

JEFFREY PINE-INCENSE-CEDAR-DOUGLAS-FIR

Pinus jeffreyi-Calocedrus decurrens-Pseudotsuga menziesii

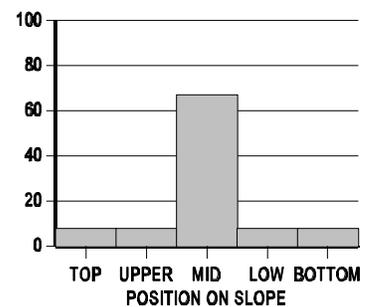
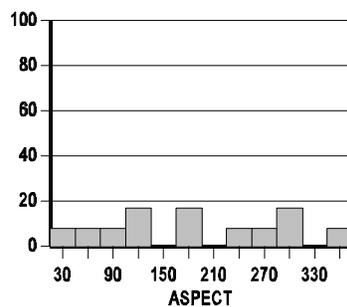
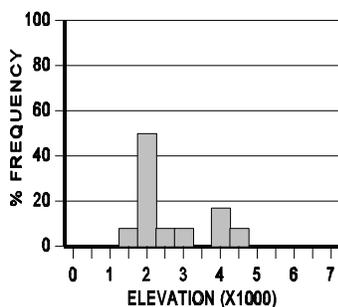
PIJE-CADE27-PSME (N=12; BLM=12)



Distribution. This Association occurs on the Grants Pass and Butte Falls Resource Areas, Medford District, Bureau of Land Management. It may also occur on the Galice and Illinois Valley Ranger Districts, Siskiyou National Forest.

Distinguishing Characteristics. This Association is highly variable in both vegetation and environment and is one of the warmer, drier Jeffrey pine associations. Based on the presence of Douglas-fir and non-serpentine species such as tanoak, hairy honeysuckle, and western starflower, this Association may represent a transition to the Douglas-fir Series.

Soils. Parent materials consist of serpentine, peridotite, and mixed ultramafics, with one occurrence of sandstone. Surface rock (defined as greater than 7 centimeters in size) cover averages 7 percent and exposed bedrock cover averages 3 percent.



Environment. Elevation averages 2700 feet. Aspects vary. Slope averages 36 percent with a range of 4 to 65 percent. All slope positions are represented, with mid-slope most predominant.

Vegetation Composition and Structure. Total species richness is very low for the Series, averaging 21 species. The overstory is dominated by Jeffrey pine, with Douglas-fir and incense-cedar common. The understory is dominated by Jeffrey pine, with incense-cedar and Douglas-fir occurring frequently. All have low covers. Pacific madrone and canyon live oak occur occasionally. The shrub and herb/grass layers may have a large variety of species, but rarely one individual species that occurs frequently. Coffeeberry, western twinflower, and golden iris occur most frequently. Moss cover averages 10 percent, the highest for the Series.

Tree cover exceeding 10 feet tall (3 meters) averages 50 percent while cover for tree species less than 10 feet tall averages 11 percent. Cover for shrubs greater than 20 inches tall (50 centimeters) averages 24 percent and cover for shrubs less than 20 inches tall averages 8 percent. Herb/grass cover averages 31 percent.

Common name	Code	Constancy	Cover	Avg. Richness
<u>Overstory trees</u>				2
Jeffrey pine	PIJE	83	21	
Douglas-fir	PSME	58	14	
Incense-cedar	CADE27	58	8	
Port-Orford-cedar	CHLA	8	10	
Pacific madrone	ARME	8	5	
<u>Understory trees</u>				5
Jeffrey pine	PIJE	92	16	
Incense-cedar	CADE27	92	11	
Douglas-fir	PSME	92	6	
Pacific madrone	ARME	50	6	
Canyon live oak	QUCH2	42	9	
California-laurel	UMCA	25	2	
<u>Shrubs</u>				3
Coffeeberry	RHCA	42	3	
Western azalea	RHOC	25	42	
Brewers oak	QUGAB	25	17	
Pinemat manzanita	ARNE	25	17	
<u>Herbs</u>				11
Western starflower	TRLA6	42	1	
Golden iris	IRIN	33	1	
Common beargrass	XETE	25	32	
Common yarrow	ACMI2	25	1	
Snow-queen	SYRE	25	1	
Field woodrush	LUCA2	25	1	
Common eriophyllum	ERLA6	25	1	
Idaho fescue	FEID	25	1	
Obscure bedstraw	GAAM2	25	1	
White-flowered hawkweed	HIAL2	25	1	
Rock fern	ASDE6	25	1	
Whipplevine	WHMO	17	36	