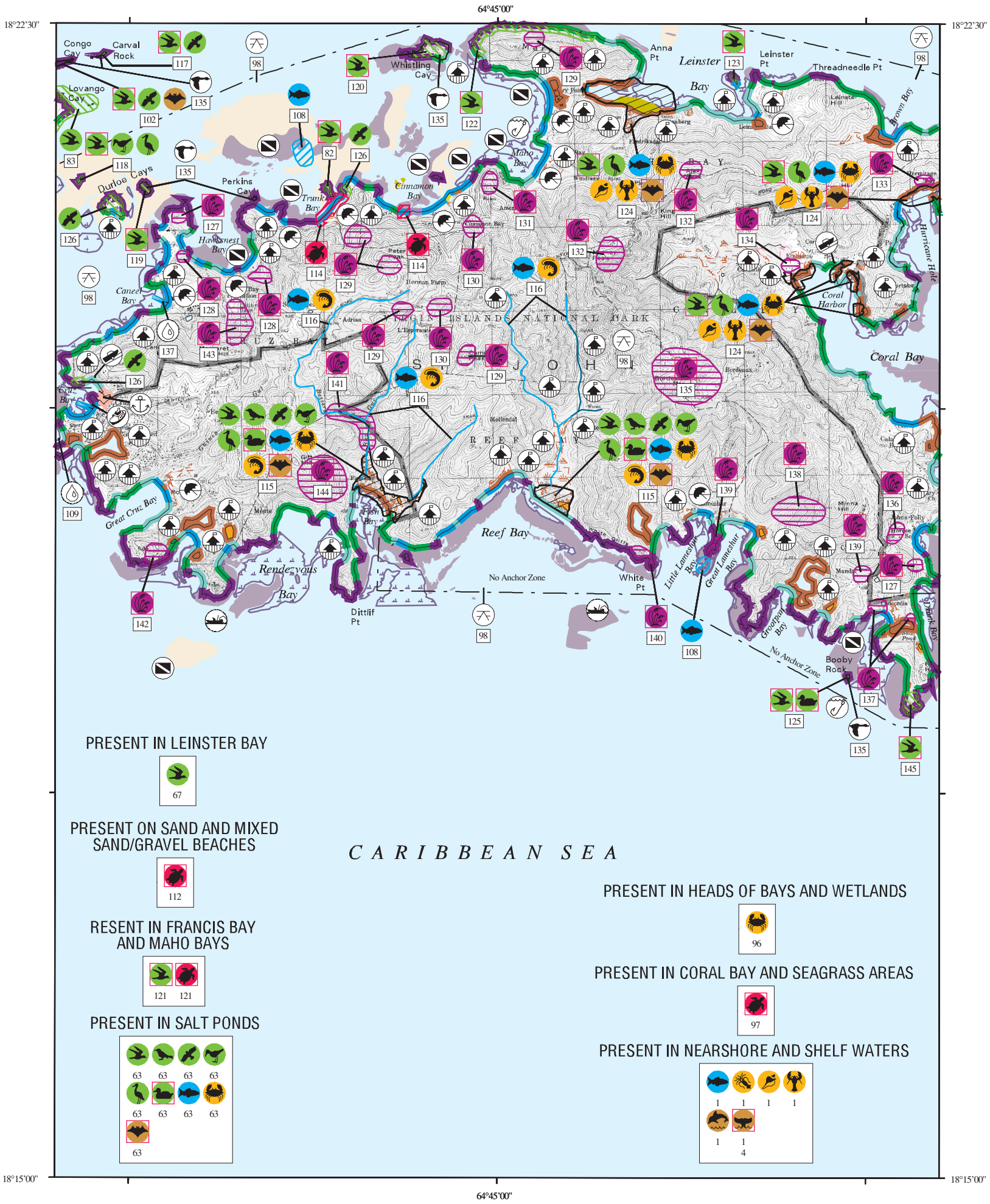
ENVIRONMENTAL SENSITIVITY INDEX MAP



SHORELINE HABITATS (ESI)

- 1A EXPOSED ROCKY CLIFFS
- 1B EXPOSED, SOLID MAN–MADE STRUCTURES
- 2A EXPOSED WAVE–CUT PLATFORMS IN BEDROCK
- 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
- 10D MANGROVES
- SALT– AND BRACKISH–WATER MARSHES
- FRESHWATER MARSHES
- FRESHWATER SWAMPS
- FRESHWATER SCRUB/SHRUB

