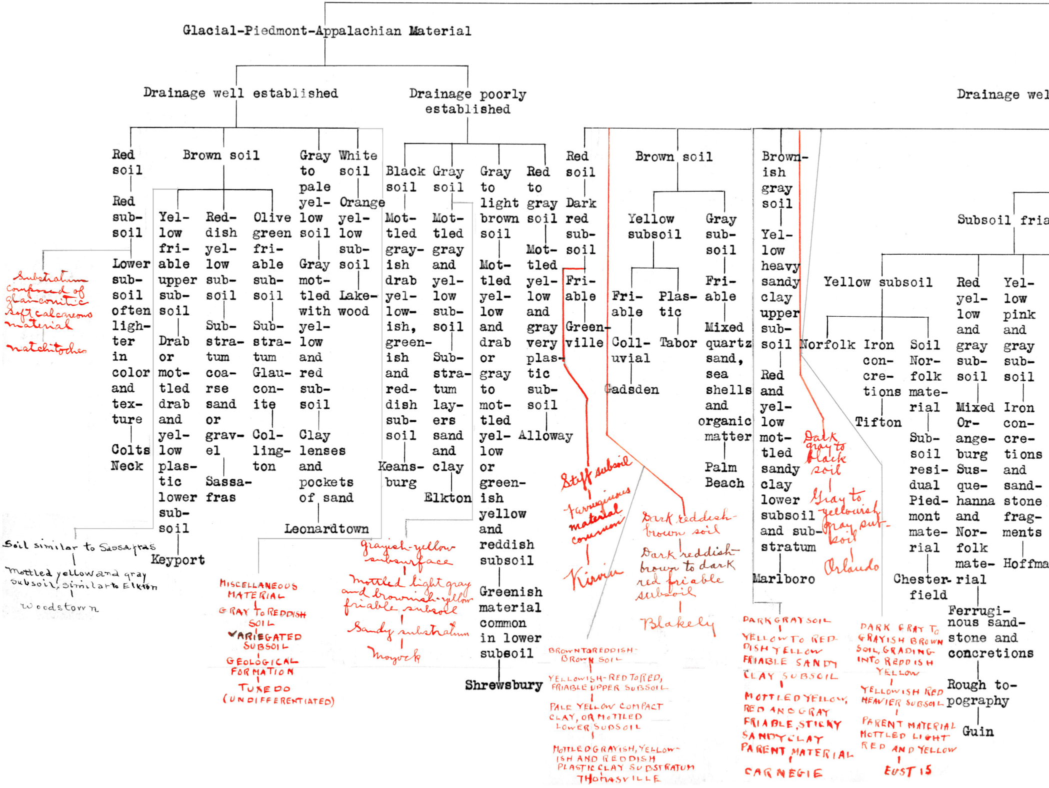
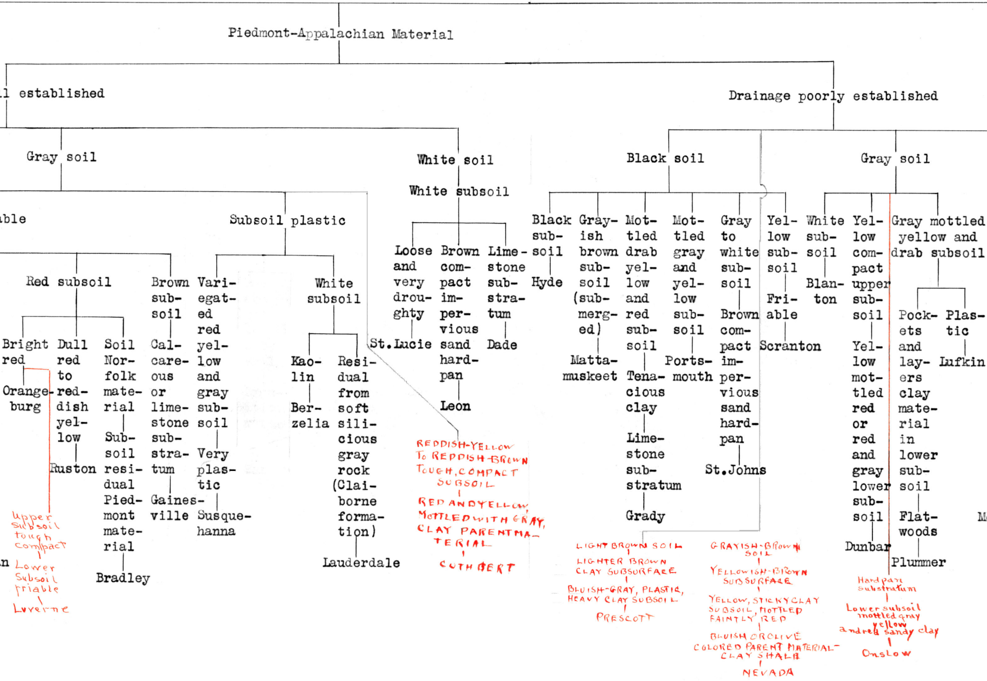
Revision of January, 1918.

