

Dry Branch Formation (Barnwell Group)

[1564]

- 1. Eocene, late
- 2. Georgia (C)
- 3. Huddleston, P. F., and Hetrick, J. H., 1979, The stratigraphy of the Barnwell Group of Georgia: Georgia Geol. Survey Open File Rept. 80-1, p. 17-25, 71-73
- 4. Sand, calcareous sand, clay, montmorillonite clay
- 6. Range 9-54 m
- 7. Three distinct but interfingering and intergrading lithofacies recognized as formal members in some areas; fossiliferous
- 8. Twiggs Clay Member, Irwinton Sand Member, Griffins Landing Sand Member
- 9. Overlies Clinchfield Formation (Barnwell Group) or Tivola Limestone (Ocala Group); conformably underlies Tobacco Road Sand (Barnwell Group)

Dry Branch Formation (Barnwell Group)

2 of 2
[1564]

10. Type locality: Exposure along railroad cut at highway bridge where U.S. Highway 80 passes over Seaboard Coast Line, 3.7 km S of community of Dry Branch, Twiggs County, Ga.

Dry Branch Fm (new, f.p.)
(Barnwell Gp)

annot. *GWL* 1979
9.81

Huddlestun, P. F. and Hetrick, J. H., The Stratigraphy of
the Barnwell Group of Georgia: GA G.S. Open-file rept.

80-1 for GA Geol Soc Ann F.T. #14 (233)

p. 1-89, 8..location: (strat sec & geog area) Op2

17-25..here named for town on Bibb/Twiggs Co line;
type loc is on n. side of old kaolin haul road (p. 73) in

Twiggs Co; 9-54 m: thickness range

incl. 3 distinct but interfinger-intergrading

lithofacies: Griffins Landing Sand, Irwinton Sand, and
Twiggs Clay Mbrs

under: Tobacco Road Sand (U.Eoc)

over: Clinchfield Fm (U.Eoc)

U.Eoc

c. & e.GA

Dry Branch Fm [f.n.]
(Barnwell Gp)

1980

Buie, B. F., Kaolin deposits and the Cretaceous-Tertiary boundary in east-central Georgia: GSA [Gdbk] Ann Mtg, "Excursions in Southeastern Geology", v. II, R. W. Frey, ed, T. L. Neathery, F. T. chairman G(200)
p. 311-322 qG29gf
312(T.1)..named outcrops of Huddleston & Hetrick, '79

under: Tobacco Road Sand (U.Eoc)

over: Clinchfield Fm (U.Eoc)

locally interfingers: Tivola Ls (Ocala Gp)

incl. Irwinton Sand and Twiggs Clay Mbrs (interfingered)

U.Eoc

ec.GA

Dry Branch Fm [f.n.]

1983

Hetrick, J. H. and Friddell, M. S., A geologic study of the central Georgia Kaolin District--part III: GA G.S. Dept Nat Res, Environ Protection Div, Open-file Rept 83-1, pt. 3 (233)

p. 1-15 (see also P. F. Hudlestun, '81 in GA Op2 G.S. Open-file Rept 82-1)

Appendix A & B

A-2..G.G.S. Core 3511

B-2..Laurens County Core

under: Tobacco Road & Ocmulgee Fms (Tert)

over: Clinchfield Fm (Tert)

Laurens Co.

Tert

c.GA

Dry Branch Fm [another allocation] [f.n.]
(Jackson Gp)

1983

Smith, W. H., Kaolin deposits of c. GA..an introduction
to their origin and use: Whitehall Press-Budget
Publications, Sandersville, GA [monograph] 441(233)
p. 1-92 Sm68k

68(Table 3)..J. H. Hetrick and M. S. Friddell's
central GA stratigraphy, part I, 1982, GA G.S. Open-file
rept 83-1, 13 p.

under: Tobacco Road Sand (Eoc)

over: Clinchfield Fm (Eoc)

incl. Twiggs Clay (top), Irwinton Sand, and Tivola Ls
Mbrs

Eoc

c.GA

Dry Branch Fm [assigned]

1983

(Cooper Gp)

