum glandulosum</i> - <i>Myrica gale</i>	western Labrador tea - sweet gale heath	LEDGLA - MYRCAL	wetland	new	G1S1	CR	Christy 2001: 25.
<i>Ledum glandulosum</i> / <i>Carex obnupta</i> / <i>Sphagnum</i>	western Labrador tea / slough sedge / sphagnum bog	LEDGLA / CAROBN / SPHAGN	wetland	CEGL003434	G2S2	CR	Christy 2001: 16, 17.
<i>Ledum glandulosum</i> / <i>Darlingtonia californica</i> / <i>Sphagnum</i>	western Labrador tea / darlingtonia / sphagnum bog	LEDGLA / DARCAL / SPHAGN	wetland	CEGL003435	G2S2	CR	Christy 2001: 19, 21.
<i>Ledum glandulosum</i> / <i>Sanguisorba officinalis</i> / <i>Sphagnum</i>	western Labrador tea / burnet / sphagnum bog	LEDGLA / SANOFF / SPHAGN	wetland	CEGL003436	G1G2 S1S2	CR	Christy 2001: 22.
<i>Lemna minor</i>	duckweed bed	LEMMIN	wetland	CWWA000097	G5S5	CR, WV, KM, WC, EC, CB, BM, BR	Kunze 1994: 43, 46, 56 (WA); Rodwell 1995: 30 (UK); Titus et al. 1996.
<i>Lepidium davisii</i>	Davis' pepperweed	LEPDAV	wetland	new196	GUSU	BR	Moseley 1998: 48 (ID).
<i>Leymus cinereus</i>	basin wildrye bottomlands	LEYCIN	wetland	CEGL001480	G1S1	BM, BR, CB, EC	Daubenmire 1970; Day & Wright 1985: 4 (ID); Johnson & Simon 1987: 210.
<i>Leymus cinereus</i> - <i>Distichlis spicata</i>	giant wildrye alkali marsh - saltgrass	LEYCIN - DISSPI	wetland	CEGL001481	G3SU	CB, BR	Poulton 1955: 70; Daubenmire 1970: 50 (WA).
<i>Leymus mollis</i> ssp. <i>mollis</i> - <i>Lathyrus japonicus</i>	unstabilized coastal dune wildrye	LEYMOL - LATJAP		CEGL001796	G1S1	CR	Wiedemann 1966; Christy et al. 1998: 92.
<i>Leymus triticoides</i> - <i>Poa secunda</i> ssp. <i>juncifolia</i>	creeping wildrye - alkali bluegrass playa	LEYTRI - POASECJ	wetland	CEGL001572	G3S2	BR	Easterday & Mamone 1980: 14.
<i>Lilaeopsis occidentalis</i>	Lilaeopsis marsh	LILOCC	wetland	CWWA000098	G3S3	CR, WV	Christy & Putera 1993: 40; Kunze 1994: 56, 97 (WA).
<i>Lomatium martindalei</i> rock garden	Martindale lomatium rock garden	LOMMAR ROCK GARDEN		CEGL001972	G2S2	CR	unpublished
<i>Ludwigia palustris</i> - <i>Polygonum hydropiperoides</i>	water purslane - waterpepper marsh	LUDPAL - POLHYD	wetland	CWWA000099	G2S2	KM, WV	Christy & Putera 1993: 40; Kunze 1994: 46 (WA); Titus et al. 1996; Christy et al. 1998: 131.
<i>Luetkea pectinata</i> - <i>Saxifraga tolmiei</i>	partridgefoot - Tolmie saxifrage	LUEPEC - SXTOL	wetland	CEGL001918	G4S4	EC, WC	Douglas 1972: 153.
<i>Lupinus littoralis</i> dune community	seashore lupine dunes	LUPLIT DUNES		CEGL001974	G3S3	CR	Wiedemann 1966; Davidson 1967: 46; Christy et al. 1998: 130.
<i>Lupinus polyphyllus</i>	bigleaf lupine prairie	LUPPOL		new	G4S3	CR, WV	unpublished
<i>Lysichiton americanus</i> - <i>Athyrium filix-femina</i>	skunk cabbage - lady fern marsh	LYSAME - ATHFIL	wetland	CWWA000100	G4S4	EC, WC	Diaz & Mellen 1996: 167; Titus et al. 1998.
<i>Malus fusca</i>	crabapple shrub swamp	MALFUS	wetland	CWWA000101	G3S3	CR, WV	Kunze 1994: 34 (WA); Christy unpublished (Tonquin scablands).
<i>Malus fusca</i> - <i>Salix hookeriana</i> / <i>Carex obnupta</i>	crabapple - Hooker willow / slough sedge shrub swamp	MALFUS - SALHOO / CAROBN	wetland	CWWA000102	G3S3	CR	Boss 1983: 51; Sanville et al. 1986: 127; Christy & Putera 1993: 40; Kunze 1994: 93 (WA); Christy et al. 1998: 80; Christy 2001: 27.

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Marchantia polymorpha - Philonotis fontana	Marchantia - apple moss riparian	MARPOL - PHIFON	wetland	CWWA000103	G3S3	BM, BR, EC, KM	Rodwell 1991: 319 (in part; UK); Brett et al. 1998: 28 (in part; BC).
Menyanthes trifoliata	buckbean marsh	MENTRI	wetland	CWWA000104	G5S4	BM, CR, EC, WC, WV	Viereck et al. 1992: 198 (AK); Shephard 1995: 197 (AK); Crowe & Clausnitzer 1997: 200; Titus et al. 1996; Titus et al. 1998; Boggs 1998: 171 (AK); Christy 2001: 38.
Mertensia paniculata - Urtica dioica ssp. gracilis	bluebell - stinging nettle seep	MERPAN - URTDIO	wetland	new204	G4S4	BM	Cole 1977: 96; Cole 1982: 17.
Mimulus - Saxifraga	monkeyflower - saxifrage seep	MIMULU - SAXIFR	wetland	new205	G4S4	BM, EC, WC	Hemstrom et al. 1987: 253.
Mimulus guttatus	yellow monkeyflower marsh	MIMGUT	wetland	CWWA000105	G4S4	EC, WC	Diaz & Mellen 1996: 171.
Muhlenbergia richardsonis	mat muhly	MUHRIC	wetland	new212	GUSU	BR	unpublished
Myosurus minimus - Plagiobothrys bracteatus vernal pool	mousetail - bracted popcorn flower vernal pool	MYOMIN - PLABRA	wetland	new206	G2S2	KM	unpublished
Myrica gale	sweet gale fen	MYRGAL	wetland	CEGL005141	G4S1	CR, WC	Christy 2001: 26.
Myriophyllum hippuroides	western water-milfoil bed	MYRHIP	wetland	CWWA000111	G3S2	WV	Christy & Putera 1993: 39; Kunze 1994: 47, 57 (WA).
Myriophyllum sibiricum	Siberian water-milfoil bed	MYRSIB	wetland	new213	G4S4	WC	Titus et al. 1996.
Navarretia intertexta - Polygonum kelloggii vernal pool	needle-leaf navarretia - Kellogg knotweed vernal pool	NAVINT - POLKEL	wetland	new208	G2S2	BM	Johnson & Simon 1987: 224.
Navarretia leucocephala - Plagiobothrys bracteatus vernal pool	navarretia - bracted popcorn flower vernal pool	NAVLEU - PLABRA	wetland	new208	G2S2	KM	Huddleston 1999; Titus & Christy 1996b.
Nuphar lutea ssp. polysepalum	pond-lily bed	NUPLUTP	wetland	CEGL002001	G5S5	BM, CR, EC, WC, WV	Seyer 1979: 46; Kovalchik 1992: 183 (WA); Viereck et al. 1992: 204 (AK); Kunze 1994: 23, 80 (WA); Rodwell 1995: 48 (UK); Shephard 1995: 187 (AK); Boggs 1998: 172 (AK); Christy et al. 1998: 134; Titus & Christy 1996a, 1997; Titus et al. 1998.
Oenanthe sarmentosa	water-parsley marsh	OENSAR	wetland	CWWA000113	G4S4	CR, WV	Frenkel et al. 1978: 99; Taylor & Frenkel 1979: 54; Taylor 1980: 51; Mitchell 1981: 114; Boss 1983: 107; Frenkel & Morlan 1990: 47; Titus et al. 1996.
Oplopanax horridus	devil's club shrub swamp	OPLHOR	wetland	CWWA000114	G4S3	WC	Diaz & Mellen 1996: 119.
Oxalis (oregana - trillifolia) - (Corydalis scouleri)	Oxalis - Corydalis riparian	OXALIS (OVAORE - OXOTRI) - (CORSCO)	wetland	new215	GUSU	WC	Diaz & Mellen 1996: 175.
Paspalum distichum	knotgrass marsh	PASDIS	wetland	CWWA000115	G3S3	CR, WV	Christy & Putera 1993: 40; Kunze 1994: 47 (WA); Christy et al. 1998: 114.
Petasites frigidus	coltsfoot riparian	PETFRI	wetland	CWWA000116	G5S5	EC, WC	Diaz & Mellen 1996: 179.
Philadelphus lewisii	mockorange	PHILEW	wetland	CEGL001170	G2S2	BM, BR, CB	Moseley 1998: 45 (ID).
Phragmites australis	common reed marsh	PHRAUS	wetland	CEGL001475	G5S3	CB, BM, BR	Myhre & Clements 1972: 4; Rodwell 1995: 140 (in part; UK).
Phyllodoce empetriformis - Cassiope mertensiana	red mountain heath - Merten mountain heather	PHYEMP - CASMER		CEGL001398	G5S4	BM, WC, EC	Douglas & Bliss 1977: 126, 127 (WA); del Moral 1979 (WA).
Phyllodoce empetriformis parkland	red mountain heath parkland	PHYEMP PARKLAND		CEGL001404	G5S5	BM, WC, EC	Kuramoto & Bliss 1970: 324 (WA); Douglas and Bliss 1977: 127 (WA); Cole 1977: 112; Cole 1982: 19.
Physocarpus malvaceus - Symphoricarpos albus	mallow ninebark - common snowberry	PHYMAL - SYMALB		CEGL001171	G3S3	BM, CB	Hall 1973: 23; Ganskopp 1979: 71; Johnson & Somon 1987: 177.
Picea breweriana - Abies concolor / Chimaphila umbellata	Brewer spruce - white fir / prince's-pine	PICBRE - ABICON / CHIUMB		CEGL000050	G1S1	KM	Atzet & Wheeler 1984: 64.
Picea breweriana - Abies concolor / Gaultheria ovatifolia - Orthilia secunda	Brewer spruce - white fir / salal / one-sided wintergreen	PICBRE - ABICON / GALOVA / ORTSEC		CEGL000051	G1S1	KM	Atzet & Wheeler 1984: 63.
Picea breweriana - Abies concolor / Vaccinium membranaceum / Goodyera oblongifolia	Brewer spruce - white fir / thin-leaved blueberry / rattlesnake-plantain	PICBRE - ABICON / VACMEM / GOOBL		CEGL000052	G1S1	KM	Atzet & Wheeler 1984: 62.
Picea breweriana - Chamaecyparis lawsoniana - Abies concolor / Quercus vaccinifolia	Brewer spruce - Port Orford cedar - white fir / shrub oak	PICBRE - CHALAW - ABICON / QUEVAC		CEGL000049	G1S1	KM	Atzet & Wheeler 1984.
Picea engelmannii - (Abies lasiocarpa) / Gymnocarpium dryopteris	Engelmann spruce - (subalpine fir) / oak fern	PICENG - (ABILAS) / GYMDRY		CEGL002611	G3G4 SU	EC	Kovalchik 1992: 54, 68 (WA).
Picea engelmannii / Alnus incana	Engelmann spruce / mountain alder	PICENG / ALIINC	wetland	new389	GUSU	BM, EC	Titus et al. 1998.
Picea engelmannii / Athyrium filix-femina	Engelmann spruce / lady fern	PICENG / ATHFIL	wetland	CWWA000183	G4S4	BM, EC	Crowe & Clausnitzer 1997: 42; Titus et al. 1998.
Picea engelmannii / Carex angustata	Engelmann spruce / widefruit sedge	PICENG / CARANG	wetland	CEGL000359	G4S4	EC	Kovalchik 1987: 55; Titus et al. 1998.

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<i>Picea engelmannii</i> / <i>Carex disperma</i>	Engelmann spruce / soft-leaved sedge	PICENG / CARDIS	wetland	CEGL000358	GUSU	BM, EC	Steele et al. 1981: 47 (ID); Steele et al. 1983: 38 (ID, WY); Crowe & Clausnitzer 1997: 38, 46; Titus et al. 1998.
<i>Picea engelmannii</i> / <i>Cinna latifolia</i>	Engelmann spruce / drooping woodreed	PICENG / CINLAT	wetland	new220	GUSU	BM	Crowe & Clausnitzer 1997: 47; Titus et al. 1998.
<i>Picea engelmannii</i> / <i>Clintonia uniflora</i>	Engelmann spruce / queencup beadlily	PICENG / CLIUNI		CEGL000360	G3S3	EC	Volland 1976: 79; Kovalchik 1987: 49; Titus et al. 1998.
<i>Picea engelmannii</i> / <i>Cornus sericea</i>	Engelmann spruce / creek dogwood riparian	PICENG / CORSER	wetland	CEGL002677	G3S3	BM	Crowe & Clausnitzer 1997: 46; Kovalchik 1992 (WA); Titus et al. 1998.
<i>Picea engelmannii</i> / <i>Eleocharis quinqueflora</i>	Engelmann spruce / small-flowered spikerush	PICENG / ELEQUI	wetland	CEGL000361	G3S3	WC, EC	Kovalchik 1987: 45.
<i>Picea engelmannii</i> / <i>Equisetum arvense</i>	Engelmann spruce / common horsetail swamp	PICENG / EQUARV	wetland	CEGL000363	G4S3	BM, EC	Steele et al. 1981: 49 (ID); Steele et al. 1983: 36 (ID, WY); Kovalchik 1987: 57; Padgett et al. 1989: 29 (in part; ID, UT); Crowe & Clausnitzer 1997: 46; Kovalchik 1992: 52 (WA); Titus et al. 1998.
<i>Picea engelmannii</i> / <i>Rosa gymnocarpa</i>							JK made it up based on data from FS, ecoclass CWS911
<i>Picea engelmannii</i> / <i>Senecio triangularis</i>	Engelmann spruce / arrowleaf groundsel swamp	PICENG / SENTRI	wetland	CEGL000376	GUSU	BM, EC	Cole 1977: 78; Crowe & Clausnitzer 1997: 44.
<i>Picea engelmannii</i> / <i>Vaccinium membranaceum</i>	Engelmann spruce / thin-leaved blueberry	PICENG / VACMEM		new389	GUSU	EC	Titus et al. 1998.
<i>Picea engelmannii</i> / <i>Vaccinium scoparium</i>	Engelmann spruce / grouseberry	PICENG / VACSCO		CEGL000381	GUSU	BM, EC	Steele et al. 1983: 40 (ID, WY); Titus et al. 1998.
<i>Picea engelmannii</i> / <i>Vaccinium uliginosum</i>	Engelmann spruce / bog blueberry	PICENG / VACULI	wetland	CEGL000380	G3S3	BM, EC	Kovalchik 1987: 51, 53; Titus et al. 1998.
<i>Picea sitchensis</i> - <i>Abies grandis</i> / <i>Gaultheria shallon</i> / <i>Polystichum munitum</i>	Sitka spruce - grand fir / salal / sword fern	PICSIT - ABIGRA / GAUSHA / POLMUN		CEGL000053	G1S1	CR	Atzet et al. 1996: PISI 4.
<i>Picea sitchensis</i> - <i>Pinus contorta</i> ssp. <i>contorta</i> / <i>Gaultheria shallon</i> - <i>Vaccinium ovatum</i>	Sitka spruce - shore pine / salal - evergreen huckleberry	PICSIT - PINCONC / GAUSHA - VACOVA		CEGL000403	G3S3	CR	Martin & Frenkel 1978: 18, 48; Christy et al. 1998: 54.
<i>Picea sitchensis</i> - <i>Tsuga heterophylla</i> / <i>Rhododendron macrophyllum</i> - <i>Vaccinium ovatum</i>	Sitka spruce - western hemlock / western rhododendron - evergreen huckleberry	PICSIT - TSUHET / RHOMAC - VACOVA		CEGL002603	G1S1	CR	unpublished
<i>Picea sitchensis</i> - <i>Tsuga heterophylla</i> / <i>Gaultheria shallon</i>	Sitka spruce - western hemlock / salal	PICSIT - TSUHET / GAUSHA		new	G4S3	CR	unpublished
<i>Picea sitchensis</i> / <i>Carex obnupta</i> - <i>Lysichitum americanum</i>	Sitka spruce / slough sedge - skunk cabbage	PICSIT / CAROBN - LYSAME	wetland	CEGL000400	G3S1	CR	Smith & Smith 1976: 112, 129; Frenkel et al. 1978: 59; Boss 1983: 83; Kunze 1994: 91, 98 (WA); Bigley & Hull 1995: 20 (in part; WA); Klinka et al. 1996: 153 (BC); Christy et al. 1998: 62; Christy 2001: 10.
<i>Picea sitchensis</i> / <i>Cornus sericea</i> / <i>Lysichiton americanus</i> Forest	Sitka spruce / red-osier dogwood / skunk cabbage	PICSIT / CORSER / LYSAME	wetland	CEGL000055	G2	CR	
<i>Picea sitchensis</i> / <i>Cornus sericea</i> - <i>Salix hookeriana</i>	Sitka spruce / creek dogwood - Hooker willow tideland	PICSIT / CORSER - SALHOO	wetland	CEGL000055	G1G2 S1	CR	Eilers 1975: 261, Hirschberger 1978: 5, Frenkel et al. 1978: 99; Thomas 1980: 8.
<i>Picea sitchensis</i> / <i>Gaultheria shallon</i>	Sitka spruce / salal	PICSIT / GAUSHA		CEGL000401	G3S2	CR	Quaye 1982: 66; Hemstrom & Logan 1986: 67; Bigley & Hull 1995: 22 (WA); Klinka et al. 1996: 151 (BC); Christy et al. 1998: 42; McCain & Diaz 2001a: PISI 5.
<i>Picea sitchensis</i> / <i>Gaultheria shallon</i> - <i>Rubus spectabilis</i>	Sitka spruce / salal - salmonberry	PICSIT / GAUSHA - RUBSPE		CEGL000402	G3S3	CR	Hemstrom & Logan 1986: 71; Christy et al. 1998: 44; McCain & Diaz 2001a: PISI 34.
<i>Picea sitchensis</i> / <i>Menziesia ferruginea</i> - <i>Vaccinium parvifolium</i>	Sitka spruce / fool's huckleberry - red huckleberry	PICSIT / MENFER - VACPAR		CEGL000056	G3S3	CR	Quaye 1982: 61; Hemstrom & Logan 1986: 63; McCain & Diaz 2001a: PISI 9.
<i>Picea sitchensis</i> / <i>Oplopanax horridus</i>	Sitka spruce / devil's club	PICSIT / OPLHOR	wetland	CEGL000057	G3S3	CR	Hemstrom & Logan 1986: 61; Klinka et al. 1996: 152 (BC); McCain & Diaz 2001a: PISI 14.
<i>Picea sitchensis</i> / <i>Oxalis oregana</i>	Sitka spruce / wood sorrel	PICSIT / OXAORE		CEGL000058	G3S2	CR	Quaye 1982: 55; Hemstrom & Logan 1986: 65; Bigley & Hull 1995: 17 (WA); McCain & Diaz 2001a: PISI 19.
<i>Picea sitchensis</i> / <i>Polystichum munitum</i>	Sitka spruce / sword fern	PICSIT / POLMUN		CEGL000059	G3S3	CR	Martin & Frenkel 1978: 18, 48; Quaye 1982: 61, 64; Hemstrom & Logan 1986: 73; Bigley & Hull 1995: 19 (WA); Klinka et al. 1996: 151 (BC); Christy et al. 1998: 46, McCain & Diaz 2001a: PISI 24.
<i>Picea sitchensis</i> / <i>Rubus spectabilis</i>	Sitka spruce / salmonberry	PICSIT / RUBSPE	wetland	CEGL000060	G4S3	CR	Henderson 1970: 42 (in part); Smith & Smith 1976: 112; Henderson 1979: 200; Hemstrom & Logan 1986: 69; Klinka et al. 1996: 152 (BC); McCain & Diaz 2001a: PISI 29.
<i>Picea sitchensis</i> / <i>Vaccinium ovatum</i>	Sitka spruce / evergreen huckleberry	PICSIT / VACOVA		new79	G3S3	CR	Atzet et al. 1996: PISI 6; Christy et al. 1998: 48.
<i>Pinus albicaulis</i> / <i>Vaccinium scoparium</i>	whitebark pine / grouseberry	PINALB / VASCO		CEGL000131	G4	BM	
<i>Pinus albicaulis</i> - <i>Abies lasiocarpa</i> / <i>Vaccinium scoparium</i>	whitebark pine - subalpine fir / grouseberry	PINALB - ABILAS / VACSCO		CEGL000752	G5S4	BM	Head 1959: 36; Cole 1977: 88; Cole 1982: 14; Steele et al. 1983: 66 (ID, WY); Johnson & Clausnitzer 1992: 42, 43.

