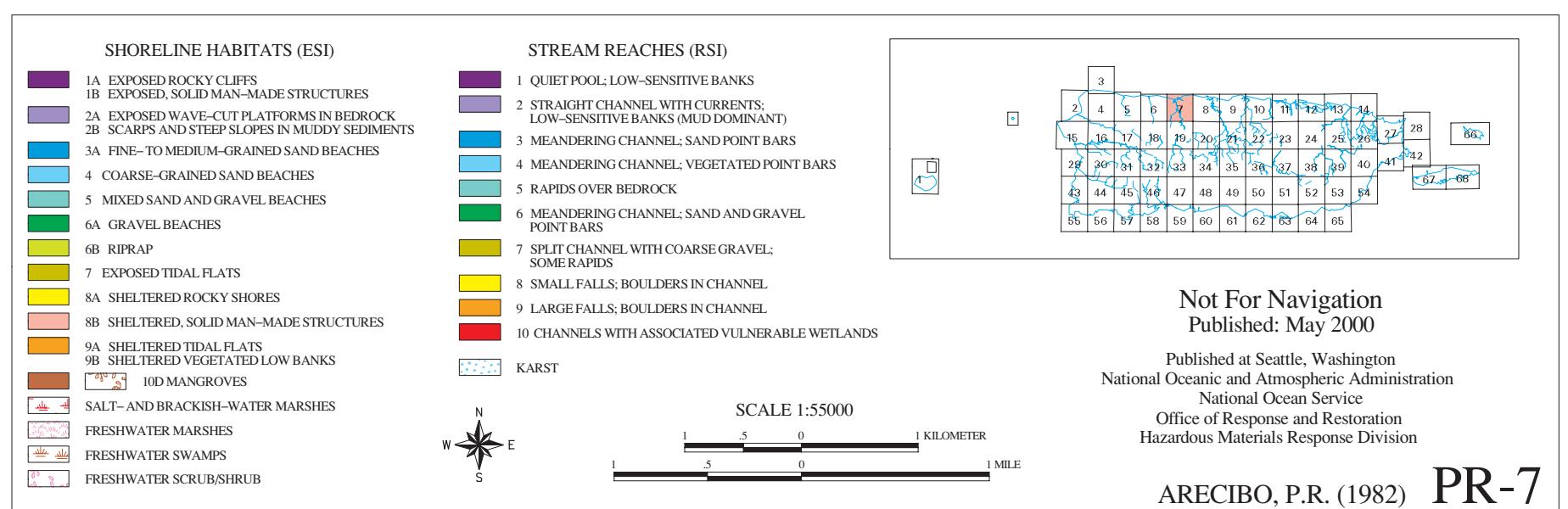
