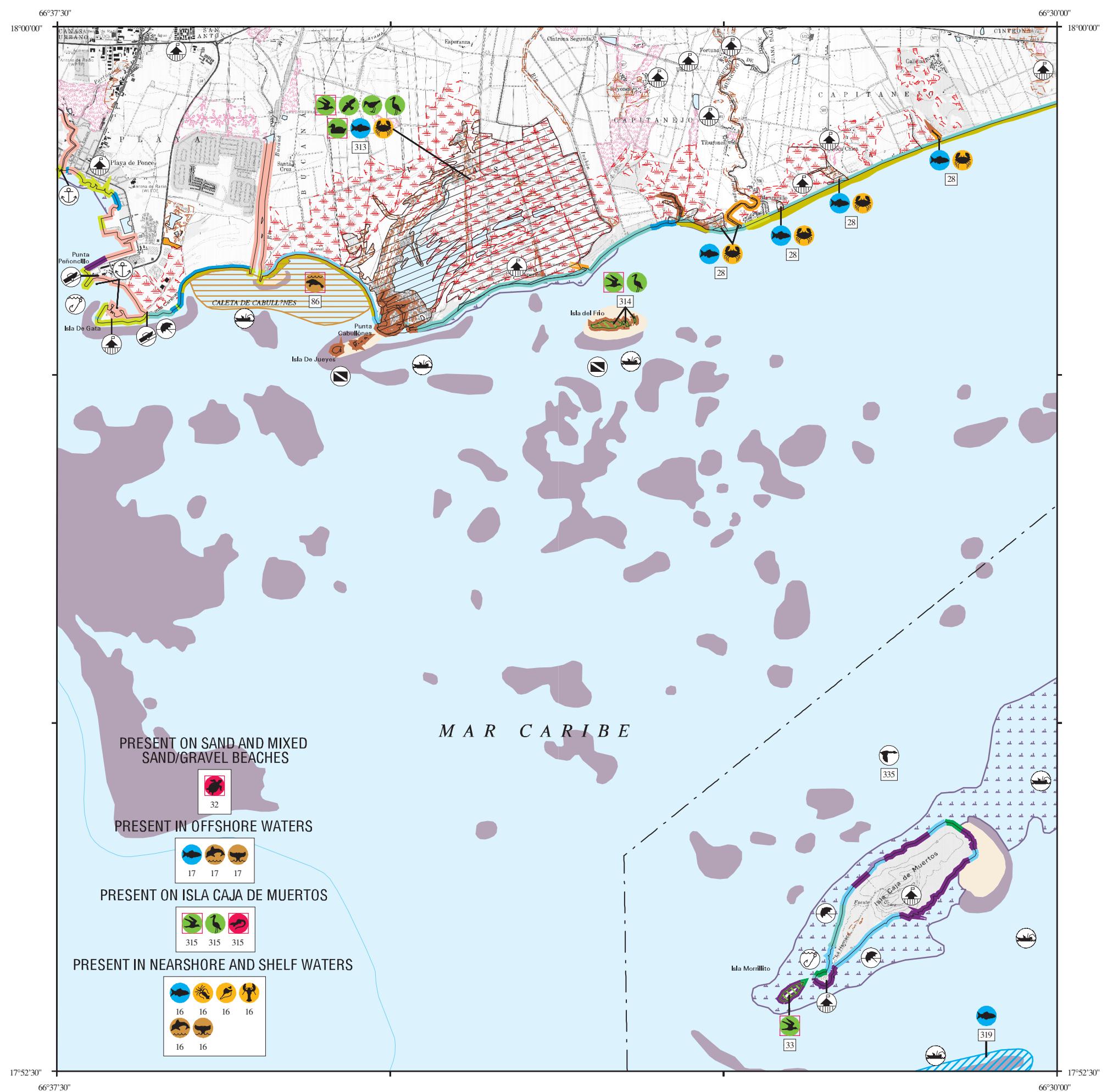


ENVIRONMENTAL SENSITIVITY INDEX MAP



SHORELINE HABITATS (ESD)

