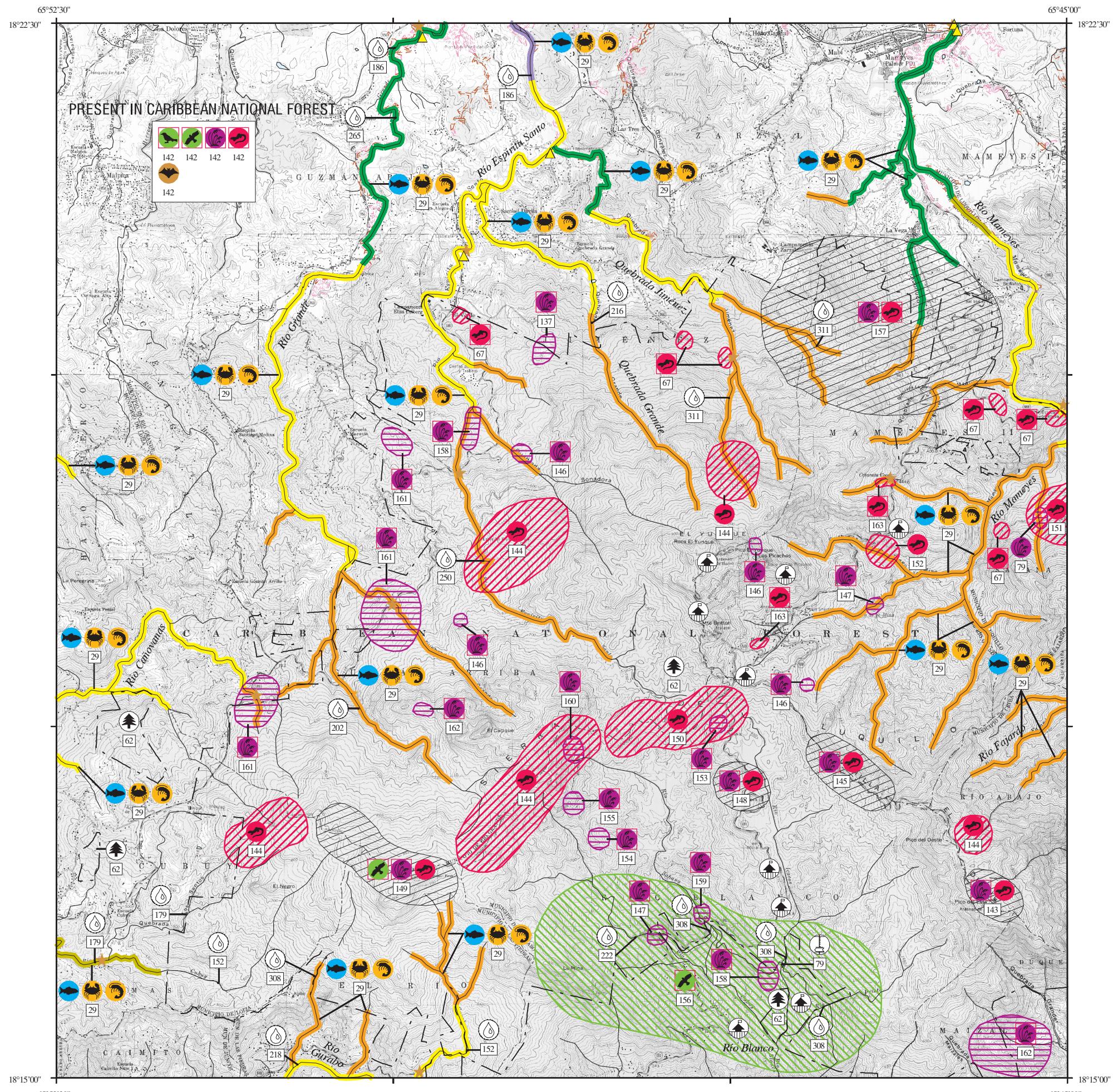


# ENVIRONMENTAL SENSITIVITY INDEX MAP

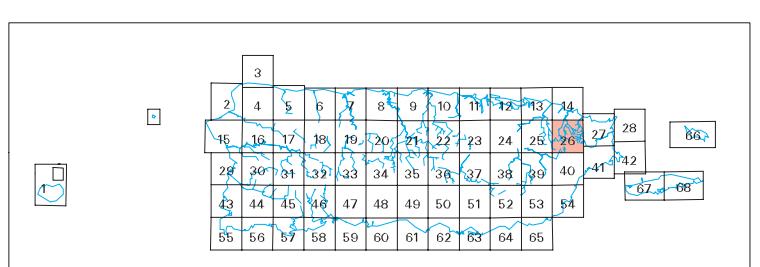


## SHORELINE HABITATS (ESI)

- 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



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SCALE 1:55000



1 KILOMETER  
1 MILE

# PUERTO RICO - ESIMAP 26

## BIOLOGICAL RESOURCES:

### BIRD:

RAR#	Species	S/F T/E Conc.	J F M A M J J A S O N D Nesting
142	Elfin woods warbler		X X X X X X X X X X X X MAR-AUG
	Merlin		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
	Puerto Rican broad-winged hawk	S/F E/E	X X X X X X X X X X X X JAN-AUG
	Puerto Rican parrot	S/F E/E	X X X X X X X X X X X X FEB-AUG
	Puerto Rican sharp-shinned hawk	S/F E/E	X X X X X X X X X X X X MAR-AUG
	White-crowned pigeon		X X X X X X X X X X X X MAR-SEP
149	Puerto Rican broad-winged hawk	S/F E/E	X X X X X X X X X X X X JAN-AUG
156	Puerto Rican broad-winged hawk	S/F E/E	X X X X X X X X X X X X JAN-AUG

