

WHITE FIR/VINE MAPLE/OREGON OXALIS

*Abies concolor/Acer circinatum/Oxalis oregana*

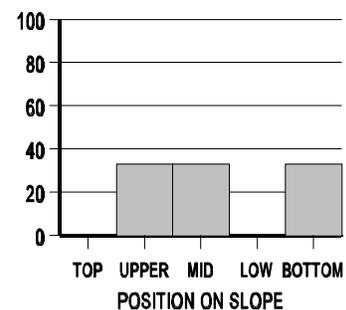
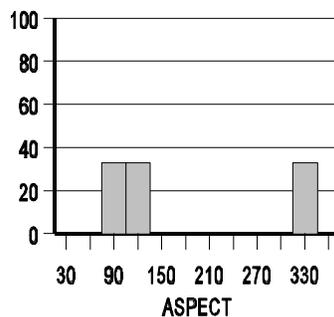
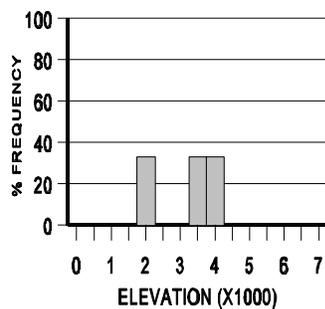
ABCO/ACCI/OXOR (N=3; FS=3)



Distribution. This Association occurs on the North Umpqua Ranger District, Umpqua National Forest and may occur on the Swiftwater Resource Area of the Roseburg District, Bureau of Land Management.

Distinguishing Characteristics. This Association occurs at intermediate elevations, on warm sites with moderate amounts of precipitation. Western hemlock regeneration is nearly equal to that of white fir. Western sword-fern may be abundant. This is a transition plant association between the White Fir and Western Hemlock Series.

Soils. Parent material can be rhyolite and basalt. Average surface rock cover is 3 percent, with 12 percent gravel. The average depth on three plots is greater than 43 inches.



Environment. This Association averages 3250 feet in elevation and occurs on aspects that are predominantly east and north. Slope averages 32 percent and ranges from 1 to 75 percent. This Association occurs on upper, middle third, and valley bottom slope positions.

Vegetation Composition and Structure. Total species richness is high for the Series, averaging 37. Douglas-fir and white fir are frequent in the overstory. Western hemlock is common. White fir, Pacific yew, and western hemlock are frequent in the understory. Big-leaf maple and Douglas-fir are common. Other hardwoods include vine maple, Pacific dogwood and red alder. In the shrub layer, dwarf Oregongrape, baldhip rose, vine maple, and Pacific blackberry are frequent. Snow bramble and red huckleberry are common. Trail-plant, Oregon fairybell, Oregon oxalis, and starry false Solomon's-seal are frequent herbs. Moss cover is high for the Series, averaging 18 percent.

Upper and mid layer tree covers are high to very high for the Series, averaging 73 and 63 percent, respectively. Lower layer tree cover averages 68 percent. Shrub cover is very low to low, with high shrub cover averaging only 2 percent and low shrub cover 23 percent. Herb/grass cover ranges between 90 and 95 percent, and averages 92 percent, the highest for the Series.

Common name	Code	Constancy	Cover	Avg. Richness
<u>Overstory trees</u>				3
Douglas-fir	PSME	100	52	
White fir	ABCO	100	12	
Western hemlock	TSHE	67	2	
<u>Understory trees</u>				7
White fir	ABCO	100	18	
Western hemlock	TSHE	100	13	
Pacific yew	TABR2	100	2	
Big-leaf maple	ACMA3	67	7	
Douglas-fir	PSME	67	4	
<u>Shrubs</u>				7
Vine maple	ACCI	100	65	
Dwarf Oregongrape	BENE2	100	13	
Baldhip rose	ROGY	100	2	
Pacific blackberry	RUUR	100	2	
Snow bramble	RUNI2	67	2	
Red huckleberry	VAPA	67	1	
<u>Herbs</u>				23
Oregon oxalis	OXOR	100	63	
Trail-plant	ADBI	100	3	
Starry false Solomon's-seal	SMST	100	3	
Oregon fairybell	DIHOO	100	2	
Western sword-fern	POMU	67	16	
Western twinflower	LIBOL	67	3	
Cutleaf goldthread	COLA3	67	2	
Coolwort foamflower	TITRU	67	2	
White trillium	TROV2	67	2	
Stream violet	VIGL	67	2	