

SOBRANTE SERIES*

The Sobrante series consists of well-drained soils underlain by slightly weathered metabasic rock. These soils are undulating to steep and are on the lower and middle parts of foothills. Slopes are 2 to 50 percent. The vegetation is mostly annual grasses and forbs and blue oak, live oak, poison oak, and other brush species. Elevation ranges from 500 to 2,000 feet. The annual rainfall is 28 to 45 inches and the average annual air temperature is about 60°F. The frost-free season is 240 to 260 days.

In a representative profile the surface layer is about 9 inches of reddish-brown loam. Reaction is slightly acid or medium acid. The subsoil is 18 inches of reddish-brown heavy loam and light clay loam. Reaction in the subsoil is slightly acid. The substratum of weathered diabase is at a depth of about 27 to 37 inches. Slightly weathered diabase is at 37 inches.

Permeability is moderate in these soils. Effective rooting depth is 24 to 36 inches. Available water holding capacity is 3.5 to 6 inches.

The Sobrante soils are used for annual range, irrigated pasture, and dry pasture.

Individual Soil Types	Rock Outcrop	Runoff	Erosion	Capability Unit	Uses
Sobrante loam 2 to 15% slopes (SoC)	Less than 10%	Medium	Slight – Moderate	IIIe-1	Annual range, improved dry pasture, irrigated pasture
Sobrante loam 15 to 30% slopes (SoD)	Less than 10%	Medium	Moderate	IVe-1	Annual range, improved dry pasture, irrigated pasture
Sobrante-Rock Outcrop Complex 2 to 30% slopes (SrD)	10 – 25%	Medium	Slight – Moderate	VIIs-1	Annual range
Sobrante-Rock Outcrop Complex 30 to 50% slopes (SrE)	10 – 25%	Medium to Rapid	Moderate – High Moderate	VIIs-1	Annual range

*Applies in general to all individual soil types