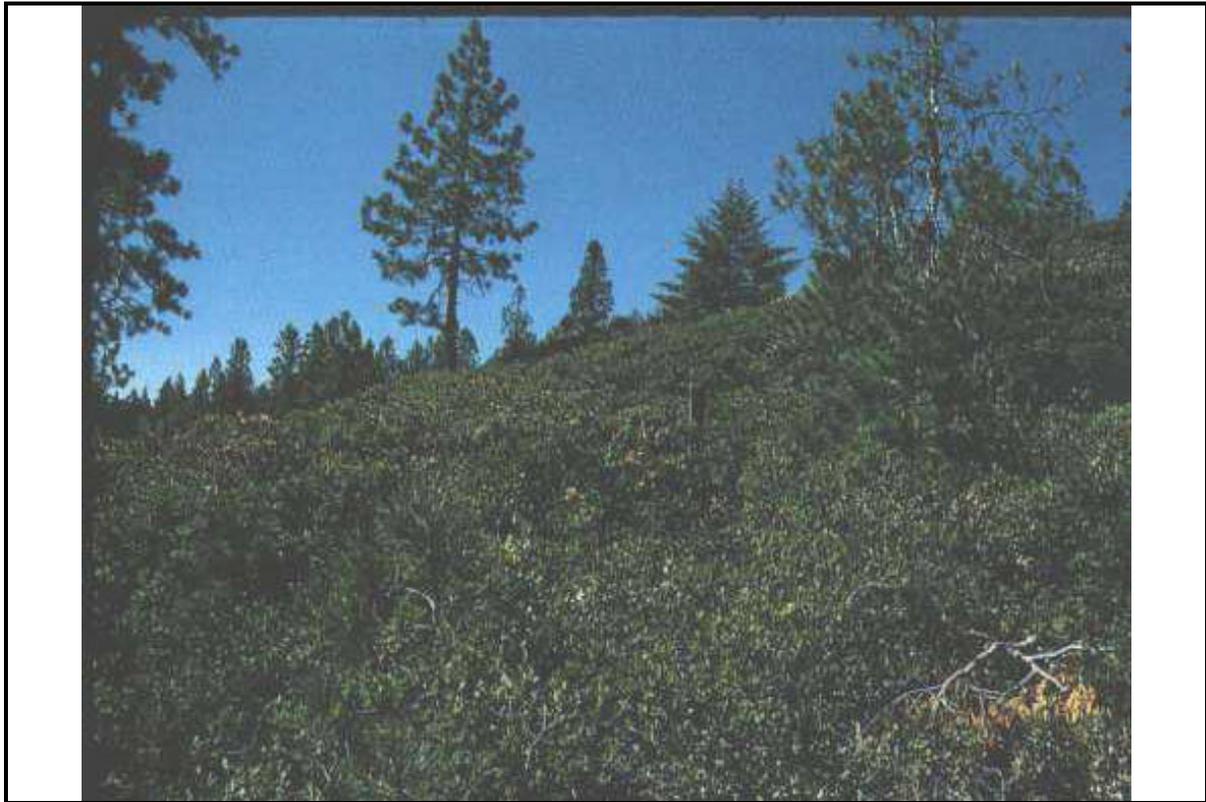


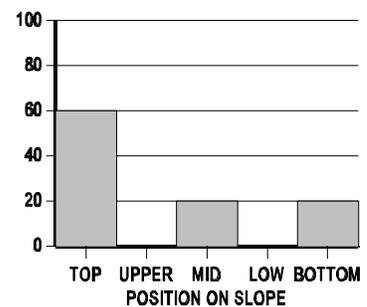
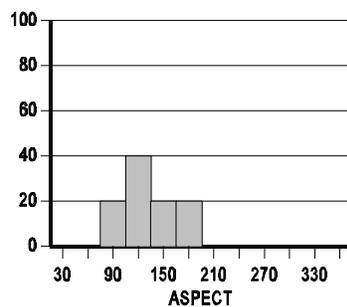
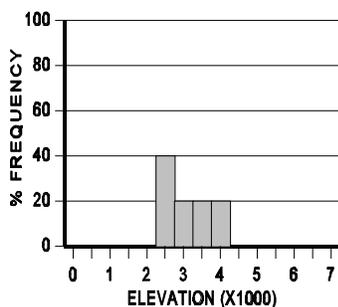
JEFFREY PINE/HUCKLEBERRY OAK-PINEMAT MANZANITA-BOX-LEAVED SILK-TASSEL
Pinus jeffreyi/Quercus vaccinifolia-Arctostaphylos nevadensis-Garrya buxifolia
 PIJE/QUVA-ARNE-GABU2 (N=5; FS=5)



