

HOTAW SERIES

The Hotaw series consists of well-drained soils underlain by weathered granodiorite. These moderately sloping to steep soils are on mountainous uplands. Slopes are 5 to 50 percent. The vegetation is mostly ponderosa pine, Douglas-fir, incense cedar, manzanita, ceanothus, blue oak, live oak, other brush species, and forbs. Elevation ranges from 1,700 to 2,500 feet. The annual rainfall is 45 to 55 inches, and the average annual air temperature is 54° to 59°F. The frost-free season ranges from 180 to 230 days.

In a representative profile, the surface layer is about 12 inches of pale-brown and light yellowish-brown sandy loam. Reaction (pH) is medium acid. The subsoil is about 22 inches of light yellowish-brown heavy sandy loam and sandy clay loam. Reaction (pH) in the subsoil is medium to strongly acid. Weathered granodiorite is at a depth of about 34 inches.

Permeability is moderately slow in these soils. Effective rooting depth is 24 to 40 inches. Available water holding capacity is 2.5 to 5 inches.

The Hotaw soils are used mostly for timber production. They are also used for grazing to a limited extent. Some small areas are used for irrigated pasture.