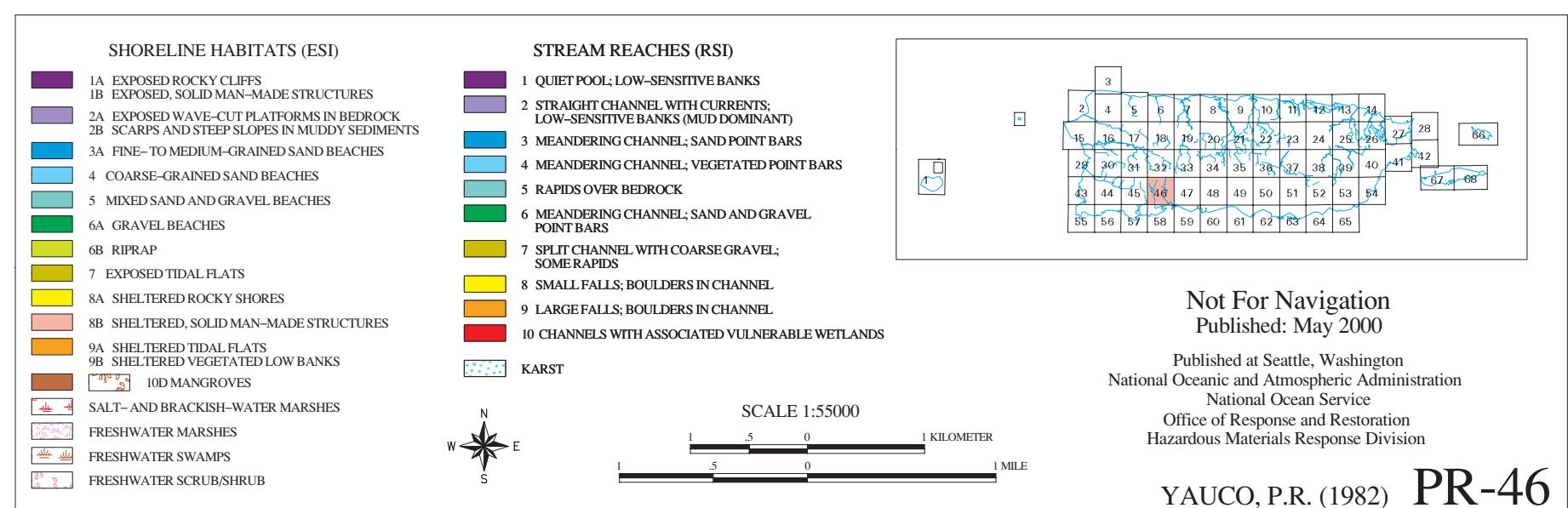
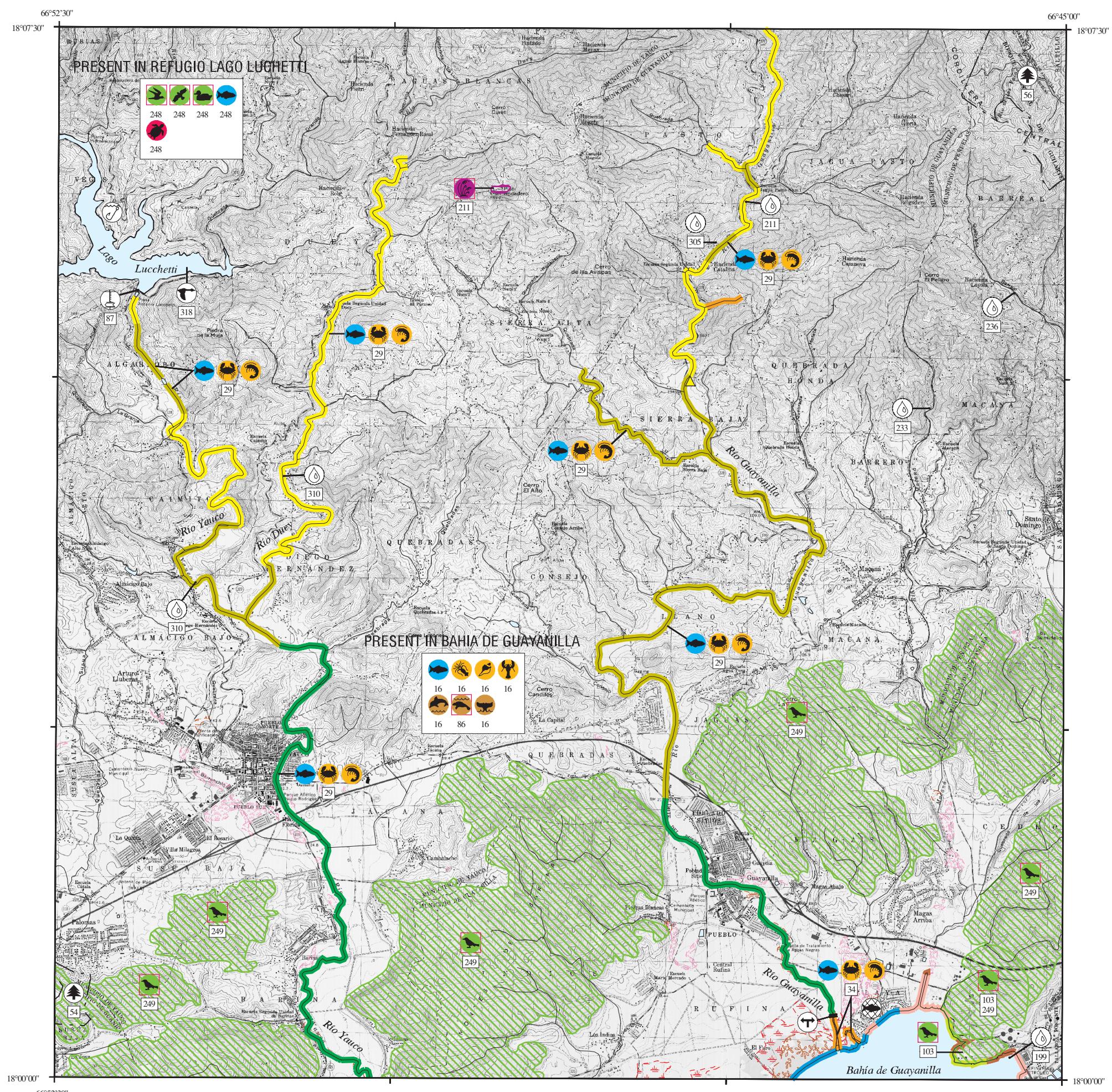


