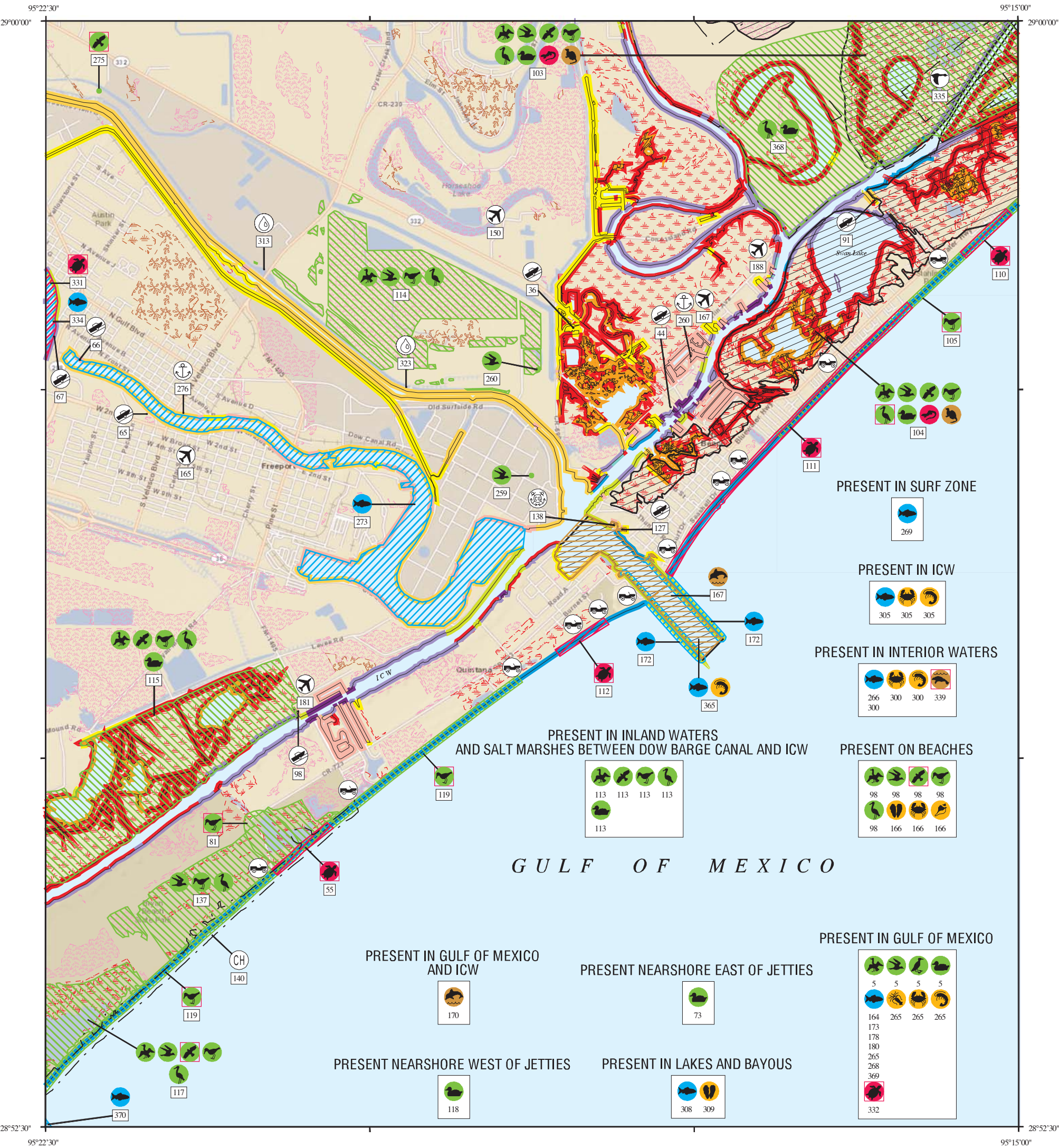


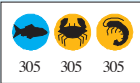
ENVIRONMENTAL SENSITIVITY INDEX MAP



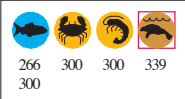
PRESENT IN SURF ZONE



PRESENT IN ICW



PRESENT IN INTERIOR WATERS



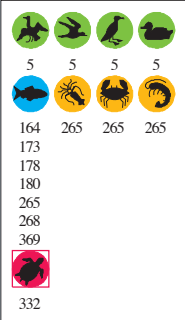
PRESENT IN INLAND WATERS AND SALT MARSHES BETWEEN DOW BARGE CANAL AND ICW



PRESENT ON BEACHES



PRESENT IN GULF OF MEXICO



PRESENT NEARSHORE EAST OF JETTIES



PRESENT IN GULF OF MEXICO AND ICW



PRESENT IN LAKES AND BAYOUS

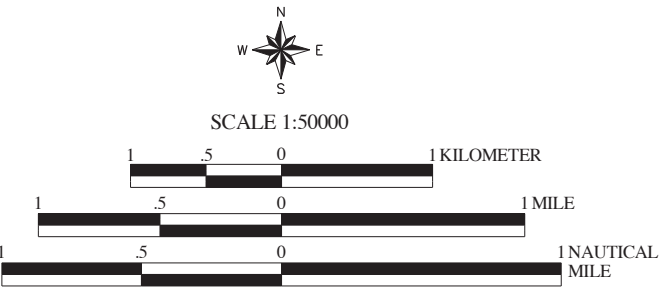


PRESENT NEARSHORE WEST OF JETTIES



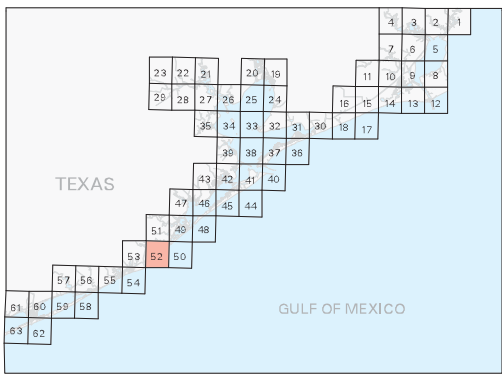
SHORELINE HABITATS (ESI)

- 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



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National Ocean Service  
Office of Response and Restoration  
Emergency Response Division





