Site: Dalton/Dickson Saline Prairie
Pedon ID: Dickson Prairie_D1P
Date Described: 5/1/2008
Location quadrants: 32 degrees 18 minutes 27.2 seconds N
93 degrees 48 minutes 24.2 seconds W

Landscape: late Pleistocene terrace
Landform: saline prairie
Soil Series Mapped: Bonn
Habitat/landscape position: broad flat

A--0 to 13 cm: brown (10YR 4/3) silt loam; weak medium subangular blocky structure; friable; few fine distinct strong brown (7.5YR 4/6) masses of oxidized iron; few fine faint dark grayish brown (10YR 4/2) masses of reduced iron; few fine and very fine roots; slightly acid; clear smooth boundary.

E1—13 to 25 cm; dark yellowish brown (10YR 4/4) silt loam; massive; very sticky; saturated; few fine distinct strong brown (7.5YR 4/6) masses of oxidized iron; few fine faint dark grayish brown (10YR 4/2) masses of reduced iron; few very fine roots; slightly acid; abrupt smooth boundary.

Btk1—25 to 46 cm; brown (10YR 4/3) and yellowish brown (10YR 5/4) silty clay loam; moderate medium subangular blocky structure; firm; common distinct dark grayish brown (10YR 4/2) clay films on ped faces; few fine roots; many fine and very fine pores; few black Mn stains; slight effervescent; slightly acid; clear smooth boundary

Btkn/E1—46 to 79 cm; gray (2.5Y 5/1) silty clay loam; weak medium prismatic structure parting to moderate medium subangular blocky structure; firm; common distinct dark gray (2.5Y 4/1) clay films on ped faces; about 5% light gray (2.5Y 7/1) tongues of silty material; about 2 % of light brownish gray (2.5Y 6/2) E material along ped faces; many medium and coarse distinct yellowish brown (10YR 5/6) and few medium distinct light olive brown (2.5Y 5/6) masses of oxidized iron throughout; few black Mn stains; about 1% CaCO3 concretions 2 to 10 mm in diameter; strongly effervescent; strongly alkaline; clear smooth boundary

Btkn/E2—79 to 104 cm; light brownish gray (2.5Y 6/2) clay loam; weak medium prismatic structure parting to weak medium subangular blocky structure; firm; common distinct grayish brown (2.5Y 5/2) clay films on ped faces; about 10% light gray (2.5Y 7/1) tongues of silty material; about 2 % of light brownish gray (2.5Y 6/2) E material along ped faces; common medium distinct light olive brown (2.5Y 5/6) and olive yellow (2.5Y 6/6) masses of oxidized iron throughout; few black Mn stains; about 1% CaCO3 concretions 2 to 10 mm in diameter; strongly alkaline; clear smooth boundary

Btk—104 to 132 cm; light brownish gray (2.5Y 6/2) clay loam; weak medium subangular blocky structure; friable; few distinct grayish brown (2.5Y 5/2) clay films on ped faces; many medium and coarse distinct yellowish brown (10YR 5/6) and light olive brown (2.5Y 5/6) masses of oxidized iron throughout; common fine pores; about 1% $CaCO_3$ concretions 2 to 10 mm in diameter; very strongly alkaline; clear wavy boundary

BC—132 to 158+ cm; dark yellowish brown (10YR 4/6) and light brownish gray (10YR 6/2) sandy clay loam; weak medium subangular blocky structure; friable; few medium distinct strong brown (7.5YR 4/6) masses of oxidized iron throughout; very strongly alkaline.