

ABMAS 22

SHASTA RED FIR-MOUNTAIN HEMLOCK/PINEMAT MANZANITA/COMMON PRINCE'S-PINE
Abies magnifica shastensis-Tsuga mertensiana/Arctostaphylos nevadensis/Chimaphila umbellata
ABMAS-TSME/ARNE/CHUM (N=19; Sky Lakes=19)

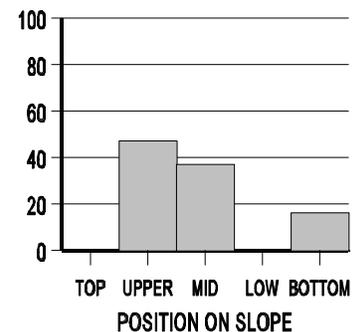
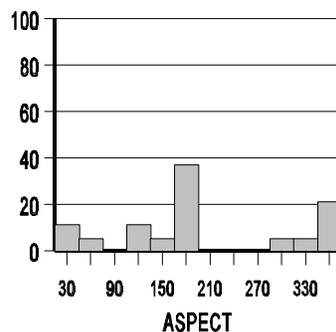
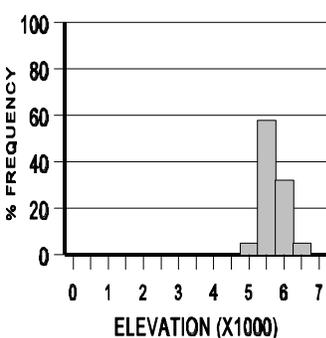


Distribution. Shasta Red Fir-Mountain Hemlock/Pinemat Manzanita/Common Prince's-pine occurs in the southern Oregon Cascades in the Sky Lakes Wilderness. It may also occur on the Butte Falls or Prospect Ranger Districts, Rogue River National Forest, or the Diamond Lake Ranger District, Umpqua National Forest.

Distinguishing Characteristics. Shasta Red Fir-Mountain Hemlock/Pinemat Manzanita/Common Prince's-pine occurs at high elevations and is one of the coldest of the Shasta Red Fir Series. Mountain hemlock is present in the understory and white fir is generally absent, both indicating the cold environment.

Soils. Soil data are not available.

Environment. Elevation averages 6050 feet. Shasta Red Fir-Mountain Hemlock/Pinemat Manzanita/Common Prince's-pine occurs on most aspects, although rarely on southwest and west aspects. Slope averages 16 percent and ranges from 1 to



35 percent. Upper and middle one-third slope positions predominate, although Shasta Red Fir-Mountain Hemlock/Pinemat Manzanita/Common Prince's-pine can also occur in the valley bottoms.

Vegetation Composition and Structure. Total species richness is very low for the Series, averaging 15 species. Overstory and understory tree layers are dominated by Shasta red fir, with mountain hemlock occurring frequently, lodgepole pine commonly, and western white pine occasionally. In the understory, golden chinquapin occurs occasionally. Shrub richness is very low for the Series, with pinemat manzanita occurring commonly, and grouse huckleberry occasionally. Herb/grass richness is also very low for the Series, with common prince's-pine and long stolon sedge occurring frequently, and one-sided pyrola commonly. Moss cover averages 1 percent.

Vegetation layer cover data is not available.

Common name	Code	Constancy	Cover	Richness
<u>Overstory trees</u>				3
Shasta red fir	ABMAS	84	32	
Mountain hemlock	TSME	79	13	
Lodgepole pine	PICO	68	15	
Western white pine	PIMO3	32	6	
Subalpine fir	ABLA	16	1	
White fir	ABCO	11	1	
Engelmann spruce	PIEN	11	1	
<u>Understory trees</u>				4
Shasta red fir	ABMAS	100	26	
Mountain hemlock	TSME	100	9	
Lodgepole pine	PICO	53	4	
Golden chinquapin	CACH6	42	11	
Western white pine	PIMO3	37	2	
White fir	ABCO	16	1	
<u>Shrubs</u>				3
Pinemat manzanita	ARNE	68	17	
Grouse huckleberry	VASC	32	15	
Oregon boxwood	PAMY	21	1	
Thin-leaved huckleberry	VAME	16	29	
Greenleaf manzanita	ARPA6	16	2	
Red huckleberry	VAPA	11	3	
<u>Herbs</u>				5
Common prince's-pine	CHUM	89	4	
Long stolon sedge	CAPE6	79	5	
One-sided pyrola	PYSE	53	2	
Whitevein pyrola	PYPI2	21	2	
Drummond's rush	JUDR	16	1	
Starry false Solomon's-seal	SMST	16	1	
Pacific bleedingheart	DIFO	16	1	
Sickle-keeled lupine	LUAL3	11	5	
Skunk-leaved polemonium	POPU3	11	2	
Arrowleaf groundsel	SETR	11	2	
Long-stalked clover	TRLO	11	2	