Upper Texas Coast: ESIMAP 52

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	-	-	-
	Bufflehead	UNCOMMON	X 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	-	-	-
	Diving birds		X X X X X X X X X X	-	-	-
	Diving ducks		X X X X X X X X	-	-	-
	Greater scaup	UNCOMMON	X X X X X X	-	-	-
	Grebes	UNCOMMON	X X X X X X X X X X	-	-	-
	Gulls	COMMON-ABUNDANT	X X X X X X X X X X	-	-	-
	Lesser scaup	COMMON	X X X X X X X X	-	-	-
	Loons		X X X X X X X X	-	-	-
	Magnificent frigatebird	COMMON	X X X X X X X X	-	-	-
	Masked booby	UNCOMMON	X X X X X X X X	-	-	-
	Northern gannet	COMMON	X X X X X X X X	-	-	-
	Scoters	RARE	X X X X X X X X	-	-	-
	Shearwaters	UNCOMMON	X X X X X X X X	-	-	-
	Storm-petrels	RARE	X X X X X X X X	-	-	-
	Terns	COMMON-ABUNDANT	X X X X X X X X X X	-	-	-
73	Redhead	100-7000 BIRDS	X X X X X X X X	-	-	-
81	Piping plover	T T 4 INDIV	X X X X X X X X X X	-	-	-
98	Brown pelican		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 X	-	-	-
	Shorebirds		X X X X X X X X X X	-	-	-
	Snowy plover		X X X X X X X X X X	FEB-AUG	-	-
	Wading birds		X X X X X X X X X X	-	-	-
	Wilson's plover		X X X X X X X X	APR-JUL	-	-
103	American white pelican		X X X X X X X X X X	-	-	-
	Clapper rail		X X X X X X X X X X	FEB-SEP	-	-
	Dabbling ducks		X X X X X X X X X X	-	-	-
	Gulls		X X X X X X X X X X	-	-	-
	Marsh birds		X X X X X X X X X X	-	-	-
	Rails	HIGH	X X X X X X X X X X	-	-	-
	Raptors	HIGH	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	-	-	-
	Wading birds	HIGH	X X X X X X X X X X	-	-	-
	Waterfowl	HIGH	X X X X X X X X X X	-	-	-
104	American avocet	100S	X X X X X X X X X X	-	MAR-APR JUL-NOV	-
	American oystercatcher	PRESENT	X X X X X X X X X X	-	-	-
	American white pelican		X X X X X X X X	-	-	-
	Black skimmer	100S	X X X X X X X X X X	-	-	-
	Black-bellied plover	100S	X X X X X X X X X X	-	MAR-MAY JUL-NOV	-
	Dabbling ducks		X X X X X X X X X X	-	-	-
	Diving birds		X X X X X X X X X X	-	-	-
	Diving ducks		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 X	-	-	-
	Gulls		X X X X X X X X X X	-	-	-
	Killdeer	10S	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	-	FEB-APR JUN-NOV	-
	Marbled godwit	100S	X 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	-	-	-
	Raptors		X X X X X X X X X X	-	-	-
	Reddish egret	T PRESENT	X X X X X X X X X X	-	-	-
	Redhead		X X X X X X X X	-	-	-
	Ruddy turnstone	PRESENT	X X X X X X X X X X	-	-	-
	Shorebirds	1000S	X X X X X X X X X X	-	-	-
	Terns		X X X X X X X X X X	-	-	-
	Wading birds		X X X X X X X X X X	-	-	-
	Waterfowl		X X X X X X X X X X	-	-	-
	Western sandpiper	1000S	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	-	APR-APR AUG-AUG	-
	Yellowlegs	100S	X X X X X X X X X X	-	MAR-MAY JUL-NOV	-
105	Piping plover	T T 54 INDIV	X X X X X X X X X X	-	-	-
113	Diving birds		X X X X X X X X X X	-	-	-
	Marsh birds		X X X X X X X X X X	-	-	-
	Raptors		X X X X X X X X X X	-	-	-
	Roseate spoonbill		X X X X X X X X X X	-	-	-
	Shorebirds	HIGH	X X X X X X X X X X	-	-	-
	Wading birds		X X X X X X X X X X	-	-	-
	Waterfowl	HIGH	X X X X X X X X X X	-	-	-
114	Gulls		X X X X X X X X X X	-	-	-
	Pelicans		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	-	-	-
	Wading birds		X X X X X X X X X X	-	-	-
115	Diving birds		X X X X X X X X X X	-	-	-
	Marsh birds		X X X X X X X X X X	-	-	-
	Osprey		X X X X X X X X	-	-	-
	Raptors		X X X X X X X X X X	-	-	-
	Shorebirds		X X X X X X X X X X	-	-	-
	Wading birds		X X X X X X X X X X	-	-	-
	Waterfowl		X X X X X X X X X X	-	-	-
117	American white pelican		X X X X X X X X X X	-	-	-
	Gulls		X X X X X X X X X X	-	-	-
	Osprey		X X X X X X X X	-	-	-
	Peregrine falcon	T	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	-	-	-
	Wading birds		X X X X X X X X X X	-	-	-
118	Redhead	1000-20000 BIRDS	X X X X X X X X	-	-	-
119	Piping plover	T T 10 INDIV	X X X X X X X X X X	-	-	-
137	Gulls		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	-	-	-
	Wading birds	HIGH	X X X X X X X X X X	-	-	-
259	Black skimmer	320-1100 PAIRS	X X X X X X X X X X	APR-SEP	-	-
	Gull-billed tern	25-98 PAIRS	X X X X X X X X X X	APR-JUL	-	-
	Laughing gull	16 PAIRS	X X X X X X X X X X	FEB-AUG	-	-
	Least tern	12-40 PAIRS	X X X X X X X X	APR-SEP	-	-

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 52 (cont.)

BIOLOGICAL RESOURCES: (cont.)

BIRD: (cont.)

