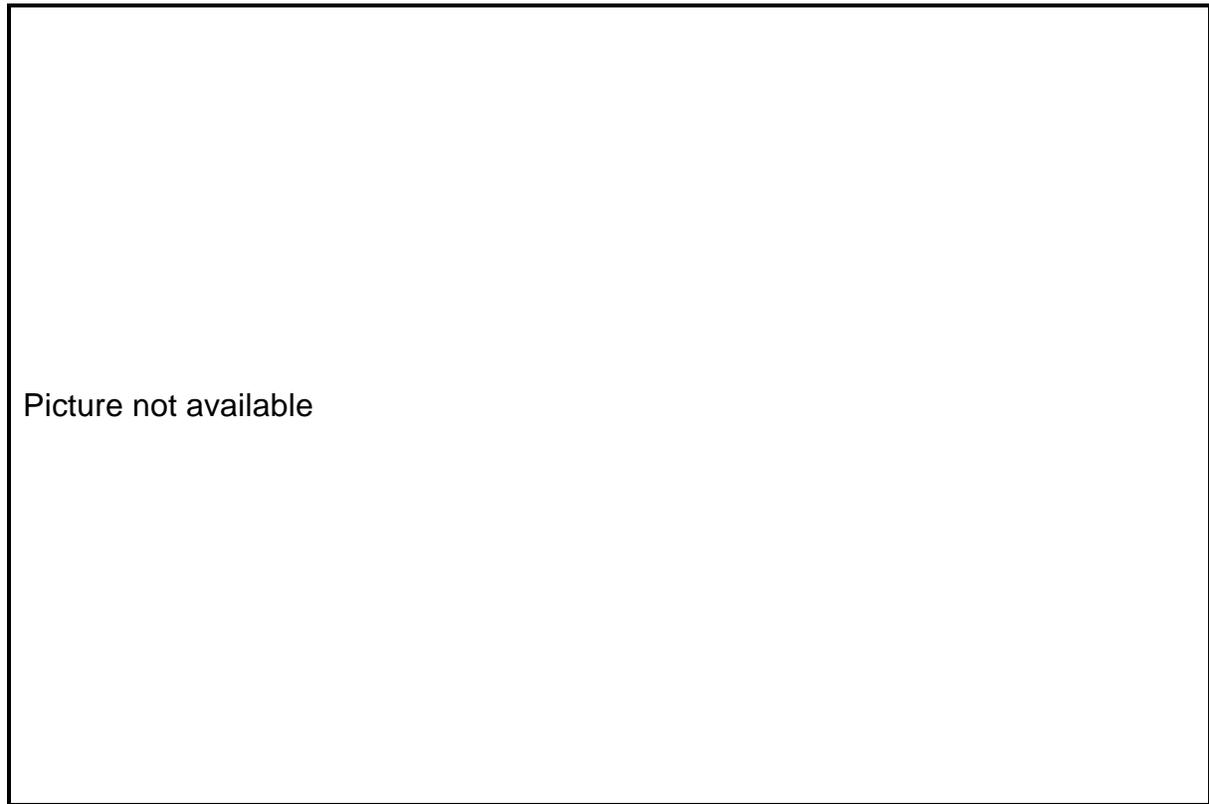


PORT-ORFORD-CEDAR-WESTERN HEMLOCK/WESTERN SWORD-FERN

Chamaecyparis lawsoniana-Tsuga heterophylla/Polystichum munitum

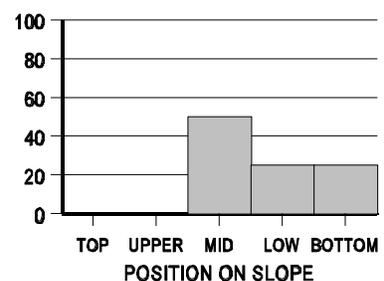
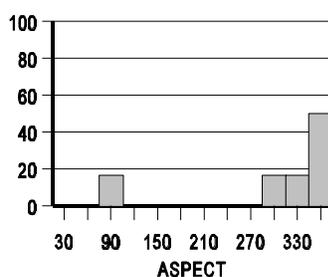
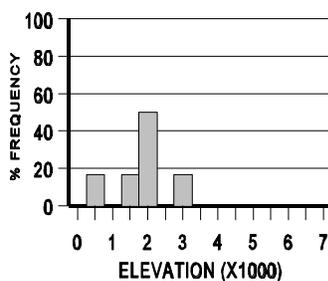
CHLA-TSHE/POMU (N=6; FS=6)



Distribution. This Association occurs on the Powers Ranger District, Siskiyou National Forest. It may also be found on the Myrtlewood Resource Area, Coos Bay District, Bureau of Land Management, and the Gold Beach Ranger District, Siskiyou National Forest.

Distinguishing Characteristics. This Association is warmer and wetter than most Port-Orford-cedar associations, averaging 50 degrees F and 95 inches of precipitation annually. It is the only association dominated by western sword-fern in the herb layer.

Soils. The dominant parent material is sandstone, and occasionally diorite. Average surface rock fragment cover is 19 percent, with 6 percent gravel. Soils are moderately deep to deep, averaging greater than 45 inches.



Environment. Elevation averages 1810 feet. This Association is generally found on northerly aspects with slopes averaging 43 percent, with a range of 10 to 80 percent. Slope position ranges from midslope to bottoms.

Vegetation Composition and Structure. Total species richness, high for the series, averages 30 species. The overstory is dominated by Douglas-fir and Port-Orford-cedar. Port-Orford-cedar, western hemlock, and Douglas-fir dominate the understory with an average cover of 33, 13, and 3 percent, respectively. Tanoak is frequently found, averaging 6 percent cover. Dwarf Oregongrape, salal, and red huckleberry are all present with moderate to low covers. Pacific rhododendron and evergreen huckleberry are frequently found as well. Western sword-fern and Oregon oxalis are present, usually dominating the herbaceous layer. Moss cover averages 28 percent.

Upper layer tree cover is high for the series, averaging 77 percent. Mid-layer tree cover is high, averaging 61 percent, while the lower layer tree cover is intermediate, averaging 43 percent. High shrub cover is low, averaging 13 percent and low shrub cover is intermediate, averaging 23 percent. Herb cover averages 66 percent.

Common name	Code	Constancy	Cover	Avg. Richness
<u>Overstory</u>				3
Douglas-fir	PSME	100	52	
Port-Orford-cedar	CHLA	100	16	
Western hemlock	TSHE	50	10	
<u>Understory</u>				6
Port-Orford-cedar	CHLA	100	33	
Western hemlock	TSHE	100	13	
Douglas-fir	PSME	100	3	
Tanoak	LIDE3	83	6	
<u>Shrubs</u>				7
Dwarf Oregongrape	BENE2	100	11	
Salal	GASH	100	7	
Red huckleberry	VAPA	100	2	
Pacific rhododendron	RHMA3	83	11	
Evergreen huckleberry	VAOV2	83	4	
Baldhip rose	ROGY	50	2	
Mountain balm	MOOD	50	1	
Vine maple	ACCI	50	9	
<u>Herbs</u>				14
Western sword-fern	POMU	100	52	
Oregon oxalis	OXOR	100	18	
Western starflower	TRLA6	83	1	
White trillium	TROV2	83	1	
Catchweed bedstraw	GAAP2	67	2	
Smith fairybell	DISM2	67	1	
Northern maidenhair	ADPE	67	1	
Rattlesnake-plantain	GOOB2	67	1	
Whitevein pyrola	PYPI2	50	1	