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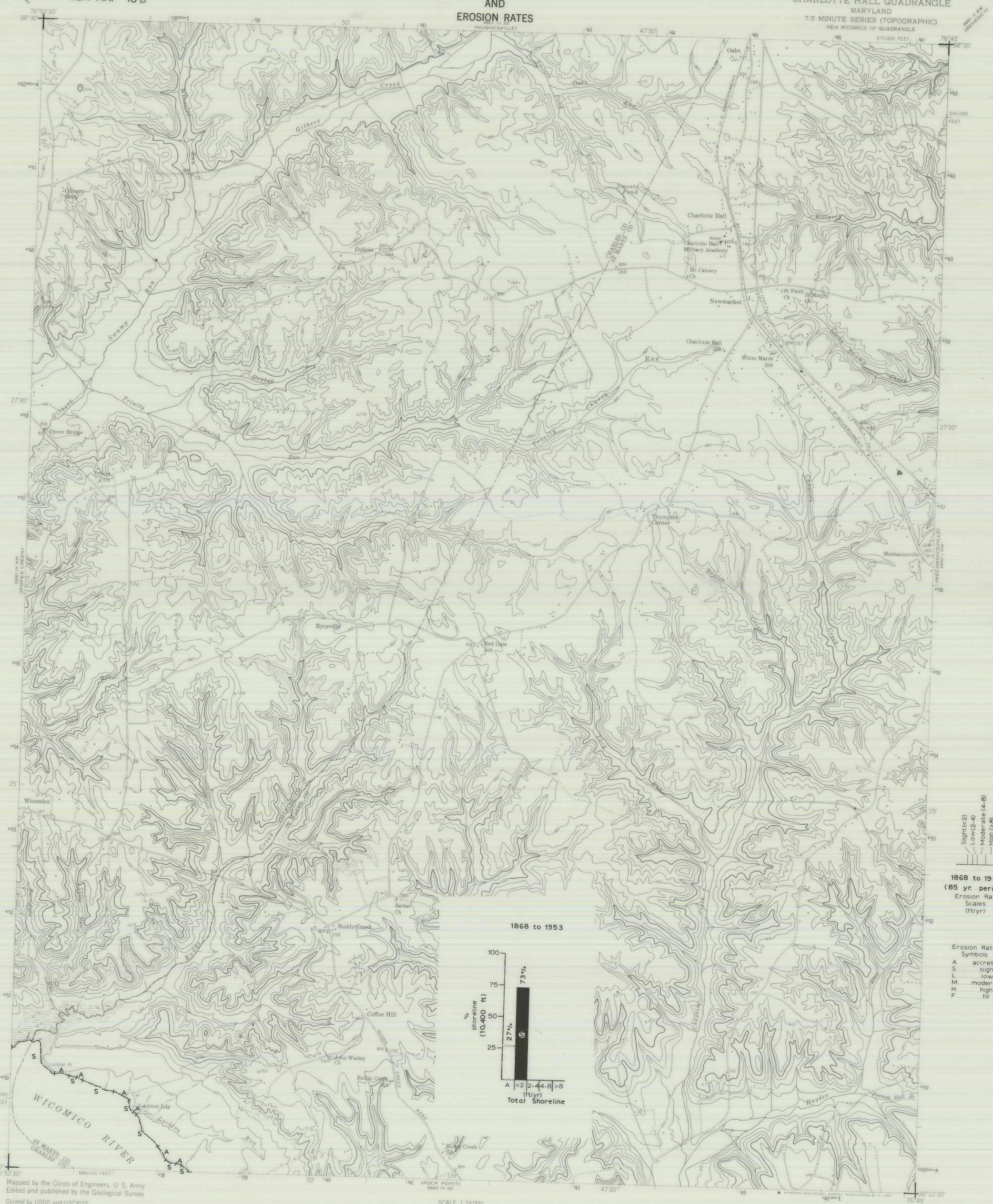
HISTORICAL SHORELINES AND EROSION RATES

CHARLOTTE HALL QUADRANGLE
MARYLAND
7.5 MINUTE SERIES (TOPOGRAPHIC)
NE/4 WICOMICO 15' QUADRANGLE



Mapped by the Corps of Engineers, U. S. Army
Edited and published by the Geological Survey

Control by USGS and USC&GS

Culture and drainage in part compiled from aerial photographs
Topography by plane-table surveys 1943
Culture revised by the Geological Survey 1953

Map prepared by Maryland Geological Survey with funds from National Oceanographic Atmospheric Administration (NOAA) made available through Department of Natural Resources Coastal Zone Management Program

Compiled by Robert D. Conkwright, 1975
Basic data from M.G.S. Bulletin 6

UTM GRID AND 1953 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

Erosion Rate Graphs

Histograms indicate prevalent erosion rate categories for different shoreline areas.

1868 SHORELINE — — —
BASE MAP SHORELINE 1953

MARYLAND
QUADRANGLE LOCATION

Erosion Rates

Exact erosion rates can be calculated by dividing the distance between shorelines by the difference in their dates. Erosion rate categories can be estimated by using the Erosion Rate Scale in the right-hand margin. Place the left-hand line of the scale against the earliest shoreline and read the name of the erosion rate category.

CHARLOTTE HALL, MD.
NE/4 WICOMICO 15' QUADRANGLE
N3822.5—W7645/7.5

1953

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