RAR#	Species	S F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting
260	Black skimmer		314-600 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	-	-
	Gull-billed tern		9-84 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	-	-
	Least tern		8-24 PAIRS		X	X	X	X	X	X	X	X				APR-SEP	-	-
275	Bald eagle	T	1 NEST	X	X	X	X	X	X	X	X	X	X	X	X	OCT-JUL	-	-
368	American coot		100S	X	X	X	X					X	X	X	X	-	-	-
	American wigeon		100S	X	X	X						X	X	X	X	-	-	-
	Blue-winged teal		1000S	X	X	X	X	X			X	X	X	X	X	-	-	-
	Bufflehead		100S	X	X	X								X	X	-	-	-
	Canada goose		10S	X	X	X								X	X	X	-	-
	Canvasback		100S	X	X	X								X	X	X	-	-
	Gadwall		1000S	X	X	X	X					X	X	X	X	-	-	-
	Greater white-fronted goose		100S	X	X	X								X	X	X	-	-
	Green-winged teal		1000S	X	X	X	X					X	X	X	X	-	-	-
	Lesser scaup		100S	X	X	X	X							X	X	X	-	-
	Mallard		10S	X	X	X								X	X	X	-	-
	Mottled duck		10S	X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	-	JUN-AUG
	Northern pintail		10S	X	X	X								X	X	X	-	-
	Northern shoveler		100S	X	X	X	X					X	X	X	X	-	-	-
	Redhead		10S	X	X	X								X	X	X	-	-
	Ruddy duck		100S	X	X	X								X	X	X	-	-
	Sandhill crane		PRESENT	X	X									X	X	X	-	-
	Snow goose		1000S	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	-
172	Blennies				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Sheepshead				X	X	X	X	X	X	X	X	X	X	X	X	FEB-APR	-	-	-	JAN-DEC
173	Bonnethead shark				X	X	X	X	X	X	X	X	X	X	X	X	-	SEP-NOV	-	FEB-MAR	FEB-DEC
																			NOV-DEC		
	Tarpon			COMMON						X	X	X	X	X			-	-	-	-	JUN-OCT
178	Bull shark			ABUNDANT	X	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	X	X	X	-	-	-	MAR-DEC	MAR-DEC
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	X	AUG-APR	-	-	APR-NOV	JAN-DEC
	Atlantic spadefish				X	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	X	-	-	-	-	-
	Banded drum				X	X	X	X	X	X							-	-	-	-	-
	Bay anchovy				X	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	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	X	-	-	MAR-NOV	-	JAN-DEC
	Florida pompano				X	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	X	-	-	APR-NOV	JAN-DEC	JAN-DEC
	Gray triggerfish			ABUNDANT	X	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	X	-	-	-	JAN-DEC	JAN-DEC
	Gulf butterflyfish			HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Gulf menhaden				X	X	X	X	X	X	X						JUL-OCT	-	-	-	MAR-OCT
	Hardhead catfish				X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	-	-	-	JAN-DEC
	King mackerel						X	X	X	X	X	X					-	-	-	-	MAY-OCT
	Lane snapper				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Pinfish				X	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	X	AUG-OCT	-	-	-	JAN-DEC
	Red snapper				X	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	X	MAR-SEP	MAR-SEP	MAR-SEP	-	SEP-FEB
	Sheepshead				X	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	X	-	-	-	-	-
	Southern flounder				X	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	X	X	MAY-SEP	MAY-SEP	-	MAR-NOV	MAR-NOV
	Spot				X	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	X	-	-	-	-	JAN-DEC
266	Tarpon			RARE		X	X	X	X	X	X	X	X	X			-	-	-	MAR-NOV	-
268	Striped mullet			ABUNDANT	X	X						X	X	X	X		OCT-DEC	-	-	-	SEP-FEB
269	Striped mullet			HIGHLY ABUNDANT				X	X	X	X	X	X	X			-	-	-	-	MAY-NOV
273	Gray snapper			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	AUG-OCT	JAN-DEC
300	Alligator gar			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Atlantic croaker			HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	JAN-JUN	JAN-DEC	JAN-DEC
	Bay anchovy			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	MAR-NOV	MAR-NOV	JAN-NOV	JAN-DEC
	Bay whiff			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	FEB-NOV	JAN-DEC
	Black drum				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Crevalle jack			COMMON				X	X	X							-	-	-	JUN-AUG	-
	Gafftopsail catfish			COMMON			X	X	X	X	X	X					APR-MAY	-	-	APR-SEP	APR-SEP
	Gizzard shad			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	JAN-DEC
	Gulf killifish			ABUNDANT	X	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	X	-	-	-	JAN-DEC	APR-OCT
	Hardhead catfish			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	MAY-SEP	MAY-SEP	APR-OCT	JAN-DEC
	Pinfish			COMMON		X	X	X	X	X	X						-	-	-	APR-OCT	APR-OCT
