

JEFFREY PINE/IDAHO FESCUE

Pinus jeffreyi/Festuca idahoensis

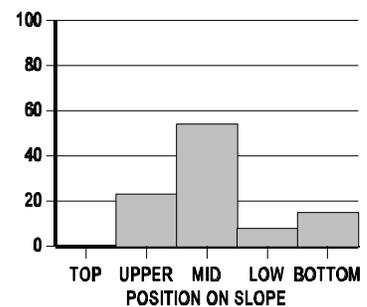
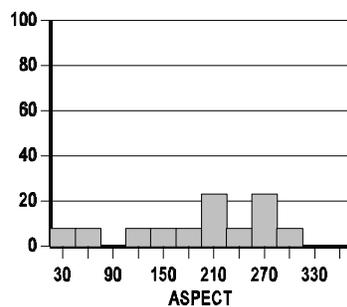
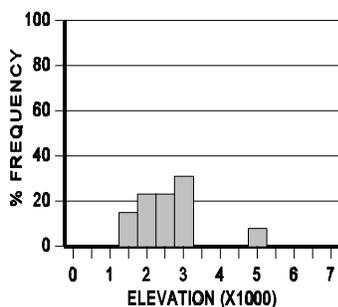
PIJE/FEID (N=13; BLM=13)



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

Distinguishing Characteristics. Jeffrey Pine/Idaho Fescue is one of the warmer, drier Jeffrey pine associations. Idaho fescue is frequently present with covers ranging from 10 to 90 percent and averaging 44 percent.

Soils. Parent materials consist of serpentine (the most predominant), peridotite, mixed ultramafics, and mixed ultramafics with metavolcanics. Surface rock (defined as greater than 7 centimeters in size) cover averages 9 percent while exposed bedrock cover averages 5 percent. Bare ground also averages 5 percent.



Based on two plots sampled, soils are moderately well drained. The surface texture is clay loam, with 0 to 15 percent gravel, 0 to 25 percent cobbles, and 25 to 29 percent clay. The subsurface texture is clay, with 10 percent gravel, 50 to 60 percent cobbles, and 40 to 50 percent clay. The soil moisture regime is probably xeric and the soil temperature regime is probably mesic. Soils classify to the following subgroups: Lithic Haploxeralf or Typic Palexeralf.

Environment. Elevation averages 2570 feet. Aspect is variable. The average slope is 31 percent with a range of 12 to 45 percent. All slope positions are represented, with mid-slopes being the most common.

Vegetation Composition and Structure. Total species richness is very low for the Series, averaging 18 species. The overstory is dominated by Jeffrey pine. The understory is dominated by Jeffrey pine with common occurrences of incense-cedar and Douglas-fir. Idaho fescue is frequently found, usually with high covers. Common eriophyllum and rock fern are common, while prairie junegrass, spreading phlox, common yarrow, and sulphurflower are occasional, all with low covers. Moss cover averages 5 percent.

Cover for trees greater than 10 feet tall (3 meters) averages 30 percent while cover for trees less than 10 feet tall averages 4 percent. Cover for shrubs greater than 20 inches tall (50 centimeters) averages 3 percent and cover for shrubs less than 20 inches tall averages 3 percent. Herb/grass cover averages 62 percent.

Common name	Code	Constancy	Cover	Avg. Richness
<u>Overstory trees</u>				1
Jeffrey pine	PIJE	92	20	
Douglas-fir	PSME	15	4	
Incense-cedar	CADE27	15	2	
<u>Understory trees</u>				3
Jeffrey pine	PIJE	77	8	
Incense-cedar	CADE27	69	18	
Douglas-fir	PSME	54	6	
Canyon live oak	QUCH2	23	2	
Pacific madrone	ARME	8	3	
<u>Shrubs</u>				1
Buckbrush	CECU	23	3	
Pale serviceberry	AMPA2	23	2	
<u>Herbs</u>				13
Idaho fescue	FEID	100	44	
Common eriophyllum	ERLA6	69	1	
Rock fern	ASDE6	54	1	
Prairie junegrass	KOCR	46	6	
Spreading phlox	PHDI3	31	1	
Common yarrow	ACMI2	31	1	
Sulphurflower	ERUM	31	1	
Blue wildrye	ELGL	23	7	
Big squirreltail	SIJU	23	3	
Buttercup	RAFLU	23	1	