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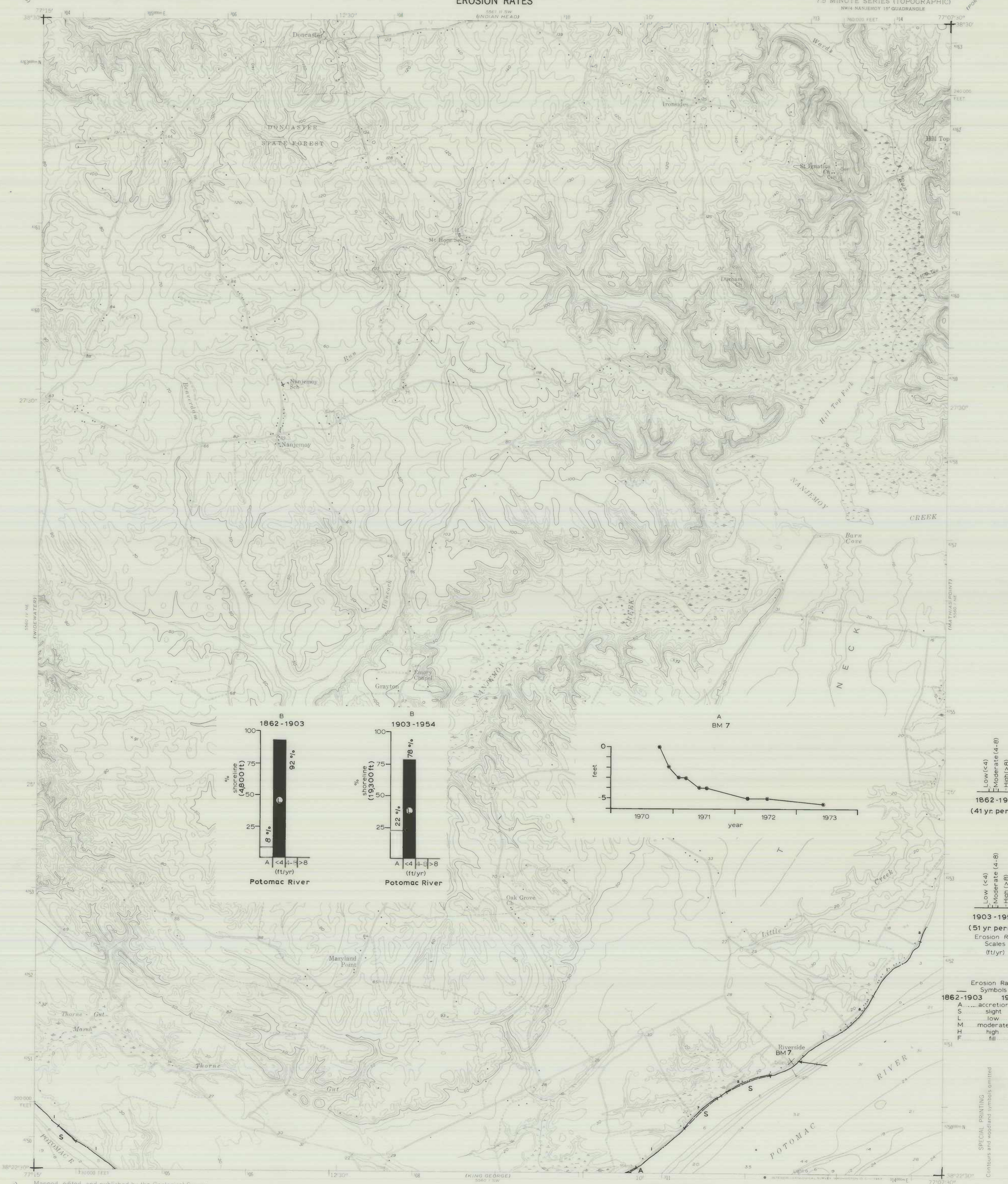
HISTORICAL SHORELINES AND EROSION RATES

CZM MAP 7B

NANJEMOY QUADRANGLE
MARYLAND—CHARLES CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NW/4 NANJEMOY 15' QUADRANGLE



Mapped, edited, and published by the Geological Survey

Control by USGS, USC&GS, and USCE

Topography from aerial photographs by Wild A8
Aerial photographs taken 1952. Field check 1954

Hydrography from USC&GS chart 559 dated 1907 and 1935

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

MN GN
7° 124 MILS
1°22' 24 MILS
UTM GRID AND 1954 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOW WATER
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS 1.0 FEET

1862 SHORELINE - - - - -
1903 SHORELINE —·—·—
BASE MAP SHORELINE 1954

MARYLAND
QUADRANGLE LOCATION

Erosion Rate Graphs

A. Line graphs represent a measured rate of erosion for specific points along the shoreline.

B. Histograms indicate prevalent erosion rate categories for different shoreline areas.

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.

NANJEMOY, MD.
NW/4 NANJEMOY 15' QUADRANGLE
N3822.5—W7707.5/7.5

1954

AMS 5560 I NW—SERIES V833