	Red drum			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Sand seatrout			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Sheepshead			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	OCT-JUN	JAN-DEC
	Silversides			COMMON	X	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	X	-	-	-	JAN-DEC	JAN-DEC
	Southern kingfish			RARE			X	X	X	X	X						-	-	-	JUN-NOV	-
	Spot			HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAR-OCT	JAN-DEC
	Spotfin mojarra			COMMON			X	X	X	X	X	X					-	-	-	-	-
	Spotted seatrout			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	MAR-OCT	MAR-OCT	MAR-OCT	SEP-NOV	JAN-DEC
	Striped mullet			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	White mullet			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
305	Atlantic croaker			HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	JAN-JUN	JAN-DEC	JAN-DEC
	Atlantic spadefish			COMMON			X	X	X	X	X	X	X				-	-	-	MAY-DEC	-
	Bay anchovy			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	MAR-NOV	MAR-NOV	JAN-NOV	JAN-DEC
	Bay whiff			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	JAN-DEC
	Black drum			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Bull shark			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	MAY-AUG	MAY-AUG	APR-NOV	JAN-DEC
	Gafftopsail catfish			COMMON			X	X	X	X	X	X					APR-MAY	-	-	APR-OCT	APR-OCT
	Gray snapper			COMMON	X	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	X	-	-	-	JAN-DEC	JAN-DEC
	Hardhead catfish			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	MAY-SEP	MAY-SEP	MAY-OCT	JAN-DEC
	Pinfish			RARE		X	X	X	X	X	X	X					-	-	-	MAR-NOV	MAR-NOV
	Red drum			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	SEP-NOV	JAN-DEC	JAN-DEC
	Sand seatrout			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Sheepshead			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	OCT-JUN	JAN-DEC
	Silver perch			RARE	X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-SEP	MAY-SEP	OCT-FEB	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 52 (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
305	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	-	-	-	FEB-NOV	JAN-DEC
	Spotted seatrout	COMMON	X X X X X X X X X X X	MAR-OCT	MAR-OCT	MAR-OCT	SEP-NOV	JAN-DEC
	Striped mullet	COMMON	X X X X X X X X X X X	-	-	-	JAN-DEC	JAN-DEC
308	Red drum	HIGH	X X X X X X X X X X X	-	-	-	JAN-DEC	JAN-DEC
334	Common snook	RARE	X X X X X X X X X X X	JUN-JUL	-	-	-	MAY-AUG
	Gray snapper		X X X X X X X X X X X	-	-	-	JAN-DEC	-
365	Atlantic croaker	HIGHLY ABUNDANT	X X X X X X X X X X X	-	DEC-APR	DEC-APR	DEC-APR	APR-NOV
	Black drum	COMMON	X X X X X X X X X X X	FEB-JUL	-	MAR-JUL	AUG-JAN	JAN-DEC
	Red drum	COMMON	X X X X X X X X X X X	-	-	SEP-NOV	-	JAN-DEC
	Southern flounder	ABUNDANT	X X X X X X X X X X	-	-	-	-	OCT-NOV
	Spot	HIGHLY ABUNDANT	X X X X X X X X X X X	-	-	FEB-JUN	FEB-JUN	JAN-DEC
	Spotted seatrout	COMMON	X X X X X X X X X X X	FEB-OCT	FEB-OCT	-	-	JAN-DEC
369	Spinner shark		X X X X X X	MAY-JUN	MAY-JUN	MAY-JUL	MAY-OCT	MAY-OCT
370	Spinner shark		X 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
166	Atlantic ghost crab		X X X X X X X X X X X	APR-APR AUG-AUG	-	-	-	JAN-DEC
	Atlantic surfclam		X X X X X X X X X X X	MAR-MAY SEP-NOV	-	-	-	JAN-DEC
	Lettered olive		X X X X X X X X X X X	-	-	-	-	-
	Mole crab		X X X X X X X X X X X	APR-MAY	-	-	-	JAN-DEC
	Speckled swimming crab	COMMON	X X X X X X X X X X X	-	-	-	-	-
265	Atlantic seabob shrimp		X X X X X X 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 X X X	-	-	-	-	MAR-OCT
	Lesser blue crab		X 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
300	Blue crab	ABUNDANT	X X X X X X X X X X X	MAY-NOV	MAY-NOV	MAY-DEC	JAN-DEC	JAN-DEC
	Brown shrimp	ABUNDANT	X X X X X X X X X X	-	-	FEB-APR	APR-NOV	-
	Grass shrimp	COMMON	X X X X X X X X X X X	MAR-OCT	MAR-OCT	MAR-OCT	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 X X X	-	-	-	APR-NOV	-
	White shrimp	ABUNDANT	X X X X X X X X X	-	-	JUN-OCT	JUN-DEC	MAY-JUN
305	Blue crab	HIGHLY ABUNDANT	X X X X X X X X X X X	MAY-NOV	MAY-NOV	MAY-DEC	JAN-DEC	JAN-DEC
	Brown shrimp	ABUNDANT	X X X X X X X X X X X	-	-	FEB-APR	APR-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
	White shrimp	ABUNDANT	X X X X X X X X X	-	-	JUN-OCT	JUN-DEC	MAY-JUN
309	Eastern oyster	PRESENT	X X X X X X X X X X X	MAR-DEC	MAR-DEC	-	-	JAN-DEC
365	Brown shrimp	ABUNDANT	X X X X X X X X X	-	-	FEB-APR	-	MAR-OCT
	White shrimp	ABUNDANT	X X X X X X X X X	-	-	MAY-NOV	-	-