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

Distinguishing Characteristics. This Association, along with the Jeffrey Pine/Huckleberry Oak-Pinemat Manzanita Association, is the wettest of the Series, averaging 120 inches of precipitation annually. This Association differs from the Jeffrey Pine/Huckleberry Oak-Pinemat Manzanita Association by the presence of box-leaved silk-tassel, generally with covers greater than 20 percent. It is also cooler, averaging 47 degrees F, annually.

Soils. The predominant parent material is serpentine, with one occurrence of peridotite. Surface gravel averages 24 percent cover and surface rock averages 51



percent cover. Exposed bedrock averages 6 percent cover. Based on two plots sampled, soils are moderately deep (27 inches) and well drained. Surface texture is clay loam, with 20 percent gravel, 5 percent cobbles, and 25 percent clay. Subsurface texture is also clay loam, with 25 percent gravel, 20 percent cobbles, and 35 percent clay. The soil moisture regime can be either xeric or udic and the soil temperature regime is probably frigid. Soils classify to the following subgroup: Dystric Xerochrept.

Environment. Elevation averages 3070 feet. This Association is generally found on south to southeast aspects. Slope averages 21 percent, with a range of 8 to 35 percent. This Association can be found from ridgetops to draws.

Vegetation Composition and Structure. Total species richness is low for the Series, averaging 27 species. The dominant overstory species is Jeffrey pine. The understory is also dominated by Jeffrey pine with Douglas-fir frequently present, although with low covers. Knobcone pine, western white pine, and California-laurel are common, but with low covers. Pinemat manzanita, box-leaved silk-tassel, and huckleberry oak are frequently present with covers averaging greater than 20 percent. Pygmy Oregongrape is also frequently present, but with low covers. Slender-tubed iris, common juniper, dwarf ceanothus, rock fern, whipplevine, and common beargrass are common with low covers. Squaw carpet, variable morning-glory, coffeeberry, red huckleberry, and Horkelia are occasional, also with low covers. Moss cover averages less than 1 percent.

Upper layer and mid-layer tree covers are intermediate for the Series, averaging 15 and 27 percent, respectively. Lower layer tree cover is high for the Series, averaging 45 percent. High shrub cover is low, averaging 8 percent, while low shrub cover averages 56 percent, highest for the Series. Herb/grass cover averages 28 percent, lowest for the Series.

| Common name | Code | Constancy | Cover | Avg. Richness |
|-------------------------|-------|-----------|-------|---------------|
| <u>Overstory trees</u> | | | | 3 |
| Jeffrey pine | PIJE | 100 | 20 | |
| <u>Understory trees</u> | | | | 6 |
| Jeffrey pine | PIJE | 100 | 13 | |
| Douglas-fir | PSME | 100 | 3 | |
| Knobcone pine | PIAT | 80 | 5 | |
| Western white pine | PIMO3 | 60 | 6 | |
| California-laurel | UMCA | 60 | 4 | |
| <u>Shrubs</u> | | | | 8 |
| Huckleberry oak | QUVA | 100 | 26 | |
| Pinemat manzanita | ARNE | 100 | 22 | |
| Box-leaved silk-tassel | GABU2 | 100 | 22 | |
| Pygmy Oregongrape | BEPU | 100 | 1 | |
| Common juniper | JUOC | 60 | 9 | |
| Dwarf ceanothus | CEPU | 60 | 3 | |
| <u>Herbs</u> | | | | 10 |
| Common beargrass | XETE | 80 | 4 | |
| Rock fern | ASDE6 | 60 | 1 | |
| Whipplevine | WHMO | 60 | 1 | |