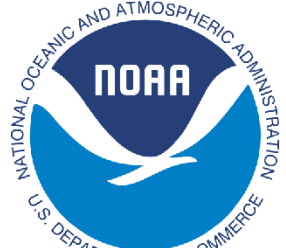
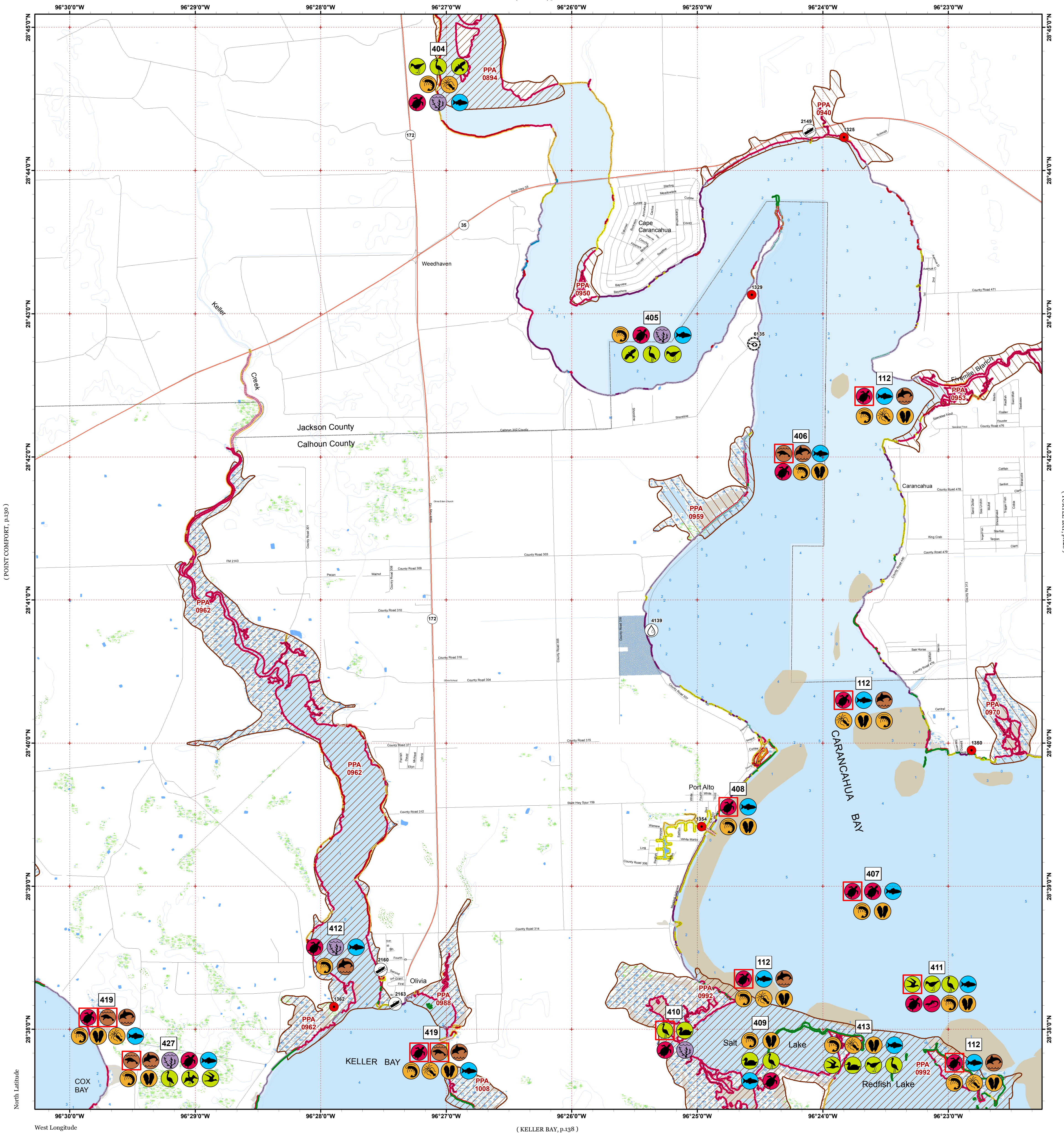


OLIVIA

(LA WARD, p.118 )

