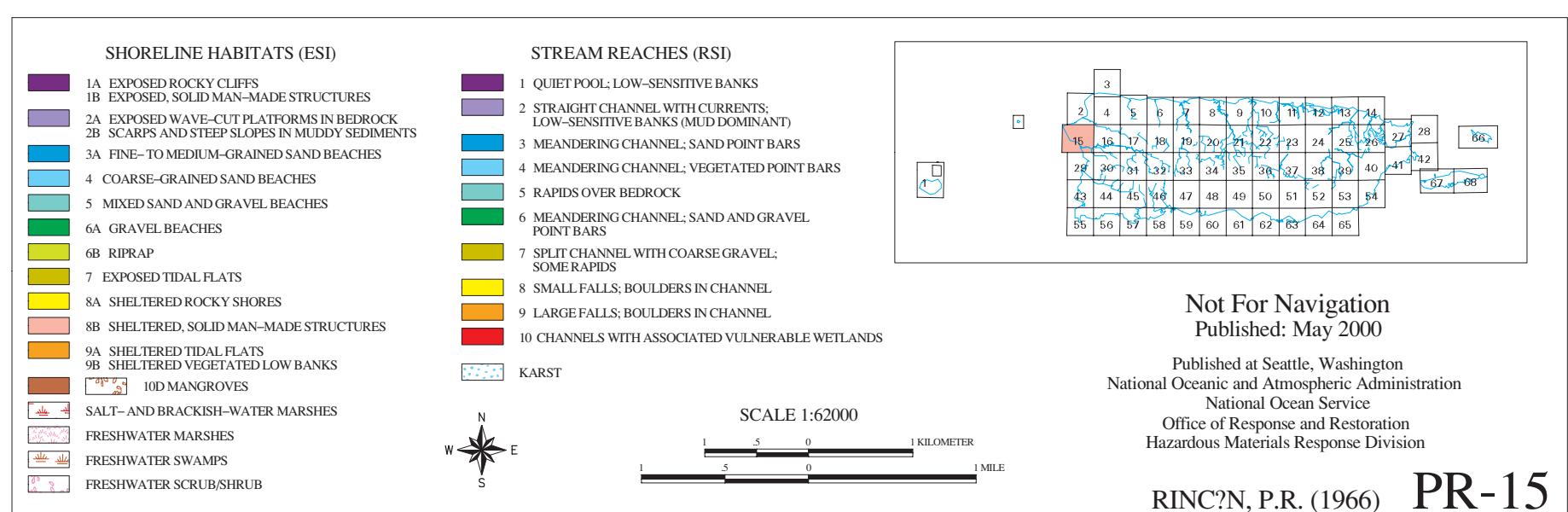
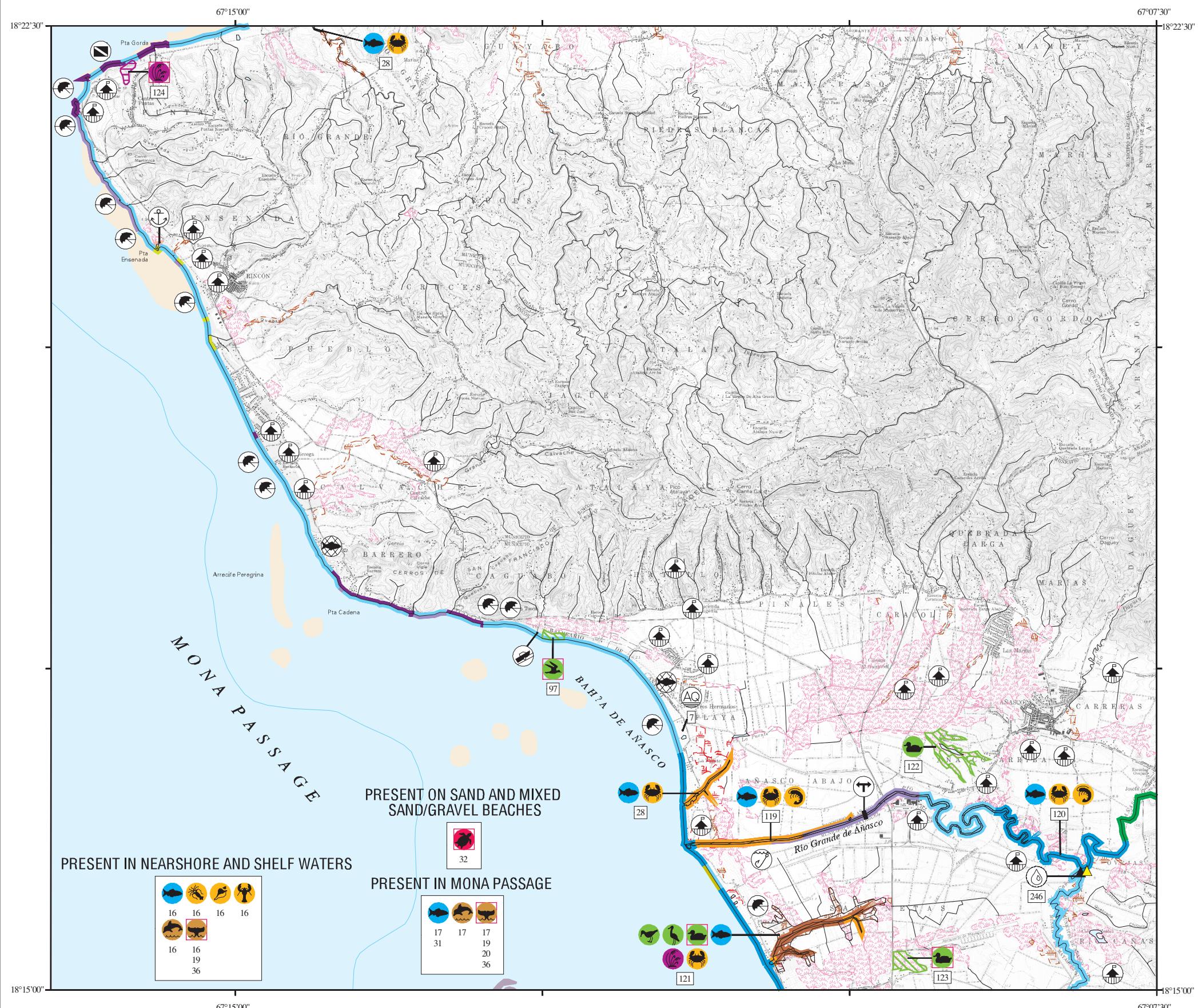