Scientific name	Common name	Acronym	Wetland	ELCODE	Rank	Ecoreg	References with plot data
<i>Pinus albicaulis</i> - <i>Pinus contorta</i> ssp. <i>latifolia</i> / <i>Penstemon laetus</i>	whitebark pine - lodgepole pine / gay penstemon	PINALB - PINCONL / PENLAE		CEGL000130	G3S3	EC	Hopkins 1979a: 19.
<i>Pinus attenuata</i> / <i>Arctostaphylos canescens</i>	knobcone pine / hoary manzanita	PINATT / ARCCAN		new80	G2S2	KM	unpublished
<i>Pinus attenuata</i> / <i>Arctostaphylos nevadensis</i>	knobcone pine / pinemat manzanita	PINATT / ARCNEV		CEGL000763	G2S2	KM	Sawyer & Keeler-Wolf : 95 (CA).
<i>Pinus contorta</i> spp. <i>contorta</i> / <i>Arctostaphylos uva - ursi</i>	shorepine / kinnikinnick	PINCONC / ARCUVI		CEGL002605	G1S1	CR	Christy et al. 1998: 68.
<i>Pinus contorta</i> spp. <i>contorta</i> / <i>Carex obnupta</i>	shorepine / slough sedge	PINCONC / CAROBN	wetland	CEGL000142	G2S1	CR	Christy et al. 1998: 60; Christy 2001: 11.
<i>Pinus contorta</i> ssp. <i>contorta</i> - <i>Pseudotsuga menziesii</i> / <i>Myrica californica</i> - <i>Vaccinium ovatum</i>	Shorepine - Douglas-fir / waxmyrtle - evergreen huckleberry	PINCONC - PSEMEN / MYRCAL - VACOVA		new	G3S3	CR	Christy et al. 1998: 56.
<i>Pinus contorta</i> ssp. <i>contorta</i> - <i>Thuja plicata</i> / <i>Ledum glandulosum</i> / sphagnum	shorepine - western redcedar / Labrador tea / sphagnum swamp	PINCONC - THUPLI / LEDGLA	wetland moved from <i>Thuja plicata</i>	new506	G3S1	CR	Cordes 1972: 300 (in part; BC), Kunze 1994: 76, 78 (WA); Hebda & Biggs 1981: 8 (in part; BC); Wiedemann 1984: 56; Christy unpublished; Howarth 1995: 2, 11; Klinka et al. 1996: 153 (in part; BC).
<i>Pinus contorta</i> ssp. <i>contorta</i> / <i>Arctostaphylos columbiana</i>	shorepine / hairy manzanita	PINCONC / ARCCOL		new	G1S1	CR	Christy et al. 1998: 70.
<i>Pinus contorta</i> ssp. <i>contorta</i> / <i>Gaultheria shallon</i> - <i>Vaccinium ovatum</i>	pygmy shore pine forest on Blacklock soils	PINCONC / GAUSHA - VACOVA ON BLACKLOCK		CEGL000152	G1S1	CR	Jenny et al. 1969: 63; Martin & Frenkel 1978: 18, 48.
<i>Pinus contorta</i> ssp. <i>contorta</i> / <i>Rhododendron macrophyllum</i> - <i>Vaccinium ovatum</i>	shore pine / western rhododendron - evergreen huckleberry	PINCONC / RHOMAC - VACOVA		CEGL000151	G2S2	CR	Martin & Frenkel 1978: 18, 48.
<i>Pinus contorta</i> ssp. <i>latifolia</i> - <i>Populus tremuloides</i> / <i>Spiraea douglasii</i>	lodgepole pine - quaking aspen / Douglas spiraea	PINCONL - POPTRE / SPIDOU	wetland	CEGL000157	G3G4 S3	EC	Kovalchik 1987: 35, 63; Titus et al. 1998.
<i>Pinus contorta</i> ssp. <i>latifolia</i> / ( <i>Arctostaphylos nevadensis</i> ) / <i>Xerophyllum tenax</i>	lodgepole pine / (pinemat manzanita) / beargrass	PINCONL / (ARCNEV) / XERTEN		CEGL000175	G5S4	EC	Volland 1976: 52.
<i>Pinus contorta</i> ssp. <i>latifolia</i> / <i>Arctostaphylos nevadensis</i>	lodgepole pine / pinemat manzanita	PINCONL / ARCNEV		CEGL000133	G3S3	WC, EC	Volland 1976: 50; Atzet & McCrimmon 1990: 62.
<i>Pinus contorta</i> ssp. <i>latifolia</i> / <i>Arctostaphylos uva - ursi</i>	lodgepole pine / kinnikinnick	PINCONL / ARCUVA		CEGL000134	G5S4	EC	Volland 1976: 34; Kovalchik 1987: 31; Titus et al. 1998.
<i>Pinus contorta</i> ssp. <i>latifolia</i> / <i>Artemisia tridentata</i> / <i>Festuca idahoensis</i>	lodgepole pine / big sagebrush / Idaho fescue	PINCONL / ARTTRI / FESIDA		CEGL000136	G3S3	EC	Volland 1976: 37.
<i>Pinus contorta</i> ssp. <i>latifolia</i> / <i>Artemisia tridentata</i> / <i>Elymus elymoides</i>	lodgepole pine / big sagebrush / bottlebrush squirreltail	PINCONL / ARTTRI / ELYELY		CEGL000137	G3S3	EC	Volland 1976: 36.
<i>Pinus contorta</i> ssp. <i>latifolia</i> / <i>Betula nana</i>	lodgepole pine / bog birch	PINCONL / BETNAN	wetland	new295	GUSU	EC	Titus et al. 1998.
<i>Pinus contorta</i> ssp. <i>latifolia</i> / <i>Calamagrostis canadensis</i>	lodgepole pine / bluejoint reedgrass	PINCONL / CALCAN	wetland	CEGL000138	G5SU	BM, EC	Padgett et al. 1989: 30 (in part; ID, UT); Crowe & Clausnitzer 1997: 51; Titus et al. 1998.
<i>Pinus contorta</i> ssp. <i>latifolia</i> / <i>Carex angustata</i>	lodgepole pine / widefruit sedge	PINCONL / CARANG	wetland	new555	GUSU	EC, BM	Kovalchik 1987: 41; Titus et al. 1998.
<i>Pinus contorta</i> ssp. <i>latifolia</i> / <i>Carex aquatilis</i> var. <i>aquatilis</i>	lodgepole pine / aquatic sedge	PINCONL / CARAQUA	wetland	new554	G4S4	EC, BM	Kovalchik 1987: 43; Crowe & Clausnitzer 1997: 50; Titus & Christy 1996a; Titus et al. 1998.
<i>Pinus contorta</i> ssp. <i>latifolia</i> / <i>Carex inops</i> ssp. <i>inops</i>	lodgepole pine / long-stolon sedge	PINCONL / CARINO		CEGL000143	G4S4	BM, EC, WC	Volland 1976: 46, 47; Hopkins 1979a: 22; Atzet & McCrimmon 1990: 59.
<i>Pinus contorta</i> ssp. <i>latifolia</i> / <i>Carex nebrascensis</i>	lodgepole pine / Nebraska sedge	PINCONL / CARNEB	wetland	new556	GUSU	EC	Volland 1976: 32.
<i>Pinus contorta</i> ssp. <i>latifolia</i> / <i>Ceanothus velutinus</i>	lodgepole pine / snowbrush	PINCONL / CEAVEL		CEGL000145	G4S4	EC	Volland 1976: 45.
<i>Pinus contorta</i> ssp. <i>latifolia</i> / <i>Danthonia californica</i>	lodgepole pine / California oatgrass	PINCONL / DANCAL		CEGL000146	G3S3	EC	Dealy 1971: 45.
<i>Pinus contorta</i> ssp. <i>latifolia</i> / <i>Deschampsia cespitosa</i>	lodgepole pine / tufted hairgrass	PINCONL / DESCES	wetland	CEGL000147	G3S3	BM, EC	Kovalchik 1987: 136; Crowe & Clausnitzer 1997: 50; Titus et al. 1998.
<i>Pinus contorta</i> ssp. <i>latifolia</i> / <i>Festuca idahoensis</i>	lodgepole pine / Idaho fescue	PINCONL / FESIDA		CEGL000149	G3S2	EC	Dealy 1971: 40; Hopkins 1979a: 21; Steele et al. 1981: 85 (ID).
<i>Pinus contorta</i> ssp. <i>latifolia</i> / <i>Linnaea borealis</i>	lodgepole pine / twinflower	PINCONL / LINBOR		CEGL000153	G5S4	BM	Steele et al. 1983: 72 (ID, WY); Johnson & Simon 1987: 305.
<i>Pinus contorta</i> ssp. <i>latifolia</i> / <i>Purshia tridentata</i> - <i>Ribes cereum</i>	lodgepole pine / bitterbrush - wax currant	PINCONL / PURTRI - RIB CER		CEGL000161	G4S4	EC	Volland 1976: 35, 38, 41.
<i>Pinus contorta</i> ssp. <i>latifolia</i> / <i>Purshia tridentata</i> / <i>Carex inops</i> ssp. <i>inops</i>	lodgepole pine / bitterbrush / long-stolon sedge	PINCONL / PURTRI / CARINO		CEGL000159	G4S4	EC	Volland 1976: 44,45.

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<i>Pinus contorta</i> ssp. <i>latifolia</i> / <i>Purshia tridentata</i> / <i>Festuca idahoensis</i>	lodgepole pine / bitterbrush / Idaho fescue	PINCONL / PURTRI / FESIDA		CEGL000160	G4S4	EC	Volland 1976: 39.
<i>Pinus contorta</i> ssp. <i>latifolia</i> / <i>Purshia tridentata</i> / <i>Achnatherum occidentale</i> ssp. <i>occidentale</i>	lodgepole pine / bitterbrush / western needlegrass	PINCONL / PURTRI / ACHOCC		CEGL000162	G3S3	EC	Volland 1976: 35, 38, 40, 42.
<i>Pinus contorta</i> ssp. <i>latifolia</i> / <i>Spiraea douglasii</i>	lodgepole pine / Douglas spiraea	PINCONL / SPIDOU	wetland	CEGL002604	G3G4 S4	EC	Kovalchik 1987: 33, 35, 136; Titus et al. 1998.
<i>Pinus contorta</i> ssp. <i>latifolia</i> / <i>Achnatherum occidentale</i> ssp. <i>occidentale</i>	lodgepole pine / western needlegrass	PINCONL / ACHOCC		CEGL000165	G4QS 3	EC	Volland 1976: 42, 43, 48, 49; Johnson & Clausnitzer 1992: 43.
<i>Pinus contorta</i> ssp. <i>latifolia</i> / <i>Symphoricarpos albus</i>	lodgepole pine / common snowberry	PINCONL / SYLALB	wetland	new193	GUSU	EC	unpublished
<i>Pinus contorta</i> ssp. <i>latifolia</i> / <i>Vaccinium membranaceum</i>	lodgepole pine / thin-leaved blueberry	PINCONL / VACMEM		CEGL000170	G4S4	BM	Hall 1973: 35; Cole 1977: 67; Cole 1982: 15; Johnson & Simon 1987: 259; Johnson & Clausnitzer 1992: 42, 76.
<i>Pinus contorta</i> ssp. <i>latifolia</i> / <i>Vaccinium scoparium</i>	lodgepole pine / grouseberry	PINCONL / VACSCO		CEGL000174	G4S3	BM, EC	Hall 1973: 36; Volland 1976: 51; Steele et al. 1981: 85 (ID); Steele et al. 1983: 72 (ID, WY); Johnson & Simon 1987: 250; Cooper et al. 1991: 79 (ID); Johnson & Clausnitzer 1992: 41, 77, 79.
<i>Pinus contorta</i> ssp. <i>latifolia</i> / <i>Vaccinium scoparium</i> / <i>Carex inops</i> ssp. <i>inops</i>	lodgepole pine / grouseberry / long-stolon sedge	PINCONL / VACSCO / CARINO		CEGL000173	G4S4	EC, BM	Hopkins 1979b: 13.
<i>Pinus contorta</i> ssp. <i>latifolia</i> / <i>Vaccinium scoparium</i> / <i>Carex rossii</i>	lodgepole pine / grouseberry / Ross' sedge	PINCONL / VACSCO / CARROS		new393	G4S4	BM	Cole 1977: 86; Cole 1982: 15.
<i>Pinus contorta</i> ssp. <i>latifolia</i> / <i>Vaccinium uliginosum</i>	lodgepole pine / western bog blueberry	PINCONL / VACULI	wetland	CEGL000171	G4S4	EC, WC	Volland 1976: 33; Seyer 1979: 117; Kovalchik 1987: 37, 39; Titus & Christy 1996a; Titus et al. 1998.
<i>Pinus flexilis</i> / <i>Juniperus communis</i> subalpine parkland	limber pine / mountain juniper	PINFLE / JUNCOM		CEGL000807	G5S1	BM	Cole 1977: 62; Steele et al. 1981: 22 (ID); Cole 1982: 8.
<i>Pinus jeffreyi</i> - <i>Pinus monticola</i> / <i>Arctostaphylos nevadensis</i>	Jeffrey pine - western white pine / pinemat manzanita	PINJEF - PINMON / ARCNEV		CEGL000818	G4S3	KM	Atzet & Wheeler 1984: 267.
<i>Pinus jeffreyi</i> / <i>Arctostaphylos viscida</i>	low elevation Jeffrey pine serpentine woodland	PINJEF / ARCVIS		new340	G3S3	KM	Atzet & Wheeler 1984: 269, 270; Atzet et al. 1996: PIJE 20.
<i>Pinus jeffreyi</i> / <i>Ceanothus pumilus</i>	low elevation Jeffrey pine serpentine savanna	PINJEF/CEAPUM		CEGL000816	G3S3	KM	Atzet & Wheeler 1984: 269, 270; Atzet et al. 1996: PIJE 8.
<i>Pinus jeffreyi</i> / <i>Festuca idahoensis</i>	high elevation Jeffrey pine / bunchgrass savanna	PINJEF / FESIDA		CEGL000817	G4S4	KM	Atzet & Wheeler 1984: 271; Atzet et al. 1996: PIJE 12.
<i>Pinus jeffreyi</i> - <i>Calocedrus decurrens</i> / <i>Quercus vaccinifolia</i>	Jeffrey pine - incense cedar / huckleberry oak	PINJEF - CALDEC / QUEVAC		CEGL000820	G4S4	KM	Atzet & Wheeler 1984: 268.
<i>Pinus jeffreyi</i> / <i>Ceanothus pumilus</i> - <i>arctostaphylos viscida</i>	low elevation, mixed conifer serpentine woodland	PINJEF - CALDEC / ARCVIS		CEGL000819	G3S3	KM	Atzet & Wheeler 1984: 228.
<i>Pinus jeffreyi</i> / <i>Quercus vaccinifolia</i>	Jeffrey pine / huckleberry oak	PINJEF / QUEVAC		CEGL000820	G4S4	KM	Atzet & Wheeler 1984: 268.
<i>Pinus lambertiana</i> - <i>Pinus ponderosa</i> - <i>Pseudotsuga menziesii</i> / <i>Festuca californica</i>	sugar pine - ponderosa pine - Douglas-fir / California fescue	PINLAM - PINPON - PSEMEN / FESCAL		CEGL000065	G1S1	KM	unpublished
<i>Pinus monticola</i> / <i>Deschampsia cespitosa</i>	western white pine / tufted hairgrass riparian	PINMON / DESCES	wetland	new295	G1S1	BM	Crowe & Clausnitzer 1997: 61; Titus et al. 1998.
<i>Pinus monticola</i> / <i>Xerophyllum tenax</i>	western white pine / beargrass	PINMON / XERTEN		CEGL000177	G2S2	KM	Atzet & Wheeler 1984: 40; Atzet et al. 1996: PIMO3 4.
<i>Pinus monticola</i> - <i>Pseudotsuga menziesii</i> / <i>Quercus vaccinifolia</i> - <i>Lithocarpus densiflorus</i> ssp. <i>echinoides</i>	western white pine - Douglas-fir / huckleberry oak tan oak	PINMON - PSEMEN / QUEVAC - LITDENE		CEGL003449	G2S2	KM	Atzet et al. 1996: PIMO3 6; Jimerson et. Al. 1995 F-10
<i>Pinus ponderosa</i> - <i>Abies concolor</i> / <i>Carex inops</i>	ponderosa pine - white fir / long-stolon sedge	PINPON - ABICON / CARINO		CEGL000257	G3S3	EC	Hopkins 1979a
<i>Pinus ponderosa</i> - <i>Larix occidentalis</i> / <i>Symphoricarpos albus</i>	ponderosa pine - western larch / common snowberry riparian	PINPON - LAROCC / SYMALB		CEGL000203	G4?	EC	Titus et al. 1998.
<i>Pinus ponderosa</i> - <i>Populus tremuloides</i> / <i>Carex</i> - ( <i>Poa</i> )	ponderosa pine - quaking aspen / sedge - (bluegrass)	PINPON - POPTRE / CAREX - (POA)	wetland	CEGL000191	GUSU	EC, BM	Hopkins 1979a: 28, 36.
<i>Pinus ponderosa</i> - <i>Pseudotsuga menziesii</i> - <i>Pinus lambertiana</i> / <i>Chrysopsis chrysophylla</i> var. <i>chrysophylla</i>	ponderosa pine - Douglas-fir - sugar pine / chinquapin	PINPON - PSEMEN - PINLAM / CASCHR		CEGL000065	G3S3	KM, WC	unpublished
<i>Pinus ponderosa</i> - <i>Pseudotsuga menziesii</i> / <i>Arctostaphylos nevadensis</i>	ponderosa pine - Douglas-fir / pinemat manzanita	PINPON - PSEMEN / ARCNEV		CEGL000208	G2S2	KM, EC	Mitchell & Moir 1976: 50; Atzet & Wheeler 1984: 258.
<i>Pinus ponderosa</i> - <i>Pseudotsuga menziesii</i> / <i>Arctostaphylos patula</i>	ponderosa pine - Douglas-fir / greenleaf manzanita	PINPON - PSEMEN / ARCPAT		CEGL000209	G3S3	KM, EC	Atzet & Wheeler 1984: 258.

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<i>Pinus ponderosa</i> - <i>Pseudotsuga menziesii</i> / <i>Arctostaphylos viscidula</i> - <i>Ceanothus cuneatus</i>	ponderosa pine - Douglas-fir / whiteleaf manzanita - buckbrush	PINPON - PSEMEN / ARCVIS - CEACUN		new370	G3S3	KM	unpublished
<i>Pinus ponderosa</i> - <i>Pseudotsuga menziesii</i> / <i>Carex geyeri</i>	ponderosa pine - Douglas-fir / elk sedge	PINPON - PSEMEN / CARGEY		CEGL000211	GUSU	BM	Hall 1973: 29; Cole 1977: 56.
<i>Pinus ponderosa</i> - <i>Pseudotsuga menziesii</i> / <i>Physocarpus malvaceus</i>	ponderosa pine - Douglas-fir / ninebark	PINPON - PSEMEN / PHYMAL		CEGL000213	GUSU	BM	Hall 1973: 31.
<i>Pinus ponderosa</i> - <i>Pseudotsuga menziesii</i> / <i>Purshia tridentata</i>	ponderosa pine - Douglas-fir / bitterbrush	PINPON - PSEMEN / PURTRI		CEGL000214	G4S3	EC	unpublished
<i>Pinus ponderosa</i> - <i>Quercus garryana</i> / <i>Balsamorhiza sagittata</i>	ponderosa pine - Oregon white oak / arrowleaf balsamroot	PINPON - QUEGAR / BALSAG		CEGL000881	G2S2	EC	Topik et al. 1988: 43.
<i>Pinus ponderosa</i> - <i>Quercus garryana</i> / <i>Ceanothus cuneatus</i> / <i>Danthonia californica</i>	ponderosa pine - white oak / bunchgrass savanna	PINPON - QUEGAR / CEACUN / DANCAL		new	G1S1	KM	unpublished
<i>Pinus ponderosa</i> - <i>Quercus garryana</i> / <i>Purshia tridentata</i>	ponderosa pine - Oregon white oak / bitterbrush	PINPON - QUEGAR / PURTRI		CEGL000883	G3S3	EC	Topik et al. 1988: 47.
<i>Pinus ponderosa</i> - <i>Quercus garryana</i> / <i>Symphoricarpos albus</i>	ponderosa pine - white oak / snowberry	PINPON - QUEGAR / SYMALB		CEGL000884	G3S3	WV, KM, WC, EC	Atzet & McCrimmon 1990: 324.
<i>Pinus ponderosa</i> - <i>Quercus kelloggii</i> / <i>Arctostaphylos viscidula</i> / <i>Festuca californica</i> - <i>Festuca idahoensis</i> (get regional code)	ponderosa pine - black oak / woodland and savanna	PINPON - QUEKEL / ARCVIS / FESCAL - FESIDA		CEGL000880	G1S1	KM	unpublished
<i>Pinus ponderosa</i> / <i>Arctostaphylos patula</i> - <i>Arctostaphylos viscidula</i>	ponderosa pine / greenleaf manzanita - sticky manzanita	PINPON / ARCPAT - ARCVIS		CEGL000061	G3S3	EC	Atzet & Wheeler 1984: 258.
<i>Pinus ponderosa</i> / <i>Arctostaphylos patula</i> - <i>Ceanothus velutinus</i>	ponderosa pine / greenleaf manzanita - snowbrush	PINPON / ARCPAT - CEAVEL		CEGL000062	G3S3	EC	Dyrness 1960: 103; Dyrness & Youngberg1966: 126; Dealy 1971: 23 (in part).
<i>Pinus ponderosa</i> / <i>Arctostaphylos patula</i> - <i>Purshia tridentata</i>	ponderosa pine / greenleaf manzanita - bitterbrush	PINPON / ARCPAT - PURTRI		CEGL000063	G3S3	EC	Dyrness 1960: 92; Dyrness & Youngberg1966: 126; Dealy 1971: 23 (in part); Volland 1976: 58, 61, 64; Marsh et. al 1987, p 34.
<i>Pinus ponderosa</i> / <i>Artemisia arbuscula</i>	ponderosa pine / low sagebrush	PINPON / ARTARB		CEGL000845	G2S2	BM	Johnson & Clausnitzer 1992: 123.
<i>Pinus ponderosa</i> / <i>Artemisia tridentata</i> var. <i>vaseyana</i>	ponderosa pine / mountain big sagebrush	PINPON / ARTTRIV		CEGL000180	G2S2	EC, BM	Dealy 1971: 30; Hopkins 1979a: 29; Johnson & Clausnitzer 1992: 117, 123.
<i>Pinus ponderosa</i> / <i>Artemisia tridentata</i> var. <i>vaseyana</i> - <i>Purshia tridentata</i>	ponderosa pine / mountain big sagebrush - bitterbrush	PINPON / ARTTRIV - PURTRI		CEGL000178	G3S3	EC	Volland 1976: 55, 56.; Hopkins 1979b: 9
<i>Pinus ponderosa</i> / <i>Artemisia tridentata</i> var. <i>wyomingensis</i> / <i>Achnatherum occidentale</i>	ponderosa pine / Wyoming big sagebrush / western needlegrass	PINPON / ARTTRIW / ACHOCC		CEGL000179	G1S1	BR	Berry 1963.
<i>Pinus ponderosa</i> / <i>Calamagrostis rubescens</i>	ponderosa pine / pinegrass	PINPON / CALRUB		CEGL000181	G2S1	BM	Johnson & Clausnitzer 1992: 109.
<i>Pinus ponderosa</i> / <i>Carex geyeri</i>	ponderosa pine / elk sedge	PINPON / CARGEY		CEGL000182	G4S2	BM	Cole 1977; Johnson & Clausnitzer 1992: 107.
<i>Pinus ponderosa</i> / <i>Ceanothus velutinus</i> - <i>Purshia tridentata</i>	ponderosa pine / snowbrush - bitterbrush	PINPON / CEAVEL - PURTRI		CEGL000064	G4S4	EC	Dyrness 1960: 96; Dyrness & Youngberg1966: 126; Volland 1976: 59, 62, 65, 70.
<i>Pinus ponderosa</i> / <i>Cercocarpus ledifolius</i>	ponderosa pine / mountain mahogany	PINPON / CERLED		CEGL000850	G3S2	BM	Dealy 1971: 28; Dealy 1975: 94; Johnson & Clausnitzer 1992: 97, 99, 101.
<i>Pinus ponderosa</i> / <i>Crataegus douglasii</i>	ponderosa pine / black hawthorn	PINPON / CRADOU	wetland	CEGL000855	G1S1	BM	Kauffman et al. 1985: 17; Crowe & Clausnitzer 1997: 72 (in part).
<i>Pinus ponderosa</i> / <i>Elymus glaucus</i>	ponderosa pine / blue wildrye	PINPON / ELYGLA		CEGL000184	G2S2	BM	Hall 1973: 28.
<i>Pinus ponderosa</i> / <i>Festuca idahoensis</i>	ponderosa pine / Idaho fescue	PINPON / FESIDA		CEGL000857	G5S2	EC, BM	Hall 1973: 26; Ganskopp 1979: 64, 96; Steele et al. 1981: 25 (ID); Johnson & Simon 1987: 378; Cooper et al. 1991: 82 (ID); Johnson & Clausnitzer 1992: 119. Also Marsh et. al. 1987, p.28 (PIPO Meadow); Dealy 1971: 36 (PIPO-ABCO/FEID)
<i>Pinus ponderosa</i> / <i>Pseudoroegneria spicata</i> ssp. <i>spicata</i>	ponderosa pine / bluebunch wheatgrass	PINPON / PSESPI		CEGL000865	G4S2	BM	Head 1959: 22; Hall 1973: 25; Ganskopp 1979: 63, 97; Steele et al. 1981: 24 (ID); Johnson & Simon 1987: 383; Cooper et al. 1991: 83 (ID); Johnson & Clausnitzer 1992: 121.
<i>Pinus ponderosa</i> / <i>Purshia tridentata</i> / <i>Carex geyeri</i>	ponderosa pine / bitterbrush / elk sedge	PINPON / PURTRI / CARGEY		CEGL002606	G3S3	BM	Johnson & Clausnitzer 1992: 113.
<i>Pinus ponderosa</i> / <i>Purshia tridentata</i> / <i>Carex inops</i> ssp. <i>inops</i>	ponderosa pine / bitterbrush / long-stolon sedge	PINPON / PURTRI / CARINO		CEGL000193	G3S3	EC	Volland 1976: 63.
<i>Pinus ponderosa</i> / <i>Purshia tridentata</i> / <i>Carex rossii</i>	ponderosa pine / bitterbrush / Ross sedge	PINPON / PURTRI / CARROS		CEGL000194	G3S3	BM	Dealy 1971: 19; Hall 1973: 27; Johnson & Clausnitzer 1992: 111.