Click Here or Scroll Down for Associated Map Data

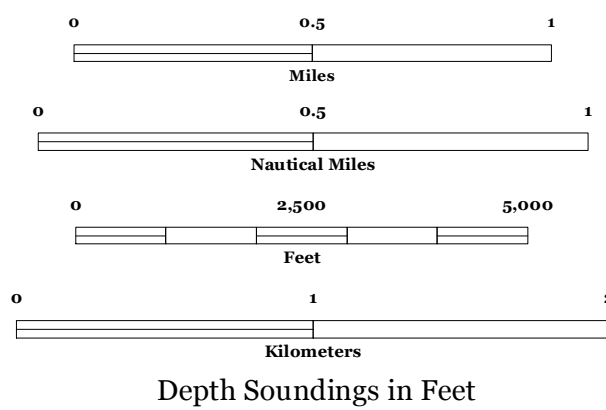
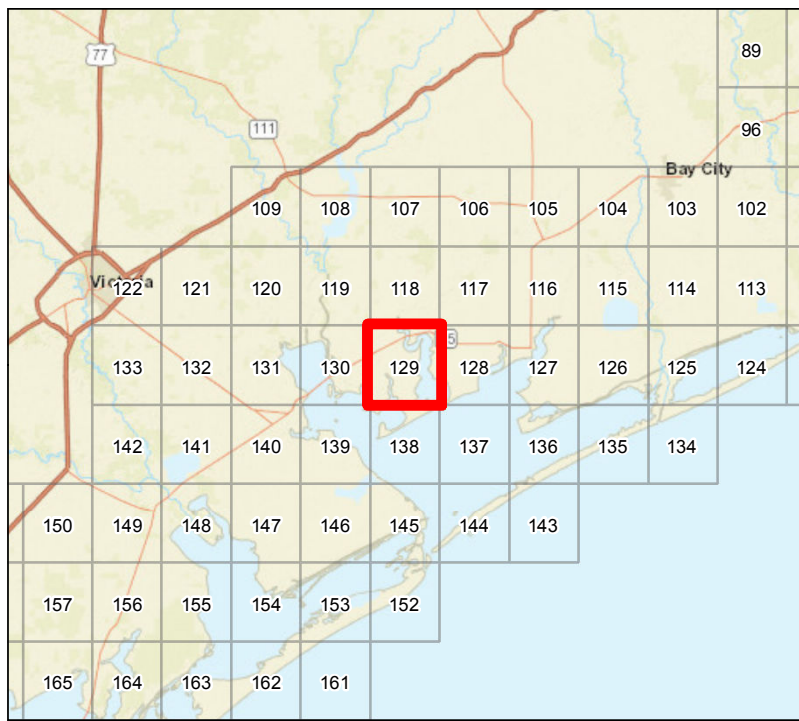
Click on the Geographic Response Plan Target to View the ICS Form



Oil Spill Planning and Response Atlas

2016

The Texas General Land Office makes no representations or warranties regarding the accuracy or completeness of the information depicted on this map or the data from which it was produced. This map is not suitable for navigational purposes and does not purport to depict boundaries of private and public land.



Human Use Features

- Boat Ramp
- Facility
- Helipoint
- Water Intake

Map Base Layers

- State Highway
- Road
- Oysters
- Bays
- Salt and Brackish Marshes
- Intertidal Scrub/Shrub
- Beach or Tidal Flat
- Exposed Lake Shore
- Freshwater Marshes
- Swamps and Flooded Woodlands
- Willow Thickets
- Lake / Pond
- County Boundary

Priority Protection Areas

- HIGH
- MEDIUM

Species Icons Within Map Quad

- Reptile
- Turtle
- Turtle T/E
- Benthic Marine
- Bivalve
- Cephalopod
- Shrimp
- Fish
- Fish T/E
- Dolphin
- Mammal T/E
- Marsh
- Diving Bird
- Gull/Tern
- Gull/Tern T/E
- Raptor
- Shorebird
- Wading
- Wading Endangered
- Waterfowl

ENVIRONMENTAL SENSITIVITY INDEX

- 10D Mangroves and Woody Vegetation
- 10C Freshwater Swamps
- 10B Freshwater Marshes
- 10A Salt and Brackish Water Marshes
- 9 Sheltered Tidal Flats
- 8C Sheltered Rocky/Karst Shores
- 8D Sheltered Scarps
- 8B Sheltered Riprap Structures
- 8A Sheltered Solid Manmade Structures
- 7 Exposed Tidal Flats
- 6B Exposed Riprap Structures
- 6A Gravel or Shell Beaches
- 5 Mixed Sand and Gravel or Shell Beaches
- 4 Coarse-Grained Sand Beaches
- 3B Scarps and Steep Slopes in Sand
- 3A Fine-Grained Sand Beaches
- 2B Wave-Cut Clay Platforms
- 2A Scarps and Steep Slopes in Clay
- 1 Exposed Walls and Other Solid Structures



Quadrant: OLIVIA

Map # :129

Biological Information for this quadrant represents known concentration areas of occurrence.