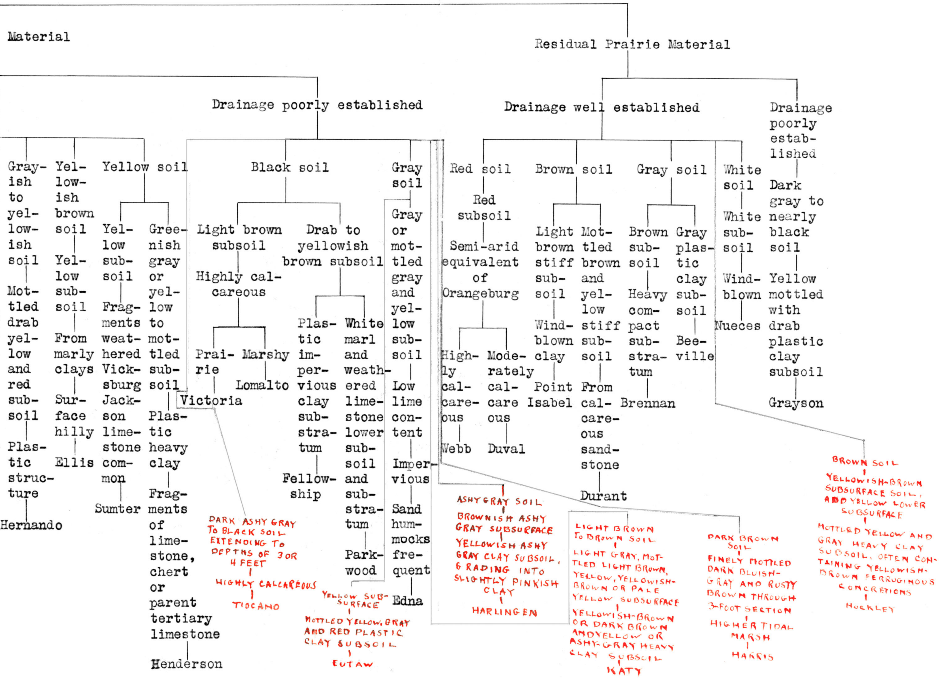

Glacial-Piedmont-Appalachian Material
Drainage well established
Red soil
Red subsoil
Lower subsoil often lighter in color and texture
Colts Neck
Substratum composed of glauconitic soft calcareous material
Natchitoches
Brown soil
Yellow friable upper subsoil
Drab or mottled drab and yellow plastic lower subsoil
Keyport
Soil similar to Sassafras
Mottled yellow and gray subsoil, similar to Elkton
Woodstown
Reddish yellow subsoil
Substratum coarse sand or gravel
Sassafras
Olive green friable subsoil
Substratum Glauconite
Collington
Gray to pale yellow soil
Gray mottled with yellow and red subsoil
Clay lenses and pockets of sand
Leonardtown
MISCELLANEOUS MATERIAL
GRAY TO REDDISH SOIL
VARIEGATED SUBSOIL
GEOLOGICAL FORMATION
TUXEDO (UNDIFFERENTIATED)
White soil
Orange yellow subsoil
Lakewood
Drainage poorly established
Black soil
Mottled grayish drab yellowish, greenish and reddish subsoil
Keansburg
Gray soil
Mottled gray and yellow subsoil
Substratum layers sand and clay
Elkton
grayish-yellow subsurface
mottled light gray and brownish-yellow friable subsoil
Sandy substratum
Moyock
Gray to light brown soil
Mottled yellow and drab or gray to mottled yellow or greenish yellow and reddish subsoil
Greenish material common in lower subsoil
Shrewsbury
Red to gray soil
Mottled yellow and gray very plastic subsoil
Alloway
Drainage wel
Red soil
Dark red subsoil
Friable
Greenville
Stiff subsoil
Ferruginous material common
Kirvin
Brown soil
Yellow subsoil
Friable
Colluvial
Gadsden
Plastic
Tabor
BROWN TO REDDISH-BROWN SOIL
YELLOWISH-RED TO RED, FRIABLE UPPER SUBSOIL
PALE YELLOW COMPACT CLAY, OR MOTTLED LOWER SUBSOIL
MOTTLED GRAYISH, YELLOWISH AND REDDISH PLASTIC CLAY SUBSTRATUM
THOMASVILLE
Dark reddish-brown soil
Dark reddish-brown to dark red friable subsoil
Blakely
Gray subsoil
Friable
Mixed quartz sand, sea shells and organic matter
Palm Beach
Brownish gray soil
Yellow heavy sandy clay upper subsoil
Red and yellow mottled sandy clay lower subsoil and substratum
Marlboro
DARK GRAY SOIL
YELLOW TO REDDISH YELLOW FRIABLE SANDY CLAY SUBSOIL
MOTTLED YELLOW, RED AND GRAY FRIABLE, STICKY SANDY CLAY PARENT MATERIAL
CARNEGIE
Dark gray to black soil
Gray to yellowish gray subsoil
Orlando
Subsoil fria
Yellow subsoil
Norfolk
Iron concretions
Tifton
Soil Norfolk material
Subsoil residual Piedmont material
Chesterfield
DARK GRAY TO GRAYISH BROWN SOIL, GRADING INTO REDDISH YELLOW
YELLOWISH RED HEAVIER SUBSOIL
PARENT MATERIAL MOTTLED LIGHT RED AND YELLOW
EUSTIS
Red yellow and gray subsoil
Mixed Orangeburg Susquehanna and Norfolk material
Ferruginous sandstone and concretions
Rough topography
Guin
Yellow pink and gray subsoil
Iron concretions and sandstone fragments
Hoffma

