

Otterdale Sandstone (in Newark Group)<sup>1</sup>

Upper Triassic: Eastern Virginia.

Original reference: N. S. Shaler and J. B. Woodworth, 1899, U.S. Geol. Survey 19th Ann. Rept., pt. 2, p. 435-436.

W. T. Parrott and R. S. Young, 1960, Virginia Acad. Sci. Geol. Field Trip, May 14, geol. map. Shown on map legend above Vinita sandstones and shales and below diabase dikes.

Well exposed north, south, and west of Otterdale, Chesterfield County.

Otterdale sandstones. (In Newark group.)

Upper Triassic: Eastern Virginia (Richmond Basin).

N. S. Shaler and J. B. Woodworth, 1899 (U. S. G. S. 19th Ann. Rept., pt. 2, pp. 435-436). *Otterdale sss. (Araucarioxylon beds)*.—Coarse sss., often feldspathic, with silicified trunks of *Araucarioxylon*. Thickness 500+ ft. Top div. of Chesterfield group, of Newark system. Overlies Vinita beds. Well developed N., S., and W. of Otterdale, Chesterfield Co.

Otterdale ss.

1963

(Newark gp.)

Milici, R. C., and others, (compilers), Geologic  
Map of Virginia (Scale 1:500,000)

Triassic

Virginia

Otterdale Ss.

1970

Dietrich, R. V., Geology and Virginia: Univ. Press,  
Charlottesville, Va. (monog.) 203(227)  
p. 1-213 D567g

175-few refs.

see USGS I-300 (map)

Newark Ser.  
Trias.

Va.

Otterdale Ss  
(Newark Supergp)

1978

Schaeffer, B. and McDonald, N.G., Redfieldiid fishes from the Triassic-Liassic Newark Supergroup of eastern North America: Am. Mus. Nat. Hist. B. v.159, art.4 p. 131-173

157(F.19)...location of major Newark basins

S(221)

158(F.20)...corr. chart

Am44

160-162

(M. Carnian)

Trias.

Richmond Basin, VA

Otterdale ss

1981

Goodwin, B. K., Some stratigraphic details of the  
Otterdale sandstone in the Richmond basin: VA Acad. Sci.  
J., v. 32, no. 3, Fall, new series, ABS. S(227)  
p. 127 V82j

over and interfingers: Vinita beds (U. Trias)

U. Trias

e.VA

Otterdale Ss  
(Tuckahoe Gp, Newark Supergp)

1982

Olsen, P. E., McCune, A. R., and Thompson, K. S.,  
Correlation of the early Mesozoic Newark Supergroup by  
vertebrates, principally fishes: Amer Jour Sci, v. 282,  
no. 1, Jan  
p. 1-44, 3-5(fig.2)

S(200)

Am48

Late Trias (Mid Carnian)

Richmond basin

VA

Otterdale Ss  
(Richmond Gp)

1986

Gore, P.J.W. [and others], Depositional framework of a Triassic rift basin: The Durham and Sanford sub-basins of the Deep River basin, North Carolina, in Textoris, D.A., ed: SEPM 3rd Ann. Midyr. Mtg, SE U.S. G(200)  
p. 55-115..Field Trip 3 Sol3ftg  
66-71..contrib by Alfred Traverse, "Palynology of the Deep River basin, NC"; 68 (fig. 8)..correl of Chatham Gp, Deep River basin, with Richmond and Taylorsville Gps of VA; nomenclature shown from Cornet (1977: Penn State Ph.D. thesis)

68..[Richmond Gp = Chesterfield Gp]

(Karnian)  
Late Trias

Richmond basin  
c. VA

Otterdale Fm [revised]  
(Newark Supergp)

GEON? 1990

Cornet, Bruce and Olsen, P. E.

VA Mus Nat Hist, Gdbk #1, 83p.

entered  
Apollo:  
ERM 9/91

602 (227)  
V 5739

see also: Tuckahoe Fm [revised] + Turkey Branch

see also: Ediger + others, in prep.

Fm [first  
noted]

Trias (Carnian)

Richmond basin  
VA