Habitat Priority Protection Areas

PPA ID	PRIORITY	POLY DESC	BIRDS RANK	BIRDS DESC	FISH DESC	FISH RANK	WETLANDS R	WETLANDS D
PPA0894	HIGH	Upper reach of Carancahua Bay	MEDIUM	Wading birds, American alligator. Goose roost.	Fish and invertebrate nursery with high white shrimp	HIGH	HIGH	Spartina alterniflora marsh
PPA0940	MEDIUM	Carancahua Bay marsh	MEDIUM	Wading birds and shorebirds.	Fish and invertebrate nursery	HIGH	HIGH	Spartina alterniflora marsh
PPA0950	MEDIUM	Carancahua Bay marsh	MEDIUM	Wading birds and shorebirds.	Fish and invertebrate nursery	HIGH	HIGH	Spartina alterniflora marsh
PPA0953	MEDIUM	Carancahua Bay marsh	MEDIUM	Wading birds and shorebirds.	Fish and invertebrate nursery	HIGH	HIGH	Spartina alterniflora marsh
PPA0959	MEDIUM	Carancahua Bay marsh	MEDIUM	Wading birds and shorebirds.	Fish and invertebrate nursery	HIGH	HIGH	Spartina alterniflora marsh
PPA0962	HIGH	Upper reach of Tres Palacios Bay	MEDIUM	Wading birds, stilts, shovelers and osprey. American alligator and diamondback terrapin.	Fish/invertebrate nursery, recreational fishing with scattered oyster	HIGH	HIGH	Spartina alterniflora marsh moving to S. patens, S. spartinae, Juncus and Scirpus.
PPA0970	MEDIUM	Carancahua Bay marsh	MEDIUM	Wading birds and shorebirds.	Fish and invertebrate nursery	HIGH	HIGH	Spartina alterniflora marsh
PPA0988	HIGH	Keller Bay marsh	HIGH	Wading bird feeding; high waterfowl.	Fish and invertebrate nursery and recreational fishing.	HIGH	HIGH	Spartina alterniflora marsh, SAV with Halodule wrightii dominant in offshore area.
PPA0992	HIGH	Redfish and Salt Lakes	MEDIUM	Shorebirds, wading birds and waterfowl usage area; American oystercatcher, black skimmer rookery. (609-144)	Fish and invertebrate nursery with high brown shrimp	HIGH	HIGH	Spartina alterniflora marsh, SAV with Halodule wrightii dominant.
PPA1008	HIGH	Keller Bay marsh	HIGH	Wading bird feeding; high waterfowl.	Fish and invertebrate nursery and recreational fishing.	HIGH	HIGH	Spartina alterniflora marsh, SAV with Halodule wrightii dominant in offshore area.