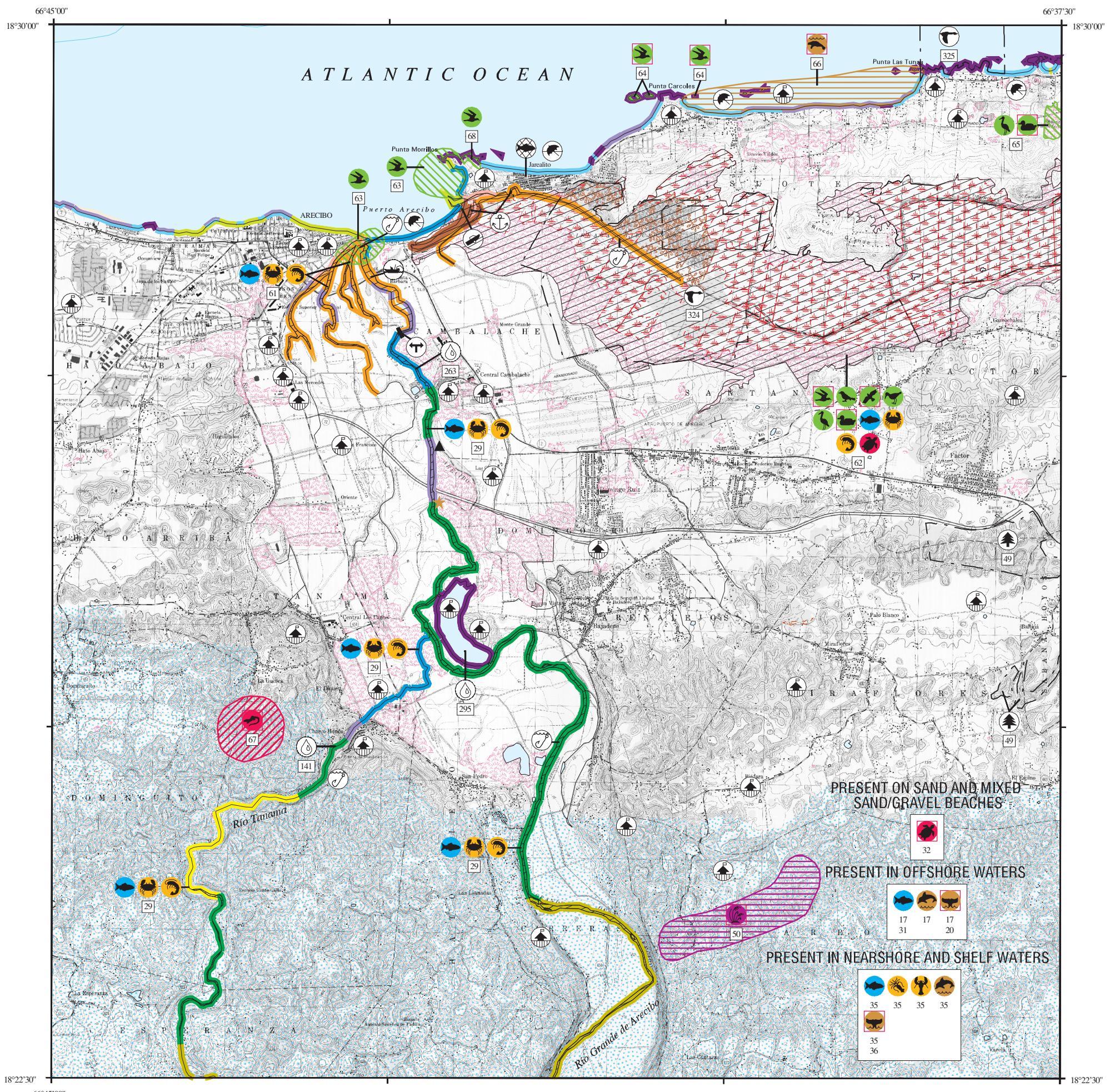