Scientific name	Common name	Acronym	Wetland	ELCODE	Rank	Ecoreg	References with plot data
<i>Pinus ponderosa</i> / <i>Purshia tridentata</i> / <i>Festuca idahoensis</i>	ponderosa pine / bitterbrush / Idaho fescue	PINPON / PURTRI / FESIDA		CEGL000195	G4S3	EC, BM	Dyrness 1960: 86; Dyrness & Youngberg 1966: 126; Dealy 1971: 10, 15; Volland 1976: 57; Williams 1978: 39, 43, 46; Hopkins 1979a: 25, 26; Hopkins 1979b: 14; Steele et al. 1981: 26 (ID); Smith 1994: 36, 48 (CA).
<i>Pinus ponderosa</i> / <i>Purshia tridentata</i> / <i>Oryzopsis hymenoides</i>	ponderosa pine / bitterbrush / indian ricegrass	PINPON / PURTRI / ORYHYM		CEGL000196	G1S1	BR	unpublished
<i>Pinus ponderosa</i> / <i>Purshia tridentata</i> / <i>Pseudoroegneria spicata</i>	ponderosa pine / bitterbrush / bluebunch wheatgrass	PINPON / PURTRI / PSESPI		CEGL000197	G3S3	BM, EC	Volland 1976: 53; Willaims 1978: 36; Steele et al. 1981: 26 (ID); Johnson & Simon 1987: 388; Johnson & Clausnitzer 1992: 115.
<i>Pinus ponderosa</i> / <i>Purshia tridentata</i> / <i>Achnatherum occidentale</i>	ponderosa pine / bitterbrush / western needlegrass	PINPON / PURTRI / ACHOCC		CEGL000198	G3S2	EC	Dyrness 1960: 72; Dyrness & Youngberg 1966: 126; Volland 1976: 54, 60; Hopkins 1979b: 15.
<i>Pinus ponderosa</i> / <i>Symphoricarpos albus</i>	ponderosa pine / common snowberry riparian	PINPON / SYMALB	wetland	CEGL000203	G3S1	BM, EC	Hall 1973: 30; Ganskopp 1979: 67, 95; Steele et al. 1981: 28 (ID); Kovalchik 1987: 27; Johnson & Simon 1987: 372, 377; Cooper et al. 1991: 81 (ID); Johnson & Clausnitzer 1992: 103; Crowe & Clausnitzer 1997: 72; Titus et al. 1998.
<i>Pinus ponderosa</i> / <i>Symphoricarpos oreophilus</i>	ponderosa pine / mountain snowberry	PINPON / SYMORE		CEGL000205	G3S2	BM	Steele et al. 1981: 27 (ID); Johnson & Clausnitzer 1992: 105.
<i>Pinus ponderosa</i> / <i>Wyethia mollis</i>	ponderosa pine / woolly wyethia	PINPON / WYEMOL		CEGL000206	G2S2	EC	Hopkins 1979a: 27.
<i>Plagiobothrys bracteatus</i> - <i>Veronica peregrina</i> vernal pool	bracted popcorn-flower - purslane speedwell vernal pool	PLABRA - VERPER	wetland	new171	G2S2	KM	Huddleston 1999; Titus & Christy 1996b.
<i>Plagiobothrys figuratus</i> vernal pool	fragrant popcorn-flower vernal pool	PLAFIG	wetland	new171	G2S1	WV	Alverson 1987.
<i>Plagiobothrys leptocladus</i> - <i>Veronica peregrina</i> vernal pool	slender-branched popcorn-flower - purslane speedwell vernal pool	PLALEP - VERPER	wetland	new171	G2S2	CB	Magee & Meinke 1984: 32.
<i>Poa douglasii</i> ssp. <i>macrantha</i> dunes	seashore bluegrass dunes	POADOU DUNES		CWWA000184	G2S1	CR	Wiedemann 1966; Wiedemann 1984; Christy et al. 1998: 104.
<i>Poa cusickii</i>	Cusick bluegrass meadow	POACUS MEADOW	wetland	CEGL001655	G4S3	BM, BR, EC	Volland 1976: 23; Kovalchik 1987: 90; Manning & Padgett 1991: 453 (NV); Titus et al. 1998.
<i>Poa secunda</i> - ( <i>Balsamorhiza serrata</i> )	Sandberg bluegrass - serrate balsamroot scabland	POASEC - (BALSER)		CEGL001782	G4S4	CB	Poulton 1955.
<i>Poa secunda</i> - <i>Aristida purpurea</i> var. <i>longiseta</i>	Sandberg bluegrass - red threeawn	POASEC - ARIPUR		CEGL001781	G4S3	BM	Daubenmire 1970 (WA).
<i>Poa secunda</i> - <i>Danthonia unispicata</i>	Sandberg bluegrass - onespikes oatgrass scabland	POASEC - DANUNI		CEGL001783	G3S3	BM	Hall 1973: 8, 47; Ganskopp 1979: 43; 100; Johnson & Simon 1987: 143, 214.
<i>Poa secunda</i> - <i>Eriogonum compositum</i>	Sandberg bluegrass - northern buckwheat scabland	POASEC - ERICOM		CEGL001784	G3S3	BM, CB	Daubenmire 1970 (WA).
<i>Poa secunda</i> - <i>Eriogonum heracleoides</i>	Sandberg bluegrass - Wyeth buckwheat	POASEC - ERIHER		new69	G3S2	BM, CB, EC	Daubenmire 1970 (WA); Ganskopp 1979: 55.
<i>Poa secunda</i> - <i>Eriogonum sphaerocephalum</i>	Sandberg bluegrass - rock buckwheat scabland	POASEC - ERISPH		CEGL001787	G3S3	CB	Daubenmire 1970 (WA).
<i>Poa secunda</i> - <i>Lomatium cous</i>	Sandberg bluegrass-cous biscuitroot scabland	POASEC - LOMCOU		CEGL001790	G4S4	CB, BM	Copeland 1980: 59.
<i>Poa secunda</i> montane meadow	Sandberg bluegrass montane meadow	POASEC MONTANE MEADOW	wetland	CEGL001657	G4S4	BR, EC	Christy & Cornelius 1980: plots 20, 26, 27, 38, 55, 56; Boss 1983: 173; Manning & Padgett 1991: 379, 445 (NV).
<i>Polygonum amphibium</i>	water smartweed marsh	POLAMP	wetland	CEGL002002	G5S3	WV	Christy & Putera 1993; Kunze 1994: 47 (WA); Rodwell 1995: 56 (UK); Christy et al. 1998: 133.
<i>Polygonum bistortoides</i> - <i>Ranunculus macounii</i>	American bistort - Macoun buttercup flush	POLBIS - RANMAC	wetland	new298	G4S4	BM, BR	Evenden 1989: 50.
<i>Polygonum hydropiperoides</i>	waterpepper marsh	POLHYD	wetland	CWWA000125	G4S4	CR	Christy unpublished
<i>Polytrichum commune</i>	haircap moss snowbed	POLCOM	wetland	CWWA000126	G4S4	WC	Lippert & McCain 1997.
<i>Populus angustifolia</i> / <i>Alnus incana</i>	mountain cottonwood / mountain alder	POPANG / ALNINA	wetland	CEGL002642	G3S1	BR	Titus et al. 1998.
<i>Populus angustifolia</i> / <i>Cornus sericea</i>	mountain cottonwood / creek dogwood	POPANG / CORSER	wetland	CEGL000649	G4S1	BR	Padgett et al. 1989: 40 (ID, UT).
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i> - <i>Acer macrophyllum</i> / <i>Equisetum hyemale</i>	black cottonwood - bigleaf maple / Dutch rush	POPBALT - ACEMAC / EQUHYE	wetland	CEGL003406	G3S3	WV	Titus et al. 1996.
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i> - <i>Acer macrophyllum</i> / <i>Symphoricarpos albus</i>	black cottonwood - bigleaf maple / common snowberry	POPBALT - ACEMAC / SYMALB	wetland	CEGL003363	G3S3	WV	Titus et al. 1996.
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i> - <i>Alnus rhombifolia</i>	black cottonwood - white alder	POPBALT - ALNRHO	wetland	CEGL000668	G1S1	BM, BR, CB, WV	Daubenmire 1970: 60; Titus et al. 1998.

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Populus balsamifera ssp. trichocarpa - Alnus rubra / Rubus spectabilis	black cottonwood - red alder / salmonberry	POPBALT - ALNRUB / RUBSPE	wetland	CEGL003407	G2G3 S2	WV	Titus et al. 1996.
Populus balsamifera ssp. trichocarpa - Alnus rubra / Symphoricarpos albus	black cottonwood - red alder / common snowberry	POPBALT - ALNRUB / SYMALB	wetland	CEGL003363	G3S3	WV	Titus et al. 1996.
Populus balsamifera ssp. trichocarpa - Pseudotsuga menziesii	black cottonwood - Douglas-fir	POPBALT - PSEMEN	wetland	new304	GUSU	WC	Diaz & Mellen 1996: 83.
Populus balsamifera ssp. trichocarpa / Acer glabrum	black cottonwood / Rocky Mountain maple	POPBALT / ACEGLA	wetland	CWWA000020	G3SU	BM	Crowe & Clausnitzer 1997: 92; Kovalchik 1992: 80 (WA); Titus et al. 1998.
Populus balsamifera ssp. trichocarpa / Alnus incana	black cottonwood / mountain alder	POPBALT / ALNINC	wetland	CEGL000667	G3S2	BM, BR, EC	Kauffman 1982: 60, 61; Kauffman et al. 1985: 17; Kovalchik 1987: 136; Kovalchik 1992: 84, 86 (WA); McNeil 1975: 85; Ferro et al. 1976: 13, Crowe & Clausnitzer 1997: 90; Titus et al. 1998.
Populus balsamifera ssp. trichocarpa / Artemisia ludoviciana - sparse forb	black cottonwood / western mugwort - sparse forbs	POPBALT / ARTLUD - SPARSE	wetland	new566	GUSU	BM, BR, CB, EC	Titus et al. 1998.
Populus balsamifera ssp. trichocarpa / Betula occidentalis Salix spp.	black cottonwood / western birch - willow	POPBALT / BETOCC - SALIX	wetland	CEGL003282	G3S2	BM, BR	Manning & Padgett 1991: 86, 90, 137 (NV).
Populus balsamifera ssp. trichocarpa / Carex angustata	black cottonwood / widefruit sedge	POPBALT / CARANG	wetland	new30	G4S4	EC	Kovalchik 1987: 136.
Populus balsamifera ssp. trichocarpa / Cornus sericea	black cottonwood / creek dogwood	POPBALT / CORSER	wetland	CEGL000672	G3S3	BM, BR, CB, EC	Manning & Padgett 1991: 45 (NV); Kovalchik 1992: 86 (WA); Titus et al. 1998.
Populus balsamifera ssp. trichocarpa / Cornus sericea / Impatiens capensis	black cottonwood / creek dogwood / touch-me-not	POPBALT / CORSER / IMPCAP	wetland	CEGL003408	G1S1	CR, WV	Christy & Putera 1993: 41; Kunze 1994: 60 (WA)
Populus balsamifera ssp. trichocarpa / Crataegus douglasii	black cottonwood / black hawthorn	POPBALT / CRADOU	wetland	CEGL000673	G1S1	BM, CB, EC	Kauffman 1982; Kauffman et al. 1985: 17; Titus et al. 1998.
Populus balsamifera ssp. trichocarpa / Equisetum hyemale	black cottonwood / Dutch rush	POPBALT / EQUHYE	wetland	CWWA000185	GUSU	CB, BM, BR	Klinka et al. 1996: 153 (BC).
Populus balsamifera ssp. trichocarpa / Philadelphus lewisii	black cottonwood / mockorange	POPBALT / PHILEW	wetland	new391	G3S2	BM, BR, EC	Titus et al. 1998.
Populus balsamifera ssp. trichocarpa / Salix exigua	black cottonwood / coyote willow	POPBALT / SALEXI	wetland	CEGL000676	G2S2	BM, BR, CB	Manning & Padgett 1991: 141 (NV); Titus et al. 1998.
Populus balsamifera ssp. trichocarpa / Salix lasiolepis	black cottonwood / arroyo willow riparian	POPBALT / SALLAS	wetland	new511	GUSU	BR	Titus et al. 1998.
Populus balsamifera ssp. trichocarpa / Salix lucida ssp. caudata	black cottonwood / Pacific willow riparian	POPBALT / SALLUCC	wetland	CEGL003431	G2S2	BM	Crowe & Clausnitzer 1997: 88; Moseley 1998: 16 (ID); Titus et al. 1998.
Populus balsamifera ssp. trichocarpa / Symphoricarpos albus	black cottonwood / common snowberry	POPBALT / SYMALB	wetland	CEGL000677	G3S3	BM, CB, EC	Poulton 1955: 87; Kauffman 1982: 61; Kauffman et al. 1985: 17; Kovalchik 1987: 136; Crowe & Clausnitzer 1997: 94; Moseley 1998: 17 (ID); Titus et al. 1998.
Populus tremuloides / Alnus incana - Betula nana - Ribes spp.	quaking aspen / mountain alder - birch - currant	POPTRE / ALNINC - BETNAN - RIBES	wetland	CEGL001149	G1S1	BM	unpublished
Populus tremuloides / Alnus incana - Salix spp.	quaking aspen / mountain alder - willow spp.	POPTRE / ALNINC - SALIX SPP	wetland	CEGL001082	GUSU	BM	unpublished
Populus tremuloides / Amelanchier alnifolia - Prunus virginiana	quaking aspen / serviceberry - chokecherry snowbank	POPTRE / AMAALN - PRUVIR		new305	GUSU	BM, BR	unpublished
Populus tremuloides / Artemisia tridentata var. vaseyana	quaking aspen / mountain big sagebrush	POPTRE / ARTTRIV		CEGL000572	GUSU	BM, BR, EC	Dealy 1971: 48; Dealy et al.1981: 18.
Populus tremuloides / Calamagrostis canadensis	quaking aspen / bluejoint reedgrass	POPTRE / CALCAN	wetland	CEGL000574	G4S3	BM, EC	Crowe & Clausnitzer 1997: 84; Titus et al. 1998.
Populus tremuloides / Carex aquatilis var. aquatilis	quaking aspen / aquatic sedge	POPTRE / CARAQUA	wetland	CEGL003442	G2S2	BM	Crowe & Clausnitzer 1997: 84; Titus et al. 1998.
Populus tremuloides / Carex obnupta	quaking aspen / slough sedge	POPTRE / CAROBN	wetland	CEGL003371	G1S1	WV	Christy 2001: 14
Populus tremuloides / Carex pellita	quaking aspen / woolly sedge	POPTRE / CARPEL	wetland	CEGL000577	G2S2	BM, BR, EC	Kovalchik 1992: 80 (WA); Crowe & Clausnitzer 1997: 78; Titus et al. 1998.
Populus tremuloides / Cornus sericea	quaking aspen / creek dogwood	POPTRE / CORSER	wetland	CEGL000582	G4SU	BM, BR, CB, EC	Kovalchik 1992: 80, 88 (WA); Crowe & Clausnitzer 1997: 84; Titus et al. 1998.
Populus tremuloides / Deschampsia cespitosa	quaking aspen / tufted hairgrass	POPTRE / DESCES	wetland	new403	GUSU	BM	Hall 1973: 7.
Populus tremuloides / Elymus glaucus	quaking aspen / blue wildrye	POPTRE / ELYGLA	wetland	CEGL000846	GUSU	BM, EC	Kovalchik 1987: 61; Titus et al. 1998.
Populus tremuloides / Prunus virginiana	quaking aspen / chokecherry	POPTRE / PRUVIR	wetland	CEGL000596	G3SU	EC	Titus et al. 1998.

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<i>Populus tremuloides</i> / <i>Salix scouleriana</i>	quaking aspen / Scouler willow	POPTRE / SALSCO	wetland	CEGL000604	G4S2	BR	Evenden 1990: 18; Manning & Padgett 1991: 112 - 118 (NV); Titus et al. 1998.
<i>Populus tremuloides</i> / <i>Maianthemum stellatum</i>	quaking aspen / starry false Solomon's seal	POPTRE / SMISTE	wetland	new488	GUSU	BM, EC	Titus et al. 1998.
<i>Populus tremuloides</i> / <i>Spiraea douglasii</i>	quaking aspen / Douglas spiraea	POPTRE / SPIDOU	wetland	new499	GUSU	EC	Titus et al. 1998.
<i>Populus tremuloides</i> / <i>Symphoricarpos albus</i>	quaking aspen / common snowberry	POPTRE / SYMALB	wetland	CEGL000609	G4S3	EC, BM	Kovalchik 1987: 59; Crowe & Clausnitzer 1997: 80, 84; Titus et al. 1998.
<i>Populus tremuloides</i> / <i>Symphoricarpos oreophilus</i>	quaking aspen / mountain snowberry	POPTRE / SYMORE		CEGL000610	G5SU	EC	Day & Wright 1985: 5 (ID); Kovalchik 1987: 59; Titus et al. 1998.
<i>Populus tremuloides</i> / <i>Veratrum californicum</i>	quaking aspen / California hellebore	POPTRE / VERCAL	wetland	CEGL000621	G4S2	BR, EC	Padgett et al. 1989: 47 (ID, UT).
<i>Potamogeton diversifolius</i>	diverse-leaved pondweed bed	POTDIV	wetland	CEGL002007	GUSU	EC	Titus et al. 1998.
<i>Potamogeton gramineus</i>	grass-leaved pondweed bed	POTGRA	wetland	new510	GUSU	EC	Titus et al. 1998.
<i>Potamogeton natans</i>	floating-leaved pondweed bed	POTNAT	wetland	CEGL002925	G5S5	CR, EC, KM, WC, WV	Kunze 1994: 23 (WA); Rodwell 1995: 53 (UK); Titus & Christy 1996e, 1997; Boggs 1998: 180 (AK); Christy et al. 1998: 136; Titus et al. 1998; Titus & Christy 1996a.
<i>Potentilla fruticosa</i> / <i>Deschampsia cespitosa</i>	shrubby cinquefoil / tufted hairgrass meadow	POTFRU / DESCES	wetland	new306	G2S2	BM	Padgett et al. 1989: 89 (ID, UT); Crowe & Clausnitzer 1997: 156.
<i>Potentilla fruticosa</i> / <i>Potentilla gracilis</i>	shrubby cinquefoil / slender cinquefoil	POTFRU / POTGRA	wetland	new616	GUSU	BM	Titus et al. 1998.
<i>Potentilla gracilis</i>	slender cinquefoil	POTGRA	wetland	new513	GUSU	BM, EC	Titus et al. 1998.
<i>Prunus emarginata</i> / <i>Pseudoroegneria spicata</i>	bitter cherry / bluebunch wheatgrass	PRUEMA / PSESPI		new193	G3S2	BR, CB	unpublished
<i>Prunus virginiana</i>	chokecherry	PRUVIR	wetland	CWWA000186	G2S2	CB, BM	Moseley 1998: 42 (ID); Titus et al. 1998..
<i>Prunus virginiana</i> - <i>Salix</i> - <i>Rosa woodsii</i>	chokecherry - willow / Wood's rose	PRUVIR - SALIX / ROSWOO	wetland	CUVAPVSR01	G3S3	BR	unpublished
<i>Pseudoroegneria spicata</i> - <i>Balsamorhiza sagittata</i> - <i>Poa secunda</i>	bluebunch wheatgrass - arrowleaf balsamroot - Sandberg bluegrass canyon	PSESPI - BALSAG - POASEC		CEGL001662	G3S3	BM, CB, EC	Poulton 1955; Daubnemire 1970 (WA); Ganskopp 1979; Johnson & Simon 1987: 69 (in part).
<i>Pseudoroegneria spicata</i> - <i>Eriogonum heracleoides</i>	bluebunch wheatgrass - Wyeth buckwheat	PSESPI - ERIHER		CEGL001668	G4SU	BM, CB, EC	Johnson & Simon 1987: 87.
<i>Pseudoroegneria spicata</i> - <i>Festuca idahoensis</i> - <i>Stipa lemmonii</i>	Rogue - Umpqua upland grassland	PSESPI - FESIDA - STILEM		new328	G2S2	KM	unpublished
<i>Pseudoroegneria spicata</i> - <i>Festuca idahoensis</i> canyon	bluebunch wheatgrass - Idaho fescue canyon	PSESPI - FESIDA CANYON		CEGL001669	G3S2	BM, CB, EC	Poulton 1955; Hall 1973: 9-12, 47; Ganskopp 1979; Tisdale 1979: 6; Copeland 1980: 56; Johnson & Simon 1987: 59-68, 74-78.
<i>Pseudoroegneria spicata</i> - <i>Festuca idahoensis</i> palouse	bluebunch wheatgrass - Idaho fescue palouse	PSESPI - FESIDA PALOUSE		CEGL001670	G1S1	CB	Poulton 1955.
<i>Pseudoroegneria spicata</i> - <i>Opuntia polycantha</i> - ( <i>Poa secunda</i> )	bluebunch wheatgrass - plains pricklypear - Sandberg bluegrass	PSESPI - OPUPOL - (POASEC)		CEGL001673	G3S3	BM, CB	Tisdale 1979: 7; Johnson & Simon 1987: 121.
<i>Pseudoroegneria spicata</i> - <i>Poa secunda</i> lithosol	bluebunch wheatgrass - Sandberg bluegrass lithosol	PSESPI - POASEC LITHOSOL		CEGL001678	G3SU	CB, BM	Poulton 1955; Daubnemire 1970 (WA); Hall 1973: 9-12, 47; Ganskopp 1979: 49, 51, 98; Tisdale 1979: 7; Copeland 1980: 53; Day & Wright 1985: 4 (ID); Johnson & Simon 1987: 92-120, 134.
<i>Pseudoroegneria spicata</i> - <i>Poa secunda</i> Palouse	bluebunch wheatgrass - Sandberg bluegrass Palouse	PSESPI - POASEC PALOUSE		CEGL001677	G2S1	CB	Poulton 1955; Daubnemire 1970 (WA).
<i>Pseudoroegneria spicata</i> - <i>Sporobolus cryptandrus</i> - <i>Aristida purpurea</i>	bluebunch wheatgrass - sand dropseed - red threeawn	PSESPI - SPOCRY - ARIPUR		CEGL001589	G3S2	BM	Johnson & Simon 1987: 126.
<i>Pseudoroegneria spicata</i> - <i>Hesperostipa comata</i>	bluebunch wheatgrass - needle-and-thread	PSESPI - STICOM		CEGL001679	G2S1	CB	Poulton 1955.
<i>Pseudotsuga menziesii</i> - <i>Arbutus menziesii</i> - <i>Quercus</i> / <i>Toxicodendron diversilobum</i>	Douglas-fir - Pacific madrone - oak / poison oak	PSEMEN - ARBMEN - QUERCU / RHUDIV		CEGL000927	G3S3	CR, EC, WC, WV, KM	Klinka et al. 1996: 151 (in part; BC). ORNHP Unpublished
<i>Pseudotsuga menziesii</i> - <i>Chrysolepis chrysophylla</i> var. <i>chrysophylla</i> / <i>Rhododendron macrophyllum</i>	Douglas-fir / western rhododendron	PSEMEN / RHOMAC		CEGL000071	G3S3	WC, KM	Atzet & Wheeler 1984: 215; Jimerson et al. 1995: C-107,111,115,119,123,127,131
<i>Pseudotsuga menziesii</i> - <i>Pinus ponderosa</i> - <i>Quercus kelloggii</i> / <i>Pteridium aquilinum</i>	Douglas-fir - ponderosa pine - California black oak / bracken fern	PSEMEN - PINPON - QUEKEL / PTEAQU		new367	G3S3	KM	unpublished
<i>Pseudotsuga menziesii</i> - <i>Quercus garryana</i> / <i>Symphoricarpos albus</i>	Douglas-fir - Oregon white oak / common snowberry	PSEMEN - QUEGAR / SYMALB		CEGL000929	G4S4	CR, WV, KM, WC, EC	Thilenius 1968: 1128.
<i>Pseudotsuga menziesii</i> - <i>Quercus garryana</i> / <i>Toxicodendron diversilobum</i>	Douglas-fir - Oregon white oak / poison oak	PSEMEN - QUEGAR / TOXDIV		CEGL000928	GUSU	KM, WC	Atzet & McCrimmon 1990: 318; Riegel et al. 1991: 70.

Scientific name	Common name	Acronym	Wetland	ELCODE	Rank	Ecoreg	References with plot data
<i>Pseudotsuga menziesii</i> - <i>Tsuga heterophylla</i> / <i>Gaultheria shallon</i>	Douglas-fir - western hemlock / salal	PSEMEN - TSUHET / GAUSHA		CEGL000084	G4S4	WC, KM	Hemstrom et al. 1987: 86; Atzet & McCrimmon 1990: 130; 138.
<i>Pseudotsuga menziesii</i> - <i>Tsuga heterophylla</i> / <i>Holodiscus discolor</i>	Douglas-fir - western hemlock / oceanspray	PSEMEN - TSUHET / HOLDIS		CEGL000067	G3S3	WC, KM	Halverson et al. 1986: 66.
<i>Pseudotsuga menziesii</i> - <i>Tsuga heterophylla</i> / <i>Lithocarpus densiflorus</i> - <i>Umbellularia californica</i>	Douglas-fir - western hemlock / tanoak - California laurel	PSEMEN - TSUHET / LITDEN - UMBCAL		CUICPMTU01	G4S3	KM	Atzet & Wheeler 1984: 119 (in part), 161.
<i>Pseudotsuga menziesii</i> - <i>Tsuga heterophylla</i> / <i>Lithocarpus densiflorus</i> / <i>Rhododendron macrophyllum</i>	Douglas-fir - western hemlock / tan oak / western rhododendron	PSEMEN - TSUHET / LITDEN / RHOMAC		CEGL000077	G3S3	KM	Atzet & Wheeler 1984: 162, 163 (in part), 164.
<i>Pseudotsuga menziesii</i> - <i>Tsuga heterophylla</i> / <i>Mahonia nervosa</i> var. <i>nervosa</i>	Douglas-fir - western hemlock / dwarf Oregon grape	PSEMEN - TSUHET / BERNEV		CEGL000083	G3S3	WC	Hemstrom et al. 1987: 78.
<i>Pseudotsuga menziesii</i> - <i>Tsuga heterophylla</i> / <i>Polystichum munitum</i>	Douglas-fir - western hemlock / swordfern	PSEMEN - TSUHET / POLMUN		CEGL000085	G3S3	WC	Hemstrom et al. 1987: 234.
<i>Pseudotsuga menziesii</i> - <i>Tsuga heterophylla</i> / <i>Rhododendron macrophyllum</i>	Douglas-fir - western hemlock / western rhododendron	PSEMEN - TSUHET / RHOMAC		CEGL000086	G2G3 S3	KM, WC	Atzet & Wheeler 1984: 118; Hemstrom et al. 1987: 82; McCain & Diaz 2001b: PSME 6.
<i>Pseudotsuga menziesii</i> - <i>Tsuga heterophylla</i> / <i>Umbellularia californica</i>	Douglas-fir - western hemlock / California laurel	PSEMEN - TSUHET / UMBCAL		CEGL000087	G3S3	KM	Atzet & Wheeler 1984: 119 (in part).
<i>Pseudotsuga menziesii</i> - <i>Tsuga mertensiana</i> / <i>Acer circinatum</i> lava flow	Douglas-fir - mountain hemlock / vine maple lava flow woodland	PSEMEN - TSUMER / ACECIR		CEGL000912	G4S4	WC, EC	Roach 1952.
<i>Pseudotsuga menziesii</i> - <i>Umbellularia californica</i> / <i>Polystichum munitum</i>	Douglas-fir - california myrtle / sword fern riparian	PSEMEN - UMBCAL / POLMUN		CEGL000518	G3S3	KM	Titus 1998a.
<i>Pseudotsuga menziesii</i> / <i>Acer circinatum</i>	Douglas-fir / vine maple	PSEMEN / ACECIR		CEGL000417	G5SU	CB, EC	Titus et al. 1998.
<i>Pseudotsuga menziesii</i> / <i>Acer circinatum</i> - <i>Holodiscus discolor</i>	Douglas-fir / vine maple - oceanspray	PSEMEN / ACECIR - HOLDIS		CEGL000109	G3S3	EC, WC	Topik et al. 1986: ; Halverson et al. 1986.
<i>Pseudotsuga menziesii</i> / <i>Acer glabrum</i>	Douglas-fir / Rocky Mountain maple	PSEMEN / ACEGLA		CEGL000418	G4S3	BM	Steele et al. 1981: 43 (ID); Steele et al. 1983: 23 (ID, WY); Johnson & Simon 1987: 339; Titus et al. 1998.
<i>Pseudotsuga menziesii</i> / <i>Calamagrostis rubescens</i>	Douglas-fir / pinegrass	PSEMEN / CALRUB		CEGL000429	G5S3	BM	Cole 1977: 64; Steele et al. 1981: 38 (ID); Cole 1982: 6; Steele et al. 1983: 28 (ID, WY); Johnson & Simon 1987: 332; Cooper et al. 1991: 76 (ID); Johnson & Clausnitzer 1992: 91.
<i>Pseudotsuga menziesii</i> / <i>Carex geyeri</i>	Douglas-fir / elk sedge	PSEMEN / CARGEY		CEGL000430	G5S3	EC, BM	Steele et al. 1981: 35 (ID); Topik et al. 1988: 51; Cooper et al. 1991: 76 (ID); Johnson & Clausnitzer 1992: 93, 95.
<i>Pseudotsuga menziesii</i> / <i>Cercocarpus ledifolius</i>	Douglas-fir / mountain mahogany	PSEMEN / CERLED		CTYBPM0C01	G2S2	BM	Steele et al. 1981: 38 (ID); Steele et al. 1983: 28 (ID, WY); Johnson & Clausnitzer 1992: 95.
<i>Pseudotsuga menziesii</i> / <i>Corylus cornuta</i> - <i>Symphoricarpos mollis</i> / <i>Polystichum munitum</i>	Douglas-fir / hazelnut - snowberry / sword fern	PSEMEN / CORCOR - SYMALB / POLMUN		new	G3S3	WV	McCain & Diaz 2001a: PSME 28; McCain & Diaz 2001b: PSME 32.
<i>Pseudotsuga menziesii</i> / <i>Crateagus douglasii</i>	Douglas-fir / Douglas hawthorn	PSEMEN / CRADOU	wetland	new444	GUSU	BM, EC	Titus et al. 1998.
<i>Pseudotsuga menziesii</i> / <i>Festuca occidentalis</i>	Douglas-fir / western fescue	PSEMEN / FESOCC		CEGL000434	G2S2	EC	Topik et al. 1988: 55.
<i>Pseudotsuga menziesii</i> / <i>Gaultheria shallon</i> / <i>Polystichum munitum</i>	Douglas-fir / salal / swordfern	PSEMEN / GAUSHA / POLMUN		CEGL000070	G4S3	WC	Klinka et al. 1996: 151 (BC).
<i>Pseudotsuga menziesii</i> / <i>Holodiscus discolor</i> / <i>Carex geyeri</i>	Douglas-fir / oceanspray / elk sedge	PSEMEN / HOLDIS / CARGEY		CEGL000437	G3S3	BM, EC	Johnson & Clausnitzer 1992: 85; Titus et al. 1998; Topik et al. 1988; John & Tart, 1986 (WA).
<i>Pseudotsuga menziesii</i> / <i>Holodiscus discolor</i> - <i>Mahonia nervosa</i>	Douglas-fir / oceanspray - dwarf Oregon grape	PSEMEN / HOLDIS - MAHNER		new	G3S3	CR, WC, WV	Dyrness et al. 1974: 13; Hemstrom et al. 1987: 62, 66; Topik et al. 1988: 59; McCain & Diaz 2001a: PSME 18, 33; McCain & Diaz 2001b: PSME 22, 42, 47.
<i>Pseudotsuga menziesii</i> / <i>Holodiscus discolor</i> - <i>Whipplea modesta</i>	Douglas-fir / oceanspray - Whipplevine	PSEMEN / HOLDIS - WHIMOD		new	G3S3	KM, WC, WV	Hemstrom et al. 1987: 70; Atzet et al. 1996: PSME 52; McCain & Diaz 2001b: PSME 37.
<i>Pseudotsuga menziesii</i> / <i>Lithocarpus densiflorus</i> - <i>Chrysolepis chrysophylla</i> var. <i>chrysophylla</i>	Douglas-fir / tan oak - golden chinquapin	PSEMEN / LITDEN - CASCHR		CEGL000074	G3S2	KM	Atzet & Wheeler 1984: 217.
<i>Pseudotsuga menziesii</i> / <i>Lithocarpus densiflorus</i> - <i>Frangula californica</i>	Douglas-fir / tan oak - California coffeeberry	PSEMEN / LITDEN - FRACAL		new377	GUSU	KM	Atzet & Wheeler 1984: 167.
<i>Pseudotsuga menziesii</i> / <i>Lithocarpus densiflorus</i> - <i>Quercus chrysolepis</i>	Douglas-fir / tan oak - canyon live oak	PSEMEN / LITDEN - QUECHR		CEGL000076	G3S3	KM	Atzet & Wheeler 1984: 175, 176, 220.
<i>Pseudotsuga menziesii</i> / <i>Lithocarpus densiflorus</i> / <i>Gaultheria shallon</i>	Douglas-fir / tan oak / salal	PSEMEN / LITDEN / GAUSHA		CEGL000075	G3S3	KM	Atzet & Wheeler 1984: 165, 168, 169, 216.

