

Typically, Pedon 14 soils have reddish brown, medium and slightly acid, sandy loam A horizons, yellowish red, slightly acid, sandy clay loam ? horizons grading to weathered basic rock.

**TAXONOMIC CLASS:**

(Colors are for dry soil unless otherwise noted.)

\_\_\_\_\_ --0 to 5 inches; reddish brown (5YR 5/4) sandy loam, dark reddish brown (5YR 3/4) moist; massive; slightly hard, friable, slightly sticky, slightly plastic; many very fine, common fine roots; many very fine tubular and interstitial, few fine tubular pores; medium acid (pH 6.0); clear smooth boundary. (4 to 6 inches thick)

\_\_\_\_\_ --5 to 10 inches; reddish brown (5YR 4/4) sandy loam, dark reddish brown (5YR 3/4) moist; massive; slightly hard, friable, slightly sticky, slightly plastic; many very fine, common fine roots; many very fine tubular pores; slightly acid (pH 6.2); clear wavy boundary. (2 to 7 inches thick)

\_\_\_\_\_ --10 to 14 inches; yellowish red (5YR 4/6) heavy sandy loam, yellowish red (5YR 3/6) moist; massive; hard, friable, sticky, plastic; common very fine and fine roots; common very fine tubular pores; many thin clay films line pores and as bridges; slightly acid (pH 6.2); gradual smooth boundary. (2 to 8 inches thick)

\_\_\_\_\_ --14-26 inches; yellowish red (5YR 4/6) sandy clay loam, dark red (2.5YR 3/6) moist; massive; extremely hard, firm, sticky, plastic; few fine, medium and coarse roots; few very fine and fine tubular pores; many moderately thick clay films line pores; slightly acid (pH 6.4); gradual smooth boundary. (7 to 14 inches thick)

\_\_\_\_\_ --26-34 inches; reddish yellow (5YR 6/8) heavy sandy loam, variegated reddish brown and reddish yellow (5YR 4/4, 6/6) moist; massive; extremely hard, firm, sticky, plastic; few fine, medium and coarse roots; few very fine tubular and interstitial pores; many thin clay films line pores and as bridges; slightly acid (pH 6.5); clear wavy boundary. (5 to 14 inches thick)

\_\_\_\_\_ --34 to 55 inches; reddish yellow (5YR 7/8) coarse sandy loam, yellowish red (5YR 5/6) moist; massive; very hard, firm, slightly sticky, slightly plastic; few fine, medium and coarse roots; few very fine tubular and interstitial pores; few thin clay films line pores and as bridges; slightly acid (pH 6.5); clear wavy boundary. (10 to 22 inches thick)

\_\_\_\_\_ --55 to 66 inches; very pale brown (10YR 7/4) loamy coarse sand, strong brown (7.5YR 5/6) moist; massive; slightly hard, firm, nonsticky, nonplastic; few fine, medium and coarse roots; few and very fine tubular and interstitial pores; slightly acid (pH 6.5).

**TYPE LOCATION:** El Dorado County, California; 2.0 miles north of Bass Lake, 50 feet east of Deer Valley Road, near center of NE114 SE1/4 of sec. 19, T.10N., R.9E.

**GEOGRAPHIC SETTING:** Pedon 14 soils are on gently sloping to very steep uplands at elevations of 800 to 2,000 feet. They formed in residuum of gabbrodiorite rocks. Rock outcrops and stones are present in some units. The climate is moist subhumid with hot dry summers and cool moist winters. Annual precipitation 18 25 to 45 inches. Mean annual temperature is about 59 degrees F., average January temperature about 44 degrees F., and the average July temperature about 75 degrees F.

**DRAINAGE AND PERMEABILITY:** Well-drained; medium to very rapid runoff; moderately slow to slow permeability.

**USE AND VEGETATION:** Annual range and watershed. Some areas are irrigated and produce pasture and deciduous fruit. Native vegetation is annual and perennial grasses, brush, scattered conifers, and oaks.

**DISTRIBUTION AND EXTENT:** Mainly on the western slopes of the Sierra Nevada Range. The series is of moderate extent.