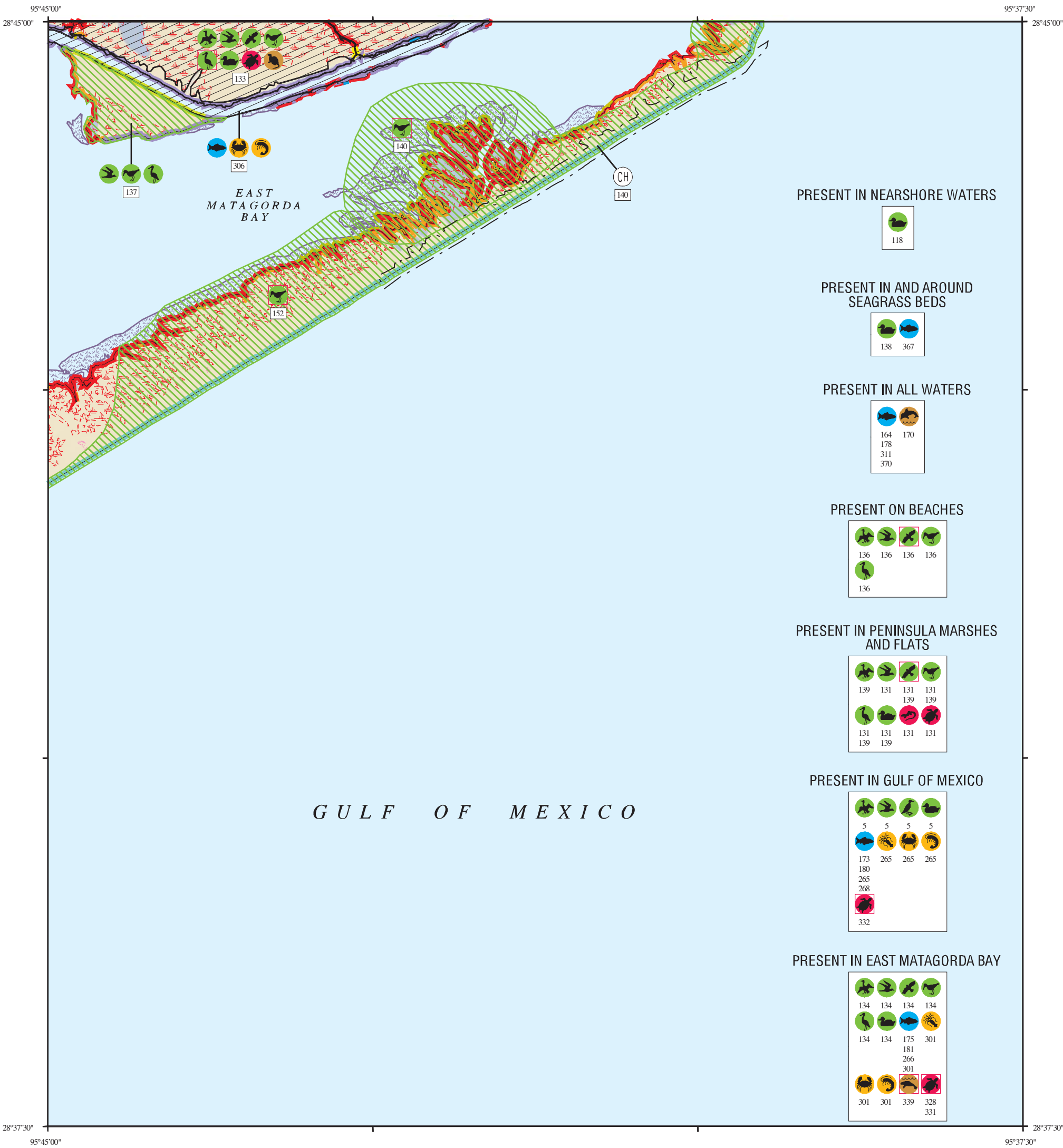


ENVIRONMENTAL SENSITIVITY INDEX MAP



SHORELINE HABITATS (ESI)

