

PORT-ORFORD-CEDAR/HUCKLEBERRY OAK/COMMON BEARGRASS

Chamaecyparis lawsoniana/Quercus vaccinifolia/Xerophyllum tenax

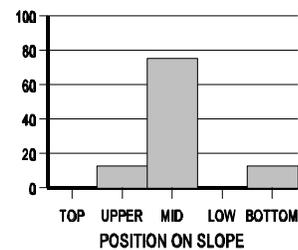
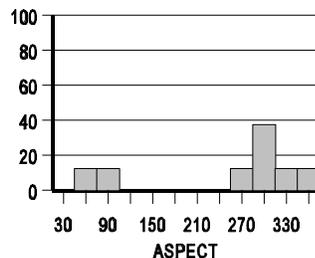
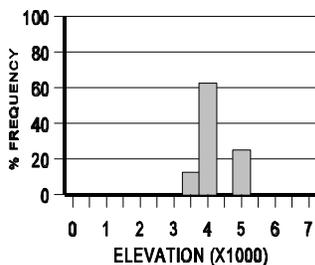
CHLA/QUVA/XETE (N=8; BLM=5, FS=3)



Distribution. This Association occurs along Chrome Ridge on the Galice Ranger District, near Black Butte on the Illinois Valley Ranger District, and near Snow Camp Meadow on the Gold Beach Ranger District, Siskiyou National Forest. It may also be found on other ultramafically influenced areas within southwest Oregon.

Distinguishing Characteristics. This Association is one of the highest in elevation. It is moist and cool with a mean annual temperature of 44 degrees F and mean annual precipitation of 90 inches. Huckleberry oak, common beargrass, and whitevein pyrola are consistently present.

Soils. Parent material is a mixture of intrusive volcanics and ultramafics. Average surface rock fragment cover is 32 percent, with 14 percent gravel and 4 percent bareground exposed. Soils are shallow to deep, with an average depth of greater than 28 inches. Soil texture is silt loam or sandy loam, with some silty clay. Average



rock fragment content is 58 percent, with 21 percent gravel and up to 46 percent cobbles and stones.

Environment. Elevation averages 4150 feet. This Association is found primarily in northwest aspects. Slopes average 43 percent and range from 15 to 65 percent. The dominant slope position is midslope, but this Association is also found in lower slope positions, as well as upper slopes with perched water tables.

Vegetation Composition and Structure. Total species richness, intermediate for the series, averages 28 species. The overstory is dominated by Douglas-fir and Port-Orford-cedar. The understory is dominated by Port-Orford-cedar. Douglas-fir, white fir, and western white pine are frequently present. Jeffery pine is less common. Huckleberry oak, red huckleberry, common beargrass, and whitevein pyrola are frequently present. Moss cover averages 5 percent.

On the Forest Service sites, upper layer tree cover is low, averaging 50 percent. Mid-layer tree cover is intermediate, averaging 50 percent while the lower layer tree cover averages 15 percent, also intermediate for the Series. High shrub cover is low, averaging 17 percent and low shrub cover is high, averaging 31 percent. Total herb cover is low, averaging 18 percent.

On the Bureau of Land Management sites, cover for trees greater than 10 feet tall (3 meters) averages 39 percent, while cover for trees less than 10 feet tall averages 10 percent. Cover for shrubs greater than 20 inches tall (50 centimeters) averages 58 percent, with cover for shrubs less than 20 inches tall averaging 49 percent. Herb cover averages 13 percent.

Common name	Code	Constancy	Cover	Avg. Richness
<u>Overstory trees</u>				3
Douglas-fir	PSME	88	27	
Port-Orford-cedar	CHLA	88	16	
<u>Understory trees</u>				6
Port-Orford-cedar	CHLA	100	8	
Douglas-fir	PSME	100	1	
White fir	ABCO	75	4	
Western white pine	PIMO3	63	3	
<u>Shrubs</u>				7
Huckleberry oak	QUVA	100	30	
Red huckleberry	VAPA	88	8	
Pinemat manzanita	ARNE	75	34	
Baldhip rose	ROGY	63	3	
Sadler oak	QUSA2	50	25	
Box-leaved silk-tassel	GABU2	50	10	
<u>Herbs</u>				12
Common beargrass	XETE	100	11	
Whitevein pyrola	PYPI2	100	1	
Western fescue	FEOC	75	2	
Rattlesnake-plantain	GOOB2	75	1	
Western starflower	TRLA6	63	1	
Whipplevine	WHMO	50	1	