

SHENANDOAH SERIES

The Shenandoah series consists of somewhat poorly drained soils underlain by the weathered granitic rock. These soils are undulating to rolling. Slopes are 2 to 15 percent and are generally concave. The vegetation is mostly oak, live oak, digger pine, wire grass, an annual grasses and sedges. Elevation ranges from 600 to 1,800 feet. The annual rainfall is 30 to 40 inches, and the average annual air temperature is about 61°F. The frost-free season is 240 to 260 days.

In a representative profile the surface layer is about 18 inches of brown and pale-brown sandy loam. Reaction is medium acid. The subsoil is about 9 inches of light brownish-gray clay. Reaction in subsoil is slightly acid. The substratum is pale-brown coarse sandy loam and is neutral in reaction. Weathered granodiorite is at the depth of about 3 inches.

Permeability is very slow in the subsoil. Effective rooting depth is 27 to 40 inches. Available water holding capacity is 3 to 5 inches.

Individual Soil Types	Runoff	Erosion	Capability Unit	Uses
Shenandoah sandy loam 2 to 15% slopes (SdC)	Medium	Slight – Moderate	Illw-e	Annual range, improved dry pasture, irrigated pasture