- 1B EXPOSED, SOLID MAN-MADE STRUCTURES
- 2A EXPOSED WAVE-CUT PLATFORMS IN CLAY
- 2B EXPOSED SCARPS AND STEEP SLOPES IN CLAY
- 3A FINE- TO MEDIUM-GRAINED SAND BEACHES
- 3B SCARPS AND STEEP SLOPES IN SAND
- 5 MIXED SAND AND GRAVEL (SHELL) BEACHES
- 6A GRAVEL BEACHES
- 6B RIPRAP
- 7 EXPOSED TIDAL FLATS
- 8A SHELTERED SCARPS IN CLAY OR BEDROCK
- 8B SHELTERED, SOLID MAN-MADE STRUCTURES
- 8C SHELTERED RIPRAP
- 9A SHELTERED TIDAL FLATS
- 10A SALT-AND BRACKISH-WATER MARSHES
- 10B FRESHWATER MARSHES
- 10C SWAMPS
- 10D SCRUB-SHRUB WETLANDS

SCALE 1:50000

1 KILOMETER

1 MILE

1 NAUTICAL MILE

Not For Navigation
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TEXAS

GULF OF MEXICO

Upper Texas Coast: ESIMAP 58

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting
-----	-----	-----	-	-	-	-	-	-	-	-	-	-	-	-	-----	-----	-----
5	American white pelican	COMMON	X	X	X	X	X			X	X	X	X	X	-	-	-
	Brown pelican	COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Bufflehead	UNCOMMON	X	X	X								X	X	-	-	-
	Canvasback	UNCOMMON	X	X	X							X	X	X	-	-	-
	Cormorants	COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Diving birds		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Diving ducks		X	X	X	X					X	X	X		-	-	-
	Greater scaup	UNCOMMON	X	X	X								X	X	-	-	-
	Grebes	UNCOMMON	X	X	X	X	X			X	X	X	X		-	-	-
	Gulls	COMMON-ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Lesser scaup	COMMON	X	X	X	X						X	X	X	-	-	-
	Loons		X	X	X	X						X	X	X	-	-	-
	Magnificent frigatebird	COMMON					X	X	X	X	X	X	X		-	-	-
	Masked booby	UNCOMMON			X	X	X	X	X	X	X	X	X		-	-	-
	Northern gannet	COMMON	X	X	X	X					X	X	X		-	-	-
	Scoters	RARE	X	X	X	X							X	X	-	-	-
	Shearwaters	UNCOMMON								X	X	X	X		-	-	-
	Storm-petrels	RARE					X	X	X						-	-	-
	Terns	COMMON-ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
118	Redhead	1000-20000 BIRDS	X	X	X								X	X	X	-	-
131	Gulls		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Least tern				X	X	X	X	X	X	X	X			-	-	-
Peregrine falcon			T	X	X	X	X			X	X	X	X	X	-	-	-
	Shorebirds	HIGH		X	X	X	X	X		X	X	X	X	X	-	-	-
	Snowy plover	HIGH		X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	-	-
	Terns			X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Wading birds	HIGH		X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Waterfowl			X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Wilson's plover	HIGH			X	X	X	X	X	X	X				APR-JUL	-	-
	American avocet	100S		X	X	X	X	X		X	X	X	X	X	-	MAR-APR JUL-NOV	-
	American oystercatcher	10S		X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Black skimmer	100S		X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Black-bellied plover	100S		X	X	X	X	X	X	X	X	X	X	X	-	MAR-MAY JUL-NOV	-
	Black-necked stilt	10S			X	X	X	X	X	X	X	X	X		-	-	-
	Dabbling ducks	HIGH		X	X	X	X			X	X	X	X		-	-	-
	Diving birds			X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Dowitchers	1000S		X	X	X	X	X		X	X	X	X	X	-	MAR-MAY JUL-NOV	-
	Dunlin	1000S		X	X	X	X	X		X	X	X	X		-	-	-
	Killdeer	10S		X	X	X	X	X	X	X	X	X	X	X	-	DEC-MAR	-
	Long-billed curlew	PRESENT		X	X	X	X	X	X	X	X	X	X	X	-	FEB-APR JUN-NOV	-
	Marbled godwit	10S		X	X	X	X			X	X	X	X	X	-	MAR-APR JUL-NOV	-
	Marsh birds			X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Raptors			X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Red knot	PRESENT			X	X	X			X	X	X	X		-	-	-
	Reddish egret	T PRESENT		X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Sandhill crane	HIGH		X	X	X					X	X	X		-	-	-
	Shorebirds	1000S		X	X	X	X	X		X	X	X	X	X	-	-	-
	Wading birds			X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Waterfowl			X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Western sandpiper	1000S		X	X	X	X	X	X	X	X	X	X	X	-	FEB-MAY JUL-NOV	-
	Willet	100S		X	X	X	X	X	X	X	X	X	X	X	-	APR-APR AUG-AUG	-
	Yellowlegs	100S		X	X	X	X	X		X	X	X	X	X	-	MAR-MAY JUL-NOV	-
	Black skimmer			X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Cormorants			X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Dabbling ducks			X	X	X	X			X	X	X	X		-	-	-
	Diving ducks			X	X	X	X			X	X	X			-	-	-
	Geese			X	X	X	X				X	X	X		-	-	-
134	Grebes			X	X	X	X	X		X	X	X	X		-	-	-
	Gulls			X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Loons			X	X	X	X				X	X	X		-	-	-
	Pelicans			X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Raptors			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	-	-	-
	Wading birds			X	X	X	X	X	X	X	X	X	X	X	-	-	-
	American avocet			X	X	X	X	X		X	X	X	X	X	-	MAR-APR JUL-NOV	-
	Black-bellied plover	100S		X	X	X	X	X	X	X	X	X	X	X	-	MAR-MAY JUL-NOV	-
	Black-necked stilt				X	X	X	X	X	X	X	X	X		-	-	-
	Brown pelican			X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Least tern				X	X	X	X	X	X	X				-	-	-
	Peregrine falcon	T		X	X	X	X			X	X	X	X	X	-	-	-
	Red knot	HIGH			X	X	X			X	X	X	X		-	-	-
	Sanderling	100S		X	X	X	X	X		X	X	X	X		-	APR-MAY AUG-AUG	-
	Shorebirds	100S		X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Snowy plover			X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	-	-
	Wading birds			X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Wilson's plover				X	X	X	X	X	X					APR-JUL	-	-
137	Gulls			X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Shorebirds	HIGH		X	X	X	X	X		X	X	X	X	X	-	-	-
	Terns			X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Wading birds	HIGH		X	X	X	X	X	X	X	X	X	X	X	-	-	-
138	Dabbling ducks			X	X	X	X			X	X	X	X		-	-	-
	Redhead	HIGH		X	X	X					X	X	X		-	-	-
	Scaup	HIGH		X	X	X	X				X	X	X		-	-	-
	Waterfowl	HIGH		X	X	X	X	X	X	X	X	X	X	X	-	-	-
139	Diving birds			X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Marsh birds			X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Raptors			X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Shorebirds	HIGH		X	X	X	X			X	X	X	X	X	-	-	-
	Wading birds	HIGH		X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Waterfowl	HIGH		X	X	X	X	X	X	X	X	X	X	X	-	-	-
140	Piping plover	T T 70 INDIV		X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Snowy plover	3 INDIV		X	X	X	X	X	X	X	X	X	X	X	-	-	-
152	Piping plover	T T 17 INDIV		X	X	X	X	X	X	X	X	X	X	X	-	-	-

