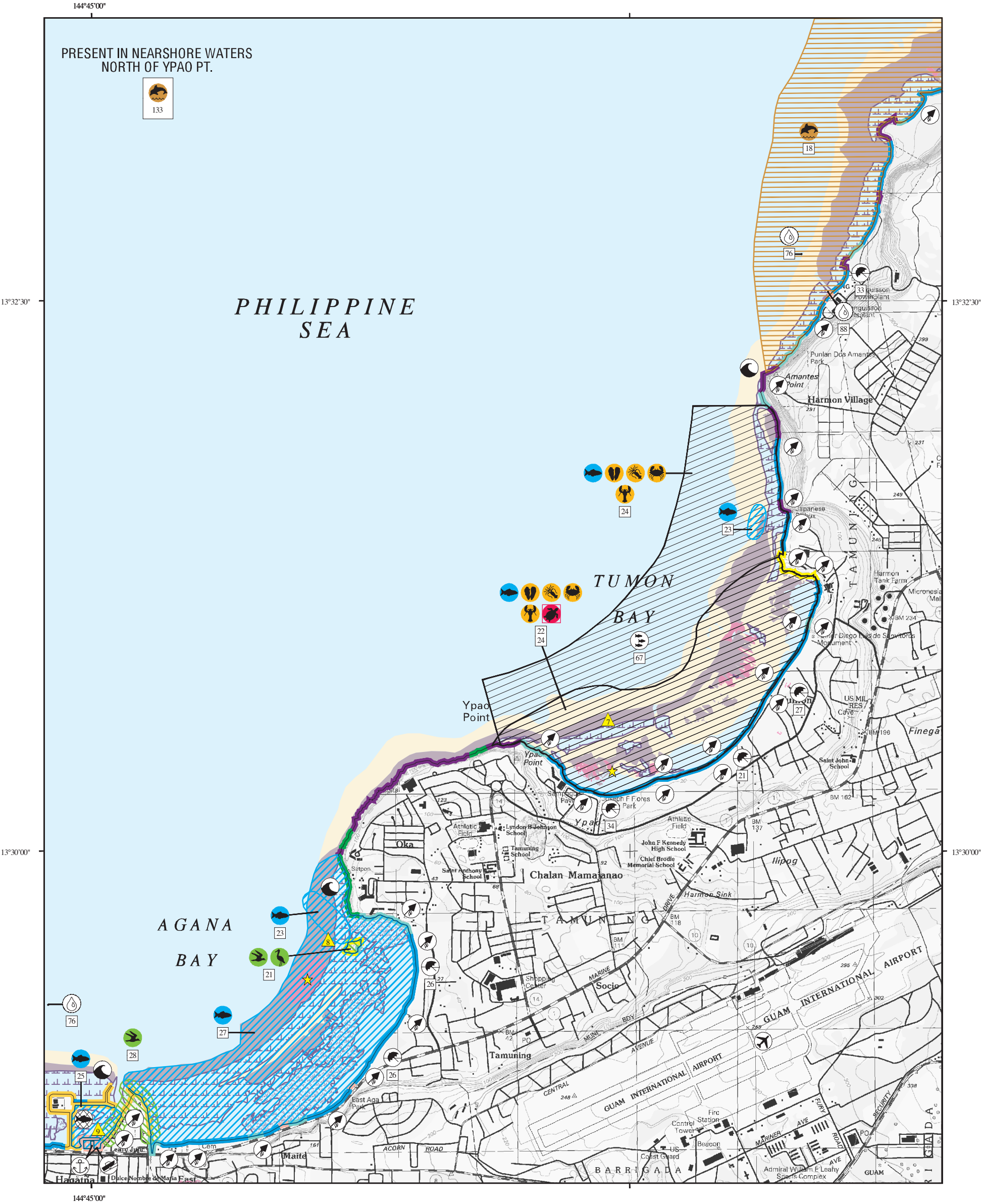


ENVIRONMENTAL SENSITIVITY INDEX MAP



PRESENT IN NEARSHORE WATERS
NORTH OF YPAO PT.