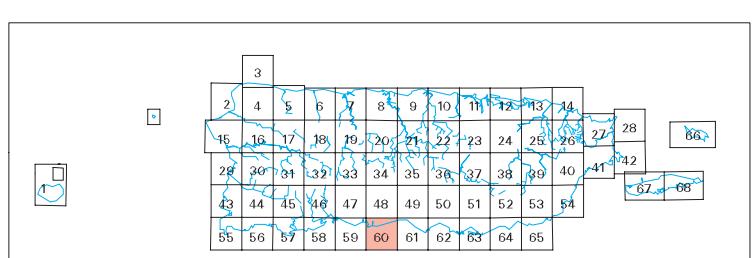
- SHORELINE HABITATS (ESI)**

 - 1A EXPOSED ROCKY CLIFFS
 - 1B EXPOSED, SOLID MAN-MADE STRUCTURES
 - 2A EXPOSED WAVE-CUT PLATFORMS IN BEDROCK
 - 2B SCARPS AND STEEP SLOPES IN MUDDY SEDIMENTS
 - 3A FINE- TO MEDIUM-GRAINED SAND BEACHES
 - 3B COARSE-GRAINED SAND BEACHES
 - 5 MIXED SAND AND GRAVEL BEACHES
 - 6A GRAVEL BEACHES
 - 6B RIPRAP
 - 7 EXPOSED TIDAL FLATS
 - 8A SHELTERED ROCKY SHORES
 - 8B SHELTERED, SOLID MAN-MADE STRUCTURES
 - 9A SHELTERED TIDAL FLATS
 - 9B SHELTERED VEGETATED LOW BANKS
 -  10D MANGROVES
 -  SALT- AND BRACKISH-WATER MARSHES
 -  FRESHWATER MARSHES
 -  FRESHWATER SWAMPS
 -  FRESHWATER SCRUB/SHRUB

STREAM REACHES (DSR)

- STREAM REACHES (RSI)**

 - 1 QUIET POOL; LOW-SENSITIVE BANKS
 - 2 STRAIGHT CHANNEL WITH CURRENTS;
LOW-SENSITIVE BANKS (MUD DOMINANT)
 - 3 MEANDERING CHANNEL; SAND POINT BARS
 - 4 MEANDERING CHANNEL; VEGETATED POINT BARS
 - 5 RAPIDS OVER BEDROCK
 - 6 MEANDERING CHANNEL; SAND AND GRAVEL
POINT BARS
 - 7 SPLIT CHANNEL WITH COARSE GRAVEL;
SOME RAPIDS
 - 8 SMALL FALLS; BOULDERS IN CHANNEL
 - 9 LARGE FALLS; BOULDERS IN CHANNEL
 - 10 CHANNELS WITH ASSOCIATED VULNERABLE WETLANDS
 - KARST



Not For Navigation
Published: May 2000

Published at Seattle, Washington
National Oceanic and Atmospheric Administration
National Ocean Service
Office of Response and Restoration
Hazardous Materials Response Division

E PLAYA DE PONCE, P.R. (1982)

PR-60

PUERTO RICO - ESIMAP 60

BIOLOGICAL RESOURCES:

BIRD:

RAR# Species	S/F T/E Conc.	J F M A M J J A S O N D Nesting
33 Brown pelican	S/F E/E	X X X X X X X X X X X X X X JAN-DEC
313 American coot	HIGH	X X X X X X X X X X X X X X -
Blue-winged teal	HIGH	X X X X X X X X X X X X X X -
Brown pelican	S/F E/E HIGH	X X X X X X X X X X X X X X -
Caribbean coot	S T HIGH	X X X X X X X X X X X X X X -
Clapper rail	HIGH	X X X X X X X X X X X X X X -
Common moorhen	HIGH	X X X X X X X X X X X X X X -
Common snipe	HIGH	X X X X X X X X X X X X X X -
Green-winged teal	HIGH	X X X X X X X X X X X X X X -
Lesser scaup	HIGH	X X X X X X X X X X X X X X -
Merlin		X X X X X X X X X X X X X X -
Osprey		X X X X X X X X X X X X X X -
Ring-necked duck	HIGH	X X X X X X X X X X X X X X -
Sora	HIGH	X X X X X X X X X X X X X X -
Wading birds	HIGH	X X X X X X X X X X X X X X -
Waterfowl	HIGH	X X X X X X X X X X X X X X -
White-cheeked pintail	MEDIUM	X X X X X X X X X X X X X X -
314 Brown pelican	S/F E/E	X X X X X X X X X X X X X X -
Wading birds		X X X X X X X X X X X X X X -
315 Brown booby		X X X X X X X X X X X X X X -
Brown pelican	S/F E/E	X X X X X X X X X X X X X X -
Wading birds		X X X X X X X X X X X X X X -
White-tailed tropicbird		X X X X X X MAR-JUL