FISH:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
-----	-----	-----	-	-	-	-	-	-	-	-	-	-	-	-	-----	-----	-----	-----	-----
164	Atlantic sharpnose shark					X	X	X	X	X	X	X			-	-	-	APR-OCT	-

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.

Upper Texas Coast: ESIMAP 58 (cont.)
BIOLOGICAL RESOURCES: (cont.)

FISH: (cont.)

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
173	Bonnethead shark		X	X	X	X	X	X	X	X	X	X	X	X	-	SEP-NOV	-	FEB-MAR NOV-DEC	FEB-DEC
	Tarpon	COMMON						X	X	X	X	X			-	-	-	-	JUN-OCT
175	Bonnethead shark				X	X	X	X	X	X	X	X	X		-	SEP-NOV	-	APR-NOV	-
178	Bull shark	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		-	MAY-AUG	MAY-AUG	APR-NOV	JAN-DEC
180	Blacktip shark				X	X	X	X	X	X	X	X	X		-	-	-	MAR-DEC	MAR-DEC
181	Blacktip shark				X	X	X	X	X	X	X	X			MAY-JUN	MAY-JUN	MAY-NOV	MAR-NOV	MAY-JUN
265	Atlantic bumper					X	X	X	X	X	X				-	-	-	-	MAY-NOV
	Atlantic croaker	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		AUG-APR	-	-	APR-NOV	JAN-DEC
	Atlantic spadefish		X	X	X	X	X	X	X	X	X	X	X		-	-	-	APR-NOV	JAN-DEC
	Atlantic tripletail		X	X	X	X	X	X	X	X	X	X	X		-	-	-	-	-
	Banded drum				X	X	X	X	X						-	-	-	-	-
	Bay anchovy		X	X	X	X	X	X	X	X	X	X	X		MAR-NOV	MAR-NOV	MAR-NOV	JAN-DEC	JAN-DEC
	Black drum		X	X	X	X	X	X	X	X	X	X	X		FEB-JUL	-	MAR-JUL	AUG-JAN	JAN-DEC
	Blackfin tuna						X	X	X	X	X				-	-	-	-	MAY-OCT
	Cobia						X	X	X	X					-	-	-	-	-
	Crevalle jack		X	X	X	X	X	X	X	X	X	X	X		-	-	MAR-NOV	-	JAN-DEC
	Florida pompano		X	X	X	X	X	X	X	X	X	X	X		-	-	MAY-AUG	MAY-DEC	JAN-DEC
	Gafftopsail catfish						X	X	X	X					-	-	-	-	-
	Gray snapper		X	X	X	X	X	X	X	X	X	X	X		-	-	APR-NOV	JAN-DEC	JAN-DEC
	Gray triggerfish	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		-	-	-	-	JAN-DEC
	Greater amberjack		X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	JAN-DEC
	Gulf butterfish	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	JAN-DEC
	Gulf menhaden				X	X	X	X	X	X					JUL-OCT	-	-	-	MAR-OCT
	Hardhead catfish		X	X	X	X	X	X	X	X	X	X	X		MAY-SEP	-	-	-	JAN-DEC
	King mackerel					X	X	X	X	X					-	-	-	-	MAY-OCT
	Lane snapper		X	X	X	X	X	X	X	X	X	X	X		-	-	-	-	-
	Pinfish		X	X	X	X	X	X	X	X	X	X	X		AUG-APR	-	-	-	JAN-DEC
	Red drum		X	X	X	X	X	X	X	X	X	X	X		AUG-OCT	-	-	-	JAN-DEC
	Red snapper		X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	JAN-DEC
	Sand seatrout	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		MAR-SEP	MAR-SEP	MAR-SEP	-	SEP-FEB
	Sheepshead		X	X	X	X	X	X	X	X	X	X	X		-	-	JAN-MAY	-	JAN-DEC
	Silver perch	HIGHLY ABUNDANT	X	X									X		-	-	-	-	DEC-FEB
	Silver seatrout		X	X	X	X	X	X	X	X	X	X	X		-	-	-	-	-
	Southern flounder		X	X						X	X	X	X		SEP-FEB	-	-	OCT-DEC	SEP-FEB
	Southern kingfish					X	X	X	X	X					-	-	-	-	JUN-OCT
	Spanish mackerel	ABUNDANT			X	X	X	X	X	X	X	X	X		MAY-SEP	MAY-SEP	-	MAR-NOV	MAR-NOV
	Spot		X	X	X	X	X	X	X	X			X		DEC-APR	-	-	-	DEC-SEP
	Spotted seatrout		X	X						X	X	X	X		-	-	-	-	SEP-FEB
	Star drum	COMMON	X	X	X	X	X	X	X	X	X	X	X		-	-	-	-	JAN-DEC
266	Tarpon	RARE			X	X	X	X	X	X	X	X			-	-	-	MAR-NOV	-
268	Striped mullet	ABUNDANT	X	X						X	X	X	X		OCT-DEC	-	-	-	SEP-FEB
301	Atlantic croaker	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		-	-	JAN-JUN	JAN-DEC	APR-DEC
	Atlantic spadefish	RARE				X	X	X	X						-	-	-	JUL-OCT	-
	Bay anchovy	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		MAR-NOV	MAR-NOV	MAR-NOV	APR-NOV	JAN-DEC
