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The Pedon 21 series consists of deep, very poorly drained wide cracking soils with a high percentage of exchangeable sodium. They formed in mixed alluvium in basin rims and have slopes of less than 2 percent. The mean annual precipitation is about 11 inches and the mean annual temperature is 62 degrees F.

## **TAXONOMIC CLASS:**



TYPE LOCATION: Merced County, California; 8 miles northwest of the city of Los Banos; 2,100 feet west of Santa Fe Grade and the Ingomar Duck Club clubhouse, 660 feet east and 50 feet south of the NW corner sec. 8, T. 9 S., R. 10 E.

**GEOGRAPHIC SETTING:** Pedon 21 soils are in the basin rim and very low alluvial fans of valleys. Slopes are 0 to 2 percent. The soils have formed in mixed alluvium derived from granitic and sedimentary rocks. Most of the areas are flat smooth ponds or basins. Elevations are 70 to 120 feet. The climate is semiarid with hot dry summers and cool moist winters. The mean annual precipitation is about 11 inches. The mean annual temperature is about 62 degrees F. Frost-free season is 210 to 280 days.

**DRAINAGE AND PERMEABILITY:** Very poorly drained. Ponded 1 to 1 1/2 feet deep from September through April; very slow permeability. **USE AND VEGETATION:** These soils are ponded and used for waterfowl hunting with some areas used for limited grazing (during spring and summer) between hunting seasons. The vegetation is swampgrass, Baltic rush, alkali bullrush, sour clover, and other salt tolerant wetland grasses and forbs.