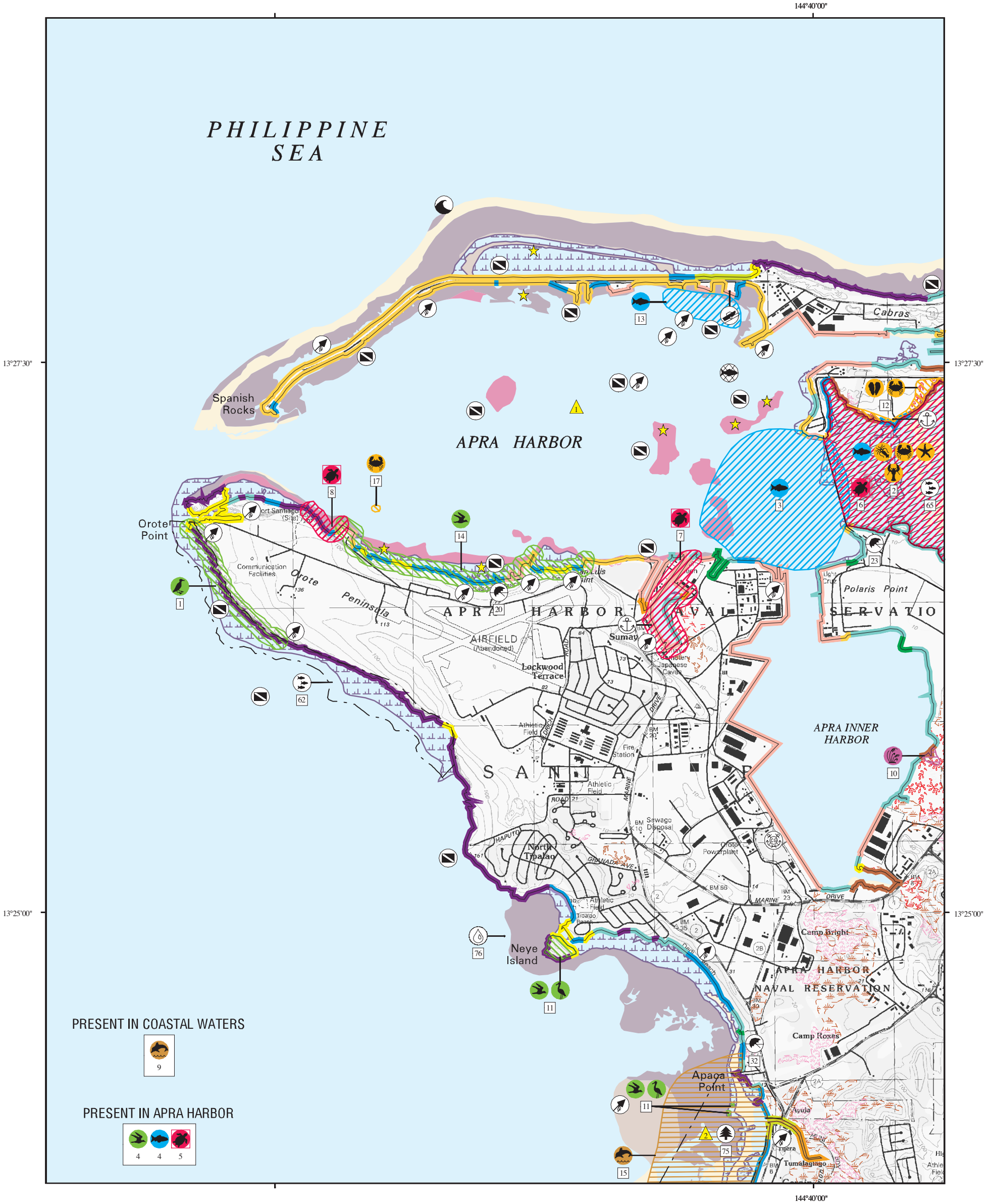
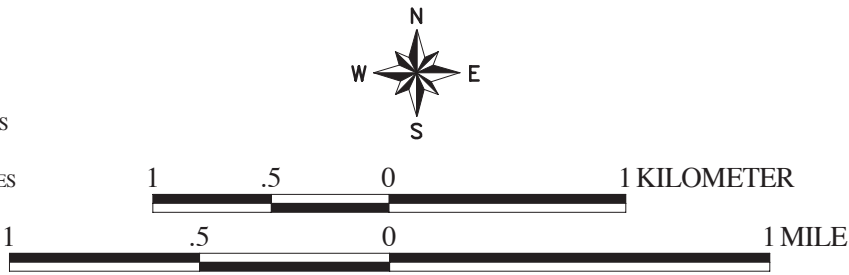