# ENVIRONMENTAL SENSITIVITY INDEX MAP



# PUERTO RICO - ESIMAP 7

## BIOLOGICAL RESOURCES:

### BIRD:

RAR#	Species	S/F T/E Conc.	J F M A M J J A S O N D Nesting
62	American coot	HIGH	X X X X X X X X X X X X X X X X -
	American kestrel	HIGH	X X X X X X X X X X X X X X X X -
	American wigeon		X X X X X X X X X X X X X X X X -
	Black skimmer		X X 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 X X -
	Brown pelican	S/F E/E HIGH	X X X X X X X X X X X X X X X X -
	Caribbean coot	S T LOW	X X 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 X X -
	Common snipe	HIGH	X X X X X X X X X X X X X X X X -
	Green-winged teal	LOW	X X X X X X X X X X X X X X X X -
	Lesser scaup	LOW	X X 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 X X -
	Merlin	LOW	X X X X X X X X X X X X X X X X -
	Northern pintail	LOW	X X X X X X X X X X X X X X X X -
	Osprey	HIGH	X X 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 X X -
	Purple gallinule	LOW	X X X X X X X X X X X X X X X X -
	Red-tailed hawk	MEDIUM	X X X X X X X X X X X X X X X X -
	Ring-necked duck	LOW	X X 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 X X -
	Shorebirds	HIGH	X X 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 X X -
	West Indian whistling-duck	S T HIGH	X X 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 X X -
	White-crowned pigeon		X X X X X X X X X X X X X X X X -
63	Seabirds		X X X X X X X X X X X X X X X X -
64	Roseate tern	S/F E/T	X X X X X X X X X X X X X X X X MAY-JUL
65	Caribbean coot	S T	X X 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 X X -
	Masked duck	S T	X X X X X X X X X X X X X X X X -
	Pied-billed grebe		X X X X X X X X X X X X X X X X -
	Purple gallinule		X X X X X X X X X X X X X X X X -
	Ruddy duck	S T	X X 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 X X -
68	Bridled tern		X X X X X X X X X X X X X X X X APR-JUL
	Brown noddy		X X X X X X X X X X X X X X X X APR-AUG
	White-tailed tropicbird		X X X X X X X X X X 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
17	Pelagic fish		X X 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 X X APR-MAY	APR-MAY	APR-MAY	JAN-DEC
				AUG-NOV	AUG-NOV	AUG-NOV
31	Blue marlin	HIGH	X X X X X X X X X X X X X X X X MAY-NOV	MAY-NOV	MAY-NOV	MAY-NOV
35	Pelagic fish		X X 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 X X JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
61	Native stream fish		X X 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 X X AUG-NOV	-	-	-
	Sirajo goby (seti)	HIGH	X X X X X X X X X X X X X X X X OCT-OCT	-	-	-
	Snook		X X X X X X X X X X X X X X X X JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
	Tarpon		X X X X X X X X X X X X X X X X MAY-DEC	JAN-DEC	JAN-DEC	JAN-DEC
62	Native stream fish		X X 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 X X AUG-NOV	-	-	-
	Snook		X X X X X X X X X X X X X X X X JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
	Tarpon		X X X X X X X X X X X X X X X X MAY-DEC	JAN-DEC	JAN-DEC	JAN-DEC
	Tilapia		X X X X X X X X X X X X X X X X DEC-JUL	DEC-JUL	DEC-JUL	JAN-DEC

### PLANT:

RAR#	Species	S/F T/E Conc.	J F M A M J J A S O N D
50	Myrcia paganii	S/F E/E	X X 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 X X APR-MAY	APR-MAY	-	JAN-DEC
	Native stream shrimp		X X X X X X X X X X X X X X X X AUG-NOV	AUG-NOV	-	JAN-DEC
35	Caribbean spiny lobster		X X 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 X X DEC-MAR	DEC-APR	-	JAN-DEC
61	Blue land crab		X X X X 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 X X X X -	-	APR-MAY	-
62	Blue crabs		X X X X X X X X X X X X X X X X AUG-NOV	-	-	JAN-DEC
	Blue land crab		X X X X 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 X X X X APR-MAY	-	APR-MAY	-

### 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 X X -	-
	Whales		X X 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 X X -	-
35	Dolphins		X X 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 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 X X -	-
66	West Indian manatee	S/F E/E	X X 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 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 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 X X X X X X FEB-JUN	APR-SEP	-	APR-SEP	FEB-JUN
62	Jicotea		X X X X X X X X X X X X X X X X APR-JUL	JUN-OCT	-	JAN-DEC	JAN-DEC
67	Puerto Rican boa	S/F E/E	X X X X 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
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#### FOREST:

49 BOSQUE CAMBALACHE DRNA DIVISION DE MANEJO BOSQUES ESTATALES 787/721-5495

#### WILDLIFE REFUGE:

324 RESERVA NATURAL CANO TIBURONES DRNA DIVISION DE RESERVAS NATURALES 787/724-2816 Y REFUGIOS DE VIDA SILVESTRE  
325 RESERVA NATURAL CUEVA DEL INDIO DRNA DIVISION DE RESERVAS NATURALES 787/724-2816 Y REFUGIOS DE VIDA SILVESTRE

#### WATER INTAKE:

HUN#	Name	Owner/Manager	Location	Phone
141	ARECIBO FILTER PLANT	PRASA	PR 636, KM 1.6	787/878-3195
263	POWER PLANT			
295	SUPER AQUEDUCT INTAKE			

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.