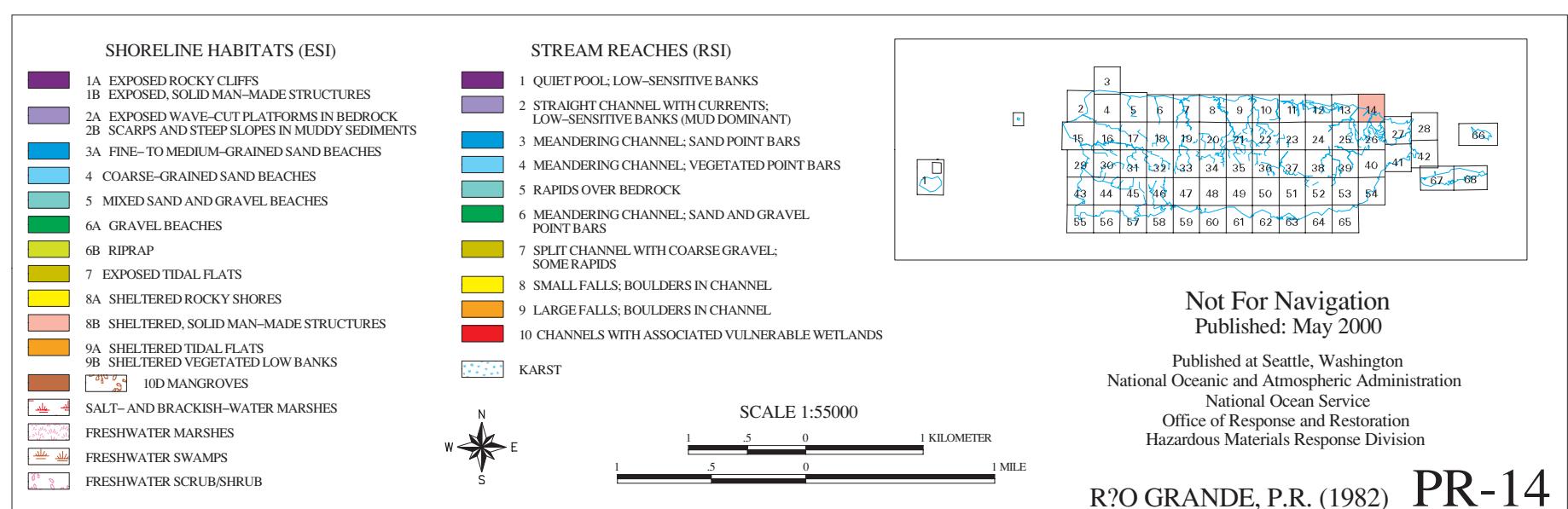
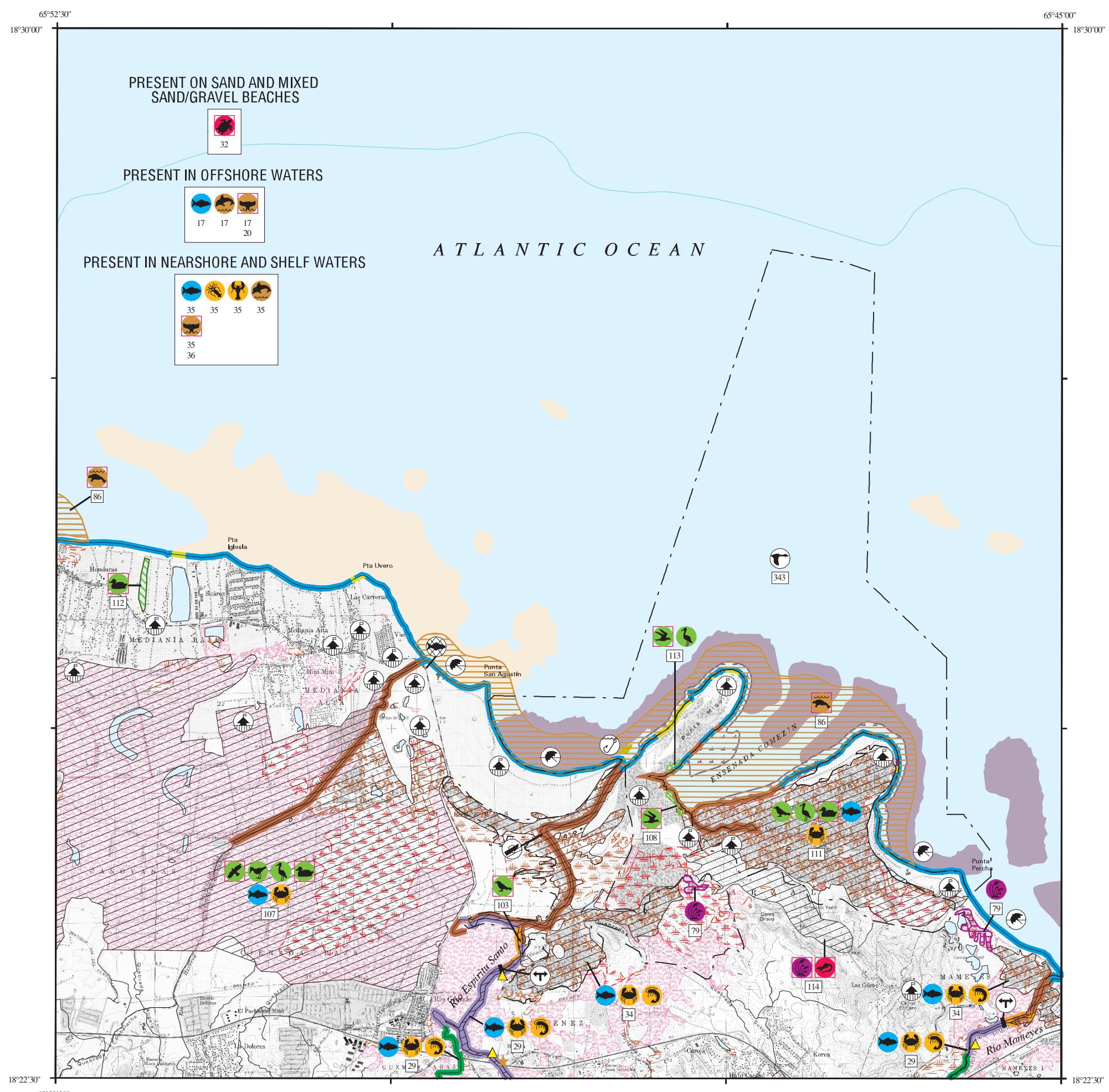