Scientific name	Common name	Acronym	Wetland	ELCODE	Rank	Ecoreg	References with plot data
<i>Pseudotsuga menziesii</i> / <i>Lithocarpus densiflorus</i> / <i>Mahonia nervosa</i> var. <i>nervosa</i>	Douglas-fir / tan oak / dwarf Oregongrape	PSEMEN / LITDEN / BERNEV		new375	G3S3	KM	Atzet & Wheeler 1984: 173, 174, 219.
<i>Pseudotsuga menziesii</i> / <i>Lithocarpus densiflorus</i> / <i>Rhododendron occidentale</i>	Douglas-fir / tan oak / western azalea	PSEMEN / LITDEN / RHOCC		CEGL000077	G3S3	KM	unpublished
<i>Pseudotsuga menziesii</i> / <i>Lithocarpus densiflorus</i> / <i>Toxicodendron diversilobum</i>	Douglas-fir / tan oak / poison oak	PSEMEN / LITDEN / TOXDIV		CEGL000078	G4S4	KM	Atzet & Wheeler 1984: 177, 218.
<i>Pseudotsuga menziesii</i> / <i>Lithocarpus densiflorus</i> / <i>Vaccinium uliginosum</i>	Douglas-fir / tan oak / bog blueberry	PSEMEN / LITDEN / VACULI		CEGL000079	GUSU	KM	unpublished
<i>Pseudotsuga menziesii</i> / <i>Mahonia aquifolium</i>	Douglas-fir / Pipers Oregongrape	PSEMEN / MAHAQU		CEGL000069	G3S3	KM	Atzet & Wheeler 1984: 224 (in part).
<i>Pseudotsuga menziesii</i> / <i>Mahonia nervosa</i>	Douglas-fir / dwarf Oregongrape	PSEMEN / MAHNER		CEGL000068	G3S3	CR, KM, WC, WV	Atzet & Wheeler 1984: 223; Atzet et al. 1996: PSME 32; Klinka et al. 1996: 151 (BC); McCain & Diaz 2001a: PSME 23; McCain & Diaz 2001b: PSME 27.
<i>Pseudotsuga menziesii</i> / <i>Mahonia nervosa</i> - <i>Gaultheria shallon</i>	Douglas-fir / dwarf Oregongrape - salal	PSEMEN / MAHNER - GAUSHA		new?	G3S3	CR, WC, WV	McCain & Diaz 2001a: PSME 13; McCain & Diaz 2001b: PSME 17.
<i>Pseudotsuga menziesii</i> / <i>Mahonia repens</i>	Douglas-fir / creeping Oregongrape	PSEMEN / MAHREP		CEGL000442	G2S2	BM, KM	Cole 1977: 59; Steele et al. 1981: 36 (ID); Cole 1982: 8; Steele et al. 1983: 30 (ID, WY); Atzet & Wheeler 1984: 222.
<i>Pseudotsuga menziesii</i> / <i>Physocarpus malvaceus</i>	Douglas-fir / mallow ninebark	PSEMEN / PHYMAL		CEGL000447	G5S3	BM	Hall 1973: 31; Steele et al. 1981: 44 (ID); Cole 1982: 57; Cole 1982: 6; Steele et al. 1983: 22 (ID, WY); Johnson & Simon 1987: 345; Cooper et al. 1991: 73 (ID); Johnson & Clausnitzer 1992: 83.
<i>Pseudotsuga menziesii</i> / <i>Pseudoroegneria spicata</i>	Douglas-fir / bluebunch wheatgrass	PSEMEN / PSESPI		CEGL000908	G5S2	BM	Cole 1977: 54; Steele et al. 1981: 30 (ID); Cole 1982: 5; Cooper et al. 1991: 77 (ID).
<i>Pseudotsuga menziesii</i> / <i>Pteridium aquilinum</i>	Douglas-fir / bracken fern	PSEMEN / PTEAQU		new478	GUSU	EC	Titus et al. 1998.
<i>Pseudotsuga menziesii</i> / <i>Quercus chrysolepis</i>	Douglas-fir / canyon live oak	PSEMEN / QUECHR		CEGL000926	G3S2	KM	unpublished
<i>Pseudotsuga menziesii</i> / <i>Rhododendron macrophyllum</i> - <i>Vaccinium ovatum</i>	Douglas-fir / wetern rhododendron - evergreen huckleberry	PSEMEN / RHOMAC - VACOVA		new	G3S3	CR	Christy et al. 1998: 50.
<i>Pseudotsuga menziesii</i> / <i>Ribes lacustre</i>	Douglas-fir / swamp gooseberry	PSEMEN / RIBLAC	wetland	new456	GUSU	EC	Titus et al. 1998.
<i>Pseudotsuga menziesii</i> / <i>Spiraea betulifolia</i>	Douglas-fir / birchleaf spiraea	PSEMEN / SPIBET		CEGL000457	G5S4	BM	Head 1959: 27; Steele et al. 1981: 40 (ID); Steele et al. 1983: 26 (ID, WY); Johnson & Simon 1987: 352; Cooper et al. 1991: 76 (ID).
<i>Pseudotsuga menziesii</i> / <i>Symphoricarpos albus</i>	Douglas-fir / common snowberry	PSEMEN / SYMALB	wetland	CEGL000459	G5S3	BM, CB, EC, WC	Steele et al. 1983: 25 (ID, WY); Johnson & Simon 1987: 358; Cooper et al. 1991: 75 (ID); Johnson & Clausnitzer 1992: 87; Wootton & Morrison 1995: 77; Crowe & Clausnitzer 1997: 64, 66; Titus et al. 1998.
<i>Pseudotsuga menziesii</i> / <i>Symphoricarpos albus</i> / <i>Hieracium albertinum</i>	Douglas-fir / common snowberry / Hawkweed	PSEMEN / SYMALB / HIEALB		CEGL000458	G2S2	EC	Topik et al. 1988: 67; Titus et al. 1998.
<i>Pseudotsuga menziesii</i> / <i>Symphoricarpos hesperius</i>	Douglas-fir / hairy snowberry	PSEMEN / SYMHES		new5699	G2S2	WC, KM, EC, WV	Hemstrom et al. 1987: 74; Henderson et al. 1986
<i>Pseudotsuga menziesii</i> / <i>Symphoricarpos oreophilus</i>	Douglas-fir / mountain snowberry	PSEMEN / SYMORE		CEGL000462	G5S3	BM	Steele et al. 1981: 32 (ID); Steele et al. 1983: 34 (ID, WY); Day & Wright 1985: 5 (ID); Johnson & Simon 1987:365; Johnson & Clausnitzer 1992:89.
<i>Pseudotsuga menziesii</i> / <i>Toxicodendron diversilobum</i>	Douglas-fir / poison oak	PSEMEN / RHUDIV		CEGL000072	G4S4	CR, KM, WC, WV	Atzet & Wheeler 1984:224, 225; Atzet & McCrimmon 1990: 311, 315; McCain & Diaz 2001a: PSME 7; McCain & Diaz 2001B: PSME 11.
<i>Pseudotsuga menziesii</i> / <i>Trautvetteria caroliniensis</i>	Douglas-fir / false bugbane	PSEMEN / TRACAR	wetland	new306	GUSU	BM	Crowe & Clausnitzer 1997: 68.
<i>Pseudotsuga menziesii</i> / <i>Vaccinium membranaceum</i>	Douglas-fir / thin-leaved blueberry	PSEMEN / VACMEM		CEGL000464	G5S2	BM	Johnson & Simon 1987: 364; Johnson & Clausnitzer 1992: 81.
<i>Psilocarpus brevissimus</i> vernal pool	dwarf woolly-heads vernal pool	PSIBRE	wetland	new308	G2S2	KM	Titus unpublished.
<i>Puccinellia lemmonii</i> - <i>Poa secunda</i>	Lemmon alkaligrass - Sandberg bluegrass	PUCLEM - POASEC	wetland	CEGL001658	G2S1	BM, BR, EC	unpublished - Baker Co. Soil Survey has ONE PLOT of PULE - DISP, which is probably a better name.
<i>Purshia tridentata</i> - <i>Artemisia tridentata</i> ssp. <i>wyomingensis</i> / <i>Oryzopsis hymenoides</i> - <i>Hesperostipa comata</i>	inland shrub dunes	PURTRI - ARTTRIW / ORYHYM - STICOM		CEGL001491	G2S1	CB, BR	Poulton 1955.
<i>Purshia tridentata</i> / <i>Carex inops</i> ssp. <i>inops</i> - <i>Achnatherum occidentale</i>	bitterbrush / long-stolon sedge - western needlegrass	PURTRI / CARINO - ACHOCC		CEGL001492	G1S1	EC	Volland 1976: 29.
<i>Purshia tridentata</i> / <i>Festuca idahoensis</i> - ( <i>Pseudoroegneria spicata</i> )	bitterbrush / Idaho fescue - (bluebunch wheatgrass)	PURTRI / FESIDA - (PSESPI)		CEGL001496	G1S1	BM, EC	Dealy 1971: 64; Johnson & Simon 1987: 167; Johnson & Clausnitzer 1992: 135.
<i>Purshia tridentata</i> / <i>Oryzopsis hymenoides</i>	bitterbrush / indian ricegrass dune community	PURTRI / ORYHYM		CEGL001058	G3SU	CB, BR	Daubenmire 1970 (WA); Easterly & Salstrom 1998: 29 (WA).

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<i>Purshia tridentata</i> / <i>Poa secunda</i>	bitterbrush / Sandberg bluegrass	PURTRI / POASEC		CVCFPT0PP1	G1S1	CB	unpublished
<i>Purshia tridentata</i> / <i>Pseudoroegneria spicata</i>	bitterbrush / bluebunch wheatgrass	PURTRI / PSESPI		CEGL001495	G3S1	BM, EC	Hall 1973: 20; Johnson & Simon 1987: 172; Easterly & Salstrom 1998: 25 (WA)..
<i>Purshia tridentata</i> / <i>Hesperostipa comata</i>	bitterbrush / needle-and-thread	PURTRI / STICOM		CEGL001498	G2S1	CB, BR	Poulton 1955; Daubenmire 1970 (WA); Easterly & Salstrom 1998: 26 (WA).
<i>Quercus garryana</i> - <i>Acer macrophyllum</i> - <i>Pseudotsuga menziesii</i> / <i>Acer circinatum</i> - <i>Corylus cornuta</i>	white oak - bigleaf maple - Douglas-fir / vine maple - hazel	QUEGAR - ACEMAC - PSEMEN / ACECIR - CORCOR	wetland	new	G3S3	WV	unpublished - no plot data
<i>Quercus garryana</i> - <i>Fraxinus latifolia</i> / <i>Symphoricarpos albus</i>	white oak - Oregon ash / common snowberry	QUEGAR - FRALAT / SYMALB	wetland	CEGL003299	G2	KM, WV	Smith 1985: 529; Titus et al. 1996.
<i>Quercus garryana</i> - <i>Juniperus occidentalis</i> / <i>Ceanothus cuneatus</i> / <i>Festuca idahoensis</i>	white oak - western juniper savanna	QUEGAR - JUNOCC / CEACUN / FESIDA		new 577	G1S1	KM	unpublished
<i>Quercus garryana</i> - <i>Quercus kelloggii</i> / <i>Toxicodendron diversilobum</i>	white oak - black oak / poison oak	QUEGAR - QUEKEL / TOXDIV		CEGL000931	G2G3 S2	WV, KM	Smith 1985: 528; Jimmerson, T.M. 1993.
<i>Quercus garryana</i> / <i>Ceanothus cuneatus</i> / <i>Festuca idahoensis</i>	white oak / buckbrush / Idaho fescue	QUEGAR / CEACUN / FESIDA		CEGL000930	G2S2	KM	Riegel et al. 1991: 70.
<i>Quercus garryana</i> / <i>Elymus glaucus</i>	white oak / blue wildrye	QUEGAR / ELYGLA	wetland	CEGL000550	G1G2	CB, EC	
<i>Quercus garryana</i> / <i>Festuca roemerii</i>	white oak / Roemer fescue savanna	QUEGAR SAVANNA		CEGL0001714	G1S1	CR, WV, KM	unpublished
<i>Quercus garryana</i> / <i>Pseudoregnaria spicata</i>	white oak / bluebunch wheatgrass	QUEGAR / PSESPI		CEGL000552	G1G2 S1	CB, EC	unpublished
<i>Quercus garryana</i> / <i>Symphoricarpos albus</i> / <i>Polystichum munitum</i>	white oak / snowberry / sword fern	QUEGAR / SYMALB / POLMUN		new16	G1S1	WV	Thilenius 1968: 1128.
<i>Quercus garryana</i> / <i>Toxicodendron diversilobum</i> / <i>Elymus glaucus</i>	white oak / poison oak / blue wildrye	QUEGAR / RHUDIV / ELYGLA		CEGL000932	G2S1	WV, WC, EC, CR	Thilenius 1968: 1128; Riegel et al. 1991: 70.
<i>Ranunculus aquatilis</i>	water crowfoot aquatic bed	RANAQU	wetland	CWWA000133	G5S5	BM, BR, CB, CR, EC, KM, WC, WV	Viereck et al. 1992: 206 (AK); Rodwell 1995: 87 (UK); Titus et al. 1996; Boggs 1998: 181 (AK); Titus et al. 1998.
<i>Ranunculus flammula</i>	creeping buttercup aquatic bed	RANFLA		new	G5S3	CR, WC	unpublished
<i>Ranunculus lobbii</i>	Lobb buttercup aquatic bed	RANLOB	wetland	new	G2S2	WV, KM	Titus & Christy 1996c.
<i>Rhododendron occidentale</i> / <i>Camassia quamash</i>	western azalea / camas shrub	RHOCC / CAMQUA	wetland	new307	G2S2	KM	Titus & Christy 1996d.
<i>Rhus glabra</i> / <i>Pseudoroegneria spicata</i>	smooth sumac / bluebunch wheatgrass	RHUGLA / PSESPI		CEGL001122	G3S2	BM	Daubenmire 1970 (WA); Johnson & Simon 1987: 201.
<i>Ribes bracteosum</i> - <i>Rubus spectabilis</i>	blue currant / salmonberry	RIBBRA - RUBSPE	wetland	CWWA000135	G5S4	WC	Diaz & Mellen 1996: 123, 127, 131.
<i>Ribes lacustre</i> / <i>Cinna latifolia</i> - <i>Glyceria striata</i>	prickly currant / drooping woodreed - fowl mannagrass riparian	RIBLAC / CINLAT - GLYSTR	wetland	CWWA000023	G2S2	BM	Crowe & Clausnitzer 1997: 150, 164.
<i>Rorippa nasturtium-aquaticum</i>	watercress aquatic bed	RORNAT	wetland	new512	GUSU	EC	Titus et al. 1998.
<i>Rosa nutkana</i> / <i>Deschampsia cespitosa</i>	Nootka rose / tufted hairgrass brush prairie	ROSNUT / DESCES	wetland	new308	G2S2	WV	Boss 1983: 98; Kauffman & Connelly 1988: 2, 3; Connelly 1989: 21, 22; Connelly & Kauffman 1991: 10; Wilson et al. 1993: 41.
<i>Rosa nutkana</i> / <i>Oenanthe sarmentosa</i>	Nootka rose / water parsley shrub swamp	ROSNUT / OENSAR	wetland	new309	G2S2	WV	Marshall 1985: 142.
<i>Rosa woodsii</i>	Wood's rose	ROSWOO	wetland	CEGL001126	GUSU	BM, BR, CB, EC	Titus et al. 1998.
<i>Ruppia maritima</i> (estuarine association)	ditch-grass bed (estuarine)	RUPMAR ESTUARINE	wetland	CWWA000187	G5S4	CR	Eilers 1975: 220.
<i>Ruppia maritima</i> (interior alkaline association)	ditch-grass alkaline bed	RUPMAR INTERIOR ALKALINE	wetland	new312	G5S3	BM, BR	unpublished
<i>Sagittaria latifolia</i>	wapato marsh	SAGLAT	wetland	CWWA000136	G3S2	WV	Christy & Putera 1993: 40; Kunze 1994: 48, 57 (WA); Titus et al. 1996.
<i>Salicornia virginica</i>	glasswort salt marsh	SALVIR	wetland	CWWA000138	G4S2	CR	Eilers 1984: 12; Dethier 1990: 32, 33 (WA).
<i>Salicornia virginica</i> - <i>Distichlis spicata</i> - <i>Triglochin maritima</i> - ( <i>Jaumea carnosa</i> )	glasswort - saltgrass - arrow grass - (jaumea) salt marsh	SALVIR - DISSPI - TRIMAR - (JAUCAR)	wetland	CWWA000137	G3S2	CR	Eilers 1984: 12; Dethier 1990: 34 (WA).
<i>Salix</i> ( <i>Salix hookeriana</i> - <i>Salix sitchensis</i> ) - <i>Spiraea douglasii</i>	willow (Hooker willow - Sitka willow) - Douglas spiraea shrub swamp	SALIX (SALHOO - SALSIT) - SPIDOU	wetland	new315	G3G4 S3	CR	Christy & Putera 1993: 40; Kunze 1994: 89, 90 (WA).

