

AUBURN SERIES*

The Auburn series consists of well-drained soils underlain by weathered diabase rock. These soils are undulating to steep and are on mountainous uplands of the middle and lower parts of foothills. Slopes are 2 to 50 percent. The vegetation is mostly annual grasses and forbs and oak, but scattered areas of digger pine and brush are also present. Elevation ranges from 300 to 1,800 feet. The annual rainfall is 26 to 35 inches, and the average annual air temperature is about 60°F. The frost-free season range from 235 to 265 days.

In a representative profile the surface layer is about 9 inches of brown and reddish-brown loam and heavy loam. The subsoil is about 7 inches of yellowish-red light clay loam. Weathered diabase or metabase rock is at a depth of about 16 inches. Reaction is slightly acid throughout the profile.

Permeability is moderate in these soils. Effective rooting depth is 14 to 27 inches. Available water holding capacity is 2 to 4 inches.

The Auburn soils are used mostly for annual range. A few small areas are used for irrigated pasture and improved dry pasture.

Individual Soil Types	Rock Outcrop	Runoff	Erosion	Capability Unit	Uses
Auburn loam 2 to 30% slopes (AvD)	Less than 10%	Slow to Medium	Slight – Moderate	Ive-1	Annual range, improved dry pasture, irrigated pasture
Auburn –Argonaut Complex 2 to 15 % slopes (AwC)	Approximately 10%	Slow to Medium	Slight – Moderate	Ive-1	Winter and spring pasture, limited irrigated pasture
Auburn-Rock outcrop Complex 2 to 30% slopes (AxD)	10 – 25%	Slow to Medium	Slight – Moderate	VIIs-1	Annual range, some irrigated and improved dry pasture
Auburn-Rock outcrop Complex 30 to 50% slopes (AxD)	10 – 25%	Medium to Rapid	Moderate to High	VIIIs-1	Annual range

**Applies in general to individual soil types*