MARINE MAMMAL:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Mating	Calving	Pupping	Molting
167	Bottlenose dolphin	HIGH	X X X X X X X X X X X	-	JAN-DEC	-	-
170	Bottlenose dolphin		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
55	Kemp's ridley sea turtle	E E 0-1 NEST	X X X X X X X	MAR-JUL	APR-SEP	-	APR-SEP	MAR-JUL
103	Gulf salt marsh snake		X X X X X X X X X X X	MAR-MAY	JUL-AUG	-	JAN-DEC	JAN-DEC
104	Gulf salt marsh snake		X X X X X X X X X X X	MAR-MAY	JUL-AUG	-	JAN-DEC	JAN-DEC
110	Kemp's ridley sea turtle	E E 1 NEST	X X X X X X X	MAR-JUL	APR-SEP	-	APR-SEP	MAR-JUL
111	Kemp's ridley sea turtle	E E 3-5 NESTS	X X X X X X X	MAR-JUL	APR-SEP	-	APR-SEP	MAR-JUL
112	Loggerhead sea turtle	T T 1 NEST	X X X X X X X X	APR-SEP	MAY-OCT	-	MAY-OCT	APR-SEP
331	Kemp's ridley sea turtle	E E COMMON	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	-	-	-	MAR-NOV	-
	Hawksbill sea turtle	E E OCCASIONAL	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	-	-	-	APR-NOV	APR-NOV
	Loggerhead sea turtle	T T OCCASIONAL	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
103	Northern river otter		X X X X X X X X X X X
104	Northern river otter		X X X X X X X X X X X

