

DELAWARE, NEW JERSEY, & PENNSYLVANIA
SHORELINE TYPES

1	ROCKY HEADLANDS (NOT PRESENT)
2	ERODING BLUFFS
3	FINE-SAND BEACHES
4	MEDIUM- TO COARSE-SAND BEACHES
5	MIXED SAND AND GRAVEL BEACHES
6	GRAVEL BEACHES
6A	RIPRAP (BOULDER) STRUCTURES
6B	EXPOSED TIDAL FLATS (SANDY)
7	RIVERINE BANKS WITH GRASSES OR TREES
8	SHELTERED TIDAL FLATS
9	MARSHES OR WETLANDS
10	HARBOR STRUCTURES (PIERS, SEAWALLS, ETC.)

BIOLOGICAL FEATURES

BIRDS	SHELLFISH	FISH
GULLS OR TERNS	CLAMS	MARINE
WADING BIRDS	OYSTERS	RIVERINE AND ANADROMOUS
SHOREBIRDS	CRABS	LOBSTERS
WATERFOWL	LOBSTERS	FLATFISH

KEY TO WILDLIFE MARKERS

COLOR CODED = TYPES OF ORGANISMS
 RANGE → POINT LOCALITY
 DOTS = SEASONALITY (SUMMER 12/21, FALL 12/21, WINTER 12/21)
 SYMBOL = ECOLOGICAL TYPE
 NUMBER = SPECIES (from regional lists)

SOCIOECONOMIC FEATURES

MARINAS AND YACHT CLUBS	PARKS, RECREATIONAL AREAS AND WILDLIFE REFUGES
BOAT RAMPS	

SPILL-RESPONSE FEATURES

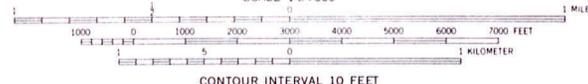
BOOMS	OPEN-WATER SKIMMERS
-------	---------------------

ADJOINS MAP #22

ADJOINS MAP #24

Mapped, edited, and published by the Geological Survey
Control by USGS, USC&GS, and New Jersey Geodetic Survey

rpi inc.
Research Planning Institute, Inc.
925 Gervais Street
Columbia, South Carolina, USA 29201
(803) 256-7322



CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOW WATER
SHORELINE SHOWS REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 5.7 FEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ESI MAP #23

BRIDGEPORT, N.J. — PA.
SE/A CHESTER 15 QUADRANGLE
N3945—W7515/7.5

1967
AMS 5963 IV SE—SERIES V822

Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs. This information is un-checked
Red tint indicates areas in which only landmark buildings are shown