N W E S

SCALE 1:55000

1 .5 0 1 KILOMETER

1 .5 0 1 MILE

Not For Navigation

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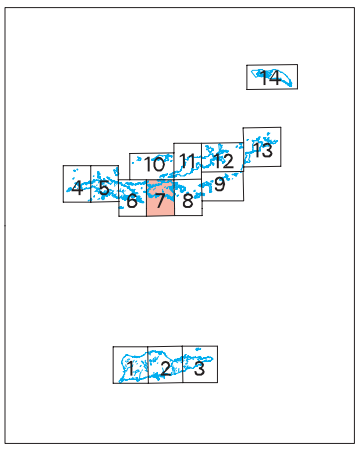
National Ocean Service
Office of Response and Restoration
Hazardous Materials Response Division



WESTERN ST. JOHN, V.I. (1982) VI-7

VIRGIN ISLANDS - ESIMAP 7

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S/F	T/E	Conc	J	F	M	A	M	J	J	A	S	O	N	D	Nesting
63	American coot				X	X	X	X	X	X	X	X	X	X	X	X	-
	Belted kingfisher				X	X	X	X					X	X	X	X	-
	Black-necked stilt							X	X	X	X	X	X	X			APR-OCT
	Blue-winged teal				X	X	X	X						X	X	X	-
	Caribbean coot	S	E		X	X	X	X	X	X	X	X	X	X	X	X	-
	Common moorhen				X	X	X	X	X	X	X	X	X	X	X	X	-
	Gulls				X	X	X	X	X	X	X	X	X	X	X	X	-
	Magnificent frigatebird				X	X	X	X	X	X	X	X	X	X	X	X	-
	Osprey				X	X	X	X					X	X	X	X	-
	Passerine birds				X	X	X	X	X	X	X	X	X	X	X	X	-
	Ruddy duck	S	E		X	X	X	X	X	X	X	X	X	X	X	X	-
	Shorebirds				X	X	X	X	X			X	X	X	X	X	-
	Terns				X	X	X	X	X	X	X	X	X	X	X	X	-
	Wading birds				X	X	X	X	X	X	X	X	X	X	X	X	-
	White-cheeked pintail	S	E		X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC
	Wilson's plover				X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL
67	Seabirds			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-
82	Brown pelican	S/F	E/E		X	X	X	X	X	X	X	X	X	X	X	X	-
	Seabirds				X	X	X	X	X	X	X	X	X	X	X	X	-
83	Seabirds				X	X	X	X	X	X	X	X	X	X	X	X	-
102	Bridled tern			<50					X	X	X	X	X				MAY-AUG
	Brown noddy			20-40	X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG
	Brown pelican	S/F	E/E	75-150	X	X	X	X	X	X	X	X	X	X	X	X	AUG-FEB
	Peregrine falcon				X	X	X	X	X					X	X	X	-
	Red-billed tropicbird			15-30	X	X	X	X	X	X				X	X	X	OCT-JUN
	Seabirds				X	X	X	X	X	X	X	X	X	X	X	X	-
	White-tailed tropicbird	S	E	5-10			X	X	X	X	X	X					MAR-AUG
115	American coot				X	X	X	X	X	X	X	X	X	X	X	X	-
	Belted kingfisher				X	X	X	X					X	X	X	X	-
	Black-necked stilt							X	X	X	X	X	X	X			APR-OCT
	Blue-winged teal				X	X	X	X						X	X	X	-
	Caribbean coot	S	E		X	X	X	X	X	X	X	X	X	X	X	X	-
	Common moorhen				X	X	X	X	X	X	X	X	X	X	X	X	-
	Gulls				X	X	X	X	X	X	X	X	X	X	X	X	-
	Magnificent frigatebird				X	X	X	X	X	X	X	X	X	X	X	X	-
	Osprey				X	X	X	X					X	X	X	X	-
	Passerine birds				X	X	X	X	X	X	X	X	X	X	X	X	-
	Ruddy duck	S	E		X	X	X	X	X	X	X	X	X	X	X	X	-
	Shorebirds				X	X	X	X	X			X	X	X	X	X	-
	Terns				X	X	X	X	X	X	X	X	X	X	X	X	-
	Wading birds				X	X	X	X	X	X	X	X	X	X	X	X	-
	White-cheeked pintail	S	E		X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC
	Wilson's plover				X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL
117	Bridled tern			10-30				X	X	X	X	X					MAY-AUG
	Brown noddy			25-75	X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG
	Osprey				X	X	X	X					X	X	X	X	-
	Red-billed tropicbird			10-15	X	X	X	X	X	X				X	X	X	OCT-JUN
	Roseate tern	S/F	E/T	77				X	X	X	X	X	X				MAY-AUG
	Seabirds				X	X	X	X	X	X	X	X	X	X	X	X	-
118	American oystercatcher				X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG
	Roseate tern	S/F	E/T					X	X	X	X	X	X				MAY-AUG
	Seabirds				X	X	X	X	X	X	X	X	X	X	X	X	-
	Yellow-crowned night-heron				X	X	X	X	X	X	X	X	X	X	X	X	-
119	Roseate tern	S/F	E/T					X	X	X	X	X	X				MAY-AUG
	Seabirds				X	X	X	X	X	X	X	X	X	X	X	X	-
120	Brown pelican	S/F	E/E	5-30	X	X	X	X	X	X	X	X	X	X	X	X	AUG-FEB
121	Brown pelican	S/F	E/E		X	X	X	X	X	X	X	X	X	X	X	X	-
	Seabirds				X	X	X	X	X	X	X	X	X	X	X	X	-
122	Brown pelican	S/F	E/E		X	X	X	X	X	X	X	X	X	X	X	X	AUG-FEB
	Red-billed tropicbird				X	X	X	X	X	X				X	X	X	OCT-JUN
123	Brown pelican	S/F	E/E		X	X	X	X	X	X	X	X	X	X	X	X	AUG-FEB
125	Bridled tern			5-20				X	X	X	X	X					MAY-AUG
	Laughing gull			5-20				X	X	X	X	X	X				JUN-AUG
	Roseate tern	S/F	E/T	7				X	X	X	X	X	X				MAY-AUG
	White-cheeked pintail	S	E		X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC
126	Peregrine falcon				X	X	X	X	X					X	X	X	-
145	Red-billed tropicbird				X	X	X	X	X	X				X	X	X	OCT-JUN
	White-tailed tropicbird	S	E				X	X	X	X	X	X					MAR-AUG
147	Brown pelican	S/F	E/E		X	X	X	X	X	X	X	X	X	X	X	X	-
	Wading birds				X	X	X	X	X	X	X	X	X	X	X	X	-

