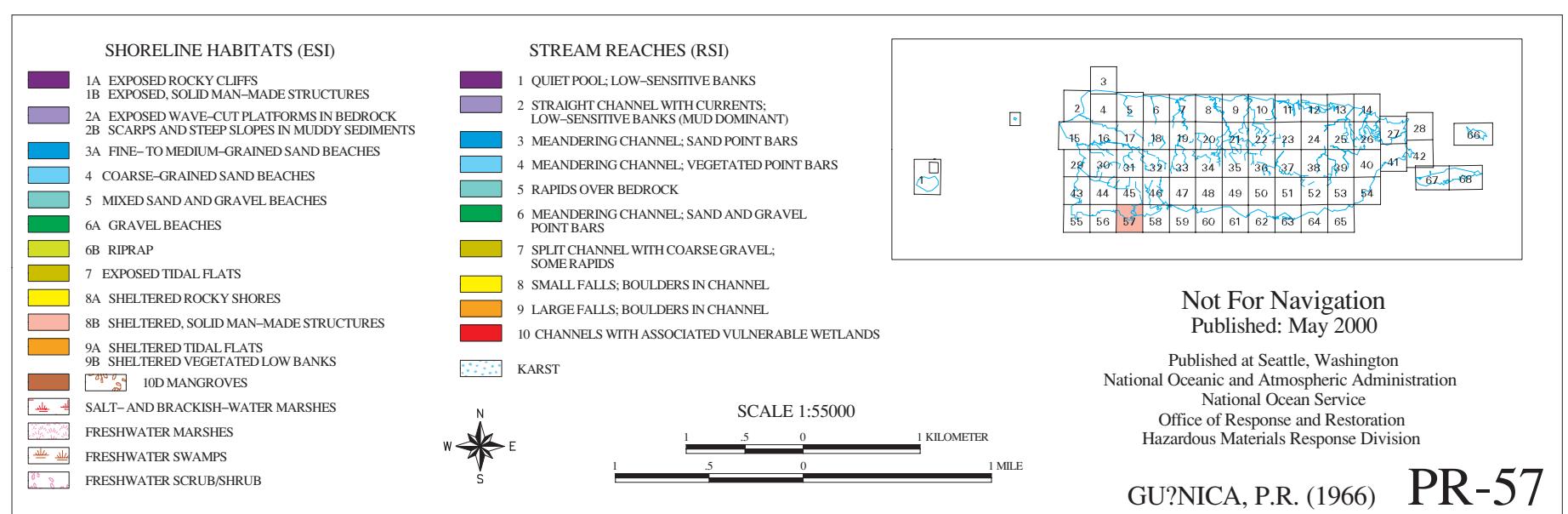
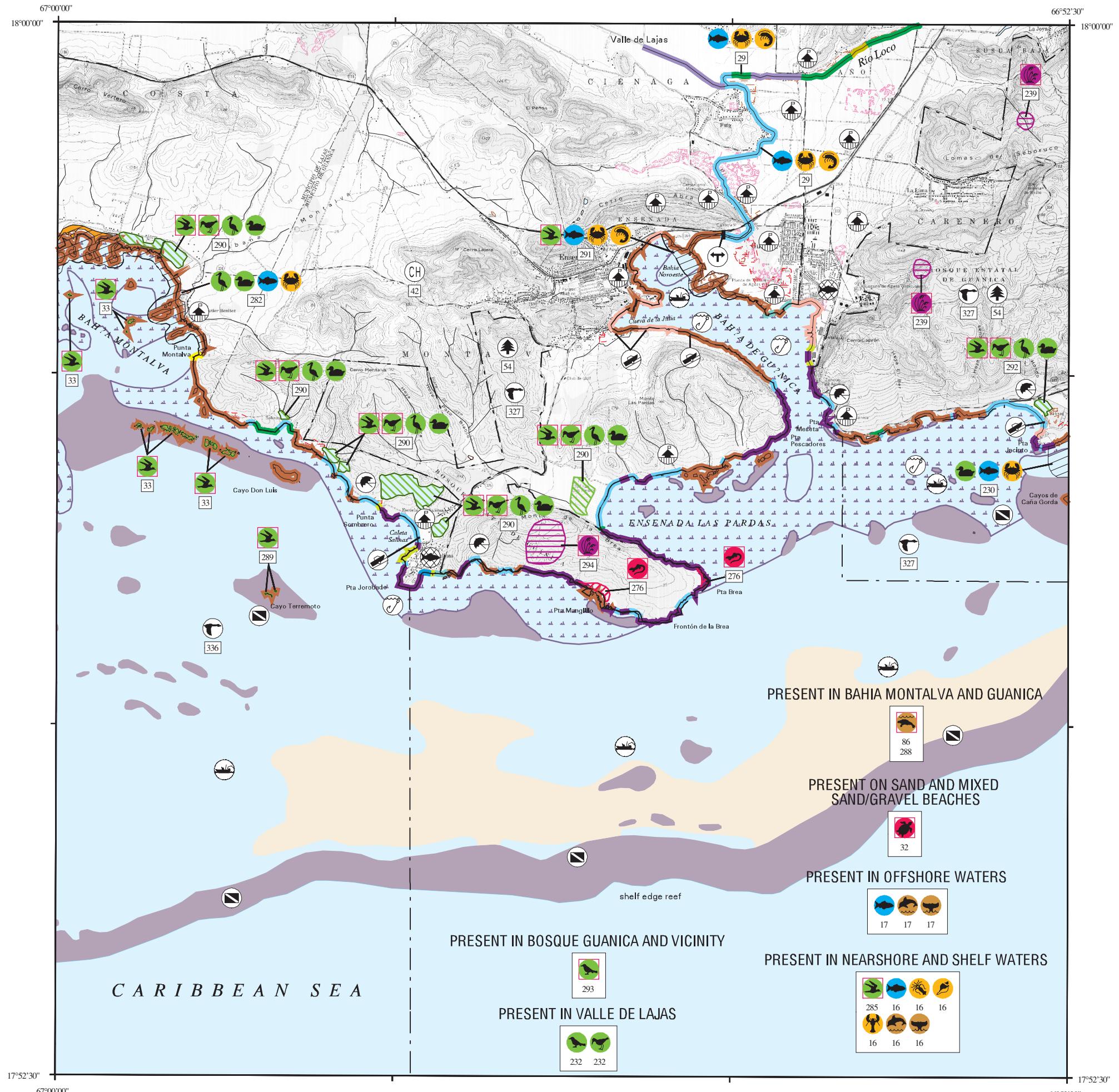


