



SEE MAP #24
FOR SPECIES*

***SPECIES GROUP FROM MAP #24
DISTRIBUTED THROUGHOUT AREA**

**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 (MAY) SUMMER (JULY) FALL (OCTOBER) WINTER (DECEMBER)

16 = NUMBER OF 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
--	-------	--	---------------------

Mapped by the Defense Mapping Agency
Edited and published by the Geological Survey
Control by NOS/NOAA, USCE, and New Jersey Geodetic Survey
Topography by photogrammetric methods from aerial photographs
taken 1942. Field checked 1943.
Culture revised by the Geological Survey 1955

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

SCALE 1:24,000

CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
DEPTH CURVES AND SOUNDINGS IN FEET-DATUM IS MEAN LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS 5.9 FEET

FOR SALE BY U.S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ESI MAP #29

BRISTOL, PA.-N.J.
N4000-W7445/7.5

1955
PHOTOREVISED 1981
DMA 6064 III SE-SERIES V822

Revisions shown in purple compiled by the Geological Survey
from aerial photographs taken 1976 and other source data
This information not field checked. Map edited 1981
Purple tint indicates extension of urban areas