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Disclaimer: This Open-File Map is preliminary. It has been reviewed internally for conformity with the North Carolina Geological Survey editorial standards. Further revisions or corrections to this preliminary map may occur.

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GEOLOGIC MAP OF THE FARMVILLE 7.5-MINUTE QUADRANGLE, NORTHERN HALF, NORTH CAROLINA: INTERIM MAP SUBMITTED FOR NORTHEAST QUARTER QUAD DELIVERABLE

NORTH CAROLINA GEOLOGICAL SURVEY

OPEN FILE REPORT 2022-07

Newell, W.L., and Dejong, B., 2010, Cold climate slope deposits and landscape modifications of the mid-Atlantic Coastal Plain of eastern USA. Geological Society of London Special Publication 443. In press Oaks, R.Q., Jr. and J.R. Dubar, 1974, Introduction. In: R.Q. Oaks, Jr., and J.R. Dubar, Eds. Post-Miocene Stratigraphy Central and Southern Atlantic Coastal Plain, Utah State University Press, Logan, Utah, 275 pp. p. 2-8. Weems, R.E., Lewis, W.C., and Aleman-Gonzalez, W.B., 2009, Surficial geologic map of the Roanoke Rapids 30' x 60' quadrangle, North Carolina: U.S. Geological Survey, Open-File Report OF-2009-1149, scale 1:100000. Wehmiller, J.F., Thieler, E.R., Miller, D., Pellerito, V., Keeney, V.B., Riggs, S.R., Culver, S., Mallinson, D., Farrell, K.M., York, L.L., Pierson, J., Parham, P.R., 2010, Aminostratigraphy of surface and subsurface Quaternary sediments, North Carolina Coastal Plain, USA: Quaternary Geochronology, v. 5, p. 459-492. Wehmiller, J.F., Harris, W.B., Boutin, B.S., and Farrell, K.M., 2011, Calibration of amino acid racemization (AAR) kinetics

in U.S. Atlantic Coastal Plain Quaternary mollusks using 87/86 Sr analysis. Quaternary Geochronology, v. 7, February 2012,

p. 21-36.

Series	Subseries, Stages	Age (MA)	Alloformations and Extent				
			Virginia Coastal Plain Berquist, 2007, pers. comm. Revised after Mixon et al, 1989		Virginia Map Extent Geomorphic Features		
			Formations	Members	Elevation	n - Surface	Scarp Toe
Holocene					Ft	Meters	"Highstand"
Pleistocene	Late	0.12	Tabb Fm	Poquoson Mbr. Lynnhaven Mbr. Sedgefield Mbr.	6 -10 ft 10 -18 ft 18 -28 ft	1.8 - 3.3 m 3.3 - 5.5 m 5.5 - 8.5 m	10 ft/ 3.3 m 18 ft/ 5.5 m 28 ft/8.5 m
	e		Shirley Fm	J. J	28 - 48 ft	8.5 - 14.6 m	48 ft/14.6 m
	Middl	0.78	Chuckatuck Fm		48 - 55 ft	14.6 - 16.8 m	55 ft/16.8 m
	Early		Charles City Fm		55 - 70 ft	16.8 - 21.3 m	70 ft/21.3 m
			Windsor Fm		70 - 95 ft	21.3 - 29.0 m	95 ft/29.0 m
		1.80	Moorings Unit	barrier/beach backbarrier	95 - 125 ft 95? - 115 ft	29.0 - 38.1 m 29.0? - 35.0 m	115 ft/35 m 115 ft/35 m
Pliocene			Bacons Castle Fm	Barhamsville Varina Grove	115 - 170 ft	35.0 - 51.8 m	170 ft/51.8 m
			Chowan River Fm				