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HISTORICAL SHORELINES

CZM MAP 30A

ANNAPOLIS QUADRANGLE
MARYLAND
7.5 MINUTE SERIES (TOPOGRAPHIC)
NW/4 ANNAPOLIS 15' QUADRANGLE

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

Control by USGS and USC&GS

Culture and drainage in part compiled from aerial photographs taken 1938 and 1942. Topography by planetable surveys 1944
Culture revised by the Geological Survey by photogrammetric methods from aerial photographs taken 1955. Field check 1957

Hydrography compiled from USC&GS charts 550 (1951) and

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°54' 16 MILS
UTM GRID AND 1970 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 APPROXIMATELY 0.9 FEET

1847 SHORELINE - - - - - - - -
1934 SHORELINE —·—·—·—
BASE MAP SHORELINE 1970

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.

ANNAPOLIS, MD.
NW/4 ANNAPOLIS 15' QUADRANGLE
N3852.5—W7622.5/7.5

1957
PHOTOREVISED 1970
AMS 5761 IV NW—SERIES V833

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