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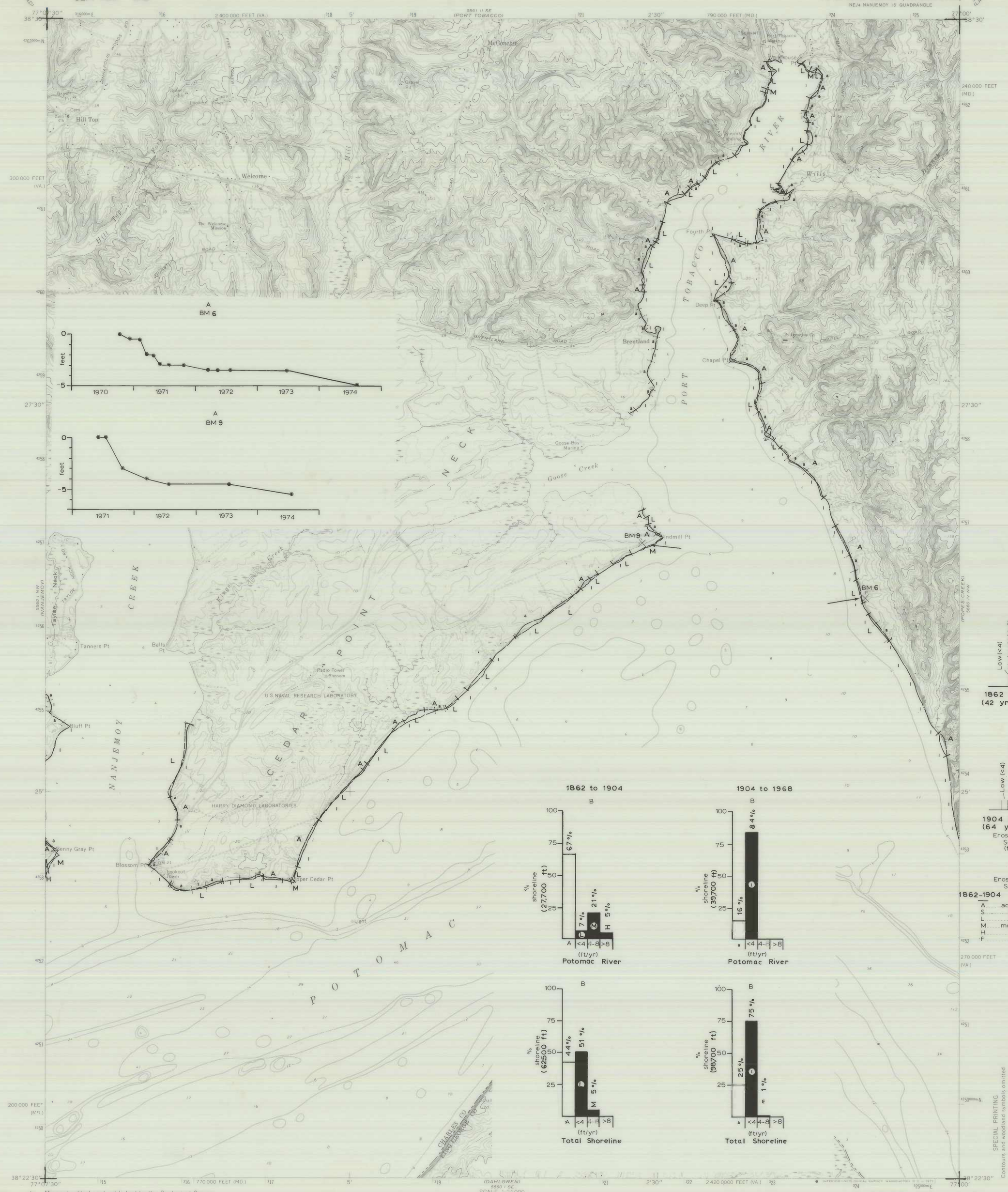
HISTORICAL SHORELINES AND EROSION RATES

CZM MAP 8 B

MATHIAS POINT QUADRANGLE
MARYLAND – VIRGINIA
7.5 MINUTE SERIES (TOPOGRAPHIC)
NE/4 NANJEMOY 15' QUADRANGLE



Mapped, edited, and published by the Geological Survey in cooperation with Commonwealth of Virginia agencies

Control by USGS, USC&GS, and USCE

Topography by photogrammetric methods from aerial photographs taken 1967 Field checked 1968 Supersedes map dated 1954

Selected hydrographic data compiled from USC&GS Chart 559 (1968)
This information is not intended for navigational purposes

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 1968 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

CONTOUR INTERVAL 10 FEET
DOTTED LINES REPRESENT 5-FOOT CONTOURS
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 APPROXIMATELY 1.2 FEET

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.

1862 SHORELINE — — —
1904 SHORELINE —·—·—·-
BASE MAP SHORELINE 1968

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.

MATHIAS POINT, MD.–VA.
NE/4 NANJEMOY 15' QUADRANGLE
N3822.5—W7700/7.5

1968

AMS 5560 I NE–SERIES V833