ENVIRONMENTAL SENSITIVITY INDEX MAP



PUERTO RICO - ESIMAP 57

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 JAN-DEC
230 Waterfowl		X X X X X X X X X X X X -
232 Common snipe	HIGH	X X X X X X X X X X X X -
Mourning dove	HIGH	X X X X X X X X X X X X MAR-AUG
White-winged dove	HIGH	X X X X X X X X X X X X JAN-DEC
Zenaida dove	HIGH	X X X X X X X X X X X X JAN-DEC
282 Blue-winged teal	HIGH	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 -
Waterfowl	HIGH	X X X X X X X X X X X X -
285 Roseate tern	S/F E/T	X X X X X X X X X X X X -
Seabirds		X X X X X X X X X X X X -
289 Brown pelican	S/F E/E	X X X X X X X X X X X X -
Roseate tern	S/F E/T	X X X X X X X X X X X X MAY-JUL
Sandwich tern		X X X X X X X X X X X X MAY-JUL
Seabirds		X X X X X X X X X X X X -
290 Black-necked stilt	HIGH	X X X X X X X X X X X X APR-OCT
Least tern	S T	X X X X X X X X X X X X APR-JUL
Piping plover	S/F T/T HIGH	X X X X X X X X X X X X -
Shorebirds	HIGH	X X X X X X X X X X X X -
Snowy plover	S T HIGH	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 -
Waterfowl	HIGH	X X X X X X X X X X X X -
291 Brown pelican	S/F E/E	X X X X X X X X X X X X -
292 American coot		X X X X X X X X X X X X -
Black-necked stilt	HIGH	X X X X X X X X X X X X APR-OCT
Blue-winged teal		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 -
Common moorhen		X X X X X X X X X X X X -
Least tern	S T	X X X X X X X X X X X X APR-JUL
Piping plover	S/F T/T HIGH	X X X X X X X X X X X X -
Shorebirds	HIGH	X X X X X X X X X X X X -
Snowy plover	S T HIGH	X X X X X X X X X X X X -
Terns		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 -
Waterfowl	HIGH	X X X X X X X X X X X X -
White-cheeked pintail		X X X X X X X X X X X X -
293 Key West quail-dove		X X X X X X X X X X X X FEB-AUG
Mangrove cuckoo	HIGH	X X X X X X X X X X X X FEB-JUN
Neotropical migrants	HIGH	X X X X X X X X X X X X -
Puerto Rican bullfinch	HIGH	X X X X X X X X X X X X FEB-JUN
Puerto Rican lizard-cuckoo	HIGH	X X X X X X X X X X X X JAN-DEC
Puerto Rican nightjar	S/F E/E	X X X X X X X X X X X X FEB-JUL
Yellow-billed cuckoo	HIGH	X X X X X X X X X X X X APR-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 JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
Reef fish		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 JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
29 Native stream fish		X X X X X X X X X X X X APR-MAY	APR-MAY	JAN-DEC	JAN-DEC
		AUG-NOV	AUG-NOV	AUG-NOV	AUG-NOV
230 Nursery fish		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 APR-FEB	APR-FEB	JAN-DEC	JAN-DEC
Tarpon		X X X X X X X X X X X X -	-	MAY-DEC	JAN-DEC
282 Nursery fish		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 APR-FEB	APR-FEB	JAN-DEC	JAN-DEC
Tarpon		X X X X X X X X X X X X -	-	MAY-DEC	JAN-DEC
291 Native stream fish		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 -	-	JAN-DEC	-
Snook		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 -	-	MAY-DEC	JAN-DEC

