

## Pedon 12

The pedon 12 soils consists of moderately deep, well drained soils that formed in material weathered from basic igneous and metamorphic rocks. These soils are on foothills and have slopes of 2 to 75 percent. The mean annual precipitation is about 32 inches and the mean annual temperature is about 60 degrees F.

### **TAXONOMIC CLASS:**

\_\_\_\_\_ --0 to 5 inches; reddish brown (5YR 5/4) silt loam, dark reddish brown (5YR 3/4) moist; massive; slightly hard and hard, friable, slightly sticky and slightly plastic; many very fine roots; common very fine and medium tubular and interstitial pores; medium acid (pH 6.0); clear smooth boundary. (4 to 9 inches thick)

\_\_\_\_\_ --5 to 11 inches; yellowish red (5YR 4/6) silt loam, yellowish red (5YR 3/6) moist; weak medium subangular blocky structure; hard, friable, sticky and slightly plastic; common very fine roots; many very fine and fine tubular pores; few thin clay films in pores; slightly acid (pH 6.3); clear smooth boundary. (5 to 10 inches thick)

\_\_\_\_\_ --11 to 24 inches; yellowish red (5YR 5/6) light clay loam, dark red (2.5YR 3/6) moist; moderate medium subangular blocky structure; hard, friable, sticky and slightly plastic; common very fine roots; common very fine, many fine and medium tubular pores; many thin clay films in pores and on peds; slightly acid (pH 6.3); clear wavy boundary. (11 to 18 inches thick)

\_\_\_\_\_ --24 to 30 inches; soft well-weathered basic schist, slightly acid (pH 6.5). (0 to 6 inches thick)

\_\_\_\_\_ --30 to 34 inches; hard basic schist with pockets of slightly weathered schist.

**TYPE LOCATION:** El Dorado County, California; 2.5 miles south of Shingle Springs, 200 feet west of French Creek Road, 200 feet south of the N 1/4 corner of sec. 19, T. 9 N., R. 10 E.

**GEOGRAPHIC SETTINGS:** The pedon 12 soils are on foothills and have slopes of 2 to 75 percent. Elevation ranges from 125 to 3,500 feet. They formed in material weathered from basic igneous and metamorphic rocks, mainly amphibolite schist, diabase, andesite, or basalt. Rock outcrops are common. The climate is moist subhumid with warm dry summers and cool moist winters. Mean annual precipitation is 15 to 50 inches. Mean annual temperature is about 56 to 60 degrees F; average January temperature about 45 degrees F; and average July temperature about 76 degrees F. Frost-free season is about 200 to 270 days, but may be as few as 140 in Lake Co.

**DRAINAGE AND PERMEABILITY:** Well drained; medium to rapid runoff; moderate permeability.