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
1	Pelagic fish				X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
	Reef fish				X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
63	Common snook				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Great barracuda				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	-
	Nursery fish				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Tarpon				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
108	Dwarf herring (blue fry)			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	JAN-DEC	JAN-DEC	-	JAN-DEC
115	Common snook				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Great barracuda				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Mountain mullet								X	X		X	X	X	X		-	-	APR-MAY AUG-NOV	-	-
	Mullet				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Nursery fish				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Tarpon				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
116	Mountain mullet				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
147	Common snook				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Great barracuda				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	-
	Grunts				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Mojarras				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Nursery fish				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Parrotfish				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
	Tarpon				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-

VIRGIN ISLANDS - ESIMAP 7 cont.

BIOLOGICAL RESOURCES: cont.

PLANT:

RAR#	Species	S/F	T/E	Conc	J	F	M	A	M	J	J	A	S	O	N	D
127	Eugenia sp.	S	E		X	X	X	X	X	X	X	X	X	X	X	X
128	Malpighia woodburyana	S	E		X	X	X	X	X	X	X	X	X	X	X	X
129	Peperomia myrtifolia	S	E		X	X	X	X	X	X	X	X	X	X	X	X
130	Schoepfia schreberi	S	E		X	X	X	X	X	X	X	X	X	X	X	X
131	Galactia eggersii	S	E		X	X	X	X	X	X	X	X	X	X	X	X
132	Erythrina eggersii	S	E		X	X	X	X	X	X	X	X	X	X	X	X
133	Cypselea humifusa	S	E		X	X	X	X	X	X	X	X	X	X	X	X
134	Solanum mucronatum	S	E		X	X	X	X	X	X	X	X	X	X	X	X
135	Calyptranthes thomasiana	S/F	E/E		X	X	X	X	X	X	X	X	X	X	X	X
	Ilex urbaniana	S	E		X	X	X	X	X	X	X	X	X	X	X	X
	Schoepfia schreberi	S	E		X	X	X	X	X	X	X	X	X	X	X	X
136	Zanthoxylum thomasianum	S/F	E/E		X	X	X	X	X	X	X	X	X	X	X	X
137	Malpighia sp.	S	E		X	X	X	X	X	X	X	X	X	X	X	X
138	Erythrina eggersii	S	E		X	X	X	X	X	X	X	X	X	X	X	X
	Malpighia woodburyana	S	E		X	X	X	X	X	X	X	X	X	X	X	X
139	Malpighia linearis	S	E		X	X	X	X	X	X	X	X	X	X	X	X
140	Byrsonima sp.	S	E		X	X	X	X	X	X	X	X	X	X	X	X
	Eugenia sp.	S	E		X	X	X	X	X	X	X	X	X	X	X	X
141	Erythrina eggersii	S	E		X	X	X	X	X	X	X	X	X	X	X	X
	Tillandsia lineatispica	S	E		X	X	X	X	X	X	X	X	X	X	X	X
142	Byrsonima sp.	S	E		X	X	X	X	X	X	X	X	X	X	X	X
	Psidium sp.	S	E		X	X	X	X	X	X	X	X	X	X	X	X