# ENVIRONMENTAL SENSITIVITY INDEX MAP



# PUERTO RICO - ESIMAP 46

## 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 MAR-SEP
248 Brown pelican	S/F E/E	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 -
Osprey		X X X X X X X X X X X X -
Peregrine falcon	S E	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 -
Ruddy duck	S T LOW	X X X X X X X X X X X X -
249 Puerto Rican nightjar	S/F E/E	X X X X X X X X X X X X FEB-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
29 Native stream fish		X X X X X X X X X X X X APR-MAY	APR-MAY	APR-MAY	JAN-DEC
34 Native stream fish		X X X X X X X X X X X X AUG-NOV	AUG-NOV	AUG-NOV	-
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
248 Channel catfish		X X X X X X X X X X X X FEB-AUG	FEB-AUG	FEB-AUG	JAN-DEC
Largemouth bass		X X X X X X X X X X X X FEB-AUG	FEB-AUG	FEB-AUG	JAN-DEC
Redear sunfish		X X X X X X X X X X X X FEB-AUG	FEB-AUG	FEB-AUG	JAN-DEC
Tilapia		X X X X X X X X X X X X DEC-JUL	DEC-JUL	DEC-JUL	JAN-DEC
White catfish		X X X X X X X X X X X X FEB-AUG	FEB-AUG	FEB-AUG	JAN-DEC

### PLANT:

RAR# Species	S/F T/E Conc.	J F M A M J J A S O N D
211 Thelypteris yaucoensis	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	APR-OCT	JAN-DEC
29 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
34 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	-

### 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 -	-
86 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
248 Jicotea		X X X X X X X X X X X X APR-JUL	JUN-OCT	-	JAN-DEC	JAN-DEC

### HUMAN USE RESOURCES:

HUN# Name	Owner/Manager	Contact	Phone
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### FOREST:

54 BOSQUE GUANICA	DRNA	DIVISION DE MANEJO BOSQUES ESTATALES	787/721-5495
56 BOSQUE MONTE GUILARTE	DRNA	DIVISION DE MANEJO BOSQUES ESTATALES	787/721-5495

### LOCK AND DAM:

87 LUCCHETTI DAM	PREPA	ING. SANDRA MARTINEZ	787/836-8030
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### WILDLIFE REFUGE:

318 REFUGIO LAGO LUCHETTI	DRNA	DIVISION DE RESERVAS NATURALES Y REFUGIOS DE VIDA SILVESTRE	787/724-2816
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### WATER INTAKE:

HUN# Name	Owner/Manager	Location	Phone
199 GUAYANILLA POWER PLANT	PREPA		787/835-2700
211 JAGUA PASTO PACKAGE PLANT	PRASA		
233 MACANA PARTIAL PLANT	PRASA		
236 MALPASO CHLORINATION PLANT	PRASA		
305 WATER INTAKE			
310 YAUCO FILTER PLANT	PRASA		

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.