



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
6A	GRAVEL BEACHES
6B	RIPRAP (BOULDER) STRUCTURES
7	EXPOSED TIDAL FLATS (SANDY)
8	RIVERINE BANKS WITH GRASSES OR TREES
9	SHELTERED TIDAL FLATS
10	MARSHES OR WETLANDS
(UNRANKED)	HARBOR STRUCTURES (PIERS, SEAWALLS, ETC.)

BIOLOGICAL FEATURES

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

KEY TO WILDLIFE MARKERS

COLOR CODED = TYPES OF ORGANISMS
 POINT LOCALITY
 DOTS = SEASONALITY (SPRING, SUMMER, FALL, WINTER)
 SYMBOL = ECOLOGICAL TYPE
 16 = NUMBER OF SPECIES (FROM REGIONAL LIST)

SOCIOECONOMIC FEATURES

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

SPILL-RESPONSE FEATURES

BOOMS	OPEN WATER SKIMMERS
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ADJOINS MAP #30

SEE MAP #24 FOR SPECIES

Mapped by the Army Map Service
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Revisions shown in purple compiled by the Geological Survey from aerial photographs taken 1970. This information not field checked.
Purple tint indicates extension of urban areas



CONTOUR INTERVAL 10 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 6.3 FEET

FOR SALE BY U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ESI MAP #31

TRENTON EAST, N.J.-PA
NW 4 BORDENTOWN 15' QUADRANGLE
N4007.5 - W7437.5/7.5

1957
PHOTOREVISED 1970
AMS 6064 II NW-SERIES V822