

McCARTHY SERIES*

The McCarthy series consists of well-drained soils underlain by weathered andesitic conglomerate. These soils are gently rolling to very steep and are on mountainous uplands and volcanic flows. Slopes are 5 to 75 percent. The vegetation is mostly ponderosa pine, Douglas-fir, incense cedar, sugar pine, black oak, manzanita, ceanothus, and bear clover. Elevation ranges from 2,800 to 4,600 feet. The annual rainfall is 48 to 55 inches, and the average annual air temperature is 48° to 51°F. The frost-free season is 140 to 200 days.

In a representative profile the surface generally is littered with such forest debris as pine needles, oak leaves, and other vegetative material. Similar material below the surface becomes more decomposed as depth increases. The mineral surface layer is about 10 inches of dark grayish-brown and brown cobbly loam. Reaction is slightly acid. The subsoil is about 21 inches of strong-brown and reddish-yellow very cobbly loam. Reaction in the subsoil is medium acid. Weathered andesitic conglomerate is at a depth of about 31 inches.

Effective rooting depth is 18 to 32 inches in these soils. Available water holding capacity is 2.5 to 4.5 inches.

The McCarthy soils are used for timber production and limited grazing.

Individual Soil Types	Runoff	Erosion	Permeability	Capability Unit	Woodland Suitability	Uses
McCarthy sandy loam 15 to 50% slopes (MnE)	Medium to Rapid	Moderate – High	Moderately high	Vle-1	6	Timber production, limited grazing
McCarthy cobbly loam 5 to 15% slopes (MoC)	Medium	Slight – Moderate	Moderate	Vle-1	4	Timber production, limited grazing
McCarthy cobbly loam 15 to 50% slopes (MoE)	Medium to Rapid	Moderate – High	Moderate	Vle-1	5	Timber production, limited grazing

*Applies in general to individual soil types