Biological Resources

Bird

RARNUM	NAME	S	F	CONC	J	F	M	A	M	J	J	A	S	O	N	D	NESTING	LAYING	HATCHING	FLEDGING
404	Bald eagle				X	X	X	X	X	X	X	X	X	X	X	X	JAN–AUG	JAN–AUG	JAN–AUG	FEB–SEP
	Shorebirds				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	MAR–JUL	MAR–JUL	MAR–JUL	MAR–AUG
	Sandhill crane				X	X	X	X					X	X	X	X				
405	Bald eagle				X	X	X	X	X	X	X	X	X	X	X	X	JAN–AUG	JAN–AUG	JAN–AUG	FEB–SEP
	Shorebirds				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	MAR–JUL	MAR–JUL	MAR–JUL	MAR–AUG
	Sandhill crane				X	X	X	X					X	X	X	X				
409	Wading birds				X	X	X	X	X	X	X	X	X	X	X	X	MAR–JUL	MAR–JUL	MAR–JUL	MAR–AUG
	Waterfowl				X	X	X	X	X	X	X	X	X	X	X	X				
410	Wading birds				X	X	X	X	X	X	X	X	X	X	X	X	MAR–JUL	MAR–JUL	MAR–JUL	MAR–AUG
	Whooping crane		E		X	X	X	X						X	X	X				
	Waterfowl				X	X	X	X	X	X	X	X	X	X	X	X				
	Northern pintail	C			X	X	X	X				X	X	X	X	X				
	Green-winged teal				X	X	X	X	X				X	X	X	X				
411	Blue-winged teal				X	X	X	X	X	X		X	X	X	X	X	APR–MAY			
	Laughing gull				X	X	X	X	X	X	X	X	X	X	X	X	FEB–AUG	FEB–AUG	FEB–AUG	MAR–SEP
	Black skimmer	C			X	X	X	X	X	X	X	X	X	X	X	X	APR–SEP	APR–SEP	APR–SEP	APR–SEP
	Least tern		E	3			X	X	X	X	X	X	X	X			APR–SEP	APR–SEP	MAY–SEP	MAY–SEP
	Forster's tern			24	X	X	X	X	X	X	X	X	X	X	X	X	MAR–AUG	MAR–AUG	MAR–AUG	MAR–SEP
	Gull-billed tern			12	X	X	X	X	X	X	X	X	X	X	X	X	FEB–AUG	FEB–AUG	FEB–AUG	MAR–SEP
	American oystercatcher	C			X	X	X	X	X	X	X	X	X	X	X	X	FEB–AUG	MAY–AUG	MAY–AUG	MAY–SEP
413	Snowy egret	C		4	X	X	X	X	X	X	X	X	X	X	X	X				
	Tricolored heron	C		2	X	X	X	X	X	X	X	X	X	X	X	X	APR–AUG	APR–AUG	APR–AUG	MAY–SEP
	Black skimmer	C			X	X	X	X	X	X	X	X	X	X	X	X	APR–SEP	APR–SEP	APR–SEP	APR–SEP
	Shorebirds				X	X	X	X	X	X	X	X	X	X	X	X				
	American oystercatcher	C			X	X	X	X	X	X	X	X	X	X	X	X	FEB–AUG	MAY–AUG	MAY–AUG	MAY–SEP
	Wading birds				X	X	X	X	X	X	X	X	X	X	X	X	MAR–JUL	MAR–JUL	MAR–JUL	MAR–AUG
	Waterfowl				X	X	X	X	X	X	X	X	X	X	X	X				
427	Brown pelican				X	X	X	X	X	X	X	X	X	X	X	X	APR–SEP	APR–AUG	APR–AUG	APR–AUG
	Laughing gull			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	FEB–AUG	FEB–AUG	FEB–AUG	MAR–SEP
	Forster's tern				X	X	X	X	X	X	X	X	X	X	X	X	MAR–AUG	MAR–AUG	MAR–AUG	MAR–SEP
	Wading birds				X	X	X	X	X	X	X	X	X	X	X	X	MAR–JUL	MAR–JUL	MAR–JUL	MAR–AUG

Fish

RARNUM	NAME	S	F	CONC	J	F	M	A	M	J	J	A	S	O	N	D	LARV/JUV	SPAWNING
112	Native fish community				X	X	X	X	X	X	X	X	X	X	X	X		
	Tarpon				X	X	X	X	X	X	X	X	X	X	X	X		APR–JUL
	Gulf kingfish				X	X	X	X	X	X	X	X	X	X	X	X		
	Florida pompano				X	X	X	X	X	X	X	X	X	X	X	X		FEB–OCT
	Atlantic tripletail							X	X	X	X	X	X	X				JUN–AUG
	Cownose ray				X	X	X	X	X	X	X	X	X	X	X	X		
404	Native fish community			HIGH	X	X	X	X	X	X	X	X	X	X	X	X		
	Black drum				X	X	X	X	X	X	X	X	X	X	X	X	ALLYEAR	DEC–MAY
	Snook				X	X	X	X	X	X	X	X	X	X	X	X		JUN–JUL
	Gizzard shad				X	X	X	X	X	X	X	X	X	X	X	X	APR–SEP	MAR–AUG
	Blue catfish				X	X	X	X	X	X	X	X	X	X	X	X		APR–MAY
	Gray snapper				X	X	X	X	X	X	X	X	X	X	X	X	APR–NOV	JUN–SEP
405	Native fish community				X	X	X	X	X	X	X	X	X	X	X	X		
	Black drum				X	X	X	X	X	X	X	X	X	X	X	X	ALLYEAR	DEC–MAY