Scientific name	Common name	Acronym	Wetland	ELCODE	Rank	Ecoreg	References with plot data
<i>Salix amygdaloides</i> - <i>Salix exigua</i>	peachleaf willow - coyote willow	SALAMY - SALEXI	wetland	CEGL000948	G3S2 G1Q	CB, BM	unpublished
<i>Salix boothii</i>	Booth willow mesic forbs shrubland	SALBOO	wetland	CEGL001180	GUSU	BM, EC	Titus et al. 1998.
<i>Salix boothii</i> - <i>Salix eastwoodiae</i> / <i>Carex nigricans</i>	Booth willow - mountain willow riparian / black alpine sedge	SALBOO - SALEAS / CARNIG	wetland	CEGL002607	G3S2	EC	Kovalchik 1987: 137.
<i>Salix boothii</i> - <i>Salix geyeriana</i>	Booth willow - Geyer willow	SALBOO - SALGEY	wetland	CEGL001184	GUSU	BM, EC	Titus et al. 1998.
<i>Salix boothii</i> - <i>Salix geyeriana</i> / <i>Carex angustata</i>	Booth willow - Geyer willow / widefruit sedge	SALBOO - SALGEY / CARANG	wetland	CEGL001185	G3S3	EC	Kovalchik 1987: 78.
<i>Salix boothii</i> - <i>Salix geyeriana</i> / <i>Carex aquatilis</i> var. <i>aquatilis</i>	Booth willow - Geyer willow / water sedge	SALBOO - SALGEY / CARAQUA	wetland	CEGL001176	G3S3	BM, EC	Kovalchik 1987: 80; Padgett et al. 1989: 56, 65 (in part; ID, UT); Manning & Padgett 1991: 265 (NV); Titus & Christy 1996a; Crowe & Clausnitzer 1997: 108; Titus 1998b.
<i>Salix boothii</i> - <i>Salix geyeriana</i> / <i>Carex pellita</i>	Booth willow - Geyer willow / woolly sedge	SALBOO - SALGEY / CARPEL	wetland	new317	G3S2	EC	Kovalchik 1987: 76; Manning & Padgett 1991: 262 (NV); Crowe & Clausnitzer 1997: 110.
<i>Salix boothii</i> - <i>Salix geyeriana</i> / <i>Carex utriculata</i>	Booth willow - Geyer willow / beaked sedge	SALBOO - SALGEY / CARUTR	wetland	CEGL001178	G3S3	BM, EC	Kovalchik 1987: 84; Crowe & Clausnitzer 1997: 106.
<i>Salix boothii</i> - <i>Salix lemmonii</i> / <i>Aconitum columbianum</i>	Booth willow - Lemmon willow / Columbia monkshood	SALBOO - SALLEM / ACOCOL	wetland	CEGL001186	G3S2	EC, BM	Kovalchik 1987: 137.
<i>Salix boothii</i> / <i>Calamagrostis canadensis</i>	Booth willow / bluejoint reedgrass	SALBOO / CALCAN	wetland	CEGL001175	GUSU	BM	Padgett et al. 1989: 59 (ID, UT); Titus et al. 1998.
<i>Salix boothii</i> / <i>Carex scopulorum</i>	Booth willow / Holm sedge	SALBOO / CARSCO	wetland	new591	GUSU	BM	Titus et al. 1998.
<i>Salix commutata</i> / <i>Carex scopulorum</i>	undergreen willow / Holm sedge shrub	SALCOM / CARSCO	wetland	CEGL001189	G4S3	BM, EC	Kovalchik 1987: 137; Crowe & Clausnitzer 1997: 104; Titus et al. 1998.
<i>Salix commutata</i> / <i>Senecio triangularis</i>	undergreen willow / arrowleaf groundsel	SALCOM / SENTRI	wetland	new519	GUSU	BM, EC	Titus et al. 1998.
<i>Salix drummondiana</i>	Drummond willow	SALDRU	wetland	CEGL001190	G3S1	BM, BR	Manning & Padgett 1991: 321 (NV).
<i>Salix drummondiana</i> / <i>Carex scopulorum</i> var. <i>prionophylla</i>	Drummond willow / Holm sedge	SALDRU / CARSCO	wetland	CWWA000024	G2SU	BM	Kovalchik 1992: 94 (WA).
<i>Salix eriocephala</i>	rigid willow	SALERI	wetland	new436	GUSU	BM, BR	Titus et al. 1998.
<i>Salix eriocephala</i> - <i>Ribes aureum</i>	rigid willow - golden currant riparian	SALERI - RIBAU	wetland	CEGL001233	G3S2	BM, BR	Padgett 1981: 62; Evenden 1989: 40, 41; Manning & Padgett 1991: 122, 276, 333 (NV); Titus et al. 1998.
<i>Salix eriocephala</i> - <i>Salix exigua</i>	coyote willow - rigid willow	SALERI - SALEXI	wetland	new37	G3S2	BM, BR	Huschle 1975: 233; Titus et al. 1998.
<i>Salix exigua</i>	coyote willow	SALEXI	wetland	CEGL001200	GUSU	BM, BR, CB, EC	Myhre & Clements 1972: 6; Miller 1976: 130 (ID); Padgett 1981: 61; Kovalchik 1987: 137; Evenden 1989: 41; Titus et al. 1998.
<i>Salix exigua</i> - <i>Salix lucida</i> ssp. <i>caudata</i>	coyote willow - Pacific willow	SALEXI - SALLUCC	wetland	CEGL001204	G2QS 2	BM, BR, CB, EC	Myhre & Clements 1972: 5. NOTE - perhaps same as one below.
<i>Salix exigua</i> - <i>Salix lucida</i> ssp. <i>caudata</i> / <i>Carex nebrascensis</i> - <i>Eleocharis palustris</i>	coyote willow - Pacific willow / Nebraska sedge - common spikerush	SALEXI - SALLUCC / CARNEB - ELEPAL	wetland	CEGL001204	G2SU	BM, BR	Padgett et al. 1989: 73 (in part; ID, UT); Titus et al. 1998.
<i>Salix exigua</i> / <i>Eleocharis palustris</i> - <i>Scirpus microcarpus</i>	coyote willow / common spikerush - smallfruit bulrush	SALEXI / ELOPAL - SCIMIC	wetland	new437	GUSU	BM, BR, CB	Titus et al. 1998.
<i>Salix exigua</i> / <i>Equisetum arvense</i>	coyote willow / common horsetail	SALEXI / EQUARV	wetland	CEGL001201	G3S2	BM, BR, CB, EC	Huschle 1975: 232, 233; Padgett et al. 1989: 75 (ID, UT); Crowe & Clausnitzer 1997: 114; Moseley 1998: 24 (ID); Titus et al. 1998.
<i>Salix geyeriana</i>	Geyer willow	SALGEY	wetland	new77	G4S4	BM, BR, EC	Padgett 1981: 65, 66; Wilson 1986: 22; Evenden 1989: 37.
<i>Salix geyeriana</i> - <i>Salix eriocephala</i>	Geyer willow - rigid willow	SALGEY - SALERI	wetland	CEGL001213	G3S1	BR, CB	unpublished
<i>Salix geyeriana</i> - <i>Salix hookeriana</i>	Geyer willow - Piper willow	SALGEY - SALHOO	wetland	new321	G1S1	WV	Christy unpublished (Banks Swamp)
<i>Salix geyeriana</i> - <i>Salix lemmonii</i>	Geyer willow - Lemmon willow	SALGEY - SALLEM	wetland	CEGL001212	G3S2	EC	Kovalchik 1987: 74, 82; Titus et al. 1998.
<i>Salix geyeriana</i> / <i>Carex aquatilis</i> var. <i>dives</i>	Geyer willow / Sitka sedge	SALGEY / CARAQUD	wetland	CEGL003386	GUSU	EC	Kovalchik 1987: 82; Padgett et al. 1989: 65 (ID, UT); Titus et al. 1998.
<i>Salix geyeriana</i> / <i>Juncus balticus</i>	Geyer willow / Baltic rush	SALGEY / JUNBAL	wetland	new578	GUSU	BM, BR	Titus et al. 1998.
<i>Salix hookeriana</i> - ( <i>Salix lucida</i> ssp. <i>lasiandra</i> - <i>Salix sitchensis</i> )	Piper willow - (Pacific willow - Sitka willow) shrub swamp	SALHOO - (SALLUCL - SALSIT)	wetland	CWWA000141	G3S3	WV	Christy & Putera 1993: 41; Kunze 1994: 51,97 (WA); Titus et al. 1996.
<i>Salix hookeriana</i> - <i>Myrica californica</i>	coast willow deflation plain wetland	SALHOO - MYRCAL	wetland	CEGL001138	G4S4	CR	Wiedemann 1966; Wiedemann 1984.

Scientific name	Common name	Acronym	Wetland	ELCODE	Rank	Ecoreg	References with plot data
<i>Salix hookeriana</i> - ( <i>Malus fusca</i> ) / <i>Carex obnupta</i> - <i>Lysichiton americanus</i>	coast willow - (crabapple) / slough sedge - skunk cabbage shrub swamp	SALHOO - Malfus / CAROBN - LYSAME	wetland	CEGL003432	G3S2	CR	Christy et al. 1998; 80. Christy 2001.
<i>Salix hookeriana</i> - <i>Spiraea douglasii</i>	coast willow - Douglas spiraea shrub swamp	SALHOO - SPIDOU	wetland	CEGL003386	G4S4	CR	Christy & Putera 1993: 40; Kunze 1994: 90 (WA).
<i>Salix hookeriana</i> / ( <i>Argentina egedii</i> ssp. <i>egedii</i> ) - <i>Carex obnupta</i>	Piper willow / (Pacific silverweed) - slough sedge	SALHOO / (ARGEGE) - CAROBN	wetland	CWWA000140	G4S4	CR	Christy et al. 1998: 76.
<i>Salix lasiolepis</i> - <i>Cornus sericea</i>	arroyo willow - creek dogwood	SALLAS - CORSER	wetland	new599	GUSU	BM, BR, CB, EC	Titus et al. 1998.
<i>Salix lasiolepis</i> - <i>Philadelphus lewisii</i>	arroyo willow - mockorange	SALLAS - PHILEW	wetland	new600	GUSU	BM, BR, CB, EC	Titus et al. 1998.
<i>Salix lasiolepis</i> - <i>Rosa woodsii</i>	arroyo willow - Wood's rose	SALLAS - ROSWOO	wetland	CEGL001217	GUSU	BM, BR, CB, EC	Titus et al. 1998.
<i>Salix lemmonii</i>	Lemmon willow	SALLEM	wetland	new586	GUSU	BM, BR	Titus et al. 1998.
<i>Salix lemmonii</i> - <i>Philadelphus lewisii</i>	Lemmon willow - mockorange	SALLEM - PHILEW	wetland	new601	GUSU	BM, BR	Titus et al. 1998.
<i>Salix lemmonii</i> - <i>Vaccinium uliginosum</i>	Lemmon willow - bog blueberry shrub swamp	SALLEM - VACULI	wetland	new316	G4S3	BM, BR	Padgett 1981: 68; Evenden 1989: 35.
<i>Salix lemmonii</i> / <i>Carex aquatilis</i> var. <i>dives</i>	Lemmon willow / Sitka sedge	SALLEM / CARAQU	wetland	CEGL001212	G3S3	EC	Titus et al. 1998.
<i>Salix lucida</i> ssp. <i>caudata</i>	Pacific willow	SALLUCC	wetland	CEGL001215	GUSU	BM, BR, CB, EC	Titus et al. 1998.
<i>Salix lucida</i> ssp. <i>caudata</i> / <i>Equisetum arvense</i>	Pacific willow / common horsetail	SALLUCC / EQUARV	wetland	new598	GUSU	BM, BR, CB, EC	Titus et al. 1998.
<i>Salix lucida</i> ssp. <i>caudata</i> / <i>Rosa woodsii</i>	Pacific willow / Wood's rose	SALLUCC / ROSWOO	wetland	CEGL001215	G3S2	BR, CB	Evenden 1989: 37, 38, 39; Manning & Padgett 1991: 300 (NV).
<i>Salix lucida</i> ssp. <i>caudata</i> / <i>Scirpus microcarpus</i>	Pacific willow / small-fruited bulrush	SALLUCC / SCIMIC	wetland	new 599	GUSU	BM, BR, CB, EC	Titus et al. 1998.
<i>Salix lucida</i> ssp. <i>lasiandra</i> / <i>Salix x fluviatilis</i>	Pacific willow / river willow	SALLUCL / SALXFLU	wetland	CEGL000949	G3S3	WV	Marshall 1985: 143; Christy & Putera 1993: 40; Kunze 1994: 43, 50 (WA).
<i>Salix lucida</i> ssp. <i>lasiandra</i> / <i>Urtica dioica</i> ssp. <i>gracilis</i>	Pacific willow / stinging nettle	SALLUCL / URTDIO	wetland	CEGL003409	G2S2	WV	Christy & Putera 1993: 41; Kunze 1994: 50 (WA); Titus et al. 1998.
<i>Salix lutea</i> / <i>Carex utriculata</i>	rigid willow / beaked sedge	SALLUT / CARUTR	wetland	CEGL001220	G4S2	BM	unpublished
<i>Salix lutea</i> / <i>Rosa woodsii</i>	rigid willow / golden currant - Wood's rose	SALLUT / ROSWOO	wetland	CEGL002624	G3S2	BM	unpublished
<i>Salix melanopsis</i>	dusky willow	SALMEL	wetland	new588	GUSU	BM, BR	Titus et al. 1998.
<i>Salix scouleriana</i>	Scouler willow	SALSCO	wetland	CWWA000189	G2S2	BM, EC	Crowe & Clausnitzer 1997: 117; Titus et al. 1998.
<i>Salix sitchensis</i>	Sitka willow	SALSIT	wetland	new553	G4S4	WV	Titus & Christy 1996e, 1997.
<i>Salix sitchensis</i> / <i>Equisetum arvense</i> - <i>Petasites frigidus</i>	Sitka willow / common horsetail - colts foot	SALSIT / EQUARV - PETFRI	wetland	CWWA000145	G4S4	WC, WV	Diaz & Mellen 1996: 135; 139; Titus et al. 1999 (WA).
<i>Salix sitchensis</i> / <i>Senecio triangularis</i>	Sitka willow / arrowleaf groundsel	SALSIT / SENTRI	wetland	CWWA000145	GUSU	BM, EC	Titus et al. 1998.
<i>Salvia dorrii</i> / <i>Pseudoroegneria spicata</i>	desert sage / bluebunch wheatgrass	SALDOR / PSESPI		CEGL001453	G4S4	BM, BR, EC	unpublished
<i>Sarcobatus vermiculatus</i> / <i>Atriplex confertifolia</i> - ( <i>Picrothamnus desertorum</i> , <i>Suaeda moquinii</i> )	black greasewood - shadscale - spiny hopsage	ATRCON - ATRSPI - SARVER		CEGL001371	G5?S4	BR	Blackburn, W. H., P. T. Tueller, and R. E. Eckert, Jr. 1969b
<i>Sarcobatus vermiculatus</i> - <i>Atriplex spinosa</i> / ( <i>Achnatherum hymenoides</i> )	greasewood - spiny hopsage / (indian ricegrass) playa	SARVER - ATRSPI / (ACHHYM)		CEGL001356	G3S2	BR	unpublished
<i>Sarcobatus vermiculatus</i> / <i>Achnatherum hymenoides</i>	black greasewood / indian ricegrass playa	SARVER / ACHHYM		CEGL001373	G4S2	BR	unpublished
<i>Sarcobatus vermiculatus</i> / <i>Distichlis spicata</i>	black greasewood / alkali saltgrass playa	SARVER / DISSPI	wetland	CEGL001363	G4S4	BR	Daubenmire 1970: 50, 51 (WA); Dealy et al. 1981:49; Moseley 1998: 33 (ID).
<i>Sarcobatus vermiculatus</i> / <i>Leymus cinereus</i>	black greasewood / basin wildrye playa	SARVER / LEYCIN	wetland	CEGL001366	G3S2	BR	
<i>Sarcobatus vermiculatus</i> / <i>Leymus triticoides</i>	black greasewood / beardless wildrye	SARVER / LEYTRI	wetland	CEGL00??? New	GUSU	BR	Burns/Lakeview database
<i>Sarcobatus vermiculatus</i> / <i>Nitrophila occidentalis</i> - <i>Suaeda moquinii</i>	black greasewood / borax weed - bushy seablite playa	SARVER / NITOC - SUAMOQ	wetland	CEGL001369	G5S5	BR	unpublished
<i>Sarcobatus vermiculatus</i> / <i>Suaeda moquinii</i>	black greasewood / bushy seablite playa	SARVER / SUAMOQ	wetland	CEGL001370	G4S4	BR	unpublished
<i>Sarcobatus vermiculatus</i> / <i>Sporobolus airoides</i>	black greasewood / alkali sacaton	SARVER / SPOAIR	wetland	CEGL001368	G4S4	BR	unpublished



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<i>Saxifraga mertensiana</i>	wood saxifrage	SAXMER	wetland	new501		KM	Titus 1998a.
<i>Saxifraga nuttallii</i> - <i>Selaginella wallacei</i>	Nuttall saxifrage - Wallace selaginella	SAXNUT - SELWAL	wetland	new500		KM	Titus 1998a.
<i>Saxifraga odontoloma</i> - <i>Senecio triangularis</i>	brook saxifrage - arrowleaf groundsel riparian	SAXODO - SENTRI	wetland	CEGL001985	G3G4 S3	BM, EC, WC	Diaz & Mellen 1996: 183; Crowe & Clausnitzer 1997: 213; Titus et al. 1998.
<i>Schoenoplectus acutus</i>	hardstem bulrush marsh	SCHACU	wetland	CEGL001840	G5S5	CR, WV, KM, WC, EC, CB, BM, BR	Christy & Cornelius 1980: plot 13; Dethier 1990: 36 (WA); Kunze 1994: 24, 58, 81 (WA); Christy et al. 1998: 116; Moseley 1998: 36 (ID).
<i>Scirpus americanus</i> (estuarine association)	three-square bulrush salt marsh	SCIAME ESTUARINE	wetland	CWWA000146	G3S2	CR	Frenkel et al. 1978: 57, 89, 103; Eilers 1984: 4, 8; Dethier 1990: 33 (WA); Christy & Putera 1993: 39; Kunze 1994: 58 (WA); Christy et al. 1998: 128.
<i>Scirpus americanus</i> (freshwater association)	three-square bulrush freshwater marsh	SCIAME FRESHWATER	wetland	CEGL001841	G4S3	WV, CR	Christy & Putera 1993: 40.
<i>Scirpus americanus</i> (interior alkaline association)	three-square bulrush playa	SCIAME INTERIOR ALKALINE	wetland	new314	G4S4	BM, BR, CB, EC	Kierstead & Pogson 1976: 1-12; Titus et al. 1998.
<i>Scirpus maritimus</i> (estuarine association)	seacoast bulrush salt marsh	SCIMAR ESTUARINE	wetland	CWWA000147	G3S2	CR	Eilers 1975: 225; Eilers 1976: 27; Dethier 1990: 35, 36 (WA); Rodwell 1995: 209 (in part, UK).
<i>Scirpus maritimus</i> (interior alkaline association)	seacoast bulrush playa	SCIMAR INTERIOR ALKALINE	wetland	CEGL001843	G4S4	BR	unpublished
<i>Scirpus microcarpus</i>	small-fruited bulrush marsh	SCIMIC	wetland	CWWA000025	G4S4	BM, CR, EC, BR, WV, KM, WC	Frenkel et al. 1978: 82; Ganskopp 1979: 39; Boss 1983: 113; Kovalchik 1987: 112; Evenden 1989: 44; Kovalchik 1992: 179 (WA); Diaz & Mellen 1996: 187; Titus 1996; Crowe & Clausnitzer 1997: 206; Titus et al. 1998; Christy 2001: 37.
<i>Scirpus subterminalis</i>	water clubrush bed	SCISUB	wetland	CWWA000148	G3S2	CR	Kunze 1994: 24 (WA).
<i>Scirpus tabernaemontani</i>	softstem bulrush marsh	SCITAB	wetland	CEGL002623	G5S5	BM, CR, EC, BR, WV, KM, WC, WC, CB	Smith & Smith 1976: 132; Boss 1983: 126, 146; Sanville et al. 1986: 127; Thomas 1980: 6; Viereck et al. 1992: 181; Kovalchik 1992: 181 (WA); Kunze 1994: 49 (WA); Rodwell 1995: 206 (UK); Titus et al. 1998.
<i>Senecio triangularis</i>	arrowleaf groundsel riparian	SENTRI	wetland	CEGL001987	G4S4	BM, BR, EC, WC	Hemstrom et al. 1987: 251; Kovalchik 1987: 124; Manning & Padgett 1991: 95, 365, 373 (NV); Diaz & Mellen 1996: 191; Crowe & Clausnitzer 1997: 212; Titus et al. 1998.
<i>Sequoia sempervirens</i> / <i>Polystichum munitum</i>	coast redwood / sword fern	SEQSEM / POLMUN		CEGL000081	G3S1	CR	Mahony and Stuart 2000:57
<i>Sequoia sempervirens</i> / <i>Vaccinium ovatum</i>	coast redwood / evergreen huckleberry	SEQSEM / VACOVA		CEGL000082	G3S1	CR	Atzet & Wheeler 1984: 158;
<i>Sparganium angustifolium</i>	narrowleaf bur-reed marsh	SPAANG	wetland	CEGL001990	G4S3	BM, BR, CR, EC, WV	Kovalchik 1992: 185 (WA); Kunze 1994: 50, 59 (WA); Christy & Putera 1993: 40; Titus et al. 1996; Titus et al. 1998; Christy et al. 1998: 138.
<i>Sparganium eurycarpum</i>	broadfruited bur-reed marsh	SPAEUR	wetland	CWWA000149	G5S3	CR, WV	Kunze 1994: 81 (WA); Christy & Brophy 2002.
<i>Spartina gracilis</i>	alkali cordgrass playa	SPAGRA	wetland	CWWA000191	G3SU	BM	WANHP
<i>Spartina pectinata</i>	prairie cordgrass marsh	SPAPEC	wetland	CEGL001476	G3S1	BM, CB	WANHP
<i>Spiraea douglasii</i>	Douglas spiraea shrub swamp	SPIDOU	wetland	CEGL001129	G5S4	CR, EC, WC, WV	Hemstrom et al. 1987: 250, 259; Kovalchik 1987: 137; Kovalchik 1992: 145 (WA); Kunze 1994: 31, 90 (WA); Titus & Christy 1996e, 1997; Christy et al. 1998: 78.
<i>Spiraea douglasii</i> - <i>Vaccinium uliginosum</i> / <i>Carex obnupta</i> / <i>Sphagnum</i>	Douglas spiraea - bog blueberry / slough sedge / sphagnum	SPIDOU -VACULI / CAROBN / SPHAGN	wetland	new	G2S2	CR	Christy 2001: 29.
<i>Spiraea douglasii</i> / <i>Sphagnum</i>	Douglas spiraea / sphagnum fen	SPIDOU / SPHAGN	wetland	CEGL003416	G3S1	WV	Kunze 1994: 18 (WA); Titus et al. 1996: ; Christy 2001: 28.
<i>Sporobolus airoides</i> - <i>Distichlis spicata</i>	alkali saltgrass - alkali sacaton	SPOAIR - DISSPI	wetland	CEGL001687	G3G5 S3	BR	Lakeview/Burns data
<i>Sporobolus cryptandrus</i>	sand dropseed	SPICRP		CEGL001516	G2S1	BM, BR	Johnson & Simon 1987: 216; Easterly & Salstrom 1998: 31 (WA).
<i>Stachys ciliata</i>	great betony riparian	STACIL	wetland	new326	G4S4	WC	Diaz & Mellen 1996: 195, 199.
<i>Hesperostipa comata</i> - <i>Poa secunda</i>	needle-and-thread - Sandberg bluegrass	STICOM - POASEC		CEGL001704	G1S1	CB	Poulton 1955; Daubnemire 1970 (WA).
<i>Stipa lemmonii</i> / <i>Racomitrium canescens</i>	Lemmon needlegrass / wavy-cell moss bald	STILEM - RACCAN		CEGL001800	G1S1	WV	unpublished
<i>Symphoricarpos albus</i>	common snowberry	SYMALB		new350	GUSU	BM	Hall 1973: 22

Scientific name	Common name	Acronym	Wetland	ELCODE	Rank	Ecoreg	References with plot data
<i>Symphoricarpos albus</i> - <i>Rosa woodsii</i>	common snowberry - Wood's rose	SYMALB - ROSWOO		CEGL001130	G4S3	CB, BM	Daubenmire 1970 (WA); Tisdale 1979: 7.
<i>Taxus brevifolia</i> / <i>Athyrium filix-femina</i>	Pacific yew / lady fern woodland	TAXBRE / ATHFIL	wetland	new455	GUSU	BM	Titus et al. 1998.
<i>Thuja plicata</i> - ( <i>Alnus rubra</i> ) / <i>Rubus spectabilis</i> / <i>Oxalis oregana</i>	western red cedar - (red alder) / salmonberry / Oregon oxalis	THUPLI - (ALNRUB) / RUBSPE / OXAORE	wetland	CWWA000157	G3S2	WC	Diaz & Mellen 1996: 39
<i>Thuja plicata</i> - <i>Tsuga heterophylla</i> / <i>Corylus cornuta</i> / <i>Polystichum munitum</i>	western red cedar - western hemlock / hazel / swordfern	THUPLI - TSUHET / CORCOR / POLMUN		CTGBTPTC01	G2S1	WV, WC	unpublished
<i>Thuja plicata</i> - <i>Tsuga heterophylla</i> / <i>Lysichiton americanus</i>	western red cedar - western hemlock / skunk cabbage	THUPLI - TSUHET / LYSAME	wetland	CEGL000495	G3S1	CR, WC, WV	Franklin 1966: 87 (WA); Henderson 1970: 42; Henderson 1979: 200; Topik et al. 1986: 70; Henderson et al. 1989: 378 (WA); Henderson et al. 1992: 48 (WA); Kunze 1994: 34, 94 (WA)
<i>Thuja plicata</i> - <i>Tsuga heterophylla</i> / <i>Mahonia nervosa</i> var. <i>nervosa</i>	western red cedar - western hemlock / dwarf Oregongrape	THUPLI - TSUHET / MAHNER		CTGBTPTB01	G3S1	KM, WC	Atzet & Wheeler 1984: 114.
<i>Thuja plicata</i> - <i>Tsuga heterophylla</i> / <i>Oxalis oregana</i>	western red cedar - western hemlock / Oregon oxalis	THUPLI - TSUHET / OXAORE		CEGL000483	G3S2	CR, WC	Atzet & McCrimmon 1990: 171.
<i>Thuja plicata</i> - <i>Tsuga heterophylla</i> / <i>Rhododendron macrophyllum</i> / <i>Linnaea borealis</i>	western red cedar - western hemlock / western rhododendron / twinflower	THUPLI - TSUHET / RHOMAC / LINBOR		CEGL000485	G3S3	WC	Atzet & McCrimmon 1990: 196.
<i>Thuja plicata</i> - <i>Tsuga heterophylla</i> / <i>Whipplea modesta</i>	western red cedar - western hemlock / Whipplevine	THUPLI - TSUHET / WHIMOD		CEGL000486	G2G3 S3	WC	Atzet & McCrimmon 1990: 199.
<i>Thuja plicata</i> / <i>Athyrium filix-femina</i>	western red cedar / lady fern	THUPLI / ATHFIL	wetland	CEGL000473	G3G4 S2	WC	Kovalchik 1987: 28; Cooper et al. 1991: 28 (ID); Diaz & Mellen 1996: 35.
<i>Thuja plicata</i> / <i>Linnaea borealis</i>	western red cedar / twinflower	THUPLI / LINBOR		CEGL000089	G2S1	EC	Williams 1978: 66.
<i>Thuja plicata</i> / <i>Lysichiton americanus</i>	western red cedar / skunk cabbage	THUPLI / LYSAME	wetland	CEGL000478	G4S1	CR, WC, WV	Franklin 1966 (WA); Glad et al. 1987: 261; Klinka et al. 1996: 153 (BC).
<i>Thuja plicata</i> / <i>Oplopanax horridus</i>	western red cedar / devils club	THUPLI / OPLHOR	wetland	CEGL000479	G3S1	CR, WC	Franklin 1966 (WA); Daubenmire & Daubenmire 1968: 35 (WA); Cooper et al. 1991: 27 (ID).
<i>Torreyochloa pallida</i> var. <i>pauciflora</i>	weak alkaligrass	TORPALP	wetland	new309	G3S2	BM, CR, EC	Crowe & Clausnitzer 1997: 212; Titus et al. 1998.
<i>Triglochin maritimum</i> - ( <i>Salicornia virginiana</i> )	arrow grass - (glasswort) salt marsh	TRIMAR - (SALVIR)	wetland	CWWA000159	G4S2	CR	Eilers 1975: 229; Eilers 1976: 27; Dethier 1990: 34, 35 (WA); Viereck et al. 1992: 199 (AK); Boggs 1998: 177 (AK).
<i>Triteleia hyacinthina</i> - <i>Deschampsia danthanooides</i> vernal pool	hyacinth brodiaea - annual hairgrass vernal pool	TRIHYA - DESDAN	wetland	new50	G2S2	KM	Titus & Christy 1996b; Huddleston 1999.
<i>Tsuga heterophylla</i> - ( <i>Thuja plicata</i> ) / <i>Oplopanax horridus</i> / <i>Polystichum munitum</i>	western hemlock / devil's club	TSUHET - (THUPLI) / OPLHOR / POLMUN	wetland	CEGL000497	GUSU	WC	Halverson et al. 1986: 69; Hemstrom et al. 1987: 182.
<i>Tsuga heterophylla</i> - <i>Lithocarpus densiflorus</i> / <i>Vaccinium ovatum</i> - <i>Rhododendron macrophyllum</i>	western hemlock / tan oak / evergreen huckleberry - western rhododendron	TSUHET - LITDEN / VACOVA - RHOMAC		CEGL000080	G3S3	CR, KM	Atzet & Wheeler 1984: 159 (in part), 160, 163 (in part); Atzet et al. 1996: TSHE 20.
<i>Tsuga heterophylla</i> / <i>Acer circinatum</i> - <i>Corylus cornuta</i>	western hemlock / vine maple - hazelnut	TSUHET / ACECIR - CORCOR		new	G3S2?	CR	McCain & Diaz 2001a: TSHE 9.
<i>Tsuga heterophylla</i> / <i>Acer circinatum</i> - <i>Gaultheria shallon</i>	western hemlock / vine maple - salal	TSUHET / ACECIR - GAUSHA		CEGL000091	G4S4	CR, WC	Hemstrom & Logan 1986: 103; McCain & Diaz 2001a: TSHE 14; McCain & Diaz 2001b: TSHE 10.
<i>Tsuga heterophylla</i> / <i>Acer circinatum</i> - <i>Mahonia nervosa</i> var. <i>nervosa</i> / <i>Polystichum munitum</i>	western hemlock / vine maple - dwarf Oregongrape / sword fern	TSUHET / ACECIR - MAHNER / POLMUN		new430	GUSU	WC	Halverson et al. 1986: 64; Topik et al. 1986: 84 (WA); Henderson et al. 1992: 34 (WA).
<i>Tsuga heterophylla</i> / <i>Acer circinatum</i> - <i>Rubus spectabilis</i>	western hemlock / vine maple - salmonberry	TSUHET / ACECIR - RUBSPE		CEGL000092	G4S4	CR	Hemstrom & Logan 1986: 99; McCain & Diaz 2001a: TSHE 110.
<i>Tsuga heterophylla</i> / <i>Acer circinatum</i> / <i>Achlys triphylla</i>	western hemlock / vine maple / vanillaleaf	TSUHET / ACECIR / ACHTRI		CEGL000090	G4S4	WC	Halverson et al. 1986: 56.
<i>Tsuga heterophylla</i> / <i>Acer circinatum</i> / <i>Lysichiton americanus</i>	western hemlock / vine maple / skunk cabbage	TSUHET / ACECIR / LYSAME	wetland	CEGL000093	G4S4	CR, EC, WC	Halverson et al. 1986: 68; Topik et al. 1986: 70 (WA); McCain & Diaz 2001b: TSHE 75.
<i>Tsuga heterophylla</i> / <i>Acer circinatum</i> / <i>Polystichum munitum</i>	western hemlock / vine maple / sword fern	TSUHET / ACECIR / POLMUN		new341	G3S3	CR, WC	Hawk 1973: 42; Dyrness et al. 1974: 33; Hemstrom & Logan 1986: 105; Atzet & McCrimmon 1990: 187; McCain & Diaz 2001a: TSHE 19; McCain & Diaz 2001b: TSHE 15.
<i>Tsuga heterophylla</i> / <i>Acer circinatum</i> / <i>Rubus nivalis</i>	western hemlock / vine maple / snow bramble	TSUHET / ACECIR / RUBNIV		CEGL000092	G4S4	WC	Atzet & McCrimmon 1990: 167.
<i>Tsuga heterophylla</i> / <i>Acer glabrum</i> / <i>Linnaea borealis</i>	western hemlock / Douglas maple / twinflower	TSUHET / ACEDOU / LINBOR		CTGBTH0AL1	G3S3	WC	Atzet & McCrimmon 1990: 150.

