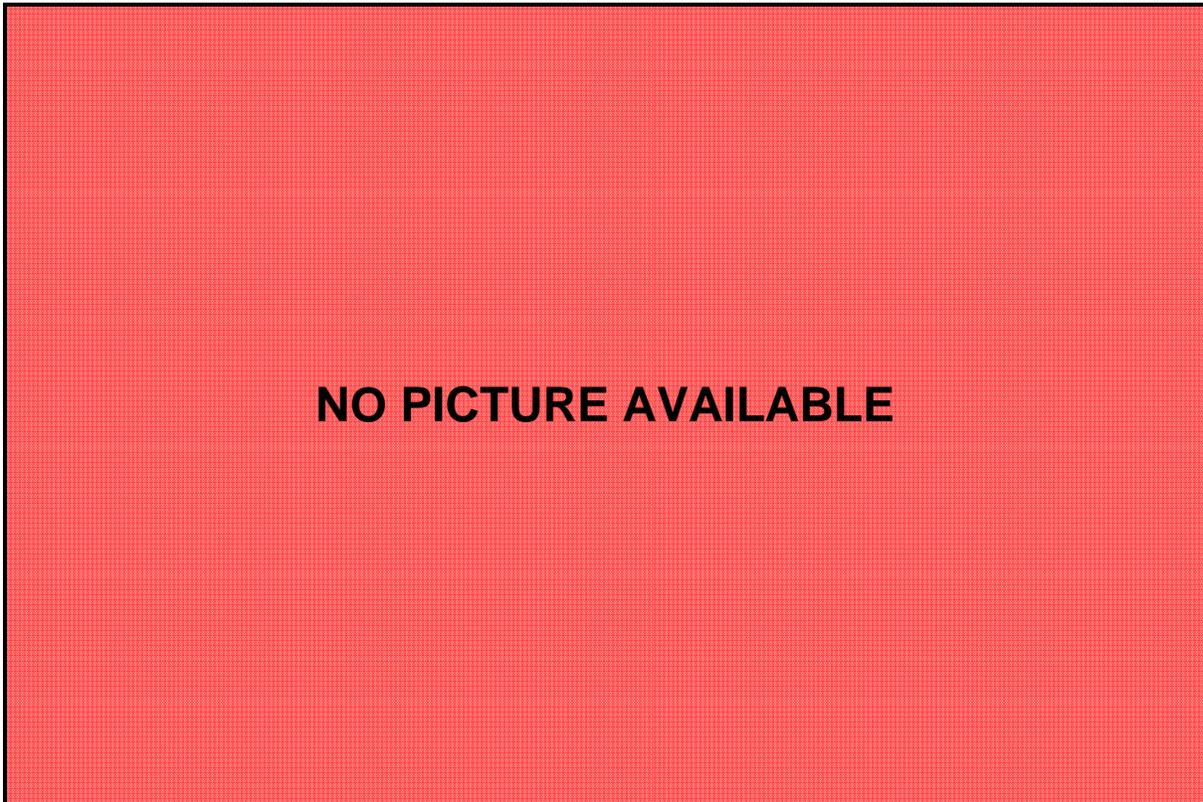


PIPO 6

PONDEROSA PINE-CALIFORNIA BLACK OAK

Pinus ponderosa-Quercus kelloggii

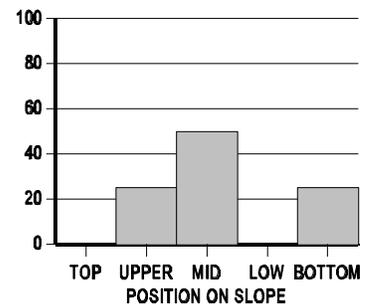
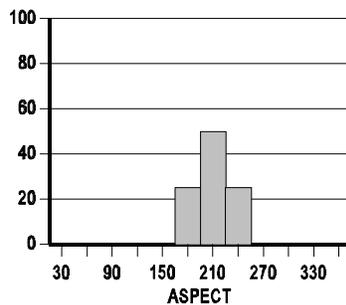
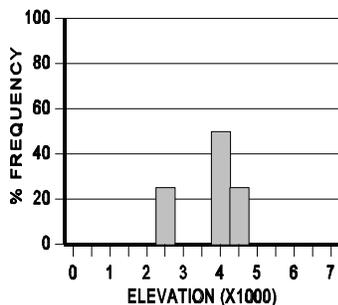
PIPO-QUKE (N=4; BLM=4)



Distribution. This Association occurs on the Ashland and Butte Falls Resource Areas, Medford District, Bureau of Land Management. It may also occur on all Ranger Districts of the Rogue River National Forest.

Distinguishing Characteristics. This Association is slightly cooler and drier than the Ponderosa Pine-Douglas-fir Association, averaging 45 degrees F and 30 inches of precipitation annually. Douglas-fir, when present, has covers of less than 3 percent in both the overstory and the understory. California black oak is frequently present with covers usually greater than 15 percent.

Soils. Parent material is mostly basalt or metavolcanic materials. Surface rock (defined as greater than 7 centimeters in size) cover averages 18 percent and exposed bedrock cover averages less than 1 percent. Bare ground averages less



than 1 percent, considerably less than the Ponderosa Pine-Douglas-fir Association. Based on four plots sampled, soil textures are silty clay loam, loam, or silty clay. Average rock fragment content is 13 percent, most of which is cobbles and stones (10 percent).

Environment. Elevation averages 3820 feet. This Association is generally found on south to southwest aspects. Slopes average 22 percent, with a range of 0 to 45 percent. Slope position ranges from bottoms to the upper one-third.

Vegetation Composition and Structure. Total species richness averages 19 species, slightly less than the Ponderosa Pine-Douglas-fir Association. The overstory is dominated by California black oak, while the understory is dominated by ponderosa pine and California black oak. California black oak cover averages 22 percent. Douglas-fir is also frequently present, but with covers of less than 3 percent. Deerbrush and common snowberry are common shrubs, while common vetch, woods strawberry, hedgehog dogtail, mountain sweet-root, white-flowered hawkweed, and slender-tubed iris are all frequent herbs. Moss is absent.

Tree cover exceeding 10 feet tall (3 meters) averages 57 percent, while cover for tree species less than 10 feet tall averages 2 percent. Cover for shrubs greater than 20 inches tall (50 centimeters) averages 10 percent, and cover for shrubs less than 20 inches tall is 0 percent. Herb/grass cover averages 40 percent.

Common name	Code	Constancy	Cover	Avg. Richness
<u>Overstory trees</u>				2
California black oak	QUKE	75	13	
Oregon white oak	QUGA4	25	5	
Douglas-fir	PSME	25	1	
Ponderosa pine	PIPO	25	1	
<u>Understory trees</u>				4
Ponderosa pine	PIPO	100	6	
California black oak	QUKE	75	22	
Douglas-fir	PSME	75	1	
Oregon white oak	QUGA4	25	2	
Western juniper	JUOC	25	1	
Pacific madrone	ARME	25	1	
<u>Shrubs</u>				2
Deerbrush	CEIN3	50	18	
Common snowberry	SYAL	50	1	
<u>Herbs</u>				20
Common vetch	VISA	100	4	
Woods strawberry	FRVEB3	75	13	
Hedgehog dogtail	CYEC	75	7	
Mountain sweet-root	OSCH	75	7	
White-flowered hawkweed	HIAL2	75	1	
Slender-tubed iris	IRCH	75	1	
Meadow fescue	FEPR	50	11	
Rough bluegrass	POTR	50	10	
Western fescue	FEOC	50	6	
Fragrant bedstraw	GATR	50	3	