

#### Pedon 4

The soils have grayish-brown slightly acid fine sandy loam A horizons, grayish brown neutral light fine sandy clay loam B2t horizon, and light olive brown mildly alkaline fine sandy loam C horizons.

**TYPICAL PEDON:** Pedon 4 fine sandy loam. (Colors are for dry soils unless otherwise stated.)

\_\_\_\_\_--0 to 8 inches; grayish brown (2.5Y 5/2) fine sandy loam, very dark grayish brown (2.5Y 3/2) moist; massive; slightly hard, friable, nonsticky, nonplastic; many very fine roots; many very fine and fine pores; surface slightly wind reworked; slightly acid; clear, smooth boundary. (6 to 10 inches thick)

\_\_\_\_\_--8 to 15 inches; grayish brown (2.5Y 5/2) heavy fine sandy loam, very dark grayish brown (2.5Y 3/2) moist; massive; hard, friable, slightly sticky and slightly plastic; common very fine roots; many very fine and fine pores; slightly acid; clear, smooth boundary. (6 to 12 inches thick)

\_\_\_\_\_--15 to 27 inches; grayish brown (10YR 5/2) light fine sandy clay loam with dark grayish brown coatings on many ped faces, very dark grayish brown (10YR 3/2) moist; massive; very hard, firm, slightly sticky and slightly plastic; few very fine roots; many very fine pores; thin continuous clay films mainly in pores; neutral; gradual, smooth boundary. (12 to 18 inches thick)

\_\_\_\_\_--27 to 38 inches; grayish brown (2.5Y 5/2) heavy fine sandy loam, dark grayish brown (2.5Y 4/2) moist; massive; very hard, friable, slightly sticky and slightly plastic; very few roots; many very fine pores; few thin discontinuous clay films in pores; mildly alkaline; gradual, smooth boundary. (10 to 15 inches thick)

\_\_\_\_\_--38 to 60 inches; light olive brown (2.5Y 5/3) fine sandy loam, dark grayish brown (2.5Y 4/2) moist; massive; slightly hard; friable, nonsticky, nonplastic; very few roots; many very fine pores; mildly alkaline.

**TYPE LOCATION:** Glenn County, California, 1-3/4 miles south of Plaza School and 1/4 mile north of the SE corner of section 8, T21N, R2W.

**GEOGRAPHIC SETTING:** Pedon 4 soils occur on low, gently undulating ridges near old abandoned stream beds. Underlying alluvium is wind modified and was derived from sedimentary and metasedimentary rocks. They occur at elevations below 250 feet, in a dry subhumid mesothermal climate with mean annual rainfall of 15 to 25 inches, with hot, dry summers and cool, moist winters. Mean annual temperature is about 63 degrees F., average January temperature about 45 degrees F., and average July temperature about 83 degrees F. Frost-free season averages about 265 days.

**DRAINAGE AND PERMEABILITY:** Well drained with moderate to moderately rapid permeability and slow runoff.