PLAN HOLD
PEEL PROTECTIVE STRIP TO EXPOSE ADHESIVE. POSITION EDGE OF PRINT ON THIS LINE AND RUB TO ADHERE.
DRAWING NUMBER
CZM 34 A
SPARROWS Point
PLAN HOLD CORPORATION IRVINE CALIFORNIA
REORDER BY NO. 070SA 24

HISTORICAL SHORELINES

CZM MAP 34 A

SPARROWS POINT QUADRANGLE
MARYLAND
7.5 MINUTE SERIES (TOPOGRAPHIC)
NW/4 NORTH POINT 15' QUADRANGLE

Slight (<2)
Low (2-4)
Moderate (4-8)
High (>8)
1846 to 1934
(88 yr period)

Low (<4)
Moderate (4-8)
High (>8)
1934 to 1944
(10 yr period)

Erosion Rate Scales (ft/yr)

Mapped by the Army Map Service
Published for civil use by the Geological Survey

Control by USC&GS

Topography from aerial photographs by photogrammetric methods and by planetable surveys 1944. Aerial photographs taken 1938 and 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

8° MAGNETIC NORTH TRUE NORTH
APPROXIMATE MEAN DECLINATION, 1944

SCALE 1:24 000

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 1 FOOT

1846 SHORELINE
1934 SHORELINE
BASE MAP SHORELINE 1944

MARYLAND
QUADRANGLE LOCATION

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1962
MR-1959

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.

SPARROWS POINT, MD.
NW/4 NORTH POINT 15' QUADRANGLE
N3907.5—W7622.5/7.5

1944