HUMAN USE RESOURCES:

BOAT RAMP:

HUN#	Name	Contact	Phone
36	BEACH BAIT AND TACKLE RAMP		
44	BRIDGE BAIT BOAT RAMP		
65	FREEPORT COMMUNITY CENTER PUBLIC RAMP		
66	FREEPORT MUNICIPAL PARK PUBLIC RAMP		
67	FREEPORT NEW BRAZOS RIVER PUBLIC RAMP		
91	OLD COAST GUARD STATION RAMP		
98	QUINTANA BRIDGE PUBLIC RAMP		
127	VILLAGE OF SURFSIDE PUBLIC RAMP		

COAST GUARD:

HUN#	Name	Contact	Phone
138	USCG FREEPORT		979/482-1267

CRITICAL HABITAT:

HUN#	Name	Contact	Phone
140	PIPING PLOVER CRITICAL HABITAT	USFWS	

HELIPORT:

HUN#	Name	Contact	Phone
150	BUCCANEER SHORE FACILITY		
165	GO HELITRANS		
167	HERCULES MARINE SERVICES CORP		
181	M-I DRILLING FLUIDS COMPANY		
188	MIDSTREAM FREEPORT		

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Upper Texas Coast: ESIMAP 52 (cont.)

HUMAN USE RESOURCES: (cont.)

MARINA:

HUN#	Name	Contact	Phone
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260	BRIDGE HARBOR MARINA		979/233-2101
276	MITCHELL'S PLEASURE PIER		979/233-0722

WATER INTAKE:

HUN#	Name	Contact	Phone
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313	CITY OF FREEPORT		
323	DOW CHEMICAL COMPANY PLANT A		

WILDLIFE REFUGE:

HUN#	Name	Contact	Phone
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335	BRAZORIA NATIONAL WILDLIFE REFUGE		