








145°50'00"

			
79	79	79	79
			
79	79	79	

15°20'00"

5°20'00"

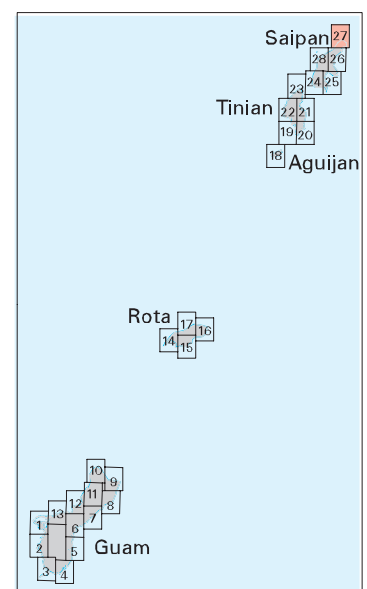
15°17'30"

 $5^{\circ}17'30''$

145°50'00"

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Hazardous Materials Response Division



SAIPAN ESI-27

Guam and the Northern Mariana Islands: ESIMAP 27

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting
94	Black-bellied plover		X	X	X							X	X	X	-	-	-
	Common sandpiper		X	X	X							X	X	X	-	-	-
	Curlews		X	X	X							X	X	X	-	-	-
	Gray-tailed tattler		X	X	X							X	X	X	-	-	-
	Greater yellowlegs		X	X	X							X	X	X	-	-	-
	Lesser yellowlegs		X	X	X							X	X	X	-	-	-
	Mongolian plover		X	X	X							X	X	X	-	-	-
	Pacific golden-plover		X	X	X							X	X	X	-	-	-
	Pacific reef-heron		X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	-	-
	Ruddy turnstone		X	X	X							X	X	X	-	-	-
	Shorebirds	40	X	X	X	X						X	X	X	-	-	-
	Stints		X	X	X							X	X	X	-	-	-
	Wandering tattler		X	X	X							X	X	X	-	-	-
	Whimbrel		X	X	X							X	X	X	-	-	-
98	White tern	HIGH	X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	-	-
99	Black noddy		X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	-	-
	Brown noddy	500-600	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	-
101	Red-tailed tropicbird		X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	-	-
	White-tailed tropicbird		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
79	Bigeyes		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Butterflyfishes		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
	Fusiliers		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
	Milkfish		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
	Parrotfishes		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
	Rudderfishes		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Skipjack tuna	HIGH	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	JAN-DEC
	Soldierfishes		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	APR-FEB
	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
	Sweetlips		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
	Unicornfishes		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
88	Bigeyes		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Butterflyfishes		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
	Fusiliers		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
	Grunts		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
	Milkfish		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
	Parrotfishes		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
	Rudderfishes		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
	Soldierfishes		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	APR-FEB
	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
	Unicornfishes		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

INVERTEBRATE:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
79	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
	Reef invertebrates	HIGH	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
	Slipper lobsters		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
88	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
	Sea cucumbers		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Slipper lobsters		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

MARINE MAMMAL:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Pupping	Molting
79	Spinner dolphin		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
95	Spinner dolphin		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
100	Spinner dolphin	COMMON	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	Interesting	Juveniles	Adults
35	Green sea turtle	E T				X	X	X	X						APR-JUL	-	-	APR-JUL	APR-JUL
85	Green sea turtle	E T	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC

HUMAN USE RESOURCES:

BEACH:

HUN#	Name	Contact	Phone
31	RECREATIONAL BEACH		

MANAGEMENT AREA:

HUN#	Name	Contact	Phone
54	BIRD ISLAND MARINE SANCTUARY	CNMI DFW	670/664-6000
55	BIRD ISLAND WILDLIFE CONSERVATION AREA	CNMI DFW	670/664-6000

NATIONAL PARK:

HUN#	Name	Contact	Phone
74	MARPI POINT NATIONAL HISTORIC LANDMARK	NPS	

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.