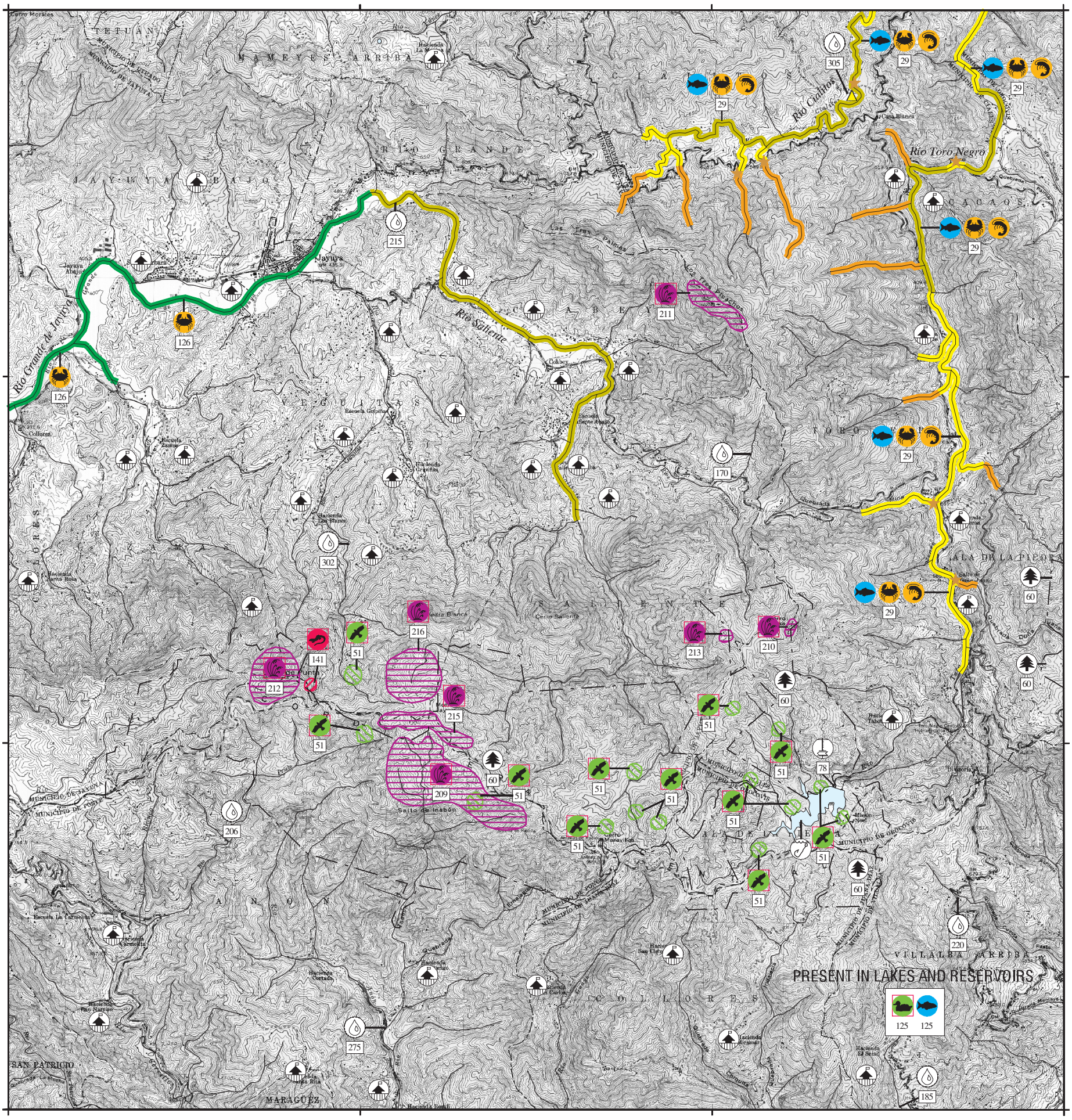
ENVIRONMENTAL SENSITIVITY INDEX MAP



SHORELINE HABITATS (ESI)

- 1A EXPOSED ROCKY CLIFFS
- 1B EXPOSED, SOLID MAN–MADE STRUCTURES
- 2A EXPOSED WAVE–CUT PLATFORMS IN BEDROCK
- 2B SCARPS AND STEEP SLOPES IN MUDDY SEDIMENTS
- 3A FINE– TO MEDIUM–GRAINED SAND BEACHES
- 4 COARSE–GRAINED SAND BEACHES
- 5 MIXED SAND AND GRAVEL BEACHES
- 6A GRAVEL BEACHES
- 6B RIPRAP
- 7 EXPOSED TIDAL FLATS
- 8A SHELTERED ROCKY SHORES
- 8B SHELTERED, SOLID MAN–MADE STRUCTURES
- 9A SHELTERED TIDAL FLATS
- 9B SHELTERED VEGETATED LOW BANKS
- 10D MANGROVES
- SALT– AND BRACKISH–WATER MARSHES
- FRESHWATER MARSHES
- FRESHWATER SWAMPS
- FRESHWATER SCRUB/SHRUB

STREAM REACHES (RSI)