PHILIPPINE
SEA

TUMON
BAY

AGANA
BAY

Chalan Mamajanao

GUAM INTERNATIONAL AIRPORT

- SHORELINE HABITATS (ESI)
- 1A EXPOSED ROCKY SHORES
 - 1B EXPOSED, SOLID, MAN-MADE STRUCTURES
 - 2A EXPOSED WAVE-CUT PLATFORMS
 - 3A FINE-TO MEDIUM-GRAINED SAND BEACHES
 - 5 MIXED SAND AND GRAVEL BEACHES
 - 6A GRAVEL BEACHES
 - 6B RIPRAP
 - 8A SHELTERED ROCKY SHORES
 - 8B SHELTERED, SOLID MAN-MADE STRUCTURES
 - 8C SHELTERED RIPRAP
 - 9B VEGETATED LOW BANKS
 - 10A SALT- AND BRACKISH-WATER MARSHES
 - 10B FRESHWATER MARSHES
 - 10C SWAMP
 - 10D SCRUB-SHRUB WETLANDS
 - 10D MANGROVES

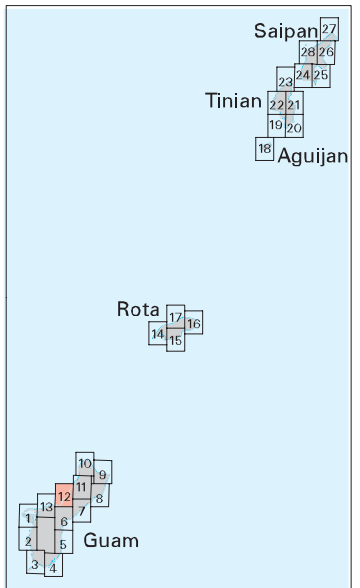


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Not For Navigation

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Hazardous Materials Response Division



GUAM ESI-12

Guam and the Northern Mariana Islands: ESIMAP 12

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting
21	Black noddy		X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	-	-
	Brown noddy		X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	-	-
	Pacific reef-heron		X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	-	-
	Terns		X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	-	-
	Yellow bittern		X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	-	-
28	White tern		X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	-	-

FISH:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
22	Rabbitfishes	HIGH					X	X							-	-	-	APR-MAY	-
23	Giant manta	HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	JAN-DEC
24	Barracudas		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Damselfishes		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Emperors		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Goatfishes		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Groupers		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Jacks		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Mackerels		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Mojarras		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Mullet		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Needlefishes		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Parrotfishes		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Porcupinefishes		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Rabbitfishes		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Requiem sharks		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Rudderfishes		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Sharks		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Snappers		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Squirrelfishes		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Surgeonfishes		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Triggerfishes		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Wrasses		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
25	Bigeye scad	HIGH							X	X	X	X	X	X	-	-	-	-	JUN-DEC
27	Rabbitfishes	HIGH				X	X								-	-	-	APR-MAY	-

INVERTEBRATE:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
24	Giant clams		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Octopus		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Spiny lobsters		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Swimming crabs		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC

MARINE MAMMAL:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Pupping	Molting
18	Bottlenose dolphin		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
133	Spinner dolphin	100	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-

REPTILE:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Hatching	Interne	sting	Juveniles	Adults
22	Green sea turtle	E T	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	JAN-DEC	-
	Hawksbill sea turtle	E E	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	JAN-DEC	-

HUMAN USE RESOURCES:

BEACH:

HUN#	Name	Contact	Phone
21	MATAPANG BEACH PARK		
26	RECREATIONAL BEACH		
27	RECREATIONAL BEACH		
33	TANGUISSON BEACH PARK		
34	YPAO BEACH PARK		

MANAGEMENT AREA:

HUN#	Name	Contact	Phone
67	TUMON BAY MARINE PROTECTED AREA	GUAM DAWR	671/735-3955

SEWAGE OUTFALL:

HUN#	Name	Contact	Phone
76	OUTFALL		

WATER INTAKE:

HUN#	Name	Contact	Phone
88	WATER INTAKE		