Fish

RARNUM	NAME	S	F	CONC	J	F	M	A	M	J	J	A	S	O	N	D	LARV/JUV	SPAWNING
406	Native fish community				X	X	X	X	X	X	X	X	X	X	X	X		
	Black drum				X	X	X	X	X	X	X	X	X	X	X	X	ALLYEAR	DEC-MAY
	Gizzard shad				X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	MAR-AUG
	Gars				X	X	X	X	X	X	X	X	X	X	X	X		MAY-AUG
407	Native fish community				X	X	X	X	X	X	X	X	X	X	X	X		
408	Native fish community				X	X	X	X	X	X	X	X	X	X	X	X		
409	Native fish community				X	X	X	X	X	X	X	X	X	X	X	X		
	Blue catfish				X	X	X	X	X	X	X	X	X	X	X	X		APR-MAY
	Crevalle jack				X	X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	MAR-SEPT
411	Native fish community				X	X	X	X	X	X	X	X	X	X	X	X		
412	Native fish community				X	X	X	X	X	X	X	X	X	X	X	X		
	Gizzard shad				X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	MAR-AUG
413	Native fish community				X	X	X	X	X	X	X	X	X	X	X	X		
	Atlantic tripletail							X	X	X	X	X	X	X				JUN-AUG
419	Native fish community				X	X	X	X	X	X	X	X	X	X	X	X		
	Gafftopsail catfish				X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-AUG
	Bull shark				X	X	X	X	X	X	X	X	X	X	X	X		JUN-JUL
	Black drum				X	X	X	X	X	X	X	X	X	X	X	X	ALLYEAR	DEC-MAY
	Bonnethead shark									X	X	X	X					
427	Native fish community				X	X	X	X	X	X	X	X	X	X	X	X		
	Gafftopsail catfish				X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-AUG

Invertebrate

RARNUM	NAME	S	F	CONC	J	F	M	A	M	J	J	A	S	O	N	D	LARV/JUV	SPAWNING
112	Eastern oyster				X	X	X	X	X	X	X	X	X	X	X	X	MAY-JAN	MAR-NOV
	Native shrimp and crab community				X	X	X	X	X	X	X	X	X	X	X	X		
404	Native shrimp and crab community				X	X	X	X	X	X	X	X	X	X	X	X		
405	Native shrimp and crab community				X	X	X	X	X	X	X	X	X	X	X	X		
406	Eastern oyster				X	X	X	X	X	X	X	X	X	X	X	X	MAY-JAN	MAR-NOV
	Brackishwater clam			LOW	X	X	X	X	X	X	X	X	X	X	X	X		
	Native shrimp and crab community				X	X	X	X	X	X	X	X	X	X	X	X		
407	Eastern oyster				X	X	X	X	X	X	X	X	X	X	X	X	MAY-JAN	MAR-NOV
	Native shrimp and crab community				X	X	X	X	X	X	X	X	X	X	X	X		
408	Eastern oyster				X	X	X	X	X	X	X	X	X	X	X	X	MAY-JAN	MAR-NOV
	Native shrimp and crab community				X	X	X	X	X	X	X	X	X	X	X	X		
409	Eastern oyster				X	X	X	X	X	X	X	X	X	X	X	X	MAY-JAN	MAR-NOV
	Native shrimp and crab community				X	X	X	X	X	X	X	X	X	X	X	X		
411	Eastern oyster				X	X	X	X	X	X	X	X	X	X	X	X	MAY-JAN	MAR-NOV
	Native shrimp and crab community				X	X	X	X	X	X	X	X	X	X	X	X		
412	Native shrimp and crab community				X	X	X	X	X	X	X	X	X	X	X	X		
413	Eastern oyster				X	X	X	X	X	X	X	X	X	X	X	X	MAY-JAN	MAR-NOV
	Native shrimp and crab community				X	X	X	X	X	X	X	X	X	X	X	X		
419	Eastern oyster				X	X	X	X	X	X	X	X	X	X	X	X	MAY-JAN	MAR-NOV
	Ctenophores				X	X	X	X	X	X	X	X	X	X	X	X		
	Cnidarians				X	X	X	X	X	X	X	X	X	X	X	X		
	Native shrimp and crab community				X	X	X	X	X	X	X	X	X	X	X	X		
427	Eastern oyster				X	X	X	X	X	X	X	X	X	X	X	X	MAY-JAN	MAR-NOV
	Native shrimp and crab community				X	X	X	X	X	X	X	X	X	X	X	X		