Colquhoun, D.J., Woollen, I.D., Van Nieuwenhuise, D.S.,
Padgett, G.G., Oldham, R.W., Boylan, D.C., Bishop, J.W.,
and Howell, P.D., Surface and subsurface stratigraphy,
structure and aquifers of the South Carolina Coastal
Plain: Rept to the Dept of Health & Environmental
Control, SC (Columbia)

p. 1-78, 71 (map 18)

6 (fig. 3)..schematic legend

G. Gohn has copy

(library - on order 1/26)

(Bartonian-Priabonian)

Eoc

e. SC

Dry Branch Fm (assigned in SC)
(Barnwell Gp)

1985

Kite, L.E., Stratigraphy of Peachtree Rock Preserve,
southern Lexington County, South Carolina: South
Carolina Geology, v. 29, no. 1 (232)
p. 1-8, fig. 1..geol map B

5-7..see Huddlestun and Hetrick, 1978, 1979; Nystrom
and Willoughby, 1982, for further descriptions and
characterizations of rock units

dull maroon, purple, gold fine- to medium-grained
sand, coarsens to pebble zone at base

under: Tobacco Road Sand (late Eoc)

over: unnamed clay and clayey sand (mid Eoc)

late Eocene

c SC

Dry Branch Fm (geog-strat ext, depos envir) [f.n.] 1985

Zullo, V. A. and Kite, L. E., Barnacles of the
Jacksonian (Upper Eocene) Griffins Landing Member, Dry
Branch Formation in South Carolina and Georgia: SC
Geology, v. 28, no. 1 (232)
p. 1-21 B

incl Griffins Landing Mbr which is here geographically
and stratigraphically extended to SC..on the basis of a
sandy biomicrudite found in 2 auger holes in Seivern 15'
quad, Aiken Co; fauna support a late Eoc age and reflect
a subtidal to inner shelf depositional environment

under: Tobacco Road Sand (late Eoc)

over: Huber Fm (Paleoc-mid. Eoc)

late Eoc (Jacksonian)

ec. GA, wc. SC

Dry Branch Fm (formally named, geog. extent)
(Barnwell Gp)

1985

Huddleston, P.F., and Hetrick, J.H., Upper Eocene
stratigraphy of central and eastern Georgia: GA G.S.
Bull 95

(233)

p. 1-78 [form. named in this paper though
annotated from OF 80-1]

G5

34..defined; 35-36 (figs. 20, 21)..type loc. (see also
append); 37..extends from Dooly Co., GA, to Lexington &
Orangeburg Cos., SC; incl. Twiggs Clay, Irwinton Sand, &
Griffins Landing Mbrs

under: Tobacco Road Sand (Barnwell Gp); over: Clinch-
field Fm (Barnwell Gp); interf: Ocala Gp, where Twiggs
Clay Mbr separates Ocmulgee Fm (top) from Tivola Ls

late Eoc (early Jacksonian)

GA, SC

Dry Branch Fm
(Barnwell Gp)

1985

Gorday, L. L., The hydrogeology of the Coastal Plain
strata of Richmond and Northern Burke Counties,
Georgia: GA G. S. Info Circ 61 (233)
p. 1-43..[5..this rept follows '83 Code] qG7ic
6 (fig. 4)..strat column
9..of Huddleston & Hetrick, 1979
incl. Twiggs Clay Mbr (lenses only in this area) and
Irwinton Sand Mbr that interfngrs w/ Griffins Landing Mbr
under: Tobacco Road Sand (Eoc)
over: Clinchfield Fm (Eoc)

(Jacksonian)

Eoc

ec GA

Dry Branch Fm (Mbr assigned)
(Barnwell Gp)

1986

Long, A.L., Quintus-Bosz, R.L., and Schrader, E.L.,
Stratigraphy and depositional environments of the Kaolin
belt in middle Georgia, in T.L. Neathery, ed: DNAG, GSA
Centennial Field Guide, vol. 6--SE section G(200)
p. 327-330 qG3sec

328 (fig. 3)..strat sec

329..in mid GA, Dry Branch incl:

Twiggs Clay Mbr (top)

Tivola Ls Mbr

under: Tobacco Road Sand

over: Clinchfield Sand

(Jacksonian)

late Eoc

c GA