In the four quad area, coastal landforms are preserved geomorphically between elevations of 26 and 34 meters. The toe of the Surry paleoshoreface is at about 28 m; here is considered draft only.

Digitized starting with the Holocene depositional system and working backward in time into older landscapes. Key transects cross cutting the Surry paleoshoreline

The Coastal Plain, a relict, Plio-Pleistocene landscape (Fig. 1B), consists of a series of progressively younger scarps, or paleoshorelines, and intervening terraces that

Crops (Fig. 1A). In recent SM areas (FY10-19), the Pliocene Yorktown Formation is supposedly the principal subcrop (NCGS, 1985); this unit is affiliated with a

and the new subsurface data necessary to define units and map this region is expensive. Except for recent STATEMAP (SM) deliverables, detailed geologic maps at

Location and Geologic Setting

settings; younger terraces and alluvium occur in incised valleys.

Coastal Plain Geomorphology

Daniels and others, 1984

NCGS/USGS/ECU Coastal Cooperative Rotosonic Cores

Cretaceous Peedee Fm

Kc

Kmburg

Tpy

Qp

Suffolk

Pliocene or Early Pleistocene? Waccamaw Fm

Oligocene - Belgrade Fm

Neuse R.

30 - 35 ft (9.1 - 10.7 m)

34

• Coring the lower river terraces (5-10 meters) showed that the stratigraphy in the Tar River incised valley is very thin (2-5 m thick) and consists of Pleistocene

• The project deliverable is a PDF of the northwest quadrant of Falkland Quadrangle (1/4 quadrangle). This new map area is continuous with previous STATEMAP areas

REFERENCE

GEOLOGIC MAP WITH GEOMORPHIC LANDSCAPE ELEMENTS OF THE FALKLAND 7.5 MINUTE QUADRANGLE, NORTHWEST QUADRANT, NORTH CAROLINA