	Bay whiff	COMMON	X	X	X	X	X	X	X	X	X	X	X		-	-	-	MAR-DEC	JAN-DEC
	Black drum	COMMON	X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	JAN-DEC
	Common snook	VERY RARE			X	X	X	X	X	X	X				-	-	-	APR-NOV	-
	Crevalle jack	COMMON			X	X	X	X	X	X	X				-	-	-	APR-NOV	-
	Gafftopsail catfish	COMMON			X	X	X	X	X	X					APR-MAY	-	-	APR-OCT	APR-OCT
	Gizzard shad	RARE	X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	JAN-DEC
	Gray snapper	COMMON	X	X	X	X	X	X	X	X	X	X	X		-	-	-	AUG-OCT	JAN-DEC
	Gulf killifish	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		MAR-SEP	MAR-SEP	MAR-OCT	JAN-DEC	JAN-DEC
	Gulf menhaden	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	MAY-NOV
	Hardhead catfish	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		MAY-AUG	MAY-SEP	MAY-SEP	MAY-OCT	JAN-DEC
	Pinfish	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		-	-	-	FEB-NOV	JUN-JAN
	Red drum	COMMON	X	X	X	X	X	X	X	X	X	X	X		-	-	AUG-NOV	JAN-DEC	JAN-DEC
	Sand seatrout	COMMON	X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	JAN-DEC
	Sheepshead	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		-	-	-	NOV-AUG	JAN-DEC
	Silver perch	COMMON	X	X	X	X	X	X	X	X	X	X	X		MAY-SEP	MAY-SEP	MAY-SEP	JAN-DEC	JAN-DEC
	Silversides	COMMON	X	X	X	X	X	X	X	X	X	X	X		MAR-AUG	MAR-AUG	MAR-AUG	JAN-DEC	JAN-DEC
	Southern flounder	COMMON	X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	JAN-DEC
	Southern kingfish	COMMON			X	X	X	X	X						-	-	-	JUN-NOV	-
	Spot	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		-	-	-	FEB-OCT	FEB-NOV
	Spotfin mojarra	COMMON				X	X	X	X						-	-	-	-	-
	Spotted seatrout	COMMON	X	X	X	X	X	X	X	X	X	X	X		MAR-OCT	MAR-OCT	MAR-OCT	JUN-NOV	JAN-DEC
	Striped mullet	COMMON	X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	JAN-DEC
	White mullet	COMMON				X	X	X	X	X					-	-	-	MAY-OCT	-
306	Atlantic croaker	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		-	-	JAN-JUN	JAN-DEC	MAY-DEC
	Atlantic spadefish	RARE			X	X	X	X	X	X	X	X	X		-	-	-	MAR-DEC	-
	Bay anchovy	COMMON	X	X	X	X	X	X	X	X	X	X	X		MAR-NOV	MAR-NOV	MAR-NOV	JAN-NOV	JAN-DEC
	Bay whiff	RARE	X	X	X	X	X	X	X	X	X	X	X		-	-	-	MAR-DEC	JAN-DEC
	Gafftopsail catfish	COMMON			X	X	X	X	X						APR-MAY	-	-	APR-SEP	APR-SEP
	Gray snapper	COMMON	X	X	X	X	X	X	X	X	X	X	X		-	-	-	AUG-OCT	JAN-DEC
	Gulf menhaden	COMMON	X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	NOV-JAN
	Hardhead catfish	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		MAY-AUG	MAY-SEP	MAY-SEP	MAY-OCT	JAN-DEC
	Pinfish	COMMON			X	X	X	X	X	X	X				-	-	-	MAR-DEC	FEB-NOV
	Red drum	COMMON	X	X	X	X	X	X	X	X	X	X	X		-	-	AUG-NOV	JAN-DEC	JAN-DEC
	Sand seatrout	COMMON	X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	JAN-DEC
	Silver perch	RARE	X	X	X	X	X	X	X	X	X	X	X		MAY-SEP	MAY-SEP	MAY-SEP	MAR-DEC	JAN-DEC
	Southern flounder	COMMON	X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	JAN-DEC
	Spot	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	NOV-JUN
	Spotted seatrout	COMMON	X	X	X	X	X	X	X	X	X	X	X		MAR-OCT	MAR-OCT	MAR-OCT	JUN-NOV	JAN-DEC
	Striped mullet	COMMON	X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	JAN-DEC
311	Finetooth shark				X	X	X	X							-	MAY-JUN	MAY-OCT	-	MAY-JUN
367	Dwarf seahorse		X	X	X	X	X	X	X	X	X	X	X		-	-	-	-	-
370	Spinner shark					X	X	X	X	X					-	-	-	MAY-OCT	MAY-OCT