143	Malpighia woodburyana	S	E		X	X	X	X	X	X	X	X	X	X	X	X
	Peperomia myrtifolia	S	E		X	X	X	X	X	X	X	X	X	X	X	X
144	Machaonia woodburyana	S	E		X	X	X	X	X	X	X	X	X	X	X	X
	Tillandsia lineatispica	S	E		X	X	X	X	X	X	X	X	X	X	X	X
	Zanthoxylum thomasianum	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	Spawn/Mate	Eggs	Larvae	Juveniles	Adults
1	Caribbean spiny lobster				X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
	Octopus				X	X	X	X	X	X	X	X	X	X	X	X	DEC-MAR	DEC-APR	-	JAN-DEC	JAN-DEC
	Queen conch				X	X	X	X	X	X	X	X	X	X	X	X	APR-OCT	APR-OCT	APR-OCT	JAN-DEC	JAN-DEC
63	Land crabs				X	X	X	X	X	X	X	X	X	X	X	X	JUL-AUG	JUL-AUG	JUL-SEP	JAN-DEC	JAN-DEC
96	Land crabs				X	X	X	X	X	X	X	X	X	X	X	X	JUL-AUG	JUL-AUG	JUL-SEP	JAN-DEC	JAN-DEC
115	Land crabs				X	X	X	X	X	X	X	X	X	X	X	X	JUL-AUG	JUL-AUG	JUL-SEP	JAN-DEC	JAN-DEC
	Native stream shrimp							X	X		X	X	X	X			-	-	APR-MAY AUG-NOV	-	-
116	Native stream shrimp				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
147	Caribbean spiny lobster				X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-OCT	JAN-DEC	-
	Land crabs				X	X	X	X	X	X	X	X	X	X	X	X	JUL-AUG	JUL-AUG	JUL-SEP	JAN-DEC	JAN-DEC
	Queen conch				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-

MARINE MAMMAL:

RAR#	Species	S/F	T/E	Conc	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving
1	Dolphins				X	X	X	X	X	X	X	X	X	X	X	X	-	-
	Whales				X	X	X	X	X	X	X	X	X	X	X	X	-	-
4	Humpback whale	S/F	E/E	MODERATE	X	X	X	X	X						X	X	NOV-MAY	NOV-MAY

REPTILE:

RAR#	Species	S/F	T/E	Conc	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Hatching	Juveniles	Adults
97	Green sea turtle	S/F	E/T	HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	JAN-DEC	-
112	Hawksbill sea turtle	S/F	E/E		X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
114	Hawksbill sea turtle	S/F	E/E		X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
	Leatherback sea turtle	S/F	E/E				X	X	X	X	X	X	X				MAR-JUL	MAY-SEP	MAY-SEP	MAR-AUG
121	Green sea turtle	S/F	E/T	HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	JAN-DEC	-

TERRESTRIAL MAMMAL:

RAR#	Species	S/F	T/E	Conc	J	F	M	A	M	J	J	A	S	O	N	D
63	Fisherman bat	S	E		X	X	X	X	X	X	X	X	X	X	X	X
102	Bats				X	X	X	X	X	X	X	X	X	X	X	X
115	Fisherman bat	S	E		X	X	X	X	X	X	X	X	X	X	X	X
147	Fisherman bat	S	E		X	X	X	X	X	X	X	X	X	X	X	X

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HUMAN USE RESOURCES:

NATIONAL PARK:

HUN#	Name	Owner/Manager	Contact	Phone
98	VIRGIN ISLANDS NATIONAL PARK	NPS	CHIEF OF RESOURCE MANAGEMENT	340/693-8950

WATER INTAKE:

HUN#	Name	Owner/Manager	Contact	Phone
137	DESALINATION PLANT	CANEEL BAY HOTEL		
109	DESALINATION PLANT	WAPA		340/773-4379

WILDLIFE REFUGE:

HUN#	Name	Owner/Manager	Contact	Phone
135	USVI WILDLIFE SANCTUARY	USVI DPNR	DIVISION OF FISH AND WILDLIFE	340/775-6762

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.