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<i>Tsuga heterophylla</i> / <i>Achlys triphylla</i>	western hemlock / vanillaleaf	TSUHET / ACHTRI		CEGL000094	G4S3	CR, WC	Halverson et al. 1986: 58; Topik et al. 1986: 90 (WA); Hemstrom et al. 1987: 242; McCain & Diaz 2001a: TSHE 24; McCain & Diaz 2001b: TSHE 20.
<i>Tsuga heterophylla</i> / <i>Chrysolepis chrysophylla</i> var. <i>chrysophylla</i>	western hemlock / golden chinquapin	TSUHET / CASCHR		CEGL000099	G3S3	CR, KM, WC	Dyrness et al. 1974: 19.
<i>Tsuga heterophylla</i> / <i>Gaultheria shallon</i>	western hemlock / salal	TSUHET / GAUSHA		CEGL000100	G5S4	CR, KM, WC	Quaye 1982: 64; Atzet & Wheeler 1984: 117; Hemstrom & Logan 1986: 93; Topik et al. 1986: 97 (WA); Hemstrom et al. 1987: 230; Atzet & McCrimmon 1990: 134, 142, 146, 179; Henderson et al. 1992: 40 (WA); Klinka et al. 1996: 151 (BC); McCain & Diaz 2001a: TSHE 58; McCain & Diaz 2001b: TSHE 65.
<i>Tsuga heterophylla</i> / <i>Gaultheria shallon</i> - <i>Rubus spectabilis</i>	western hemlock / salal - salmonberry	TSUHET / GAUSHA - RUBSPE		CEGL000102	G4S4	CR	Hemstrom & Logan 1986: 97; McCain & Diaz 2001a: TSHE 115.
<i>Tsuga heterophylla</i> / <i>Ledum glandulosum</i> / <i>Carex obnupta</i> - <i>Lysichiton americanus</i>	western hemlock / western Labrador tea / slough sedge - skunk cabbage swamp	TSUHET / LEDGLA / CAROBN - LYSAME	wetland	CEGL000477	G1S1	CR	Howarth 1995: 10; Christy 2001: 19.
<i>Tsuga heterophylla</i> / <i>Linnaea borealis</i>	western hemlock / twinflower	TSUHET / LINBOR		CEGL000104	G3S3	WC	Moir et al. 1973b: 9; Williams 1978: 69; Hemstrom et al. 1987: 238; McCain & Diaz 2001b: TSHE 70.
<i>Tsuga heterophylla</i> / <i>Mahonia nervosa</i> var. <i>nervosa</i>	western hemlock / dwarf Oregongrape	TSUHET / MAHNER		CEGL000092	G5S4	CR, WC, WV	Halverson et al. 1986: 60; Topik et al. 1986: 93 (WA); Hemstrom & Logan 1986: 77; Hemstrom et al. 1987: 186; Henderson et al. 1992: 36 (WA); Klinka et al. 1996: 151 (BC); McCain & Diaz 2001a: TSHE 29, 34, 53; McCain & Diaz 2001b: TSHE 30, 35, 60.
<i>Tsuga heterophylla</i> / <i>Mahonia nervosa</i> var. <i>nervosa</i> - <i>Gaultheria shallon</i>	western hemlock / dwarf Oregongrape - salal	TSUHET / MAHNER - GAUSHA		CEGL000096	G4S4	CR, WC, WV	Hawk 1973: 144; Halverson et al. 1986: 62; Hemstrom & Logan 1986: 79; Topik et al. 1986: 95 (WA); Hemstrom et al. 1987: 194; Henderson et al. 1992: 88 (WA); McCain & Diaz 2001a: TSHE 39, 44; McCain & Diaz 2001b: TSHE 40, 45.
<i>Tsuga heterophylla</i> / <i>Mahonia nervosa</i> var. <i>nervosa</i> / <i>Achlys triphylla</i>	western hemlock / dwarf Oregongrape / vanillaleaf	TSUHET / MAHNER / ACHTRI		CEGL000095	G3S3	WC	Hemstrom et al. 1987: 198; Atzet & McCrimmon 1990: 159; McCain & Diaz 2001b: TSHE 50.
<i>Tsuga heterophylla</i> / <i>Mahonia nervosa</i> var. <i>nervosa</i> / <i>Linnaea borealis</i>	western hemlock / dwarf Oregongrape / twinflower	TSUHET / MAHNER / LINBOR		CEGL000097	G3S3	WC	Dyrness et al. 1974: 31; Atzet & McCrimmon 1990: 154.
<i>Tsuga heterophylla</i> / <i>Mahonia nervosa</i> var. <i>nervosa</i> / <i>Oxalis oregana</i>	western hemlock / dwarf Oregongrape / Oregon oxalis	TSUHET / MAHNER / OXAORE		CEGL000098	G3S3	CR, WC	Hemstrom et al. 1987: 190; Atzet & McCrimmon 1990: 183; McCain & Diaz 2001a: TSHE 49; McCain & Diaz 2001b: TSHE 55.
<i>Tsuga heterophylla</i> / <i>Oplopanax horridus</i>	western hemlock - (red cedar) / devil's club / sword fern	TSUHET / OPLHOR	wetland	new334	G4S3	CR, WC	Franklin 1966 (WA); Franklin 1988: 54; Hemstrom & Logan 1986: 75; Halverson et al. 1986: 71; Topik et al. 1986: 74 (WA); Henderson et al. 1989: 314 (WA); Henderson et al. 1992: 50 (WA); McCain & Diaz 2001a: TSHE 63; McCain & Diaz 2001b: TSHE 79, 84.
<i>Tsuga heterophylla</i> / <i>Oxalis oregana</i>	western hemlock / wood sorrel	TSUHET / OXAORE		CEGL000105	G3G4 S3	CR, WC	Hemstrom & Logan 1986: 83; Hemstrom et al. 1987: 202; Atzet & McCrimmon 1990: 175; Diaz & Mellen 1996: 150; McCain & Diaz 2001a: TSHE 69, 74; McCain & Diaz 2001b: TSHE 89.
<i>Tsuga heterophylla</i> / <i>Oxalis oregana</i> - <i>Polystichum munitum</i>	western hemlock / wood sorrel - swordfern	TSUHET / OXAORE - POLMUN		CEGL000106	G3S3	WC	Dyrness et al. 1974: 36; Halverson et al. 1986: 75; Topik et al. 1986: 76 (WA).
<i>Tsuga heterophylla</i> / <i>Polystichum munitum</i>	western hemlock / swordfern	TSUHET / POLMUN		CEGL000108	G4S3	CR, WC, WV	Dyrness et al. 1974: 34; Halverson et al. 1986: 73; Hemstrom & Logan 1986: 101; Topik et al. 1986: 82 (WA); Hemstrom et al. 1987: 234; Atzet & McCrimmon 1990: 163; Bigley & Hull 1995: 16 (WA); McCain & Diaz 2001a: TSHE 79; McCain & Diaz 2001b: TSHE 94.
<i>Tsuga heterophylla</i> / <i>Quercus sadleriana</i>	western hemlock / Sadler oak	TSUHET / QUESAD		CEGL000110	G3S3	KM	Atzet & Wheeler 1984: 115.
<i>Tsuga heterophylla</i> / <i>Rhododendron macrophyllum</i>	western hemlock / western rhododendron	TSUHET / RHOMAC		CEGL000112	G4S4	CR, WC	Moir et al. 1973b: 9; Dyrness et al. 1974: 22, 24; Halverson et al. 1986: 77-83; Hemstrom et al. 1982: 49; Hemstrom & Logan 1986: 85, 89, 91; Hemstrom et al. 1987: 206-226; Atzet & McCrimmon 1990: 117, 122, 126; McCain & Diaz 2001a: TSHE 84, 89, 94, 99; McCain & Diaz 2001b: TSHE 99, 104, 109, 114, 119, 124.
<i>Tsuga heterophylla</i> / <i>Rhododendron macrophyllum</i> - <i>Vaccinium ovatum</i>	western hemlock / western rhododendron - evergreen huckleberry forest	TSUHET / RHOMAC - VACOVA		CEGL002603	G1S1	CR	Wiedemann 1984; Hemstrom & Logan 1986: 87; Christy et al. 1998: 52.
<i>Tsuga heterophylla</i> / <i>Rubus spectabilis</i>	western hemlock / salmonberry	TSUHET / RUBSPE		CEGL000114	G4S4	CR	Hemstrom & Logan 1986: 95; McCain & Diaz 2001a: TSHE 104.
<i>Tsuga heterophylla</i> / <i>Vaccinium alaskaense</i>	western hemlock / Alaska huckleberry	TSUHET / VACALA		CEGL000118	G4S4	CR, WC	Halverson et al. 1986: 91; Topik et al. 1986: 78 (WA); Henderson et al. 1989: 290 (WA); Henderson et al. 1992: 60 (WA); McCain & Diaz 2001a: TSHE 120; McCain & Diaz 2001b: TSHE 144.
<i>Tsuga heterophylla</i> / <i>Vaccinium alaskaense</i> - <i>Cornus canadensis</i>	western hemlock / Alaska huckleberry - bunchberry	TSUHET / VACALA - CORCAN		new	G3S3	WC	Halverson et al. 1986: 86; Topik et al. 1986: 86 (WA); Hemstrom et al. 1987: 178; McCain & Diaz 2001b: TSHE 139.

Scientific name	Common name	Acronym	Wetland	ELCODE	Rank	Ecoreg	References with plot data
<i>Tsuga heterophylla</i> / <i>Vaccinium alaskaense</i> - <i>Gaultheria shallon</i>	western hemlock / Alaska huckleberry - salal	TSUHET / VACALA - GAUSHA		new	G3S2	WC	Halverson et al. 1986: 88; Topik et al. 1986: 88 (WA); McCain & Diaz 2001b: TSHE 129.
<i>Tsuga heterophylla</i> / <i>Vaccinium alaskaense</i> - <i>Oplopanax horridus</i>	western hemlock / Alaska huckleberry - devil's club	TSUHET / VACALA - OPLHOR	wetland	new	G3S2	WC	Halverson et al. 1986: 90; McCain & Diaz 2001b: TSHE 134.
<i>Tsuga heterophylla</i> / <i>Vaccinium membranaceum</i> / <i>Linnaea borealis</i>	western hemlock / thin-leaved huckleberry / twinflower	TSUHET / VACMEM / LINBOR		CEGL000119	G3S3	WC	Atzet & McCrimmon 1990: 113.
<i>Tsuga heterophylla</i> / <i>Vaccinium membranaceum</i> / <i>Xerophyllum tenax</i>	western hemlock / thin-leaved huckleberry / beargrass	TSUHET / VACMEM / XERTEN		CEGL000120	G4S4	WC	Halverson et al. 1986: 93.
<i>Tsuga heterophylla</i> / <i>Vaccinium ovatum</i>	western hemlock / evergreen huckleberry	TSUHET / VACOVA		CEGL000121	G2G3 S3	CR	Hemstrom & Logan 1986: 81; McCain & Diaz 2001a: TSHE 124.
<i>Tsuga heterophylla</i> / <i>Xerophyllum tenax</i>	western hemlock / beargrass	TSUHET / XERTEN		provisional	G4S3	EC	Marsh et. al. 1987, p. 56.
<i>Tsuga mertensiana</i> - <i>Abies lasiocarpa</i> / <i>Aster ledifolius</i>	mountain hemlock - subalpine fir / Cascades aster	TSUMER - ABILAS / ASTLED		new423	GUSU	EC, WC	Diaz et al. 1997: 39.
<i>Tsuga mertensiana</i> - <i>Abies lasiocarpa</i> / <i>Festuca viridula</i>	mountain hemlock - subalpine fir / green fescue	TSUMER - ABILAS / FESVIR		new424	GUSU	EC, WC	Diaz et al. 1997: 43.
<i>Tsuga mertensiana</i> - <i>Abies lasiocarpa</i> / <i>Juniperus communis</i>	mountain hemlock - subalpine fir / mountain juniper	TSUMER - ABILAS / JUNCOM		new425	GUSU	EC, WC	Diaz et al. 1997: 47.
<i>Tsuga mertensiana</i> - <i>Abies lasiocarpa</i> / <i>Polygonum newberryi</i>	mountain hemlock - subalpine fir / Newberry knotweed	TSUMER - ABILAS / PLONEW		new426	GUSU	EC, WC	Diaz et al. 1997: 51.
<i>Tsuga mertensiana</i> - <i>Pinus albicaulis</i> / <i>Luzula hitchcockii</i>	mountain hemlock - whitebark pine / smooth woodrush	TSUMER - PINALB / LUZHIT		new427	GUSU	WC, EC	Diaz et al. 1997: 67.
<i>Tsuga mertensiana</i> / <i>Calamagrostis rubescens</i>	mountain hemlock / pinegrass	TSUMER / CALRUB		CEGL000122	G3S3	BM	unpublished
<i>Tsuga mertensiana</i> / <i>Chimaphila umbellata</i>	mountain hemlock / prince's-pine	TSUMER / CHIUMB		CEGL000502	G4S4	WC, KM, EC	Atzet & McCrimmon 1990: 43.
<i>Tsuga mertensiana</i> / <i>Luzula hitchcockii</i>	mountain hemlock / smooth woodrush	TSUMER / LUZHIT		CEGL000505	G4S4	WC, EC	Schuller 1978: 46; Hemstrom et al. 1987: 170; Cooper et al. 1991: 44 (ID); Diaz et al. 1997: 55.
<i>Tsuga mertensiana</i> / <i>Menziesii ferruginea</i>	mountain hemlock / fool's huckleberry	TSUMER / MENFER		new416	GUSU	WC, EC	Brockway et al. 1983: 69 (WA); Franklin et al. 1979 (WA); Hemstrom et al. 1982; Brockway et al. 1983 (WA); Cooper et al. 1991: 40 (ID); Diaz et al. 1997: 59.
<i>Tsuga mertensiana</i> / <i>Phyllodoce empetriformis</i> - <i>Vaccinium deliciosum</i>	mountain hemlock / red heather - delicious huckleberry	TSUMER / PHYEMP - VACDEL		new420	GUSU	WC, EC	Henderson et al. 1992: 156 (WA); Diaz et al. 1997: 63; Titus et al. 1998.
<i>Tsuga mertensiana</i> / <i>Quercus sadleriana</i> / <i>Orthilia secunda</i>	mountain hemlock / Sadler oak / wintergreen	TSUMER / QUESAD / ORTSEC		CEGL000123	G4S4	KM	Atzet & Wheeler 1984.
<i>Tsuga mertensiana</i> / <i>Rhododendron albiflorum</i>	mountain hemlock / Cascades azalea	TSUMER / RHOALB		CEGL000508	GUSU	EC, WC	Brockway et al. 1983: 70 (WA); Henderson et al. 1992: 158, 160 (WA); Diaz et al. 1997: 71.
<i>Tsuga mertensiana</i> / <i>Rhododendron macrophyllum</i>	mountain hemlock / western rhododendron	TSUMER / RHOMAC		CEGL000124	G4S4	WC	Hemstrom et al. 1987: 174; Atzet & McCrimmon 1990: 51; Diaz et al. 1997: 77.
<i>Tsuga mertensiana</i> / <i>Vaccinium membranaceum</i> / <i>Clintonia uniflora</i>	mountain hemlock / thin-leaved blueberry / queencup beadlily	TSUMER / VACMEM / CLIUNI		new414	G4S4	WC	Diaz et al. 1997: 81.
<i>Tsuga mertensiana</i> / <i>Vaccinium membranaceum</i> / <i>Xerophyllum tenax</i>	mountain hemlock / thin-leaved blueberry / beargrass	TSUMER / VACMEM / XERTEN		new415	G4S4	WC	Brockway et al. 1983: 68 (WA); Hemstrom et al. 1982: 63; Brockway et al. 1983 (WA); Hemstrom et al. 1987: 162; Henderson et al. 1992: 182 (WA); Diaz et al. 1997: 81.
<i>Tsuga mertensiana</i> / <i>Vaccinium scoparium</i>	mountain hemlock / grouseberry	TSUMER / VACSCO		CEGL000126	G4S4	BM, EC, WC	Volland 1976: 80; Schuller 1978: 46; Hopkins 1979b: 24; Hemstrom et al. 1982: 65; Hemstrom et al. 1987: 166; Atzet & McCrimmon 1990: 37; 40; Johnson & Clausnitzer 1992: 162; Diaz et al. 1997: 93.
<i>Typha angustifolia</i> - <i>Typha latifolia</i>	narrow leaved cattail - broad-leaved cattail marsh	TYPANG - TYPLAT	wetland	CWWA00161	G3S2	CR	Kunze 1994: 59, 97 (WA); Rodwell 1995: 185 (in part; UK).
<i>Typha latifolia</i>	broad-leaved cattail marsh	TYPLAT	wetland	CEGL002010	G5S5	BM, BR, CB, CR, EC, KM, WC, WV	Copeland 1979a: 12; Boss 1983: 51, 98; Sanville et al. 1986: 127; Padgett et al. 1989: 94 (ID, UT); Dethier 1990: 36 (WA); Kovalchik 1992: 189 (WA); Kunze 1994: 24, 97 (WA); Rodwell 1995: 179 (in part; UK); Crowe & Clausnitzer 1997: 202; Titus et al. 1998; Titus et al. 1999 (WA).
<i>Typha latifolia</i> - <i>Veronica scutellata</i>	broad-leaved cattail - marsh speedwell marsh	TYPLAT - VERSCU	wetland	new336	GUSU	WV	Lippert & Jameson 1964: 189.
<i>Utricularia macrorhiza</i>	common bladderwort bed	UTRMAC	wetland	new337	G5S3	CR, WC, WV	Titus & Christy 1996a; Boggs 1998: 181 (AK); Christy 2001: 38.
<i>Vaccinium alaskaense</i> - <i>Vaccinium ovalifolium</i>	Alaska huckleberry - ovalleaf huckleberry	VALALA - VALOVA	wetland	NEW351		WC	Daiz & Mellen 1996: 143.

Scientific name	Common name	Acronym	Wetland	ELCODE	Rank	Coreg	References with plot data
<i>Vaccinium caespitosum</i>	Dwarf blueberry brush prairie	VACCAE	wetland	new338	GUS1	WV	Christy unpublished data (Fern Ridge RNA, Fanno Meadows)
<i>Vaccinium deliciosum</i> parkland	delicious blueberry parkland	VACDEL PARKLAND		CEGL001427	G5SP	WC	unpublished
<i>Vaccinium uliginosum</i> / <i>Deschampsia cespitosa</i>	bog blueberry / tufted hairgrass shrub swamp	VACULI / DESCES	wetland	CEGL001250	G3S3	EC, WC	Hemstrom et al. 1987: 247; Titus & Christy 1996a.
<i>Vaccinium uliginosum</i> / <i>Carex aquatilis</i> var. <i>dives</i>	bog blueberry / Sitka sedge shrub swamp	VACULI / CARAQUD	wetland	CEGL001249	G4S4	EC, WC	Roach 1952: 184; Seyer 1979: 41, 42; Frenkel et al. 1986: 33; Wilson 1986: 21; Kovalchik 1987: 86, 88.
<i>Vaccinium uliginosum</i> / <i>Carex obnupta</i>	bog blueberry / slough sedge shrub swamp	VACULI / CAROBN	wetland	new 338a	G2S2	CR	Christy et al. 1998: 84; Christy 2001: 30.
<i>Vaccinium uliginosum</i> / <i>Deschampsia cespitosa</i> - <i>Carex obnupta</i>	bog blueberry / tufted hairgrass - slough sedge shrub swamp	VACULI / DESCES-CAROBN	wetland	new338b	G2S2	CR	Martin & Frenkel 1978: 18, 48; Christy et al. 1998: 86; Christy 2001: 31.
<i>Vaccinium uliginosum</i> / <i>Eleocharis quinqueflora</i>	bog blueberry / few-flowered spikerush shrub swamp	VACULI / ELEQUI	wetland	new339	G4S3	EC, WC	Kovalchik 1987: 88.
<i>Vaccinium uliginosum</i> / <i>Sphagnum subsecundum</i>	bog blueberry / sphagnum shrub swamp	VACULI / SPHSUB	wetland	new341	G1S1	WC	unpublished
<i>Veratrum californicum</i>	mesic herb rich montane meadow	VERCAL MESIC MEADOW	wetland	CEGL001946	G4S4	EC, BR, BM	Ganskopp 1979: 37; Padgett et al. 1989: 114 (ID, UT); Titus et al. 1998.
<i>Veronica americana</i>	American speedwell marsh	VERAME	wetland	CWWA000193	G3SU	BM, EC, WV	Crowe & Clausnitzer 1997: 213; Titus et al. 1998.
<i>Wolffia borealis</i> - <i>Wolffia columbiana</i>	northern water-meal - Columbia water-meal aquatic bed	WOLBOR - WOLCOL	wetland	CWWA000163	G4S3	KM, WV	Titus et al. 1996.
<i>Zostera marina</i>	eelgrass bed	ZOSMAR	wetland	CWWA000164	G5S4	CR	Eilers 1975: 220; Thomas 1980: 2; Dethier 1990 (WA); Viereck et al. 1992: 211.

