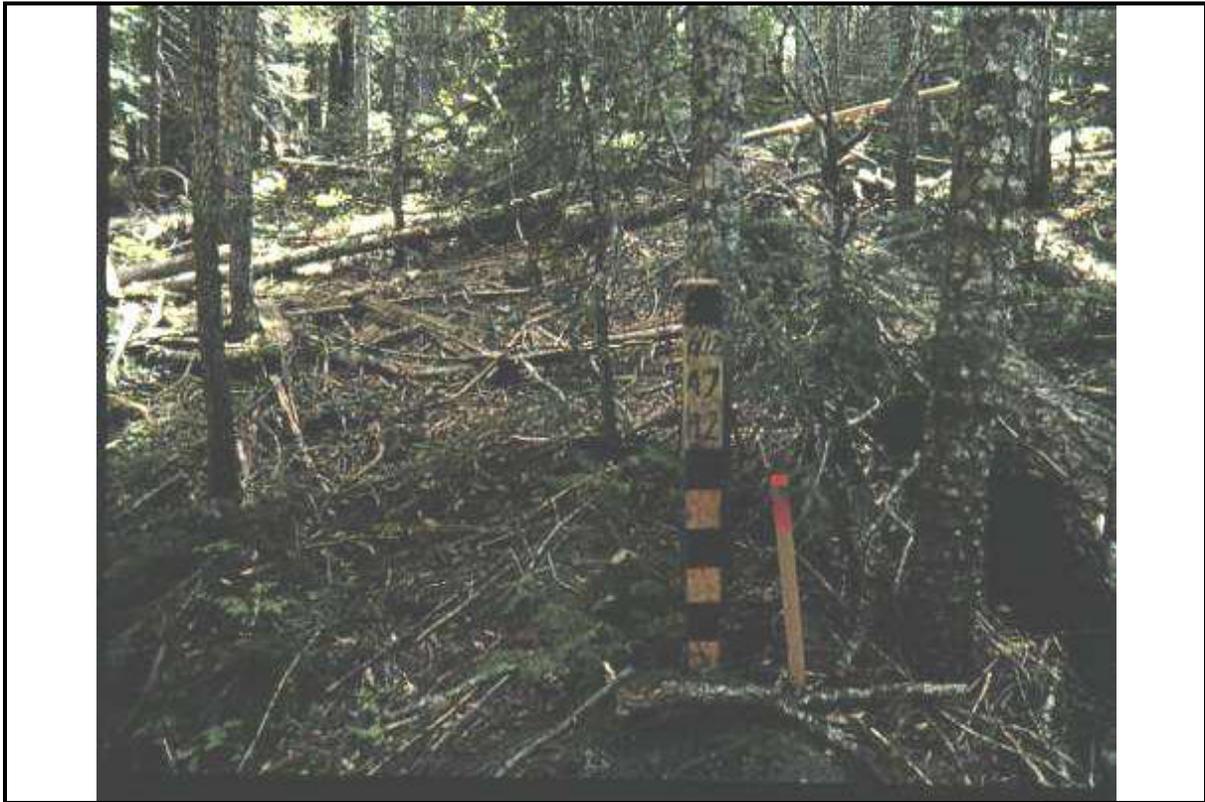


PORT-ORFORD-CEDAR-WHITE FIR/DWARF OREGONGRAPE

Chamaecyparis lawsoniana-*Abies concolor*/*Berberis nervosa*

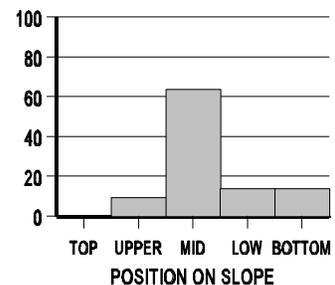
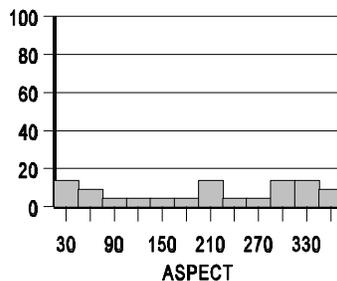
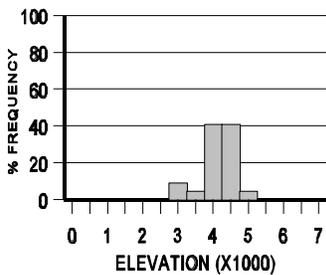
CHLA-ABCO/BENE2 (N=22; FS=13, BLM=9)



Distribution. This Association occurs in the eastern half, Illinois Valley Ranger District, Siskiyou National Forest, and the Grants Pass Resource Area, Medford District, Bureau of Land Management. It may also occur on the Applegate Ranger District, Rogue River National Forest, and the Happy Camp Ranger District, Klamath National Forest.

Distinguishing Characteristics. This high elevation Association is the coolest and driest of the Port-Orford-cedar associations, averaging 44 degrees F and 52 inches of precipitation annually. It is the only association in which white fir is codominant with Port-Orford-cedar in the understory.

Soils. Parent material is a mix of andesite and basalt, granitics and diorite. Soils can be shallow to deep, averaging 30 inches in depth. Soil textures are mainly silty



clay and sandy loam, with some silty clay loam. Average rock fragment content is 32 percent; gravel size particles average 32 percent.

Environment. Elevation averages 4165 feet. This Association is found on all aspects. Slopes average 34 percent, ranging from 8 to 68 percent. The slope position is mainly midslope, although it ranges from upper thirds to bottoms.

Vegetation Composition and Structure. Total richness, high for the series, averages 32 species. The overstory is dominated by Douglas-fir and Port-Orford-cedar. Port-Orford-cedar and white fir dominate the understory with an average cover of 30 and 10 percent, respectively. Dwarf Oregongrape averages four percent cover. Rattlesnake-plantain, western twinflower, and western starflower are frequently present in the species-rich herbaceous layer. Moss cover averages 11 percent.

On Forest Service sites upper layer tree cover is high, for the series, averaging 70 percent. Mid-layer tree cover is also high, averaging 51 percent, while lower layer tree cover is intermediate, averaging 32 percent. High shrub cover is low, averaging three percent, and low shrub cover is intermediate, averaging 11 percent. Herb cover averages 32 percent.

On Bureau of Land Management sites, tree cover exceeding 10 feet (3 meters) tall averages 80 percent, while cover for tree species less than 10 feet tall, averages 27 percent. Cover for shrubs greater than 20 inches (50 centimeters) tall averages 6 percent, and cover for shrubs less than 20 inches tall averages 20 percent. Herb cover averages 27 percent.

Common name	Code	Constancy	Cover	Avg. Richness
<u>Overstory</u>				3
Douglas-fir	PSME	100	37	
Port-Orford-cedar	CHLA	95	30	
White fir	ABCO	68	8	
<u>Understory</u>				5
Port-Orford-cedar	CHLA	100	30	
White fir	ABCO	100	10	
Pacific yew	TABR2	59	5	
Douglas-fir	PSME	55	7	
Golden chinquapin	CACH6	50	6	
<u>Shrubs</u>				6
Dwarf Oregongrape	BENE2	100	4	
Baldhip rose	ROGY	77	2	
Red huckleberry	VAPA	55	4	
Pacific blackberry	RUUR	50	2	
California hazel	COCOC	36	2	
Thin-leaved huckleberry	VAME	32	1	
<u>Herbs</u>				18
Rattlesnake-plantain	GOOB2	86	1	
Western twinflower	LIBOL	82	4	
Western starflower	TRLA6	82	1	
White trillium	TROV2	73	1	
Little prince's-pine	CHME	73	1	