Key to the Soils of the Atlantic and Gul


Piedmont-Appalachian Material
l established
Drainage poorly established
Gray soil
White soil
White subsoil
Black soil
Gray soil
ble
Subsoil plastic
Red subsoil
Brown subsoil
Variegated red yellow and gray subsoil
White subsoil
Bright red
Dull red to reddish yellow
Soil Norfolk material
Calcareous or limestone substratum
Orangeburg
Ruston
Subsoil residual Piedmont material
Bradley
Gainesville
Very plastic
Susquehanna
Kaolin
Berzelia
Residual from soft siliceous gray rock (Claiborne formation)
Lauderdale
Upper Subsoil tough compact
Lower Subsoil friable
Luverne
n
Loose and very droughty
St. Lucie
Brown compact impervious sand hardpan
Leon
Limestone substratum
Dade
REDDISH-YELLOW To REDDISH-BROWN TOUGH, COMPACT SUBSOIL
RED AND YELLOW, MOTTLED WITH GRAY, CLAY PARENT MATERIAL
CUTHBERT
Black subsoil
Hyde
Grayish brown subsoil (submerged)
Mattamuskeet
Mottled drab yellow and red subsoil
Tenacious clay
Limestone substratum
Grady
Mottled gray and yellow subsoil
Portsmouth
Gray to white subsoil
Brown compact impervious sand hardpan
St. Johns
Yellow subsoil
Friable
Scranton
LIGHT BROWN SOIL
LIGHTER BROWN CLAY SUBSURFACE
BLUISH-GRAY, PLASTIC, HEAVY CLAY SUBSOIL
PRESCOTT
GRAYISH-BROWN SOIL
YELLOWISH-BROWN SUBSURFACE
YELLOW, STICKY CLAY SUBSOIL, MOTTLED FAINTLY RED
BLUISH OR OLIVE COLORED PARENT MATERIAL-CLAY SHALE
NEVADA
White subsoil
Blanton
Yellow compact upper subsoil
Yellow mottled red or red and gray lower subsoil
Dunbar
Hardpan substratum
Lower subsoil mottled gray yellow and red sandy clay
Onslow
Gray mottled yellow and drab subsoil
Pockets and layers clay material in lower subsoil
Flatwoods
Plummer
Plastic
Lufkin
M

f Coastal Plains Province.

