

Site: Upper Weyerhaeuser Saline Prairie

Pedon ID: Winn Parish_W1S

Date Described: 4/30/2008

Location quadrants: 31 degrees 52 minutes 19.9 seconds N
92 degrees 20 minutes 33.5 seconds W

Landscape: late Pleistocene terrace

Landform: saline prairie

Soil Series Mapped: Brimstone

Habitat/Landscape Position: slick

A--0 to 8 cm; light olive brown (2.5Y 5/4) silt loam; weak medium subangular blocky structure; very few fine roots; slightly alkaline; clear wavy boundary.

BE—8 to 28 cm; 70 % grayish brown (2.5Y 5/2) and 30 % light yellowish brown (2.5Y 6/3) silt loam; weak medium subangular blocky structure; very few very fine roots; common medium prominent light olive brown (2.5Y 5/6) oxidized iron masses; moderately alkaline; clear smooth boundary.

Btng/E1—28 to 51 cm; gray (10YR 6/1) silty clay loam; moderate medium subangular blocky structure; common distinct gray (5Y 5/1) clay films on ped faces; common medium prominent olive (5Y 5/6) oxidized iron masses throughout; about 15 percent of light gray (5Y 7/1) tongues of silty albic material extending vertically (E); strongly alkaline; clear wavy boundary.

Btng/E2—51 to 89 cm; gray (5Y 6/1) silty clay loam; moderate medium subangular blocky structure; common distinct gray (5Y 5/1) clay films on ped faces; common medium prominent olive (5Y 5/6) oxidized iron masses throughout; about 35 percent of light gray (5Y 7/1) tongues of silty albic material extending vertically (E); very strongly alkaline; clear wavy boundary.

Btkng/E3—89 to 127 cm; olive gray (5Y 5/2) silty clay loam; moderate medium prismatic structure parting to moderate medium subangular blocky structure; common distinct olive gray (5Y 4/2) clay films on ped faces; common medium prominent yellowish brown (10YR 5/8) oxidized iron masses throughout; about 20 percent light gray (5Y 7/1) tongues of silty albic material extending vertically (E); about 1 percent CaCO₃ concretions 1 cm-2.5cm in diameter; very strongly alkaline; clear wavy boundary

Btkng/E4—127 to 160 + cm; gray (2.5Y 6/1) silty clay loam; moderate coarse prismatic structure parting to moderate medium blocky structure; common distinct grayish brown (2.5Y 5/2) clay films on ped faces; common medium prominent yellowish brown (10YR 5/8) oxidized iron masses throughout; about 1 percent CaCO₃ concretions >4 cm in diameter; very strongly alkaline