

Pedon 13

The pedon 13 soils consists of deep, well drained soils that formed in mixed lacustrine deposits. Pedon 13 soils are on low and medium lake terraces, and have slopes of 0 to 10 percent. The average annual precipitation is about 12 inches and the mean annual air temperature is about 48 degrees F.

TYPICAL PEDON: Pedon 13 loam - non-irrigated cropland. (Colors are for dry soil unless otherwise noted.)

_____ --0 to 2 inches; light brownish gray (10YR 6/2) loam, dark grayish brown (10YR 4/2) moist moderate medium platy structure parting to thin platy; soft, very friable, slightly sticky and slightly plastic; many very fine roots; many very fine vesicular pores; moderately calcareous; mildly alkaline (pH 7.7); abrupt smooth boundary. (2 to 8 inches thick)

_____ --2 to 6 inches; light brownish gray (10YR 6/2) loam, dark grayish brown (10YR 4/2) moist moderate thick and medium platy structure; soft, very friable, slightly sticky and slightly plastic; many very fine roots; many fine continuous tubular pores; moderately calcareous; moderately alkaline (pH 7.9); abrupt smooth boundary. (3 to 7 inches thick)

_____ --6 to 13 inches; very pale brown (10YR 7/3) loam, brown (10YR 4/3) moist; weak coarse prismatic structure parting to medium subangular blocky; slightly hard, friable, slightly sticky and slightly plastic; few very fine roots; common fine discontinuous pores; moderately calcareous; mildly alkaline (pH 7.7); gradual smooth boundary. (5 to 11 inches thick)

_____ --13 to 25 inches; very pale brown (10YR 7/3) loam, grayish brown (10YR 5/2) moist; weak medium subangular blocky structure; slightly hard, very friable, slightly sticky and nonplastic; few very fine roots; common fine discontinuous pores; few krotovina 10 to 15 mm. in diameter; strongly calcareous moderately alkaline (pH 7.9); abrupt irregular boundary. (0 to 12 inches thick)

_____ --25 to 34 inches; very pale brown (10YR 8/3) loam, light brownish gray (2.5Y 6/2) moist; weak medium subangular blocky structure; hard, friable, nonsticky and nonplastic; few very fine roots; common fine and few medium discontinuous pores; strongly calcareous; moderately alkaline (pH 8.3); abrupt irregular boundary. (5 to 16 inches thick)

_____ --34 to 48 inches; white (10YR 8/2) light loam, light brownish gray (2.5Y 6/2) moist; weak medium subangular blocky structure; hard, very friable, slightly sticky and nonplastic; few very fine roots; few very fine discontinuous pores; strongly calcareous, very strongly alkaline (pH 9.2); clear smooth boundary. (5 to 16 inches thick)

_____ --48 to 65 inches; white (2.5Y 8/2) very fine sandy loam, light brownish gray (2.5Y 6/2) moist; massive; slightly hard, very friable, nonsticky and nonplastic; few very fine roots; few very fine discontinuous pores; strongly calcareous; very strongly alkaline (pH 9.2); clear smooth boundary. (5 to 16 inches thick)

TYPE LOCATION: Box Elder County, Utah; about 5 miles west of Promontory Monument or about 1 ¼ miles west and ½ mile south of Cedar Springs; 1,800 feet east and 175 feet south of the northwest corner of sec. 4, T. 10 N., R. 7 W., SLBM.

GEOGRAPHIC SETTING: Pedon 13 soils are on low and medium lake terraces that are somewhat undulating or dissected in places. Slopes are 0 to 10 percent. The parent materials are strongly calcareous lacustrine deposits. In places these deposits have been shifted by the wind. These soils are at elevations of 4,300 to 5,200 feet. The climate is dry subhumid with dry summers and moist winters. The mean annual temperature is 47 to 49 degrees F. and average summer temperature is about 70 degrees F. The average annual precipitation is 10 to 14 inches. The frost-free period is 100 to 130 days.