## REFERENCES

- Alverson, E.R. 1987. Unpublished vegetation data, Monroe vernal pool. The Nature Conservancy, Oregon Field Office, Portland. 2 pp.
- Anderson, L.E. 1990. A checklist of *Sphagnum* in North America north of Mexico. *The Bryologist* 93: 500-501.
- Anderson, L.E., H.A. Crum & W.R. Buck. 1990. List of the mosses of North America north of Mexico. *The Bryologist* 93: 448-499.
- Anderson, M., P. Bourgeron, M.T. Bryer, R. Crawford, L. Engelking, D. Faber-Langendoen, M. Gallyoun, K. Goodin, D.H. Grossman, S. Landaal, K. Metzler, K.D. Patterson, M. Pyne, M. Reid, L. Sneddon & A.S. Weakley. 1998. International classification of ecological communities: terrestrial vegetation of the United States. Volume 2. The National Vegetation Classification System: list of types. The Nature Conservancy, Arlington, Virginia. 350 pp.
- Atzet, T. & L. A. McCrimmon. 1990. Preliminary plant associations of the southern Oregon Cascade Mountain Province. USDA Forest Service, Pacific Northwest Region, Siskiyou National Forest.
- Atzet, T. & D. L. Wheeler. 1984. Preliminary plant associations of the Siskiyou Mountain Province. USDA Forest Service, Pacific Northwest Region.
- Atzet, T., D. E. White, L. A. McCrimmon, P. A. Martinez, P. R. Fong, & V. D. Randall. 1996. Field guide to the forested plant associations of southwestern Oregon. USDA Forest Service, Pacific Northwest Region, Portland, OR. R6-NR-ECOL-TP-17-96.
- Baker, H.G. 1972. A fen on the northern California coast. *Madroño* 21: 405-416.
- Bayer, R.D. 1979. Intertidal zonation of *Zostera marina* in the Yaquina Estuary, Oregon. *Syesis* 12: 147-154.
- Becking, R.W., J.A. Lenihan & E. Muldavin. 1982. *Schoenolirion bracteosum*, ecological investigations. Final report. Oregon Natural Heritage Program, Portland. 17 pp.
- Beguin, C. & J. Major. 1975. Contribution a l'etude phytosociologique et ecologique des marais de la Sierra Nevada (Californie). *Phytocoenologia* 2: 349-367.
- Berry, D.W. 1963. An ecological study of a disjunct ponderosa pine forest in the northern Great Basin in Oregon. Ph.D. dissertation. Oregon State University, Corvallis. 291 pp.
- Bigley, R. & S. Hull. 1995. Draft guide to plant associations on the Olympic State Experimental Forest. Washington State Department of Natural Resources, Olympia. 50 pp.
- Björk, C.R. 1997. Vernal pools of the Columbia Plateau, eastern Washington. Report to The Nature Conservancy, Washington Field Office, Seattle. 29 pp. + appendices.
- Boggs, K. 1998. Classification of community types, successional sequences, and landscapes of the Copper River Delta, Alaska. Technical Report. USDA Forest Service, Pacific Northwest Research Station, Portland, Oregon. [In press].
- Borgias, D.B. 1993. Fire effects on the Rogue Valley mounded prairie on the Agate Desert, Jackson County, Oregon. Report for Katherine Ordway Stewardship Endowment research grant K89WR01. The Nature Conservancy, Oregon Field Office, Portland. 29 pp.
- Bork, J.L. 1978. A survey of the vascular plants and vertebrates of Upper Table Rock. M.S. thesis. Southern Oregon State College, Ashland. 91 pp.

- Boss, T.R. 1983. Vegetation ecology and net primary productivity of selected freshwater wetlands in Oregon. Ph.D. dissertation. Oregon State University, Corvallis. 236 pp.
- Brett, R.B., K. Klinka & H. Qian. 1998. Classification of high-elevation, non-forested plant communities in coastal British Columbia. Forest Science Department, University of British Columbia, Vancouver. *Scientia Silvic*. 58 pp.
- Briggs, G.M. & J.A. MacMahon. 1983. Alpine and subalpine wetland plant communities of the Uinta Mountains, Utah. *Great Basin Naturalist* 43: 523-530.
- Brock, R. 1987. The ecology of *Lomatium cookii*, an endangered species of the Rogue Valley, Oregon. The Nature Conservancy, Oregon Field Office, Portland. 19 pp.
- Brockway, D. G., C. Topik, M. A. Hemstrom and W. H. Emmingham. 1983. Plant association and management guide for the Pacific silver fir zone, Gifford Pinchot National Forest. USDA Forest Service, Pacific Northwest Region, R6-ECOL-130a-1983.
- Campbell, A.G. 1973. Vegetative ecology of Hunts Cove, Mt. Jefferson, Oregon. M.S. thesis. Oregon State University, Corvallis. 89 pp.
- Christy, J. A. 1979. Report on a preliminary survey of *Sphagnum*-containing wetlands on the Oregon Coast. Oregon Natural Area Preserves Advisory Committee. Oregon State Land Board, Salem. 92 pp.
- Christy, J. A. 1980. Rediscovery of *Sciaromium tricostatum* (Sull.) Mitt. (= *Limbella tricostata* (Sull.) Bartr.) in North America. *Bryologist* 83: 521-523.
- Christy, J. A. 1985. Identity and limits of *Limbella tricostata* (Musci: Amblystegiaceae). M.S. thesis. University British Columbia, Vancouver. 216 pp.
- Christy, J. A. & L. C. Cornelius. 1980. Katherine Ordway Sycan Marsh Preserve: preliminary classification of plant communities. The Nature Conservancy, Oregon Field Office, Portland.
- Christy, J. A. & J. A. Putera. 1993. Lower Columbia River natural area inventory, 1992. Report to the Nature Conservancy, Washington Field Office, Seattle, WA. Oregon Natural Heritage Program, Portland. 74 pp.
- Christy, J.A. & D.H. Wagner. 1996. Guide for the identification of rare, threatened or sensitive bryophytes in the range of the northern spotted owl, western Washington, western Oregon and northwestern California. USDI Bureau of Land Management, Oregon-Washington State Office, Portland. 222 pp.
- Christy, J. A. & J. H. Titus. 1998. Vegetation of Hidden Lake Fen, Blue River Ranger District, Willamette National Forest. Oregon Natural Heritage Program, Portland. 15 pp. + appendix.
- Christy, J.A., J.S. Kagan & A.M. Wiedemann. 1998. Plant associations of the Oregon Dunes National Recreation Area, Siuslaw National Forest, Oregon. USDA Forest Service, Pacific Northwest Region. R6-NR-ECOL-TP-09-98. 183 pp.
- Clausnitzer, R.R. 1993. The grand fir series of northeastern Oregon and southeastern Washington: successional stages and management guide. USDA Forest Service, Pacific Northwest Region. R6-ECO-TP-050-93. 193 pp. + appendices.
- Cole, D. N. 1977. Man's impact on wilderness: an example from Eagle Cap Wilderness, northeastern Oregon. Ph.d. dissertation. Oregon State University, Corvallis. 307 pp.

- Cole, D. N. 1982. Vegetation of two drainages in Eagle Cap Wilderness, Wallowa Mountains, Oregon. USDA Forest Service, Intermountain Forest and Range Experiment Station, Ogden, Utah. Research Paper INT-288. 42 pp.
- Connelly, K. P. 1989. Ecological effects of fire in bottomland Willamette Valley prairies with special emphasis on *Lomatium bradshawii* and *Erigeron decumbens*, two rare endemic plants. Oregon State University. Study plan and progress report to The Nature Conservancy, Oregon Field Office, Portland. 35 pp.
- Connelly, K. P. & Kauffman, J. B. 1991. Ecological effects of fire in bottomland Willamette Valley prairies with special emphasis on *Lomatium bradshawii* and *Erigeron decumbens*, two rare endemic plants. Oregon State University. Report to The Nature Conservancy, Oregon Field Office, Portland. 45 pp.
- Cooper, S.V., K.E. Neiman & D.W. Roberts. 1991. Forest habitat types of northern Idaho: a second approximation. USDA Forest Service, Intermountain Region. General Technical Report INT-236. 143 pp.
- Copeland, W. N. 1978. Botanical Survey of Eight Dollar Mountain. Oregon Natural Heritage Program, Portland. 19 pp. + maps and appendices.
- Copeland, W. N. 1979a. Preserve Analysis Ladd Marsh. Oregon Natural Area Preserves Advisory Committee, Salem. 73 pp.
- Copeland, W. N. 1979b. Harney Lake Research Natural Area. 21 pp. Supplement 9 to: J. F. Franklin, F. C. Hall, C. T. Dyrness, and C. Maser. 1972. Federal research natural areas in Oregon and Washington: a guidebook for scientists and educators. USDA Forest Service, Pacific Northwest Forest and Range Experiment Station, Portland, Oregon. 498 pp.
- Copeland, W. N. 1980. The Lawrence Memorial Grasslands, a biophysical inventory with management recommendations. The Nature Conservancy, Oregon Field Office, Portland. 160 pp. + appendices.
- Cordes, L.D. 1972. An ecological study of the Sitka spruce forest on the west coast of Vancouver Island. Ph.D. dissertation. University of British Columbia, Vancouver. 452 pp.
- Cornelius, L.C. 1981. 1981 element analysis, eastern slopes Oregon Cascades province: moist meadow-marsh elements, mid-elevation. The Nature Conservancy, Oregon Field Office, Portland. 22 pp.
- Cowardin, L.M., V. Carter, F.C. Golet & E.T. LaRoe. 1979. Classification of wetlands and deepwater habitats of the United States. USDI Fish & Wildl. Serv., Biol. Services Prog. FWS/OBS-79/31. 103 pp.
- Crowe, E. A. & R. R. Clausnitzer. 1997. Mid-montane wetland plant associations of the Malheur, Umatilla and Wallowa-Whitman National Forests. USDA Forest Service, Pacific Northwest Region. R6-NR-ECOL-TP-22-97. 299 pp.
- Darby, M.C. 1996. Wapato for the people: an ecological approach to understanding the Native American use of *Sagittaria latifolia* on the lower Columbia River. M.A. thesis. Portland State University, Portland, Oregon. 136 pp.
- Daubenmire, R. 1970. Steppe vegetation of Washington. Washington Agricultural Experiment Station, Pullman. Technical Bulletin 62. 131 pp.
- Daubenmire, R. & J.B. Daubenmire. 1968. Forest vegetation of eastern Washington and northern Idaho. Washington Agricultural Experiment Station Technical Bulletin 60: 1-104.
- Davidson, E. D. 1967. Synecological Features of a Natural Headland Prairie on the Oregon Coast. M.S. thesis. Oregon State University, Corvallis. 79 pp.
- Davy, J.B. 1902. Stock ranges of northwestern California: notes on the grasses and forage plants and range conditions. USDA Bureau of Plant Industry Bulletin 12: 1-81.



- Day, T.A. & R.G. Wright. 1985. The vegetation types of Craters of the Moon National Monument. University of Idaho College of Forestry, Wildlife and Range Sciences Bulletin 38. 6 pp.
- Dealy, J.E. 1971. Habitat characteristics of the Silver Lake mule deer range. USDA Forest Service Research Paper PNW-125. 99 pp.
- Dealy, J. E. 1975. Ecology of curleaf mountain-mahogany (*Cercocarps ledifolius* Nutt.) in eastern Oregon and adjacent areas. Ph.D. dissertation. Oregon State Univeristy, Corvallis. 162 pp.
- Dealy, J.E., D.A. Leckenby & D.M. Concannon. 1981. Wildlife habitats in managed rangelands -- the Great Basin of southeastern Oregon. Plant communities and their importance to wildlife. USDA Forest Service General Technical Report PNW-120. 66 pp.
- Del Moral, R. 1973. The vegetation of Findley Lake Basin. American Midland Naturalist 89: 26-40.
- Dean, M.L. 1960. A taxonomic and ecologic study of the vascular plants of a section of the Owyhee River canyon in Oregon. M.S. thesis. Oregon State University, Corvallis. \_\_\_ pp.
- Dethier, M.N. 1990. A marine and estuarine habitat classification system for Washington State. Washington Natural Heritage Program, Department of Natural Resources, Olympia. 56 pp.
- Diaz, N. M & T. K. Mellen. 1996. Riparian ecological types, Gifford Pinchot and Mt. Hood National Forests, Columbia River Gorge National Scenic Area. USDA Forest Service, Pacific Northwest Region. R6-NR-TP-10-96. 203 pp. + appendices.
- Diaz, N. M., C. T. High, T. K. Mellen, D. E. Smith, & C. Topik. 1997. Plant association and management guide for the mountain hemlock zone. Gifford Pinchot and Mt. Hood National Forests. USDA Forest Service, Pacific Northwest Region. R6-MTH-GP-TP-08-95. 111 pp.
- Doescher, P.S., R.F. Miller, S.R. Swanson & A.H. Winward. 1986. Identification of the *Artemisia tridentata* ssp. *wyomingensis* / *Festuca idahoensis* habitat type in Eastern Oregon. Northwest Science. 60: 55-60.
- Douglas, G. W. 1972. Subalpine plant communities of the western North Cascades, Washington. Arctic and Alpine Research 4: 147-166.
- Douglas, G.W. & L.C. Bliss. 1977. Alpine and high subalpine plant communities of the North Cascades Range, Washington and British Columbia. Ecological Monographs 47: 113-150.
- Driscoll, R. S. 1964. Vegetation-soil units in the central Oregon juniper zone. USDA Forest Service, Pacific Northwest Forest and Range Experiment Station, Portland, Oregon. Research Paper PNW-19. 60 pp.
- Driscoll, R.S., D.L. Merkel, D.L. Radloff, D.E. Snyder & J.S. Hagihara. 1984. An ecological land classification framework for the United States. USDA Forest Service Miscellaneous Publication 1439. Government Printing Office, Washington, D.C. 56 pp.
- Dyrness, C. T. 1960. Soil-vegetation relationships within the ponderosa pine type in the central Oregon pumice region. Ph.D. dissertation. Oregon State University, Corvallis. 217 pp.
- Dyrness, C. T. & C. T. Youngberg. 1966. Soil-vegetation relationships within the ponderosa pine type in the central Oregon pumice region. Ecology 47: 122-138.
- Dyrness, C. T., J. F. Franklin, & W. H. Moir. 1974. A preliminary classification of forest communities in the central portion of the western Cascades in Oregon. US International Biological Program, Ecosystem Analysis Studies. Coniferous Forest Biome Bulletin 4: 1-123.

- Easterday, J.C. & M.S. Mamone. 1980. Vegetation of Warner Valley. Pp. 3-66 in C. Gilman (project director). Analysis of the aquatic habitats of Warner Valley with relation to land use patterns. Final Report. NSF Grant SPI-78-03490. Dept. of Fisheries and Wildlife, Oregon State University, Corvallis 175 pp.
- Easterly, R. & D. Salstrom. 1998. Central Hanford 1997 plant community inventory. Report to The Nature Conservancy, Washington Field Office, Seattle. SEE Botanical Consulting, Tenino, Washington. 43 pp. + appendices.
- Eckert, R. E. 1957. Vegetation-soil relationships in some *Artemisia* types in northern Harney and Lake Counties, Oregon. Ph.D. dissertation. Oregon State College, Corvallis. 203 pp.
- Egler, F.E. 1934. Communities and successional trends in the vegetation of the Coos Bay sand dunes, Oregon. M.S. thesis. University of Minnesota, St. Paul. 39 pp.
- Eilers, H. P. 1975. Plants, plant communities, net production and tide levels: the ecological biogeography of the Nehalem salt marshes, Tillamook County, Oregon. Ph.D. dissertation. Oregon State University, Corvallis. 352 pp.
- Eilers, H. P. 1976. The ecological biogeography of of an Oregon coastal salt marsh. Association of Pacific Coast Geographers 38: 19-32.
- Eilers, H. P. 1984. Low elevation / high salinity intertidal marshes on sandy substrates, estuarine aquatic ecosystem cell #24. Report to Oregon Natural Heritage Program, Portland. 22 pp.
- Evans, S. 1989. Provisional riparian and aquatic wetland plant communities on the Columbia Plateau. Contract C0089098. Washington State Department of Ecology, Olympia. 52 pp.
- Evenden, A.G. 1989. Ecology and distribution of riparian vegetation in the Trout Creek Mountains of southeastern Oregon. Ph.D. dissertation. Oregon State University, Corvallis. 156 pp.
- Ferro, M., K. Hulbert, J. Merrill, J. Merzenich, J. Reed, K. Roberts & A. Taylor. 1976. Preliminary survey of plants and vertebrates of the Wenaha Drainage. NSF Student-originated study, Eastern Oregon State College. 37 pp. + bibliography and appendices.
- Fonda, R.W. 1974. Forest succession in relation to river terrace development in Olympic National Park, Washington. Ecology 55: 927-942.
- Franklin, J. F. 1966. Vegetation and soils in the subalpine forests of the southern Washington Cascade Range. Ph.D. Dissertation. Washington State University, Pullman. 132 pp.
- Franklin, J. F. & C. T. Dyrness. 1973. Natural vegetation of Oregon and Washington. USDA Forest Service Pacific Northwest Research Station, Portland, Oregon. General Technical Report PNW-8. 417 pp.
- Franklin, J. F., F. C. Hall, C. T. Dyrness & C. Maser. 1972. Federal research natural areas in Oregon and Washington: a guidebook for scientists and educators. USDA Forest Service, Pacific Northwest Forest and Range Experiment Station, Portland, Oregon. 498 pp.
- Franklin, J. F., W. H. Moir, M. A. Hemstrom & S. Greene. 1979. Forest ecosystems of Mount Rainer National Park. USDA Forest Service Pacific Northwest Forest and Range Experiment Station, Corvallis, Oregon. General Technical Report PNW-46. 221 pp.
- Frenkel, R. E. 1980. Natural area inventory and assessment: Blacklock Point, Oregon. Association of Pacific Coast Geographers Yearbook 42: 119-129.
- Frenkel, R.E. & T.R. Boss. 1988. Introduction, establishment and spread of *Spartina patens* on Cox Island, Siuslaw Estuary, Oregon. Wetlands 8: 33-49.

- Frenkel, R.E. & H.P. Eilers. 1976. Tidal datums and characteristics of the upper limits of coastal marshes in selected Oregon estuaries. Final report to Environmental Protection Agency. Dept. of Geography, Oregon State University, Corvallis. 93 pp.
- Frenkel, R.E. & E.F. Heinitz. 1987. Composition and structure of Oregon ash (*Fraxinus latifolia*) forest in William L. Finley National Wildlife Refuge, Oregon. Northwest Science 61: 203-212.
- Frenkel, R.E. & J.C. Morlan. 1990. Restoration of the Salmon River salt marshes: retrospect and prospect. Oregon State University. Report to U.S. Environmental Protection Agency, Corvallis, Oregon. 142 pp.
- Frenkel, R.E., T.R. Boss & S.R. Schuller. 1978. Transition zone vegetation between intertidal marsh and upland in Oregon and Washington. Grant R804963-01. U.S. Environmental Protection Agency, Corvallis, Oregon. 320 pp.
- Frenkel, R.E., H.P. Eilers & C.A. Jefferson. 1981. Oregon coastal salt marsh upper limits and tidal datums. Estuaries 4: 198-205.
- Frenkel, R.E., W.H. Moir & J.A. Christy. 1986. Vegetation of Torrey Lake Mire, central Cascade Range, Oregon. Madroño 33: 24-39.
- Gallagher, J.L. & H.V. Kibby. 1981. The streamside effect in a *Carex lyngbyei* estuarine marsh: the possible role of recoverable underground reserves. Estuarine Coastal Shelf Science 12: 451-460.
- Ganskopp, D. C. 1979. Plant communities and habitat types of the Meadow Creek Experimental Watershed. M.S. thesis. Oregon State University, Corvallis. 162 pp.
- Glad, J.B. & K.B. Kaster. 1978. Vegetation. Pp. 38-56. In: J.K. Dueker (project manager). Pre-construction ecological studies for the Pebble Springs Site. Beak Consultants. Report to Portland General Electric Company, Portland, Oregon. 86 pp. + appendices.
- Glad, J. B., R. Mishaga & R. R. Halse. 1987. Habitat characteristics of *Sidalcea nelsoniana* Piper (Malvaceae) at Walker Flat, Yamhill County, Oregon. Northwest Science 61: 257-263.
- Gonor, J.J., D.R. Strehlow & G.E. Johnson. 1979. Ecological assessments at the North Bend airport extension site. Oregon Department of Land Conservation and Development, Salem. 163 pp.
- Gorman, M.W. 1926. List of plants in the vicinity of Portland, Ore. Undated manuscript [Gorman died before its completion, 1926]. Special Collections, University of Oregon Library, Eugene. 160 pp.
- Griffiths, D. 1902. Forage conditions on the northern border of the Great Basin. USDA Bureau of Plant Industry Bulletin 15: 1-60.
- Grossman, D.H., D. Faber-Langendoen, A.W. Weakley, M. Anderson, P. Bourgeron, R. Crawford, K. Goodin, S. Landaal, K. Metzler, K.D. Patterson, M. Pyne, M. Reid & L. Sneddon. 1998. International classification of ecological communities: terrestrial vegetation of the United States. Volume 1. The National Vegetation Classification System: development, status, and applications. The Nature Conservancy, Arlington, Virginia. 120 pp.
- Hall, F. C. 1973. Plant communities of the Blue Mountains in eastern Oregon and southeastern Washington. USDA, Forest Service, Pacific Northwest Region. R6 Area Guide 3-1. 62 pp.
- Halpern, C.B. 1986. Montane meadow plant associations of Sequoia National Park, California. Madroño 33: 1-23.
- Halverson, N. M., C. Topik & R. van Vickle. 1986. Plant association and management guide for the western hemlock zone, Mt. Hood National Forest. USDA Forest Service, Pacific Northwest Region. R6-ECOL-232a-1986. 111 pp.

- Hansen, H.P. 1941a. Paleoecology of two peat deposits on the Oregon coast. Oregon State Monographs Studies in Botany 3: 1-31.
- Hansen, H.P. 1941b. Paleoecology of a peat deposit in west central Oregon. American Journal of Botany 28: 206-212.
- Hansen, H.P. 1942. Post-Mazama forest succession on the east slope of the central Cascades of Oregon. American Midland Naturalist 47: 523-534.
- Hansen, H.P. 1943. Paleoecology of two sand dune bogs on the southern Oregon coast. American Journal of Botany 30: 335-340.
- Hansen, H.P. 1944. Further pollen studies of a peat bog on the Pacific coast of Oregon and Washington. Bulletin of the Torrey Botanical Club 71: 627-636.
- Harris, S.W. 1954. An ecological study of the waterfowl of the Potholes area, Grant County, Washington. American Midland Naturalist 52: 403-432.
- Hawk, G. M. 1973. Forest vegetation and soils of terraces and floodplains along the McKenzie River, Oregon. M.S. Thesis. Oregon State University, Corvallis. 188 pp.
- Hawk, G. M. 1977. A comparative study of temperate *Chamaecyparis* forests. Ph.D. dissertation. Oregon State University, Corvallis. 194 pp.
- Head, G.C. 1959. Plant taxonomy and ecology of the east Eagle Creek drainage of the Wallowa Mountains, northeastern Oregon. Ph.D. dissertation. Oregon State College, Corvallis. 249 pp.
- Hebda, R.J. & W.G. Biggs. 1981. The vegetation of Burns Bog, Fraser Delta, southwestern British Columbia. Syesis 14: 1-20.
- Heinitz, E.F. 1982. Vegetation ecology of *Fraxinus latifolia* communities in William L. Finley National Wildlife Refuge, Oregon. M.S. thesis. Oregon State University, Corvallis. 40 pp.
- Hemstrom, M. A. & S. E. Logan. 1986. Plant association and management guide, Siuslaw National Forest. USDA Forest Service, Pacific Northwest Region. R6-Ecol 220-1986a. 121 pp.
- Hemstrom, M. A., S. E. Logan, & W. Pavlat. 1987. Plant association and management guide, Willamette National Forest. USDA Forest Service, Pacific Northwest Region. R6-Ecol 257-B-86. 312 pp.
- Hemstrom, M. A., W. H. Emmingham, N. M. Halverson, S. E. Logan & C. Topik. 1982. Plant association and management guide for the Pacific silver fir zone. Mt. Hood and Willamette National Forests. USDA, Forest Service, Pacific Northwest Region. R6-Ecol 257-100-1982a. 104 pp.
- Henderson, J. A. 1970. Biomass and composition of the understory vegetation in some *Alnus rubra* stands in western Oregon. M.S. thesis. Oregon State University, Corvallis. 64 pp.
- Henderson, J. A. 1979. Plant succession on the *Alnus rubra* / *Rubus spectabilis* habitat type in western Oregon. Northwest Science 53: 200-211.
- Henderson, J. A., R. D. Leshner, D. H. Peter, & D. C. Shaw. 1989. Forested plant associations of the Olympic National Forest. USDA Forest Service, Pacific Northwest Region. R6-ECOL-TP-001-88.
- Henderson, J. A., R. D. Leshner, D. H. Peter, & D. C. Shaw. 1992. Field guide to the forested plant associations of the Mt. Baker-Snoqualmie National Forest. USDA Forest Service, Pacific Northwest Region. R6-ECOL-TP-001-91. 196 pp.
- Henderson, J.S. & M.L. McAllister. 1983. Downey Lake, 1983: an inventory of vegetation and wildlife. The Nature Conservancy, Oregon Field Office, Portland. 15 pp. + appendices.