Marine Mammal

RARNUM	NAME	S	F	CONC	J	F	M	A	M	J	J	A	S	O	N	D	LARV/JUV	SPAWNING	MATING	CALVING
112	Bottlenose dolphin				X	X	X	X	X	X	X	X	X	X	X	X	MARCH-MAY	JUL-AUG	JAN-DEC	JAN-DEC
406	Bottlenose dolphin				X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	JUL-AUG	JAN-DEC	JAN-DEC
	West Indian manatee		E	LOW			X	X	X	X	X	X	X	X	X					
412	Bottlenose dolphin				X	X	X	X	X	X	X	X	X	X	X	X	MARCH-MAY	JUL-AUG	JAN-DEC	JAN-DEC
419	Bottlenose dolphin				X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	JUL-AUG	JAN-DEC	JAN-DEC
	West Indian manatee		E	LOW			X	X	X	X	X	X	X	X	X					
427	Bottlenose dolphin				X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	JUL-AUG	JAN-DEC	JAN-DEC
	West Indian manatee		E	LOW			X	X	X	X	X	X	X	X	X					

Reptile

RARNUM	NAME	S	F	CONC	J	F	M	A	M	J	J	A	S	O	N	D	NESTING	LAYING	HATCHING	LARV/JUV
112	Loggerhead sea turtle		T	LOW	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG		MAY-OCT	ALLYEAR
	Kemp's ridley sea turtle		E		X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG		MAY-OCT	ALLYEAR
404	Texas diamondback terrapin	C			X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	MAY-JUL	APR-AUG	
405	Texas diamondback terrapin	C			X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	MAY-JUL	APR-AUG	
406	Texas diamondback terrapin	C			X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	MAY-JUL	APR-AUG	
407	Green sea turtle		T		X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG		MAY-OCT	ALLYEAR
	Texas diamondback terrapin	C			X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	MAY-JUL	APR-AUG	

Reptile

RARNUM	NAME	S	F	CONC	J	F	M	A	M	J	J	A	S	O	N	D	NESTING	LAYING	HATCHING	LARV/JUV
408	Green sea turtle		T		X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG		MAY-OCT	ALLYEAR
	Texas diamondback terrapin	C			X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	MAY-JUL	APR-AUG	
409	Texas diamondback terrapin	C			X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	MAY-JUL	APR-AUG	
410	Texas diamondback terrapin	C			X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	MAY-JUL	APR-AUG	
411	Gulf salt marsh snake				X	X	X	X	X	X	X	X	X	X	X	X				
	Texas diamondback terrapin	C			X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	MAY-JUL	APR-AUG	
412	Texas diamondback terrapin	C			X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	MAY-JUL	APR-AUG	
419	Kemp's ridley sea turtle		E		X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG		MAY-OCT	ALLYEAR
427	Texas diamondback terrapin	C			X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	MAY-JUL	APR-AUG	

Human Use Resources

Boat Ramp	RARNUM	NAME	CONTACT	CONTACT INFO
	2149	Hwy 35 Boat Ramp		jacksoncolo@hwy35
	2160	Florence Bait Camp		
	2163	Olivia Hatters Park		
Facility	RARNUM	NAME	CONTACT	CONTACT INFO
	1325	Crest Petroleum, LLC - W. L. Moody Production Facility	Victor Saied	940-257-8206
	1329	State Tract 209, Well #1	Jeff Paul	
	1350	Hemco Development LLC State Tract 254 Well # 1	Joachim Leicht	713-252-8483
	1354	Marine Fuel LLC	Mike Prasek	979-543-0198
	1362	Rincon - State Tract 77 #1 & #2	Ross Ford	
Heliport	RARNUM	NAME	CONTACT	CONTACT INFO
	6135	WOLF POINT	TE61	PORT LAVACA, TX 77979
Water Intake	RARNUM	NAME	CONTACT	CONTACT INFO
	4139	OCEAN VENTURES INC		