
APPENDIX G

Soil Series Descriptions

Anacoco

The Anacoco series consists of very deep, somewhat poorly drained, very slowly permeable soils on uplands. These soils formed in acid clayey and loamy marine sediments of Tertiary age. Slopes range from 1 to 5%.

Beauregard

The Beauregard series consists of very deep, moderately well drained, slowly permeable soils that formed in loamy alluvial sediments of Pleistocene age. These soils are on broad, nearly level and gently sloping coastal plains. They are saturated for short periods during winter and early spring. Water runs off the surface at a medium to slow rate. Slopes are dominantly 1 to 3% but range from 0 to 5%.

Bellwood

The Bellwood series consists of very deep, somewhat poorly drained, very slowly permeable soils that formed in acid, clayey Tertiary age sediments. These soils are on nearly level to steep coastal plain uplands. They are saturated during the winter and spring months. Slopes range from 1 to 20%.

Betis

The Betis series consists of very deep, somewhat excessively drained rapidly permeable, sandy upland soils. They formed in thick sandy sediments of marine deposits. These soils are on broad nearly level to moderately sloping broad interfluves. Slopes are dominantly 2 to 5% but range from 0 to 12%. Mean annual air temperature is about 20° Celcius (C) (68° Fahrenheit [F]), and mean annual precipitation is about 1118 millimeter (mm) (44 inches [in]).

Boykin

The Boykin series consists of deep, well drained, moderately permeable soils that formed in sandy and loamy coastal plain sediments of Pleistocene age. These soils are on gently sloping to moderately steep uplands. Slopes range from 1 to 20%.

Briley

The Briley series consists of very deep, sandy, well drained, moderately permeable soils that formed in sandy and loamy coastal plain sediments. These soils are on gently sloping to moderately steep broad interfluves. Slopes are dominantly 2 to 5% but range from 1 to 20%. Mean annual air temperature is about 19°C (66°F), and mean annual precipitation is about 1118 mm (44 in).

Caddo

The Caddo series consists of very deep, poorly drained soils. These nearly level soils formed in fluviomarine deposits derived from the Intermediate Terraces Formation of Pleistocene age. Slopes range from 0 to 3%. Mean annual air temperature is about 19.5°C (67°F), and mean annual precipitation is about 1549 mm (61 in).

Cadeville

The Cadeville series consists of deep, moderately well drained, very slowly permeable soils that formed in clayey marine or stream sediments. These soils are on nearly level to steep coastal plain surfaces. Slopes range from 1 to 40%.

Cahaba

The Cahaba series consists of very deep, well drained, moderately permeable soils on nearly level to sloping large stream and river terraces in the lower part of the southern coastal plain. They formed in loamy and sandy alluvium. Near the type location, the average annual temperature is 65°F and the average annual precipitation is about 53 in. Slopes range from 0 to 12%.

Eastwood

The Eastwood series consists of deep, well drained, very slowly permeable soils. They formed in weakly consolidated marine deposits of silty clay loam texture. These soils are on gently sloping to moderately steep uplands. Slopes range from 1 to 20%.

Frizzell

The Frizzell series consists of deep, somewhat poorly drained, slowly permeable soils that formed in silty alluvium. These soils are on nearly level to very gently sloping terraces of mid-Pleistocene age. Slopes range from 0 to 3%.

Glenmora

The Glenmora series consists of very deep, moderately well drained, slowly permeable soils that formed in mixed fluvial sediment of mid-Pleistocene age. They are on terraces of broad stream divides. Slopes range from 1 to 5%.

Guyton

The Guyton series consists of very deep, poorly drained and very poorly drained, slowly permeable soils that formed in thick loamy sediments. These soils are on coastal plain local stream flood plains and in depressional areas on late Pleistocene age terraces. Slopes range from 0 to 1%.

Kisatchie

The Kisatchie series consists of moderately deep, well drained, very slowly permeable soils that formed clayey sediments over siltstone or sandstone on Tertiary age uplands. These soils are on moderately sloping to steep coastal plains. They are not saturated with water. Water runs off the surface at a moderate to rapid rate. Slopes range from 1 to 40%.

Oula

The Oula series consists of very deep, well drained, very slowly permeable soils that formed in acid clayey and loamy sediments on Tertiary age uplands. Slopes range from 5 to 30%.

Rayburn

The Rayburn series consists of deep, moderately well drained, very slowly permeable soils on uplands. These gently sloping to moderately steep soils formed from acid tuffaceous siltstones and sandstones. Slopes range from 1 to 20%.

Malbis

The Malbis series consists of very deep, moderately well or well drained, moderately slowly permeable soils on broad interfluves and uplands of the southern coastal plain. They formed in loamy sediments of the coastal plain. Near the type location, the mean annual temperature is about 67°F, and the mean annual precipitation is about 65 in. Slopes range from 0 to 12%.

Metcalf

The Metcalf series consists of deep, somewhat poorly drained, very slowly permeable soils that formed in Pleistocene age loamy marine or alluvial sediments over Tertiary age clayey deposits. These soils are on broad level, nearly level marine or stream terraces on the coastal plain. Slopes range from 0 to 2%.

Osier

The Osier series consists of very deep, poorly drained, rapidly permeable soils on flood plains or low stream terraces. They formed in sandy alluvium. Near the type location, the mean annual temperature is about 67°F, and the mean annual precipitation is about 46 in. Slopes range from 0 to 2%.

Pit

The Pit series consists of very deep, poorly drained soils that formed in fine-textured alluvium weathered from extrusive and basic igneous rocks. Pit soils are on flood plains and in basins. Slopes range from 0 to 5%. The mean annual precipitation is about 12 in and the mean annual air temperature is about 47°F.

Rigolette

The Rigolette series consists of very deep, somewhat poorly drained, very slowly permeable soils that formed in loamy sediments of Pleistocene Age over clayey sediments of Tertiary Age. These moderately sloping to moderately steep soils are on uplands of the southern coastal plain. Slopes range from 5 to 15%.

Ruston

The Ruston series consists of very deep, well drained, moderately permeable soils that formed in loamy marine or stream deposits. These soils are on uplands of the western and southern coastal plains. Slopes range from 0 to 8%.

Savannah

The Savannah series consists of very deep, moderately well drained, moderately slowly permeable soils on uplands and terraces in the southern coastal plain. They formed in loamy marine or fluvial terrace deposits. Near the type location, the average annual temperature is about 66°F and the average annual precipitation is about 54 in. Slopes range from 0 to 15%.

Sawyer

The Sawyer series consists of very deep, moderately well drained, slowly permeable soils that formed in loamy and clayey marine sediments of Tertiary age. These soils are on uplands of the western and southern coastal plains. Slopes are dominantly 1 to 8% but range to 25%.

Smithdale

The Smithdale series consists of very deep, well drained, moderately permeable soils on ridge tops and hill slopes in dissected uplands of the southern coastal plain and in the western coastal plain. They formed in thick beds of loamy marine sediments. Near the type location the average annual temperature is 50°F and the average annual precipitation is about 57 in. Slopes range from 1 to 60%.