FISH:

RAR# Species	S/F T/E Conc.	J F M A M J J A S O N D Spawning Eggs	Larvae	Juveniles	Adults
16 Pelagic fish		X X X X X X X X X X X X X X JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
Reef fish		X X X X X X X X X X X X X X JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
17 Pelagic fish		X X X X X X X X X X X X X X JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
28 Nursery fish		X X X X X X X X X X X X X X JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
Snook		X X X X X X X X X X X X X X - - -	- - -	JAN-DEC	-
Tarpon		X X X X X X X X X X X X X X APR-FEB	APR-FEB	JAN-DEC	JAN-DEC
313 Nursery fish		X X X X X X X X X X X X X X - - -	- - -	MAY-DEC	JAN-DEC
Snook		X X X X X X X X X X X X X X APR-FEB	APR-FEB	JAN-DEC	JAN-DEC
Tarpon		X X X X X X X X X X X X X X - - -	- - -	MAY-DEC	JAN-DEC
319 Red hind		X X X X X X X X X X X X X X X JAN-MAR	JAN-MAR	JAN-MAR	- DEC-MAR

INVERTEBRATE:

RAR# Species	S/F T/E Conc.	J F M A M J J A S O N D Spawning Eggs	Larvae	Juveniles	Adults
16 Caribbean spiny lobster		X X X X X X X X X X X X X X JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
Octopus		X X X X X X X X X X X X X X DEC-MAR	DEC-APR	-	JAN-DEC
Queen conch		X X X X X X X X X X X X X X APR-OCT	APR-OCT	JAN-DEC	JAN-DEC
28 Blue land crab		X X X X X X X X X X X X X X JUL-AUG	JUL-AUG	JUL-SEP	JAN-DEC
313 Blue land crab		X X X X X X X X X X X X X X JUL-AUG	JUL-AUG	JUL-SEP	JAN-DEC

MARINE MAMMAL:

RAR# Species	S/F T/E Conc.	J F M A M J J A S O N D Mating	Calving
16 Dolphins		X X X X X X X X X X X X X X - -	- -
Whales		X X X X X X X X X X X X X X - -	- -
17 Dolphins		X X X X X X X X X X X X X X - -	- -
Whales		X X X X X X X X X X X X X X - -	- -
86 West Indian manatee	S/F E/E	X X X X X X X X X X X X X X JAN-DEC	JAN-DEC

REPTILE:

RAR# Species	S/F T/E Conc.	J F M A M J J A S O N D Nesting	Hatching	Internesting	Juveniles	Adults
32 Green sea turtle	S/F E/T	X X X X X X X X X X X X X X JAN-DEC	JAN-DEC	-	JAN-DEC	JAN-DEC
Hawksbill sea turtle	S/F E/E	X X X X X X X X X X X X X X JAN-DEC	JAN-DEC	-	JAN-DEC	JAN-DEC
Leatherback sea turtle	S/F E/E	X X X X X X X X X X FEB-JUN	APR-SEP	-	APR-SEP	FEB-JUN
315 Cook's anole	S T	X X X X X X X X X X X X X X - -	- -	- -	JAN-DEC	JAN-DEC
Mabuya	S T	X X X X X X X X X X X X X X - -	- -	- -	JAN-DEC	JAN-DEC

HUMAN USE RESOURCES:

WILDLIFE REFUGE:

HUN# Name	Owner/Manager	Contact	Phone
335 RESERVA NATURAL ISLA DE CAJA DE MUERTOS	DRNA	DIVISION DE RESERVAS NATURALES Y REFUGIOS DE VIDA SILVESTRE	787/724-2816

Biological information shown on the maps represents known concentration areas or occurrences, but does not necessarily represent the full distribution or range of each species. This is particularly important to recognize when considering potential impacts to protected species.