

Site: Dalton/Dickson Saline Prairie

Pedon ID: Dickson Prairie\_D3S

Date Described: 5/1/2008

Location quadrants: 32 degrees 18 minutes 29.5 seconds N  
93 degrees 48 minutes 24.7 seconds W

Landscape: late Pleistocene terrace

Landform: saline prairie

Soil Series Mapped: Bonn

Habitat/Landscape Position: slick

A--0 to 15 cm; olive yellow (2.5Y 6/6) clay loam; moderate medium subangular blocky structure; firm; common medium distinct grayish brown (2.5Y 5/2) masses of reduced iron and many medium prominent yellowish brown (10YR 5/6) masses of oxidized iron throughout; few fine and very fine roots; strongly acid; clear wavy boundary.

Bt1—15 to 43 cm; light olive brown (2.5Y 5/4) and gray (2.5Y 5/1) clay loam; moderate medium subangular blocky structure; firm; few distinct dark grayish brown (2.5Y 4/2) clay films on ped faces; common medium distinct yellowish brown (10YR 5/6) masses of oxidized iron throughout; about 2 % Fe & Mn nodules; few very fine and fine roots; strongly acid; gradual wavy boundary.

Btg/E1—43 to 81 cm; 60% light brownish gray (2.5Y 6/2) and 40% light yellowish brown (2.5Y 6/3) sandy loam; weak medium subangular blocky structure; friable; few distinct grayish brown (2.5Y 5/2) clay films on ped faces; few fine prominent yellowish red (5YR 5/6) and common medium prominent strong brown (7.5YR 5/6) masses of oxidized iron throughout; about 1 % Fe & Mn nodules; moderately acid; clear smooth boundary

Btg/E2—81 to 127 cm; 80% grayish brown (2.5Y 5/2) and 20% light olive brown (2.5Y 5/3) sandy loam; moderate medium subangular blocky structure; firm; common distinct dark grayish brown (2.5Y 4/2) clay films on ped faces; about 1% light gray (2.5Y 7/1) skeletalans of very fine sandy loam between peds; common medium distinct dark yellowish brown (10YR 4/6) and yellowish brown (10YR 5/6) masses of oxidized iron throughout; very strongly acid; abrupt wavy boundary

2C—127 to 157+ cm; light yellowish brown (2.5Y 6/3) loamy fine sand; massive very friable; common medium distinct light olive brown (2.5Y 5/6) masses of oxidized iron throughout; neutral.