ENVIRONMENTAL SENSITIVITY INDEX MAP



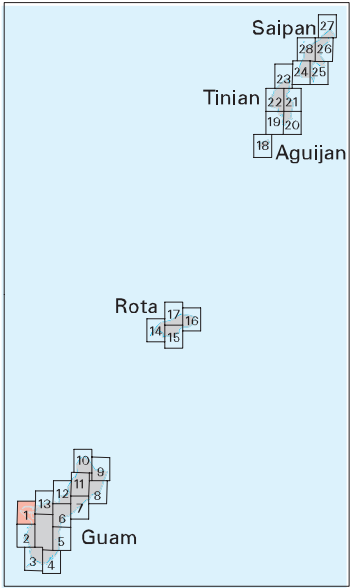
- SHORELINE HABITATS (ESI)
- 1A EXPOSED ROCKY SHORES
 - 1B EXPOSED, SOLID, MAN-MADE STRUCTURES
 - 2A EXPOSED WAVE-CUT PLATFORMS
 - 3A FINE-TO MEDIUM-GRAINED SAND BEACHES
 - 5 MIXED SAND AND GRAVEL BEACHES
 - 6A GRAVEL BEACHES
 - 6B RIPRAP
 - 8A SHELTERED ROCKY SHORES
 - 8B SHELTERED, SOLID MAN-MADE STRUCTURES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



SCALE 1:32000

Not For Navigation
August 2005

Published at Seattle, Washington
National Oceanic and Atmospheric Administration
National Ocean Service
Office of Response and Restoration
Hazardous Materials Response Division



Guam and the Northern Mariana Islands: ESIMAP 1

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Nesting	Migrating	Molting
1	Red-footed booby		X X X X X X X X X X X X	JAN-DEC	-	-
4	Brown noddy		X X X X X X X X X X X X	-	-	-
	White tern		X X X X X X X X X X X X	JAN-DEC	-	-
11	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	-	-
14	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
2	Barracudas		X X X X X X X X X X X X	-	-	-	JAN-DEC	-
	Emperors		X X X X X X X X X X X X	-	-	-	JAN-DEC	-
	Goatfishes		X X X X X X X X X X X X	-	-	-	JAN-DEC	-
	Groupers		X X X X X X X X X X X X	-	-	-	JAN-DEC	-
	Mullet		X X X X X X X X X X X X	-	-	-	JAN-DEC	-
	Parrotfishes		X X X X X X X X X X X X	-	-	-	JAN-DEC	-
	Puffers		X X X X X X X X X X X X	-	-	-	JAN-DEC	-
	Snappers		X X X X X X X X X X X X	-	-	-	JAN-DEC	-
	Surgeonfishes		X X X X X X X X X X X X	-	-	-	JAN-DEC	-
	Wrasses		X X X X X X X X X X X X	-	-	-	JAN-DEC	-
3	Scalloped hammerhead		X X X	JAN-MAR	-	-	JAN-MAR	JAN-MAR
4	Bigeye scad	HIGH		X X X X X X X X	-	-	-	JUN-DEC
	Small-toothed whiptail		X X X X X X X X X X X X	-	-	-	JAN-DEC	JAN-DEC
13	Bigeye scad	HIGH		X X X X X X X X	-	-	-	JUN-DEC

HABITAT:

RAR#	Species	S F Conc.	J F M A M J J A S O N D
10	Nipa palm		X X X X X X X X X X X X

INVERTEBRATE:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Spawning	Eggs	Larvae	Juveniles	Adults
2	Octopus		X X X X X X X X X X X X	-	-	-	JAN-DEC	JAN-DEC
	Sea cucumbers		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
12	Bivalves	HIGH	X X X X X X X X X X X X	-	-	-	JAN-DEC	JAN-DEC
	Mangrove crab		X X X X X X X X X X X X	-	-	-	JAN-DEC	JAN-DEC
17	Sponges	HIGH	X X X X X X X X X X X X	-	-	-	-	-

MARINE MAMMAL:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Mating	Calving	Pupping	Molting
9	Spinner dolphin	80	X X X X X X X X X X X X	-	-	-	-
15	Spinner dolphin	40	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	Interneesting	Juveniles	Adults
5	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	-
6	Green sea turtle	E T HIGH	X X X X X X X X X X X X	-	-	-	JAN-DEC	-
	Hawksbill sea turtle	E E HIGH	X X X X X X X X X X X X	-	-	-	JAN-DEC	-
7	Hawksbill sea turtle	E E	X X X	JAN-MAR	-	-	JAN-MAR	JAN-MAR
8	Green sea turtle	E T		X X X X	APR-JUL	-	APR-JUL	APR-JUL

HUMAN USE RESOURCES:

BEACH:

HUN#	Name	Contact	Phone
20	GABGAB BEACH		
23	POLARIS POINT		
32	RIZAL BEACH PARK		

MANAGEMENT AREA:

HUN#	Name	Contact	Phone
62	OROTE PT. ENVIRONMENTAL RESTRICTED AREA	GUAM DAWR	671/735-3955
65	SASA BAY MARINE PROTECTED AREA	GUAM DAWR	671/735-3955

NATIONAL PARK:

HUN#	Name	Contact	Phone
75	WAR IN THE PACIFIC NHP	NPS	671/472-7240

SEWAGE OUTFALL:

HUN#	Name	Contact	Phone
76	OUTFALL		