PLANT:

RAR# Species	S/F T/E Conc.	J F M A M J J A S O N D
239 Trichilia triacantha	S/F E/E	X X X X X X X X X X X X
294 Mitracarpus maxwelliae	S/F E/E	X X X X X X X X X X X X
Mitracarpus polycladus	S/F E/E	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
16 Caribbean spiny lobster		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 DEC-APR	-	JAN-DEC	JAN-DEC
Queen conch		X X X X X X X X X X X X APR-OCT	APR-OCT	JAN-DEC	JAN-DEC
29 Freshwater crab		X X X X X X X X X X X X APR-MAY	APR-MAY	-	JAN-DEC
		AUG-NOV	AUG-NOV	AUG-NOV	AUG-NOV
Native stream shrimp		X X X X X X X X X X X X APR-MAY	APR-MAY	JAN-DEC	JAN-DEC
		AUG-NOV	AUG-NOV	AUG-NOV	AUG-NOV
230 Blue land crab		X X X X X X X X X X X X JUL-AUG	JUL-AUG	JUL-SEP	JAN-DEC
282 Blue land crab		X X X X X X X X X X X X JUL-AUG	JUL-AUG	JUL-SEP	JAN-DEC
291 Blue land crab		X X X X X X X X X X X X JUL-AUG	JUL-AUG	JUL-SEP	JAN-DEC
Native stream shrimp		X X X X X X X X X X X X -	-	APR-MAY	-
		AUG-NOV	AUG-NOV	AUG-NOV	AUG-NOV

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 -	-
Whales		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 -	-
Whales		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 JAN-DEC	JAN-DEC
288 West Indian manatee	S/F E/E	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 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 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
276 Cook's anole	S T	X X X X X X X X X X X X -	-	-	JAN-DEC	JAN-DEC

HUMAN USE RESOURCES:

HUN# Name	Owner/Manager	Contact	Phone
42 YELLOW-SHOULDERED BLACKBIRD DCH	USFWS	CARIBBEAN FIELD OFFICE	787/851-7297

CRITICAL HABITAT:

54 BOSQUE GUANICA	DRNA	DIVISION DE MANEJO BOSQUES ESTATALES	787/721-5495
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WILDLIFE REFUGE:

HUN# Name	Owner/Manager	Contact	Phone
327 RESERVA NATURAL DE GUANICA	DRNA	DIVISION DE RESERVAS NATURALES Y REFUGIOS DE VIDA SILVESTRE	787/724-2816
336 RESERVA NATURAL LA PARGUERA	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.