### 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

### PLANT:

RAR#	Species	S/F T/E Conc.	J F M A M J J A S O N D
79	Pterocarpus swamp		X X X X X X X X X X X X
137	Pleodendron macranthum	S/F E/E	X X X X X X X X X X X X
142	Ilex sintenisii	S/F E/E	X X X X X X X X X X X X
143	Ternstroemia luquillensis	S/F E/E	X X X X X X X X X X X X
145	Ternstroemia subsessilis	S/F E/E	X X X X X X X X X X X X
146	Ternstroemia luquillensis	S/F E/E	X X X X X X X X X X X X
147	Callicarpa ampla	S/F E/E	X X X X X X X X X X X X
148	Ternstroemia luquillensis	S/F E/E	X X X X X X X X X X X X
	Ternstroemia subsessilis	S/F E/E	X X X X X X X X X X X X
149	Lepanthes eltoroensis	S/F E/E	X X X X X X X X X X X X
	Ternstroemia subsessilis	S/F E/E	X X X X X X X X X X X X
153	Ternstroemia luquillensis	S/F E/E	X X X X X X X X X X X X
	Ternstroemia subsessilis	S/F E/E	X X X X X X X X X X X X
154	Ternstroemia subsessilis	S/F E/E	X X X X X X X X X X X X
155	Lepanthes eltoroensis	S/F E/E	X X X X X X X X X X X X
157	Pleodendron macranthum	S/F E/E	X X X X X X X X X X X X
158	Callicarpa ampla	S/F E/E	X X X X X X X X X X X X
159	Callicarpa ampla	S/F E/E	X X X X X X X X X X X X
	Eugenia haematocarpa	S/F E/E	X X X X X X X X X X X X
160	Lepanthes eltoroensis	S/F E/E	X X X X X X X X X X X X
161	Eugenia haematocarpa	S/F E/E	X X X X X X X X X X X X
162	Styrax 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 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

### 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
142	Mottled coqui	S T	X X X X X X X X X X X X	-	-	-	JAN-DEC JAN-DEC
	Puerto Rican boa	S/F E/E	X X X X X X X X X X X X	-	-	-	JAN-DEC JAN-DEC
143	Burrow coqui		X X X X X X X X X X X X	-	-	-	JAN-DEC JAN-DEC
	Warty coqui		X X X X X X X X X X X X	-	-	-	JAN-DEC JAN-DEC
144	Burrow coqui		X X X X X X X X X X X X	-	-	-	JAN-DEC JAN-DEC
145	Burrow coqui		X X X X X X X X X X X X	-	-	-	JAN-DEC JAN-DEC
	Warty coqui		X X X X X X X X X X X X	-	-	-	JAN-DEC JAN-DEC
148	Burrow coqui		X X X X X X X X X X X X	-	-	-	JAN-DEC JAN-DEC
	Warty coqui		X X X X X X X X X X X X	-	-	-	JAN-DEC JAN-DEC
149	Burrow coqui		X X X X X X X X X X X X	-	-	-	JAN-DEC JAN-DEC
	Ground coqui		X X X X X X X X X X X X	-	-	-	JAN-DEC JAN-DEC
	Warty coqui		X X X X X X X X X X X X	-	-	-	JAN-DEC JAN-DEC
150	Burrow coqui		X X X X X X X X X X X X	-	-	-	JAN-DEC JAN-DEC
	Warty coqui		X X X X X X X X X X X X	-	-	-	JAN-DEC JAN-DEC
151	Ground coqui		X X X X X X X X X X X X	-	-	-	JAN-DEC JAN-DEC
152	Warty coqui		X X X X X X X X X X X X	-	-	-	JAN-DEC JAN-DEC
157	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

### TERRESTRIAL MAMMAL:

RAR#	Species	S/F T/E Conc.	J F M A M J J A S O N D
142	Red fruit bat		X X X X X X X X X X X X

### HUMAN USE RESOURCES:

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

62	CARIBBEAN NATIONAL FOREST	USFS	FOREST BIOLOGIST	787/888-5659
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### LOCK AND DAM:

79	ICACOS DAM	PREPA	CARLOS ORTIZ	787/874-3700
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### WATER INTAKE:

HUN#	Name	Owner/Manager	Location	Phone
152	CAIMITO CHLORINATION PLANT	PRASA		
179	CUBUY PACKAGE PLANT	PRASA		
186	EL YUNQUE FILTER PLANT	PRASA		
202	GUZMAN PACKAGE PLANT	PRASA		
216	JIMENEZ CHLORINATION PLANT	PRASA		
218	JUNCOS FILTER PLANT	PRASA		
222	LA MINA CHLORINATION PLANT	PRASA		
250	MOROVIS CHLORINATION PLANT	PRASA		
265	PUERTO KAI PACKAGE PLANT	PRASA		
308	WATER INTAKE			
311	ZARZAL CHLORINATION 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.