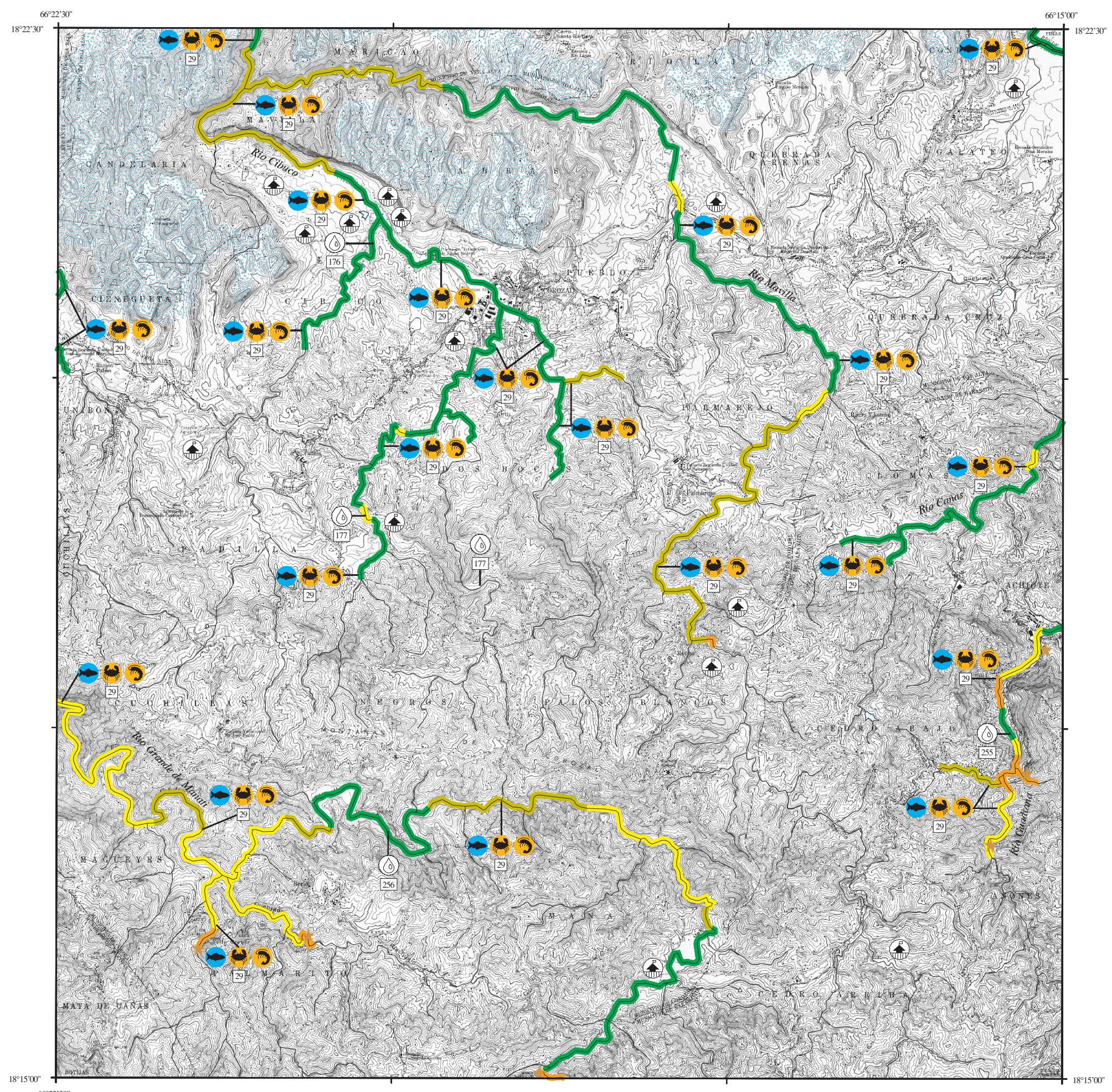


ENVIRONMENTAL SENSITIVITY INDEX MAP

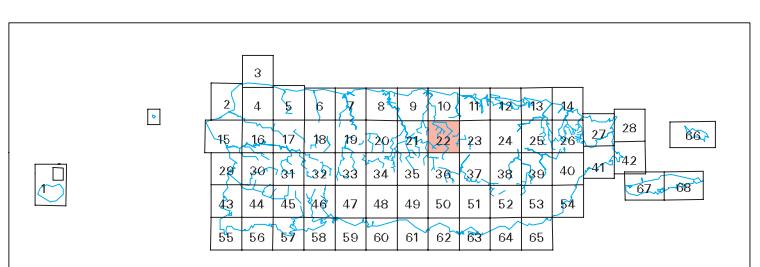


SHORELINE HABITATS (ESI)

- 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
- KARST



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SCALE 1:55000



1 .5 0 1 KILOMETER
1 .5 0 1 MILE

PUERTO RICO - ESIMAP 22

BIOLOGICAL RESOURCES:

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

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	JAN-DEC	JAN-DEC	

HUMAN USE RESOURCES:

WATER INTAKE:

HUN# Name	Owner/Manager	Location	Phone
176 COROZAL FILTER PLANT, CIBUCO INTAKE	PRASA	PR 818, KM 2.0	787/859-2760
177 COROZAL FILTER PLANT, DON CARLOS INTAKE	PRASA	PR 159	787/859-2760
255 NARANJITO FILTER PLANT	PRASA	PR 810, KM 1.2 INTERIOR	787/869-4044
256 NEGROS PACKAGE PLANT	PRASA	PR 568, KM 19.6	787/859-1282

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.