

WHITE FIR/PACIFIC RHODODENDRON-SADLER OAK

Abies concolor/Rhododendron macrophyllum-Quercus sadleriana

ABCO/RHMA3-QUSA2 (N=13; BLM=13)

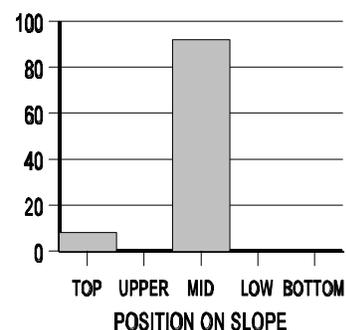
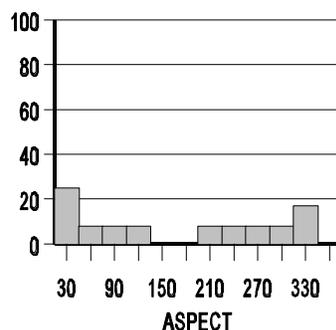
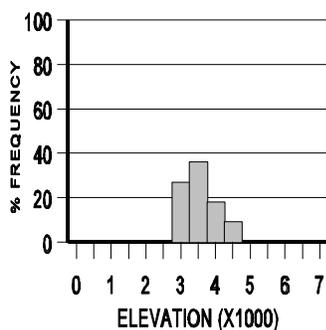


Distribution. This Association occurs on the Grants Pass Resource Area, Medford District, Bureau of Land Management. It may also occur on adjacent Bureau of Land Management lands.

Distinguishing Characteristics. This Association occurs on warm, moist sites with gentle slopes. It is similar to White Fir/Pacific Rhododendron-Dwarf Oregongrape, with the inclusion of Sadler oak.

Soils. This Association may occur on many types of parent material including mixed sediments and intrusives, intrusive volcanics, gabbro, granodiorite, and metasediments. Soils are generally moderately deep to deep. Textures are sandy loams. Total coarse fragments average 43 percent.

Environment. This Association averages 3790 feet in elevation and occurs on all



aspects. Slope averages 36 percent and ranges from 12 to 62 percent. This Association occurs predominantly on middle slope positions.

Vegetation Composition and Structure. Total species richness is very low for the Series, averaging 19. Douglas-fir and sugar pine are frequent in the overstory. White fir is frequent in the understory, and golden chinquapin, sugar pine, Douglas-fir, and western hemlock are common. Golden chinquapin may be dense in some areas. Other hardwoods may include vine maple, Pacific madrone, and canyon live oak. In the shrub layer, Sadler oak, dwarf Oregongrape, Pacific rhododendron, and red huckleberry are frequent. Salal may be dense in some areas. Common prince's-pine and western twinflower are frequent, while other herb/grass species are transient. Moss cover is lowest of the Series, averaging less than 1 percent.

Cover of trees exceeding 10 feet tall (3 meters) is very high, averaging 78 percent. Cover of trees less than 10 feet tall is low, averaging 20 percent. Cover for shrubs greater than 20 inches tall (50 centimeters) averages 60 percent, the highest for the Series, and cover of shrubs less than 20 inches tall averages 39 percent. Herb/ grass cover ranges from 1 to 30 percent, and averages 20 percent.

Common name	Code	Constancy	Cover	Avg. Richness
<u>Overstory trees</u>				3
Douglas-fir	PSME	100	50	
Sugar pine	PILA	83	12	
White fir	ABCO	42	29	
<u>Understory trees</u>				4
White fir	ABCO	100	12	
Golden chinquapin	CACH6	62	10	
Douglas-fir	PSME	62	2	
Sugar pine	PILA	62	1	
<u>Shrubs</u>				7
Sadler oak	QUSA2	100	29	
Dwarf Oregongrape	BENE2	100	6	
Pacific rhododendron	RHMA3	95	45	
Red huckleberry	VAPA	92	4	
Salal	GASH	50	54	
Slender salal	GAOV	50	8	
Oregon boxwood	PAMY	50	4	
Baldhip rose	ROGY	42	2	
<u>Herbs</u>				7
Common prince's-pine	CHUM	85	5	
Western twinflower	LIBOL	83	3	
Rattlesnake-plantain	GOOB2	67	1	
Common beargrass	XETE	58	5	
Little prince's-pine	CHME	50	1	
Whitevein pyrola	PYPI2	50	1	
Whipplevine	WHMO	42	2	
Western starflower	TRLA6	42	1	