ENVIRONMENTAL SENSITIVITY INDEX MAP



PUERTO RICO - ESIMAP 15

BIOLOGICAL RESOURCES:

BIRD:

RAR# Species	S/F T/E Conc.	J F M A M J J A S O N D Nesting
97 Brown pelican	S/F E/E	X X X X X X X X X X X X X X X X -
121 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 -
Pied-billed grebe		X X X X X X X X X X X X X X X X -
Shorebirds		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 -
West Indian whistling-duck	S T	X X X X X X X X X X X X X X X X -
122 Common moorhen		X X X X X X X X X X X X X X X X -
Ducks		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 -
123 West Indian whistling-duck	S T	X X 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
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
28 Nursery fish		X X X X X X X X X X X X	-	-	-
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
31 Blue marlin	HIGH	X X X X X X X X X X MAY-NOV	MAY-NOV	MAY-NOV	MAY-NOV
119 Hog-nosed mullet		X X X X X X X X AUG-NOV	AUG-NOV	AUG-JAN	AUG-DEC
Native stream fish		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
120 Hog-nosed mullet		X X X X X X X X X X X X	-	-	JAN-DEC
Native stream fish		X X X X X X X X X X X X APR-MAY	APR-MAY	APR-MAY	JAN-DEC
121 Nursery fish		X X X X X X X X X X X X AUG-NOV	AUG-NOV	AUG-NOV	AUG-NOV
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
121 Pterocarpus swamp		X X X X X X X X X X X X
124 Buxus vahlii	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-MAR	DEC-APR	-	JAN-DEC
Queen conch		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 JUL-AUG	JUL-AUG	JUL-SEP	JAN-DEC
119 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	-
120 Freshwater crab		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 APR-MAY	APR-MAY	JAN-DEC	JAN-DEC
121 Blue land crab		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	-
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	-
19 Humpback whale	S/F E/E VERY HIGH	X X X X X X X X NOV-MAY	NOV-MAY
20 Sperm whale	S/F E/E HIGH	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	-

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

HUMAN USE RESOURCES:

AQUACULTURE:

HUN# Name	Owner/Manager	Contact	Phone
7 BRUNSAM MARICULTURE	BRUNSAM CORP.	M. QUINTERO	

WATER INTAKE:

HUN# Name	Owner/Manager	Location	Phone
246 MIRADERO FILTER PLANT RIO ANASCO INTAKE	PRASA	PR 109, INT 434	787/834-7800

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.