PLAN HOLD

PEEL PROTECTIVE STRIP TO EXPOSE ADHESIVE POSITION EDGE OF PRINT ON THIS LINE AND RUB TO ADHERE

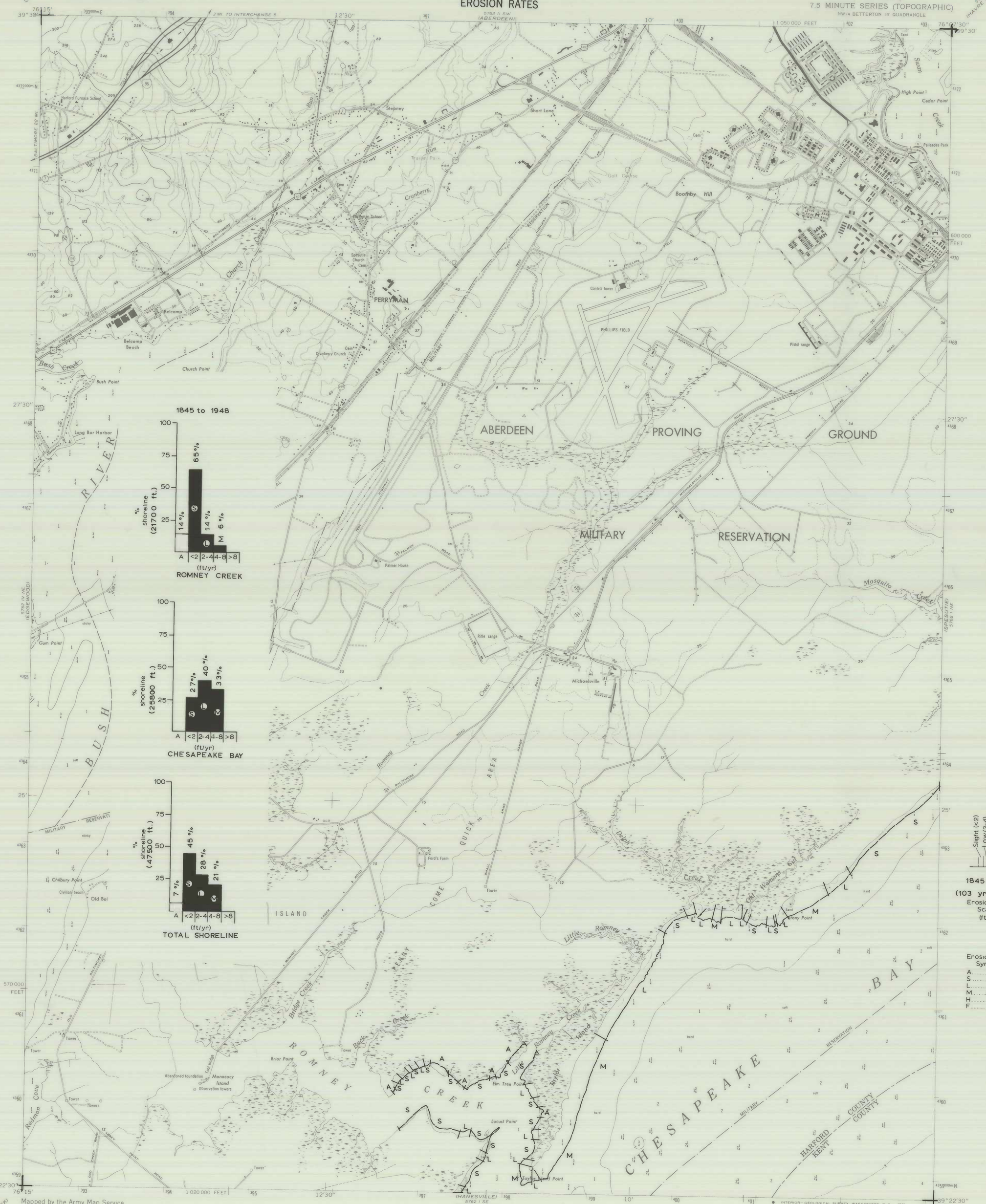
DRAWING NUMBER
CZM 41B
PerryMAN

PLAN HOLD CORPORATION IRVINE CALIFORNIA
REORDER BY NO. 070SA-24

CZM MAP 41B

HISTORICAL SHORELINES AND EROSION RATES

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



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

Control by USC&GS

Planimetry by photogrammetric methods from aerial photographs taken 1943. Topography by planetable surveys 1944. Culture revised from aerial photographs taken 1947
Field checked 1948

Selected hydrographic data compiled from USC&GS Chart 572 (1947)
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

MN GN
8½° 151 MILS
0°45' 13 MILS
UTM GRID AND 1970 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000
1 MILE
7000 FEET
1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

DEPTH CURVES AND SOUNDINGS IN FATHOMS—DATUM IS MEAN LOW WATER
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 2 FEET

Erosion Rate Graphs

Histograms indicate prevalent erosion rate categories for different shoreline areas.

1845 SHORELINE - - - - - - -
BASE MAP SHORELINE 1948

MARYLAND
QUADRANGLE LOCATION

Revisions shown in purple compiled from aerial photographs taken 1970. This information not field checked

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

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.

PERRYMAN, MD.
NW/4 BETTERTON 15' QUADRANGLE
N3922.5—W7607.5/7.5

1948
PHOTOREVISED 1970
AMS 5762 I NW—SERIES V833