INVERTEBRATE:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
265	Atlantic seabob shrimp		X								X	X	X		-	-	-	-	OCT-JAN
	Blue crab	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		-	-	JAN-DEC	-	-
	Brief squid		X	X	X	X	X	X	X	X	X	X	X		MAR-DEC	MAR-DEC	MAR-DEC	JAN-DEC	JAN-DEC
	Brown shrimp				X	X	X	X	X	X					-	-	-	-	MAR-OCT
	Lesser blue crab		X	X	X	X	X	X	X	X	X	X			-	-	MAR-DEC	-	-
	White shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		MAR-SEP	-	-	-	JAN-DEC
301	Atlantic seabob shrimp	RARE				X	X	X	X						-	-	-	-	AUG-NOV
	Blue crab	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		MAR-NOV	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
	Brief squid	COMMON	X	X	X	X	X	X	X	X	X	X	X		MAR-DEC	MAR-DEC	MAR-DEC	JAN-DEC	JAN-DEC
	Brown shrimp	ABUNDANT			X	X	X	X	X	X	X				-	-	FEB-APR	MAR-DEC	-
	Grass shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
	Gulf stone crab	COMMON	X	X	X	X	X	X	X	X	X	X	X		NOV-MAR	MAR-NOV	MAR-DEC	JAN-DEC	JAN-DEC
	Lesser blue crab	COMMON			X	X	X	X	X	X					-	-	-	APR-NOV	-
	White shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		-	-	APR-NOV	MAY-DEC	JAN-DEC
306	Blue crab	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		MAR-NOV	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
	Brown shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		-	-	FEB-APR	JAN-DEC	-
	White shrimp	COMMON	X	X	X	X	X	X	X	X	X	X	X		-	-	APR-NOV	MAY-DEC	JAN-DEC