# ENVIRONMENTAL SENSITIVITY INDEX MAP



# PUERTO RICO - ESIMAP 14

## BIOLOGICAL RESOURCES:

### BIRD:

RAR# Species	S/F T/E Conc.	J F M A M J J A S O N D Nesting
103 Yellow-shouldered blackbird	S/F E/E	X X X X X X X X X X X X X X MAR-SEP
107 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 -
Caribbean coot	S T 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 -
Masked duck	S T LOW	X X X X X X X X X X X X X X -
Merlin	LOW	X X X X X X X X X X X X X X -
Northern pintail	HIGH	X X X X X X X X X X X X X X -
Peregrine falcon	S E LOW	X X X X X X X X X X X X X X -
Pied-billed grebe	HIGH	X X X X X X X X X X X X X X -
Purple gallinule	HIGH	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 -
Ruddy duck	S T 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 -
West Indian whistling-duck	S T HIGH	X X X X X X X X X X X X X X -
White-cheeked pintail	HIGH	X X X X X X X X X X X X X X -
108 Least tern	S T	X X X X X X X X X X X X X X APR-JUL
111 Blue-winged teal		X X X X X X X X X X X X X X -
Common moorhen		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 -
West Indian whistling-duck	S T	X X X X X X X X X X X X X X -
White-crowned pigeon		X X X X X X X X X X X X X X -
112 Caribbean coot	S T	X X X X X X X X X X X X X X -
113 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 -

### 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
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
29 Native stream fish		X X X X X X X X X X X X X X APR-MAY	APR-MAY	APR-MAY	JAN-DEC
		AUG-NOV	AUG-NOV	AUG-NOV	JAN-DEC
34 Native stream fish		X X X X X X X X X X X X X X -	-	APR-MAY	-
Nursery fish		X X X X X X X X X X X X X X -	-	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
35 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
107 Nursery fish		X X X X X X X X X X X X X X -	-	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
111 Nursery fish		X X X X X X X X X X X X X X -	-	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

### PLANT:

RAR# Species	S/F T/E Conc.	J F M A M J J A S O N D
79 Pterocarpus swamp		X X X X X X X X X X X X X X
114 Stahlia monosperma	S/F T/T	X X X X X X X X X X X X X X

### 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
29 Freshwater crab		X X X X X X X X X X X X X X APR-MAY	APR-MAY	-	JAN-DEC
Native stream shrimp		AUG-NOV	AUG-NOV		JAN-DEC
34 Blue land crab		X X X X X X X X X X X X X X APR-MAY	APR-MAY	JAN-DEC	JAN-DEC
Native stream shrimp		AUG-NOV	AUG-NOV		JAN-DEC
35 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
107 Blackback land crab		X X X X X X X X X X X X X X -	-	-	JAN-DEC
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
Purple land crab		X X X X X X X X X X X X X X -	-	-	JAN-DEC
111 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
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 -	-
20 Sperm whale	S/F E/E HIGH	X X X X X X X X X X X X X X -	-
35 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 -	-
36 Humpback whale	S/F E/E VERY HIGH	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
114 Virgin Islands tree boa	S/F E/E	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
343 RESERVA NATURAL RIO ESPIRITU SANTO	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.