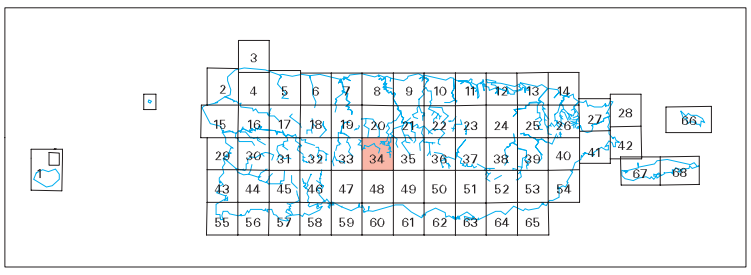
- 1 QUIET POOL; LOW–SENSITIVE BANKS
- 2 STRAIGHT CHANNEL WITH CURRENTS; LOW–SENSITIVE BANKS (MUD DOMINANT)
- 3 MEANDERING CHANNEL; SAND POINT BARS
- 4 MEANDERING CHANNEL; VEGETATED POINT BARS
- 5 RAPIDS OVER BEDROCK
- 6 MEANDERING CHANNEL; SAND AND GRAVEL POINT BARS
- 7 SPLIT CHANNEL WITH COARSE GRAVEL; SOME RAPIDS
- 8 SMALL FALLS; BOULDERS IN CHANNEL
- 9 LARGE FALLS; BOULDERS IN CHANNEL
- 10 CHANNELS WITH ASSOCIATED VULNERABLE WETLANDS
- KARST

N W E S

SCALE 1:55000

1 .5 0 1 KILOMETER

1 .5 0 1 MILE



Not For Navigation

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PUERTO RICO - ESIMAP 34

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S/F	T/E	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting
51	Puerto Rican sharp-shinned hawk	S/F	E/E		X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN
125	Common moorhen			HIGH	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	-
214	Osprey				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
29	Native stream fish				X	X	X	X	X	X	X	X	X	X	X	X	APR-MAY AUG-NOV	APR-MAY AUG-NOV	APR-MAY AUG-NOV	JAN-DEC	JAN-DEC
125	Channel catfish				X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	FEB-AUG	FEB-AUG	JAN-DEC	JAN-DEC
	Largemouth bass				X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	FEB-AUG	FEB-AUG	JAN-DEC	JAN-DEC
	Peacock bass				X	X	X	X	X	X	X	X	X	X	X	X	APR-NOV	APR-NOV	APR-NOV	JAN-DEC	JAN-DEC
	Redear sunfish				X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	FEB-AUG	FEB-AUG	JAN-DEC	JAN-DEC
	Tilapia				X	X	X	X	X	X	X	X	X	X	X	X	DEC-JUL	DEC-JUL	DEC-JUL	JAN-DEC	JAN-DEC
	White catfish				X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	FEB-AUG	FEB-AUG	JAN-DEC	JAN-DEC

PLANT:

RAR#	Species	S/F	T/E	Conc.	J	F	M	A	M	J	J	A	S	O	N	D
209	Thelypteris inabonensis	S/F	E/E		X	X	X	X	X	X	X	X	X	X	X	X
210	Cyathea dryopteroides	S/F	E/E		X	X	X	X	X	X	X	X	X	X	X	X
	Thelypteris inabonensis	S/F	E/E		X	X	X	X	X	X	X	X	X	X	X	X
211	Thelypteris yaucoensis	S/F	E/E		X	X	X	X	X	X	X	X	X	X	X	X
212	Elaphoglossum serpens	S/F	E/E		X	X	X	X	X	X	X	X	X	X	X	X
	Ilex cookii	S/F	E/E		X	X	X	X	X	X	X	X	X	X	X	X
213	Cyathea dryopteroides	S/F	E/E		X	X	X	X	X	X	X	X	X	X	X	X
215	Cyathea dryopteroides	S/F	E/E		X	X	X	X	X	X	X	X	X	X	X	X
	Ilex cookii	S/F	E/E		X	X	X	X	X	X	X	X	X	X	X	X
216	Elaphoglossum serpens	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
29	Freshwater crab				X	X	X	X	X	X	X	X	X	X	X	X	APR-MAY AUG-NOV	APR-MAY AUG-NOV	-	JAN-DEC	JAN-DEC
	Native stream shrimp				X	X	X	X	X	X	X	X	X	X	X	X	APR-MAY AUG-NOV	APR-MAY AUG-NOV	APR-MAY AUG-NOV	JAN-DEC	JAN-DEC
126	Freshwater crab				X	X	X	X	X	X	X	X	X	X	X	X	APR-MAY AUG-NOV	APR-MAY AUG-NOV	-	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
141	Mottled coqui	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
FOREST:				
60	BOSQUE TORO NEGRO	DRNA	DIVISION DE MANEJO BOSQUES ESTATALES	787/721-5495
LOCK AND DAM:				
78	GUINEO DAM	PREPA	ING. PEDRO SANTIAGO	787/853-2570

WATER INTAKE:

HUN#	Name	Owner/Manager	Location	Phone
170	COABEY CHLORINATION PLANT	PRASA		
185	EL SEMIL CHLORINATION PLANT	PRASA		
206	HOGARES SEGUROS CHLORINATION PLANT	PRASA		
215	JAYUYA PACKAGE PLANT	PRASA		
220	LA JULITA CHLORINATION PLANT	PRASA		
275	REAL ANON CHLORINATION PLANT	PRASA		
302	VEGUITAS CHLORINATION PLANT	PRASA		
305	WATER 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.