

Table 1: The range and distribution of the vegetation zones in Oregon and southern Washington based on Franklin and Dyrness (1988). Representative major and minor taxa, mean annual temperature (MAT), and mean annual precipitation (MAP) are listed for each zone.

Vegetation Zone	Regional extent and elevation	Major Taxa	Minor Taxa	MAT (°C)	MAP (mm)
<i>Picea sitchensis</i>	Narrow band along Pacific Coast. 0-150 m.	<i>Picea sitchensis</i> , <i>Pseudotsuga menziesii</i> , <i>Tsuga heterophylla</i> , <i>Thuja plicata</i> , <i>Alnus rubra</i>	<i>Pinus contorta</i>	10-11	2000-3000
<i>Tsuga heterophylla</i>	Coast Range south to the Klamath Mountains and west slope of the Cascade Range. 0-1000 m.	<i>Tsuga heterophylla</i> , <i>Pseudotsuga menziesii</i> , <i>Thuja plicata</i>	<i>Taxus brevifolia</i> , <i>Pinus contorta</i> , <i>P. lambertiana</i> , <i>P. monticola</i> , <i>Calocedrus decurrens</i> , <i>Alnus rubra</i>	8-9	1500-3000
<i>Abies amabilis</i>	West slope of Cascade Range. 900-1500 m.	<i>Abies amabilis</i> , <i>A. procera</i> , <i>Pseudotsuga menziesii</i> , <i>Tsuga heterophylla</i>	<i>Abies grandis</i> , <i>A. lasiocarpa</i> , <i>Pinus contorta</i> , <i>P. monticola</i> , <i>Thuja plicata</i> , <i>Chamaecyparis nootkatensis</i>	5-6	2000-3000
<i>Tsuga mertensiana</i>	Crest of Cascade Range and Klamath Mountains. 1300-2000 m.	<i>Tsuga mertensiana</i> , <i>Abies amabilis</i> , <i>A. lasiocarpa</i>	<i>Abies procera</i> , <i>Picea engelmannii</i> , <i>Pinus albicaulis</i> , <i>P. contorta</i> , <i>P. monticola</i> , <i>Pseudotsuga menziesii</i> , <i>Tsuga heterophylla</i>	3-5	1600-2800
Interior Valley	Between the Coast Range and Cascade Range, includes the Willamette, Umpqua, and Rogue Valleys. 60-500 m.	<i>Quercus garryana</i> , <i>Q. kelloggii</i> , <i>Pseudotsuga menziesii</i> , <i>Pinus ponderosa</i> <i>In Rogue and Umpqua valleys: Pinus lambertiana</i> , <i>P. jeffreyi</i>	<i>Arbutus menziesii</i> , <i>Acer macrophyllum</i> , <i>Galium spp.</i> , <i>Rosa spp.</i> , <i>Agrostis idahoensis</i> , <i>Festuca rubra</i>	11-12	500-1000
Mixed-Evergreen	Mid-elevations of the Klamath Mountains. 600-1400 m.	<i>Pseudotsuga menziesii</i> , <i>Lithocarpus densiflorus</i> , <i>Pinus lambertiana</i> , <i>P. ponderosa</i> , <i>Libocedrus decurrens</i>	<i>Arbutus menziesii</i> , <i>Castanopsis chrysophylla</i> , <i>Quercus chrysolepis</i> , <i>Q. vaccinifolia</i> , <i>Pinus jeffreyi</i>	8-10	600-1700
Mixed-Conifer	West slope of southern Cascade Range. 750-1600 m.	<i>Pseudotsuga menziesii</i> , <i>Pinus lambertiana</i> , <i>P. ponderosa</i> , <i>Libocedrus decurrens</i> , <i>Abies concolor</i>	<i>Acer macrophyllum</i> , <i>Arbutus menziesii</i> , <i>Pinus monticola</i>	8-9	900-1300
<i>Abies magnifica</i>	Upper slopes of the southern Cascade Range and Klamath Mountains. 1600-2000 m.	<i>Abies magnifica</i> , <i>A. concolor</i> , <i>Pinus monticola</i> , <i>P. contorta</i> , <i>Tsuga mertensiana</i>	<i>Pseudotsuga menziesii</i> , <i>Pinus ponderosa</i> , <i>Libocedrus decurrens</i> , <i>Picea engelmannii</i> , <i>Abies amabilis</i> , <i>A. lasiocarpa</i>	4-5	1000-1500
Shrub-Steppe	East of the Cascade Range in the High Lava Plains, Basin and Range and Owyhee Uplands. 1200-2900 m.	<i>Artemisia tridentata</i> , <i>A. arbuscula</i> , <i>A. rigida</i> , <i>Purshia tridentata</i> , <i>Agropyron spicatum</i> , <i>Festuca idahoensis</i> , <i>Poa secunda</i>	<i>Atriplex confertifolia</i> , <i>A. nuttallii</i> , <i>Sarcobatus vermiculatus</i> , <i>Distichlis stricta</i>	6-9	200-500
<i>Juniperus occidentalis</i>	On lower slopes of the mountains in eastern Oregon south into California and Nevada. 760-1400 m	<i>Juniperus occidentalis</i> , <i>Artemisia tridentata</i> , <i>Purshia tridentata</i> , <i>Agropyron spicatum</i> , <i>Festuca idahoensis</i> , <i>Poa secunda</i>	<i>Pinus ponderosa</i> ,	8-9	200-300
<i>Pinus ponderosa</i>	East slope of the Cascade Range and throughout the Blue Mountains. 600-2000 m.	<i>Pinus ponderosa</i> , <i>P. contorta</i>	<i>Juniperus occidentalis</i> , <i>Pseudotsuga menziesii</i> , <i>Abies grandis</i> , <i>Populus tremuloides</i> , <i>Quercus garryana</i>	6-9	350-800
<i>Abies grandis</i>	East slope of Cascade Range and Blue Mountains. 1100-2000 m.	<i>Abies grandis</i> , <i>Pinus ponderosa</i> , <i>P. contorta</i> , <i>Larix occidentalis</i> , <i>Pseudotsuga menziesii</i>	<i>Picea engelmannii</i> , <i>Abies lasiocarpa</i> , <i>Libocedrus decurrens</i> , <i>Pinus lambertiana</i> , <i>P. monticola</i> , <i>Tsuga mertensiana</i>	6-9	660-1000
<i>Abies lasiocarpa</i>	Subalpine portions of Blue Mountains and Cascade Range. 1500-2000 m.	<i>Abies lasiocarpa</i> , <i>Picea engelmannii</i> , <i>Pinus contorta</i>	<i>Pseudotsuga menziesii</i> , <i>Larix occidentalis</i> , <i>Pinus albicaulis</i> , <i>P. monticola</i>	3-5	1000-1500

Minckley, T. and Whitlock, C. (2000) Spatial variation of modern pollen in Oregon and southern Washington, USA. *Review of Palaeobotany and Palynology* 112: 97-123.