- Gray to brown soil
  - Yellow mottled red and gray subsoil
    - Plastic
      - Surface hummocky
        - ontrose
- Dark gray soil
  - Mottled yellow drab and vermillion subsoil
    - Plastic
      - Coxville
  - Mottled yellow brownish and gray subsoil
    - Plastic clay
      - Bladen
- Loessial Material
  - Drainage well established
    - Brown soil
      - Greenish friable subsoil
        - Lime and iron concretions
          - Landry
      - Light brown sticky subsoil
        - Bienville
      - Mottled brown and yellow subsoil
        - Lime concretions
          - Acadia
    - Gray soil
      - Mottled yellow and red subsoil
        - Below 3 ft. white and brown
          - Lime and iron concretions
            - Monroe
        - From calcareous clays under Acadia and Crowley
          - Morse
      - Yellow, friable upper subsoil
        - Mottled yellow, red and gray lower subsoil
          - Bowie
  - Drainage poorly established
    - Black soil
      - Mottled subsoil
        - Iron and lime concretions
          - Lacasine
          - Sand hummocks
            - Lake Charles
    - Gray soil
      - Mottled gray and yellow subsoil
        - Below 30 in. red gray and yellow
          - Iron concretions
            - Prairie
              - Crowley
      - Mottled yellow brown and red subsoil
        - Sand hummocks
          - Caddo
      - Mottled yellow drab and brown subsoil
        - Hammond
      - Mottled yellow and gray deep subsoil stiff plastic
        - Lignitic clay substratum
          - Pheba
- Calcareous
  - Drainage well established
    - Black soil
      - Reddish brown to red subsoil
        - Substratum white calcareous material or impure limestone
          - Goliad
      - Light gray to light brown subsoil
        - Highly calcareous
          - Prairie
            - Houston
      - Mottled red and yellow subsoil
        - Susquehanna material mixed with black calcareous material
          - Prairie
            - Crockett
      - Mottled dark gray and drab subsoil
        - Houston and Lufkin material
          - Prairie
            - Wilson
    - Light brown soil
      - Grayish yellow calcareous subsoil
        - Probably Pleistocene
          - Karnes
      - Yellow and brown subsoil
        - Calcareous
          - Calcareous substratum (Houston chalk material)
            - Post-oak
              - Oktibbeha
      - Reddish subsoil
        - Highly calcareous
          - San Antonio
      - Gray subsoil
        - Highly calcareous marl
          - Rough topography
            - Lamar
      - Yellowish brown to drab calcareous subsoil
        - Semi-arid equivalent of Houston
          - Maverick



Material
Residual Prairie Material
Drainage poorly established
Drainage well established
Drainage poorly established
Grayish to yellowish soil
Mottled drab yellow and red subsoil
Plastic structure
Hernando
Yellowish brown soil
Yellow subsoil
From marly clays
Surface hilly
Ellis
Yellow soil
Yellow subsoil
Fragments weathered Vicksburg Jackson limestone common
Sumter
Greenish gray or yellow to mottled subsoil
Plastic heavy clay
Fragments of limestone, chert or parent tertiary limestone
Henderson
Black soil
Light brown subsoil
Highly calcareous
Prairie
Victoria
Marshy
Lomalto
Drab to yellowish brown subsoil
Plastic impervious clay substratum
Fellowship
White marl and weathered limestone lower subsoil and substratum
Parkwood
Gray soil
Gray or mottled gray and yellow subsoil
Low lime content
Impervious
Sand hummocks frequent
Edna
Red soil
Red subsoil
Semi-arid equivalent of Orangeburg
Highly calcareous
Webb
Moderately calcareous
Duval
Brown soil
Light brown stiff subsoil
Wind-blown clay
Point Isabel
Mottled brown and yellow stiff subsoil
From calcareous sandstone
Durant
Gray soil
Brown subsoil
Heavy compact substratum
Brennan
Gray plastic clay subsoil
Beeville
White soil
White subsoil
Wind-blown
Nueces
Dark gray to nearly black soil
Yellow mottled with drab plastic clay subsoil
Grayson
DARK ASHY GRAY TO BLACK SOIL EXTENDING TO DEPTHS OF 3 OR 4 FEET
HIGHLY CALCAREOUS
TIOCANO
YELLOW SUBSURFACE
MOTTLED YELLOW, GRAY AND RED PLASTIC CLAY SUBSOIL
EUTAW
ASHY GRAY SOIL
BROWNISH ASHY GRAY SUBSURFACE
YELLOWISH ASHY GRAY CLAY SUBSOIL, GRADING INTO SLIGHTLY PINKISH CLAY
HARLINGEN
LIGHT BROWN TO BROWN SOIL
LIGHT GRAY, MOTTLED LIGHT BROWN, YELLOW, YELLOWISH-BROWN OR PALE YELLOW SUBSURFACE
YELLOWISH-BROWN OR DARK BROWN AND YELLOW OR ASHY-GRAY HEAVY CLAY SUBSOIL
KATY
DARK BROWN SOIL
FINELY MOTTLED DARK BLUISH-GRAY AND RUSTY BROWN THROUGH 3-FOOT SECTION
HIGHER TIDAL MARSH
HARRIS
BROWN SOIL
YELLOWISH-BROWN SUBSURFACE SOIL, AND YELLOW LOWER SUBSURFACE
MOTTLED YELLOW AND GRAY HEAVY CLAY SUBSOIL, OFTEN CONTAINING YELLOWISH-BROWN FERRUGINOUS CONCRETIONS
HOCKLEY