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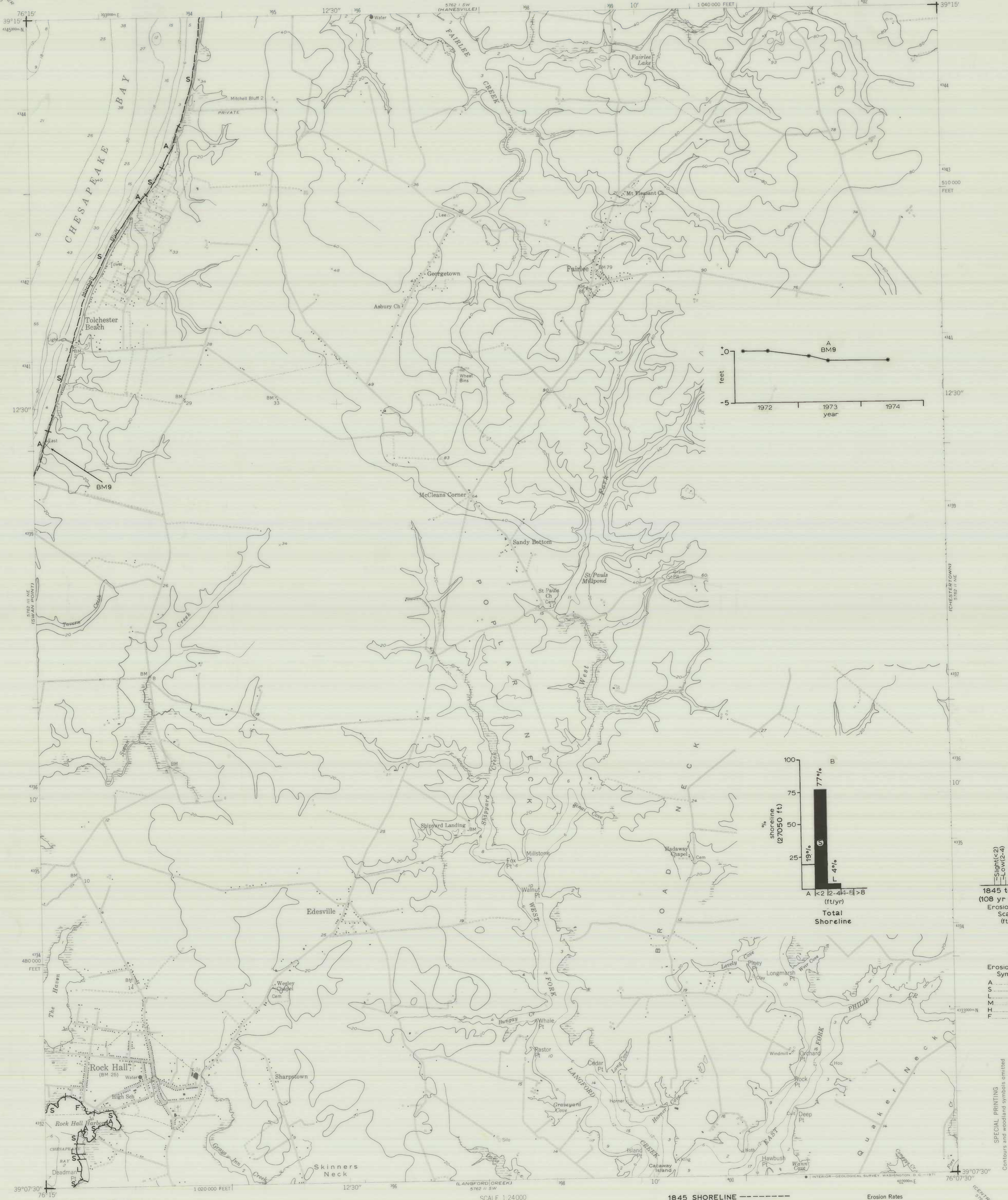
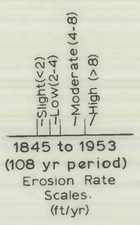
HISTORICAL SHORELINES AND EROSION RATES

CZM MAP 51 B

ROCK HALL QUADRANGLE
MARYLAND—KENT CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NW/4 CHESTERTOWN 15' QUADRANGLE





Erosion Rate Symbols
A ..... accretion
S ..... slight
L ..... low
M ..... moderate
H ..... high
F ..... fill

SPECIAL PRINTING
Contours and woodland symbols omitted

Mapped by the Army Map Service
Edited and published by the Geological Survey

Control by USGS, USC&GS, and USCE

Culture and drainage in part compiled from aerial photographs. Topography by plane table surveys
Culture revised by the Geological Survey 1953
Hydrography from USC&GS charts 548 and 549, dated 1944

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
7½° 133 MILS
0°45' 13 MILS
UTM GRID AND 1953 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

1 ½ 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 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 1.5 FEET IN THE CHESAPEAKE BAY AND 1.2 FEET IN LANGFORD CREEK

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.

1845 SHORELINE --------
BASE MAP SHORLINE 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.

ROCK HALL, MD.
NW/4 CHESTERTOWN 15' QUADRANGLE
N3907.5—W7607.5/7.5

1953

AMS 5762 II NW—SERIES V833

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—1971