

CHAIX SERIES

The Chaix series consists of well-drained soils underlain by weathered granodiorite. These soils are on mountainous uplands. Slopes are 5 to 75 percent. The vegetation is mostly ponderosa pine, incense cedar, black oak, canyon live oak, bear clover, manzanita, ceanothus, and annual grasses. Elevation ranges from 1,200 to 3,000 feet. The annual rainfall is 35 to 50 inches, and the average annual air temperature is 56° to 58°F. The frost-free season ranges from 175 to 225 days.

In a representative profile the surface layer is about 8 inches of light-gray and very pale brown sandy loam. The subsoil is 16 inches of very pale brown, heavy, sandy loam. The substratum is 10 inches of variegated very pale brown and white light sandy loam. Reaction is medium acid throughout the profile. Weathered granodiorite is at a depth of 34 inches.

Permeability is moderately rapid in the subsoil. Effective rooting depth is 20 to 40 inches. Available water holding capacity is 3 to 5 inches.

The Chaix soils are used for timber production and grazing, improved dry pasture, and watershed.

Individual Soil Types	Rock Outcrop	Runoff	Erosion	Capability Unit	Woodland Suitability	Uses
Chaix sandy loam 15 to 50% slopes (CdE2)	2 – 10%	Medium to Rapid	High	Vle-1	6	Annual range, improved dry pasture, timber production
Chaix –Hotaw Complex 5 to 15% slopes (ChC2)	2 – 10%	Medium	Moderate – High	IVe-1	5	Timber production, grazing
Chaix –Hotaw Complex 15 to 30% slopes (ChD2)	2 – 10%	Medium to Rapid	High	Vle-1	6	Timber production, limited grazing
Chaix –Hotaw Complex 30 to 50% slopes (ChE2)	10 – 25%	Rapid	Very High	Vls-1	7	Timber production, grazing
Chaix-Rock Outcrop Complex 20 to 75% slopes (CkF)	10 – 25%	Rapid	Very High	Vlls-1	7	Watershed, timber production, limited grazing