- Hickman, J.C. 1976. Non-forest vegetation of the central western Cascade Mountains of Oregon. *Northwest Science* 50: 145-155.
- Hinschberger, M.S. 1978. Occurrence and relative abundance of small mammals associated with riparian and upland habitats along the Columbia River. M.S. thesis. Oregon State University, Corvallis. 78 pp.
- Hironaka, M., M. A. Fosberg, A. H. Winward. 1983. Sagebrush-grass habitat types of southern Idaho. University of Idaho. Forest, Wildlife and Range Experiment Station Bulletin 35: 1-44.
- Hirsch, L. & J. Riefler. 1981. A floristic study of eight vernal pools [Lower Table Rock Preserve, Jackson Co., Oregon]. The Nature Conservancy, Oregon Field Office, Portland. 25 pp. + appendices.
- Hopkins, W. E. 1979a. Plant associations of the Fremont National Forest. USDA, Forest Service, Pacific Northwest Region. R6 ECOL-79-004. 106 pp.
- Hopkins, W. E. 1979b. Plant associations of South Chiloquin and Klamath Ranger Districts, Winema National Forest. USDA, Forest Service, Pacific Northwest Region. R6 ECOL-79-005. 96 pp.
- Howarth, J. 1995. Gearhart Bog Preserve: plant community mapping and background information. The Nature Conservancy, Oregon Field Office, Portland. 36 pp. + appendices.
- Huddleston, R. 1999. Unpublished vegetation data, Agate Desert Preserve. The Nature Conservancy, Oregon Field Office, Portland.
- Huschle, G. 1975. Analysis of the vegetation along the middle and lower Snake River. M.S. thesis. University of Idaho, Moscow. 271 pp.
- Jankovsky-Jones, M., S.K. Rust & R.K. Moseley. 1999. Riparian reference areas in Idaho: a catalog of plant associations and conservation sites. USDA Forest Service, Rocky Mountain Research Station. General Technical Report RMRS-GTR-20. 141 pp.
- Jefferson, C.A. 1975. Plant communities and succession in Oregon coastal salt marshes. Ph.D. dissertation. Oregon State University, Corvallis. 192 pp.
- Jenny, H., R. J. Arkley, A. M. Schultz. 1969. The pygmy forest-podsol ecosystem and its dune associates of the Mendocino Coast. *Madroño* 20: 60-74.
- Johnson, C. G. & R. R. Clausnitzer. 1992. Plant associations of the Blue and Ochoco Mountains. USDA, Forest Service, Pacific Northwest Region. R6-ERW-TP-036-92.
- Johnson, C. G. & S. A. Simon. 1987. Plant associations of the Wallowa-Snake Province, Wallowa-Whitman National Forest. USDA, Forest Service, Pacific Northwest Region. R6-ECOL-TP-255A-86. 400 pp. + appendices.
- Johnson, J.M. 1961. Taxonomy and ecology of the vascular flora of Black Butte, Oregon. M.S. thesis. Oregon State University, Corvallis. 193 pp.
- Kagan, J. 1983. Willamette Valley wetlands and wet prairies. *Bulletin of the Native Plant Society of Oregon* 16: 12.
- Kagan, J. 1986. A new species of *Lomatium* (Apiaceae) from southwestern Oregon. *Madroño* 33: 71-75.
- Kartesz, J. T. A synonymized checklist of the vascular flora of the United States, Canada, and Greenland. 2 vols. Timber Press, Portland, Oregon. 816 pp.
- Kauffman, J. B. 1982. Synecological effects of cattle grazing on riparian ecosystems. M.S. Thesis. Oregon State University, Corvallis. 283 pp.

- Kauffman, J. B. & K. P. Connelly. 1988. Ecological effects of fire in Willamette Valley prairies: effects of rare and endangered plants and ecosystems. Oregon State University. Progress Report 1 to The Nature Conservancy, Oregon Field Office, Portland. 4 pp.
- Kauffman, J. B., W. C. Krueger, & M. Vavra. 1985. Ecology and plant communities of the riparian area associated with Catherine Creek in northeastern Oregon. Oregon State University Agricultural Experiment Station Technical Bulletin 147: 1-35.
- Kentula, M.E. & C.D. McIntire. 1986. The autecology and production dynamics of eelgrass (*Zostera marina* L.) in Netarts Bay, Oregon. Estuaries 9: 188-199.
- Kienholz, R. 1931. The vegetation of a lava-formed lake in the Cascade Mountains. American Journal of Botany 18: 641-648.
- Kierstead, J. & T. Pogson. 1976. A summer flora of the Alvord Basin. Appendix 1. Pp. 1-1 to 1-54 in: K. Roberts (ed.). A preliminary ecological survey of the Alvord Basin. Final Technical Report. NSF-SOS (76-08175). Eastern Oregon State College. 15 pp. + 6 appendices.
- Klinka, K., H. Qian, J. Pojar & D.V. Meidinger. 1996. Classification of natural forest communities of coastal British Columbia. Vegetatio 125: 149-168.
- Kovalchik, B. L. 1987. Riparian zone associations of the Deschutes, Ochoco, Fremont, and Winema National Forests. USDA Forest Service, Pacific Northwest Region. R6 ECOL TP-279-87. 171 pp.
- Kovalchik, B. L. 1992. Riparian plant associations of the national forests of eastern Washington. Partial draft, version 1. USDA Forest Service, Colville National Forest, Colville, Washington. 87. 203 pp.
- Kranz, R.D. 1982. Status report for a stewardship research grant [Lower Table Rock Preserve]. The Nature Conservancy, Oregon Field Office, Portland. 3 pp.
- Kranz, R.D. & J.E. Richter. 1980. A stewardship master plan of Lower Table Rock Preserve. The Nature Conservancy, Oregon Field Office, Portland. 138 pp.
- Kumler, M.L. 1969. Plant succession on the sand dunes of the Oregon coast. Ecology 50: 695-704.
- Kunze, L.M. 1994. Preliminary classification of native, low elevation, freshwater wetland vegetation in western Washington. Natural Heritage Program, Department of Natural Resources, Olympia. 120 pp.
- Kuramoto, R.T. & L.C. Bliss. 1970. Ecology of subalpine meadows in the Olympic Mountains, Washington. Ecological Monographs 40: 317-347.
- Larkin, G.J. 1990. Plant community survey at the Middle Fork of the John Day River Preserve. The Nature Conservancy, Oregon Field Office, Portland. 14 pp.
- Lillybridge, T. R., B. L. Kovalchik, C. K. Williams & B. G. Smith. 1995. Field guide for forested plant associations of the Wenatchee National Forest. USDA Forest Service General Technical Report PNW-GTR-359.
- Liverman, M.C. 1982. Multivariate analysis of a tidal marsh ecosystem at Netarts Spit, Tillamook County, Oregon. M.S. thesis. Oregon State University, Corvallis. 88 pp.
- Lippert, B. E. & D. L. Jameson. 1964. Plant succession in temporary ponds of the Willamette Valley, Oregon. American Midland Naturalist 71: 181-197.
- Lippert, J. & C. McCain. 1997. Unpublished vegetation data, Torrey Lake RNA. USDA Forest Service, Eugene, Oregon.

- Macdonald, C. 1993. Fire effects on a *Stipa lemmonii* - *Racomitrium canescens* grassland community. The Nature Conservancy, Oregon Field Office, Portland. Final Report to Katherine Ordway Stewardship Endowment Grant, grants K88WRO1 and K89WRO2. 25 pp.
- Macdonald, K.B. 1977. Plant and animal communities of Pacific North American salt marshes. Pp. 167-191 *in*: V.J. Chapman (ed.). Ecosystems of the world. 1. Wet coastal ecosystems. Elsevier Scientific Publications, Amsterdam, The Netherlands. 428 pp.
- Magee, T.K. 1985. Wren Prairie Preserve: baseline vegetation description and establishment of a monitoring system to evaluate vegetation change in response to fire. Oregon State University. Report to The Nature Conservancy, Oregon Field Office, Portland. 16 pp. + appendices and maps.
- Magee, T. K. & R. J. Meinke. 1984. Rowena Plateau Nature Preserve ecological and floristic inventory: vascular plant resources. Final Report. The Nature Conservancy, Oregon Field Office, Portland. 74 pp.
- Mahony, T.M. & J.D. Stuart. 2000. Old-growth forest associations in the northern range of coastal redwood. *Madroño* 47:53-60.
- Mairs, J.W. 1977. Plant communities of the Steens Mountain subalpine grassland and their relationship to certain environmental elements. Ph.D. dissertation. Oregon State University, Corvallis. 195 pp.
- Markle, D.F., T.N. Pearsons & D.T. Bills. 1991. Natural history of *Oregonichthys* (Pisces: Cyprinidae), with a description of a new species from the Umpqua River of Oregon. *Copeia* 1991: 277-293.
- Marshall, J. 1985. Value assessment of Jackson-Frazier wetland, Benton County, Oregon: a case study. M.S. Thesis. Oregon State University, Corvallis. 147 pp.
- Martin, R. C. & R. E. Frenkel. 1978. Preserve Analysis: Blacklock Point. Oregon Natural Area Preserves Advisory Committee to the State Land Board, Salem. 63 pp.
- McNeil, R. C. 1975. Vegetation and fire history of a ponderosa pine-white fir forest in Crater Lake National Park. M.S. Thesis. Oregon State University, Corvallis. 127 pp.
- McNeil, R.C. & D.B. Zobel. 1980. Vegetation and fire history of a ponderosa pine-white fir forest in Crater Lake National Park. *Northwest Science* 54: 30-46.
- Meinke, R.J. & T.K. Magee. 1986. Ecological monitoring of vascular plant resources at the Governor Tom McCall Preserve at Rowena Plateau: initiation of long-term studies for management. The Nature Conservancy, Oregon Field Office, Portland. 38 pp.
- Miller, T. B. 1976. Ecology of riparian communities dominated by white alder in western Idaho. M.S. thesis. University of Idaho, Moscow. 154 pp.
- Mitchell, D.L. 1981. Salt marsh reestablishment following dike breaching in the Salmon River estuary, Oregon. Ph.D. dissertation. Oregon State University, Corvallis. 171 pp.
- Mitchell, R., & W. Moir. 1976. Vegetation of the Abbott Creek Research Natural Area. *Northwest Science* 50: 42-58.
- Moir, W. & P. Mika. 1972. Prairie vegetation of the Willamette Valley [Willamette Floodplain Research Natural Area], Benton, Co., Oregon. Research Work Unit 1251. USDA Forest Sciences Laboratory, Corvallis, Oregon. Unpublished report. 29 pp + appendices.
- Moir, W. H., J. F. Franklin & C. Maser. 1973a. Lost Forest Research Natural Area. Supplement 3 *to*: J. F. Franklin, F. C. Hall, C. T. Dyrness, & C. Maser. 1972. Federal research natural areas in Oregon and Washington: a guidebook for scientists and educators. USDA Forest Service, Pacific Northwest Forest and Range Experiment Station, Portland, Oregon. 498 pp.

- Moir, W. H., C. Maser, & J. F. Franklin. 1973b. Bagby Research Natural Area. Supplement 2 to: J. F. Franklin, F. C. Hall, C. T. Dyrness, and C. Maser. 1972. Federal research natural areas in Oregon and Washington: a guidebook for scientists and educators. USDA Forest Service, Pacific Northwest Forest and Range Experiment Station, Portland, Oregon. 498 pp.
- Moseley, R. K. 1998. Riparian and wetland community inventory of 14 reference areas in southwestern Idaho. Idaho Bureau of Land Management Technical Bulletin 98-5. 52 pp. + appendices.
- Myhre, J. & E.A. Clements. 1972. A study of the flora of the islands and the shoreline of the Snake River between Grandview, Idaho, and Guffey Butte, Owyhee county, Idaho. Biology Department, College of Idaho, Caldwell. 18 pp. + appendix.
- USDA, NRCS. 1997. The PLANTS database. (<http://plants.usda.gov>). USDA Natural Resources Conservation Service. National Plant Data Center, Baton Rouge, Louisiana.
- Orloci, L. 1961. Forest types of the coastal western hemlock zone. M.S. thesis. University of British Columbia, Vancouver. 206 pp.
- Padgett, W.G. 1981. Ecology of riparian plant communities in southern Malheur National Forest. M.S. thesis. Oregon State University, Corvallis. 143 pp.
- Padgett, W.G., A.P. Youngblood & A.H. Winward. 1989. Riparian community type classification of Utah and southeastern Idaho. USDA Forest Service, Intermountain Region. R4-ECOL-89-01. 191 pp.
- Pearsons, T.N. 1989. Ecology and decline of a rare western minnow: the Oregon chub (*Oregonichthys crameri*). M.S. thesis. Oregon State University, Corvallis. 89 pp.
- Peck, M.E. 1919. Study of a section of the Oregon coast flora. Proceedings of the Iowa Academy of Sciences 26: 337-362.
- Piper, C.V. & R.K. Beattie. 1915. Flora of the northwest coast. New Era Printing Company, Lancaster, Pennsylvania. 418 pp.
- Poulton, C.E. 1955. Ecology of the non-forested vegetation in Umatilla and Morrow Counties, Oregon. Ph.D. dissertation. Washington State University, Pullman. 166 pp.
- Price, J. & T. Seibert. 1981. A vegetational analysis of the Alvord Basin sand dunes. Pp. 14-27. In: Cobb, N., E. Gruber, E. Heske, A. Flecker, D. Lightfoot, A. Masters, N. McClintock, J. Price, T. Seibert & M. Smith. An ecological study of the Alvord Basin dunes, southeastern Oregon. Oregon State University. Final technical report to National Science Foundation. NSF grant SP-7905328. 142 pp.
- Quaye, E.C. 1982. The structure and dynamics of old-growth Sitka spruce (*Picea sitchensis*) forest of the Oregon Coast Range. Ph.D. dissertation. Oregon State University, Corvallis. 109 pp.
- Ratliff, R.D. 1982. A meadow site classification for the Sierra Nevada, California. USDA Forest Service General Technical Report PSW-60. 16 pp.
- Reid, E.H. & G.D. Pickford. 1946. Judging mountain meadow range condition in eastern Oregon and eastern Washington. USDA Circular 748. 31 pp.
- Rigg, G.B. 1933. Notes on a sphagnum bog at Fort Bragg, California. Science 77: 535-536.
- Riegel, G.M., B.G. Smith & J.F. Franklin. 1991. Foothill oak woodlands of the Interior Valleys of southwestern Oregon. Northwest Science 66: 66-76.
- Ripley, J. D. 1980. Description of the plant communities and succession of the Oregon Coast grasslands. Ph.D. dissertation. Oregon State University, Corvallis, OR. 234 pp.



- Roach, A. W. 1952. Phytosociology of the Nash Crater lava flows, Linn County, Oregon. *Ecological Monographs* 22: 169-193.
- Rodwell, J.S. (ed.). 1991. *British plant communities. Vol. 2. Mires and heaths.* Cambridge University Press, Cambridge. 628 pp.
- Rodwell, J.S. (ed.). 1995. *British plant communities. Vol. 4. Aquatic communities, swamps and tall-herb fens.* Cambridge University Press, Cambridge. 283 pp.
- Sanville, W.D., H.P. Eilers, T.R. Boss & T.G. Pfleeger. 1986. Environmental gradients in northwest freshwater wetlands. *Environmental Management* 10: 125-134.
- Saul, S. 1974. A report on the proposed Harney Lake Research Natural Area. Malheur National Wildlife Refuge, Burns, Oregon. 16 pp.
- Savonen, C. 1988. Historical wetlands of the west Eugene study area. Lane Council of Governments, Eugene, Oregon. 10 pp.
- Scheldt, R.S. 1969. Ecology and utilization of curl-leaf mountain mahogany in Idaho. M.S. thesis. University of Idaho, Moscow.
- Segura-Bustamante, M. 1970. Ecology of bitterbrush (*Purshia tridentata* (Pursh) DC) in the Silver Lake deer winter range, Oregon. Ph.D. dissertation. Oregon State University, Corvallis. 297 pp + figures.
- Seyer, S. C. 1979. Vegetative ecology of a montane mire, Crater Lake National Park, Oregon. M.S. thesis. Oregon State University, Corvallis. 187 pp.
- Seyer, S. C. 1981. Survey of vegetation of 18 lakes in Wallowa-Whitman National Forest, Oregon. USDA Forest Service, Forest Sciences Laboratory, Corvallis, Oregon. 47 pp.
- Seyer, S.C. 1982. Willamette Valley native xeric grassland search. Summary report to The Nature Conservancy, Oregon Field Office, Portland. 53 pp.
- Seyer, S. C. 1983. Ecological analysis, Multorpor Fen Preserve, Oregon. The Nature Conservancy, Oregon Field Office, Portland. 28 pp.
- Schuller, S.R. 1978. Vegetation ecology of selected mountain hemlock (*Tsuga mertensiana*) communities along the eastern high Cascades, Oregon. M.S. thesis. Oregon State University, Corvallis. 79 pp.
- Shephard, M.E. 1995. Plant community ecology and classification of the Yakutat Foreland, Alaska. USDA Forest Service, Alaska Region. R10-TP-56. 213 pp. + appendices.
- Smith, H.L. 1976. Wonderful wappato, the wild potato: an Oregon vignette. Smith, Smith & Smith Publishing Company, Lake Oswego, Oregon. 16 pp.
- Smith, S. & S. Smith. 1976. Vegetative types and landform classes. Pp. 40-268 *in*: J. Tabor (ed.). Inventory of riparian habitats and associated wildlife along the Columbia River. Final report to U.S. Army Corps of Engineers. Oregon State University Cooperative Wildlife Research Unit, Corvallis. 771 pp.
- Smith, W.P. 1985. Plant associations within the interior valleys of the Umpqua River Basin, Oregon. *Journal of Range Management* 38: 526-530.
- Steele, R., R.D. Pfister, R.A. Ryker & J.A. Kittams. 1981. Forest habitat types of central Idaho. USDA Forest Service, Intermountain Region. General Technical Report INT-114. 138 pp.
- Steele, R., S.V. Cooper, D.M. Ondov, D.W. Roberts & R.D. Pfister. 1983. Forest habitat types of eastern Idaho-western Wyoming. USDA Forest Service, Intermountain Region. General Technical Report INT-144. 122 pp.

- Stotler, R. & B. Crandall-Stotler. 1977. A checklist of the liverworts and hornworts of North America. *Bryologist* 80: 405-428.
- Stout, H. (ed.). 1976. The natural resources and human utilization of Netarts Bay, Oregon. NSF student-originated grant EPP75-08901. Oregon State University, Corvallis. 247 pp.
- Strickler, G.S. 1966. Soil and vegetation on the Starkey Experimental Forest and Range. *Proceedings of the Range Society, American Forester* 1965: 27-30.
- Stuth, J.W. 1975. Livestock, deer and logging interactions in the lodgepole pine-pumice region of central Oregon. Ph.D. dissertation. Oregon State University, Corvallis. 175 pp.
- Taylor, A. H. 1980. Plant communities and elevation in the diked portion of Joe Ney Slough: a baseline assessment of a marsh restoration project in Coos Bay, Oregon. M.S. thesis. Oregon State University, Corvallis. 105 pp.
- Taylor, A.H. & R.E. Frenkel. 1979. Ecological inventory of Joe Ney Slough marsh restoration site. Part 2. Tideland mitigation requirements in the Oregon estuarine resources planning goal: a study of the proposed North Bend, Oregon airport extension. Oregon Department of Land Conservation and Development. 123 pp.
- Thilenius, J. F. 1968. The *Quercus garryana* forests of the Willamette Valley, Oregon. *Ecology* 49: 1124-1133.
- Thomas, D. W. 1980. Study of the intertidal vegetation of the Columbia River estuary, July-September 1980. Columbia River Estuary Study Task Force, Astoria, Oregon. 22 pp.
- Thomas, D. W. 1984. The vascular flora of the Columbia River estuary. *Wasmann Journal of Biology* 42: 92-106.
- Thum, A.B. 1972. An ecological study of *Diatomovora amoena*, an interstitial acoel flatworm, in an estuarine mudflat on the central coast of Oregon. Ph.D. dissertation. Oregon State University, Corvallis. 185 pp.
- Tisdale, E. W. 1979. A preliminary classification of Snake River Canyon grasslands in Idaho. University of Idaho. Forest, Wildlife and Range Experiment Station Contribution 136: 1-8.
- Titus, J. H. 1995a. Unpublished vegetation data, Foster Flat Research Natural Area. Oregon Natural Heritage Program, The Nature Conservancy, Portland, Oregon.
- Titus, J. H. 1995b. Unpublished vegetation data, Vee Pasture Research Natural Area. Oregon Natural Heritage Program, The Nature Conservancy, Portland, Oregon.
- Titus, J. H. 1996. Unpublished vegetation data, Bruno Meadows, Hill Creek, and Tater Hill. Oregon Natural Heritage Program, The Nature Conservancy, Portland, Oregon.
- Titus, J. H. 1998a. Unpublished vegetation data, Bushnell-Irwin Research Natural Area. Oregon Natural Heritage Program, The Nature Conservancy, Portland, Oregon.
- Titus, J. H. 1998b. Unpublished vegetation data, Elkhorn Mountains. Oregon Natural Heritage Program, The Nature Conservancy, Portland, Oregon.
- Titus, J. H. & J.A. Christy. 1996a. Vegetation of Big Marsh, Deschutes National Forest, Oregon. Report to Deschutes National Forest. Oregon Natural Heritage Program, The Nature Conservancy, Portland, Oregon.
- Titus, J. H. & J.A. Christy. 1996b. Unpublished vegetation data, Table Rock Preserve. Oregon Natural Heritage Program, The Nature Conservancy, Portland, Oregon.

- Titus, J. H. & J.A. Christy. 1996c. Unpublished vegetation data, Popcorn Swale Preserve. Oregon Natural Heritage Program, The Nature Conservancy, Portland, Oregon.
- Titus, J. H. & J.A. Christy. 1996d. Unpublished vegetation data, Eight Dollar Mountain Preserve. Oregon Natural Heritage Program, The Nature Conservancy, Portland, Oregon.
- Titus, J. H. & J.A. Christy. 1996e. Unpublished vegetation data, French Flat. Oregon Natural Heritage Program, The Nature Conservancy, Portland, Oregon.
- Titus, J. H. & J.A. Christy. 1999. Vegetation of Big Marsh, Deschutes National Forest, Oregon. *Natural Areas Journal* (in press).
- Titus, J. H., J.A. Christy, D. VanderSchaaf, J. S. Kagan & E.R. Alverson. 1996. Native wetland, riparian, and upland plant communities and their biota in the Willamette Valley, Oregon. Report to Environmental Protection Agency, Region X, Seattle, Washington. Willamette Basin Geographic Initiative. Oregon Natural Heritage Program, Portland.
- Titus, J. H., M. Kerr, E Crowe & B. Kovalchik. 1998. Riparian zones of Eastern Oregon. Oregon Natural Heritage Program, Portland.
- Titus, J. H., P. J. Titus & R. del Moral. 1999. Wetland development in primary and secondary successional substrates; fourteen years after the eruption of Mount St. Helens, Washington, USA. *Northwest Science* (in press).
- Topik, C. 1989. Plant association and management guide for the grand fir zone, Gifford Pinchot National Forest. USDA Forest Service, Pacific Northwest Region, R6-ECOL-TP-006-88. 110 pp.
- Topik, C., N. M. Halverson & D. G. Brockway. 1986. Plant association and management guide for the western hemlock zone, Gifford Pinchot National Forest. USDA Forest Service, Pacific Northwest Region, R6-ECOL-230a-1986. 133 pp.
- Topik, C., N. M. Halverson & C. T. High. 1988. Plant association and management guide for the ponderosa pine, Douglas-fir and grand fir zones, Mt. Hood National Forest. USDA Forest Service, Pacific Northwest Region, R6-ECOL-TP-004-88. 136 pp.
- UNESCO. 1973. International classification and mapping of vegetation. Series 6. Ecology and Conservation. Paris. United Nations Educational, Scientific and Cultural Organization. 37 pp.
- Vechten, G.W. van. 1960. The ecology of the timberline and alpine vegetation of the Three Sisters, Oregon. Ph.D. dissertation. Oregon State University, Corvallis. 111 pp.
- Viereck, L.A., C.T. Dyrness, A.R. Batten & K.J. Wenzlick. 1992. The Alaska vegetation classification. USDA Forest Service, Pacific Northwest Research Station, Portland, Oregon. General Technical Report PNW-GTR-286. 278 pp.
- Volland, L. A. 1976. Plant communities of the central Oregon pumice zone. USDA Forest Service, Pacific Northwest Region. R6 Area Guide 4-2. 113 pp.
- Wade, L.K. 1965. Vegetation and history of the sphagnum bogs of the Tofino area, Vancouver Island. M.S. thesis. University of British Columbia, Vancouver. 125 pp.
- Wiedemann, A. M. 1966. Contributions to the plant ecology of the Oregon coastal sand dunes. Ph.D. dissertation. Oregon State University, Corvallis. 255 pp.
- Wiedemann, A. M. 1984. The ecology of Pacific Northwest coastal sand dunes: a community profile. USDI Fish and Wildlife Service, Washington, D.C. FWS/OBS-84/04. 130 pp.
- Williams, C.K. 1978. Vegetation classification for the Badger Allotment, Mt. Hood National Forest. Ph.D. dissertation. Oregon State University, Corvallis. 117 pp.

- Williams, C.K. & A.H. Winward. 1976. Plant community types of the Badger Allotment, Barlow Ranger District, Mt. Hood National Forest. USDA Forest Service & Oregon State University Rangeland Resources Program. 68 pp.
- Wilson, C.E. 1986. Floristic and edaphic aspects of vegetational patterns in subalpine mires of the Cascade Mountains of Oregon. M.S. thesis. University of Oregon, Eugene. 59 pp.
- Wilson, M.V., K.P. Connelly & L.E. Lantz. 1993. Plant species, habitat, and site information for Fern Ridge Reservoir. A component of the project to develop management guidelines for native wetland communities. Report to Army Corps of Engineers and Soil Conservation Service. Oregon State University. 64 pp. + figures.
- Winward, A.H. 1980. Taxonomy and ecology of sagebrush in Oregon. Oregon State University Agricultural Experiment Station Bulletin 642: 1-15.
- Winward, A.H. & B.Y. Youtie. 1976. Ecological inventory of the Lawrence Memorial Grassland Preserve. Oregon State University. Report to The Nature Conservancy, Oregon Field Office, Portland. 43 pp. + map.
- Zobel, D. B., A. McKee, G. M. Hawk & C. T. Dyrness. 1976. Relationships of environment to composition, structure and diversity of forest communities of the central western Cascades of Oregon. Ecological Monographs 46: 135-156.
- Zobel, D. B., L. R. Roth & G. M. Hawk. 1985. Ecology, pathology, and management of Port Orford cedar (*Chamaecyparis lawsoniana*). USDA Forest Service General Technical Report PNW-184. 161 pp.