



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 |
| ● SHOREBIRDS | ● CRABS | ● AQUACULTURE |
| ● WATERFOWL | ● LOBSTERS | ● FLATFISH |

- KEY TO WILDLIFE MARKERS
- COLOR CODED - TYPES OF ORGANISMS
- RANGE
- POINT LOCALITY
- DOT = SEASONALITY
- SPRING
- FALL
- WINTER
- 16
- NUMBER = SPECIES (from regional lists)

- SOCIOECONOMIC FEATURES
- MARINAS AND YACHT CLUBS
- BOAT RAMPS
- PARKS, RECREATIONAL AREAS, AND WILDLIFE REFUGES
- SPILL-RESPONSE FEATURES
- BOOMS
- OPEN-WATER SKIMMERS

COMMON IN NEARSHORE ZONE

- 88 108 104
- 148 97 65,110
- 151 121 150 153 145

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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.

SCALE 1:24,000

CONTOUR INTERVAL 20 FEET
DATUM TO MEAN SEA LEVEL

DEPTH CURVES AND SOUNDINGS IN FEET-DATUM IS MEAN LOW-WATER

SHORELINE SOUNDINGS IN FEET-DATUM IS MEAN HIGH-WATER

THE MEAN RANGE OF TIDE IS 4.5 FEET ALONG THE SHORE

THIS MAP COMPLETES 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

ADJOINS MAP #58

ESI MAP
#59

LONG BRANCH, N. J.
14015 W 735817 5x9 5
PHOTOGRAPHED 1970
AMS 6164 1 SE SERIES 9822