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.

Upper Texas Coast: ESIMAP 58 (cont.)

BIOLOGICAL RESOURCES: (cont.)

MARINE MAMMAL:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Pupping	Molting
170	Bottlenose dolphin		X	X	X	X	X	X	X	X	X	X	X	X	-	JAN-DEC	-	-
339	West Indian manatee	E E VERY RARE						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
131	Diamondback terrapin		X	X	X	X	X	X	X	X	X	X	X	X	APR-MAY	JUN-SEP	-	JAN-DEC	JAN-DEC
	Gulf salt marsh snake		X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	JUL-AUG	-	JAN-DEC	JAN-DEC
133	Diamondback terrapin		X	X	X	X	X	X	X	X	X	X	X	X	APR-MAY	JUN-SEP	-	JAN-DEC	JAN-DEC
328	Diamondback terrapin		X	X	X	X	X	X	X	X	X	X	X	X	APR-MAY	JUN-SEP	-	JAN-DEC	JAN-DEC
	Green sea turtle	T T OCCASIONAL			X	X	X	X	X	X	X	X	X	X	-	-	-	MAR-NOV	-
331	Kemp's ridley sea turtle	E E COMMON			X	X	X	X	X	X	X	X	X	X	-	-	-	APR-NOV	-
332	Green sea turtle	T T OCCASIONAL			X	X	X	X	X	X	X	X	X	X	-	-	-	MAR-NOV	-
	Hawksbill sea turtle	E E OCCASIONAL			X	X	X	X	X	X	X	X	X	X	-	-	-	MAR-OCT	-
	Kemp's ridley sea turtle	E E COMMON			X	X	X	X	X	X	X	X	X	X	-	-	-	APR-NOV	APR-NOV
	Loggerhead sea turtle	T T OCCASIONAL	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-

TERRESTRIAL MAMMAL:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D
133	Northern river otter		X	X	X	X	X	X	X	X	X	X	X	X

HUMAN USE RESOURCES:

CRITICAL HABITAT:

HUN#	Name	Contact	Phone
140	PIPING PLOVER CRITICAL HABITAT	USFWS	

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