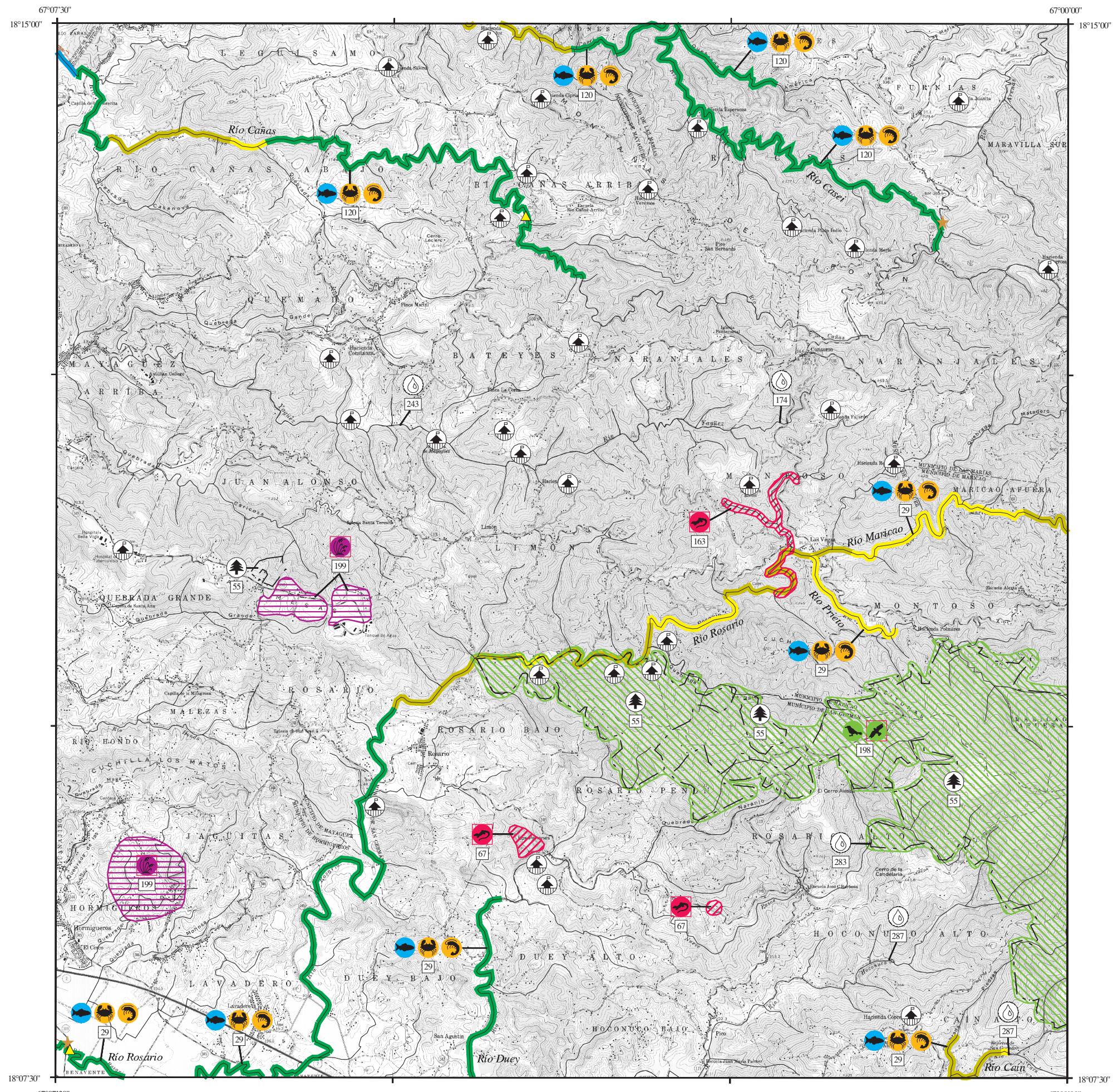


ENVIRONMENTAL SENSITIVITY INDEX MAP



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
- 10 MANGROVES
- SALT-AND BRACKISH-WATER MARSHES
- FRESHWATER MARSHES
- FRESHWATER SWAMPS
- FRESHWATER SCRUB/SHRUB

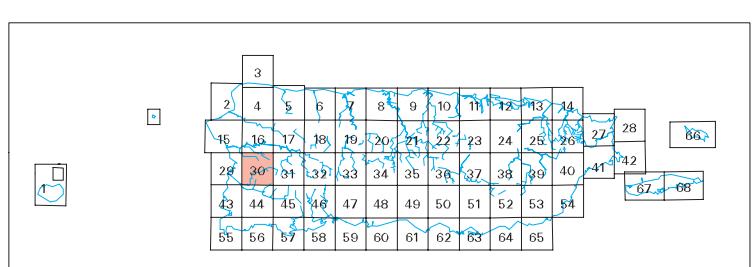
STREAM REACHES (RSI)

- 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



SCALE 1:55000

1 0.5 0 1 KILOMETER
1 0.5 0 1 MILE



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PUERTO RICO - ESIMAP 30

BIOLOGICAL RESOURCES:

BIRD:

RAR# Species	S/F T/E Conc.	J F M A M J J A S O N D Nesting
198 Elfin woods warbler		X X X X X X X X X X X X MAR-JUN
Puerto Rican broad-winged hawk	S/F E/E	X X X X X X X X X X X X JAN-JUN
Puerto Rican sharp-shinned hawk	S/F E/E	X X X X X X X X X X X X MAR-JUN

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	APR-MAY	APR-MAY	JAN-DEC	JAN-DEC
		AUG-NOV	AUG-NOV	AUG-NOV		
120 Hog-nosed mullet		X X X X X X X X X X X X -	-	-	JAN-DEC	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	JAN-DEC
		AUG-NOV	AUG-NOV	AUG-NOV		

PLANT:

RAR# Species	S/F T/E Conc.	J F M A M J J A S O N D
199 Aristida portoricensis	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	APR-MAY	-	JAN-DEC	JAN-DEC
		AUG-NOV	AUG-NOV			
Native stream shrimp		X X X X X X X X X X X X APR-MAY	APR-MAY	APR-MAY	JAN-DEC	JAN-DEC
		AUG-NOV	AUG-NOV			
120 Freshwater crab		X X X X X X X X X X X X APR-MAY	APR-MAY	-	JAN-DEC	JAN-DEC
		AUG-NOV	AUG-NOV			
Native stream shrimp		X X X X X X X X X X X X APR-MAY	APR-MAY	APR-MAY	JAN-DEC	JAN-DEC
		AUG-NOV	AUG-NOV			

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
67 Puerto Rican boa	S/F E/E	X X X X X X X X X X X X -	-	-	JAN-DEC	JAN-DEC
163 Web-footed coqui	S T	X X X X X X X X X X X X -	-	-	JAN-DEC	JAN-DEC

HUMAN USE RESOURCES:

FOREST:

HUN# Name	Owner/Manager	Contact	Phone
55 BOSQUE MARICAO	DRNA	DIVISION DE MANEJO BOSQUES ESTATALES	787/721-5495

WATER INTAKE:

HUN# Name	Owner/Manager	Location	Phone
174 CONSUMO CHLORINATION PLANT	PRASA		
243 MAYAGUEZ FILTER PLANT	PRASA		
283 ROSARIO CHLORINATION PLANT	PRASA		
287 SAN GERMAN 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.