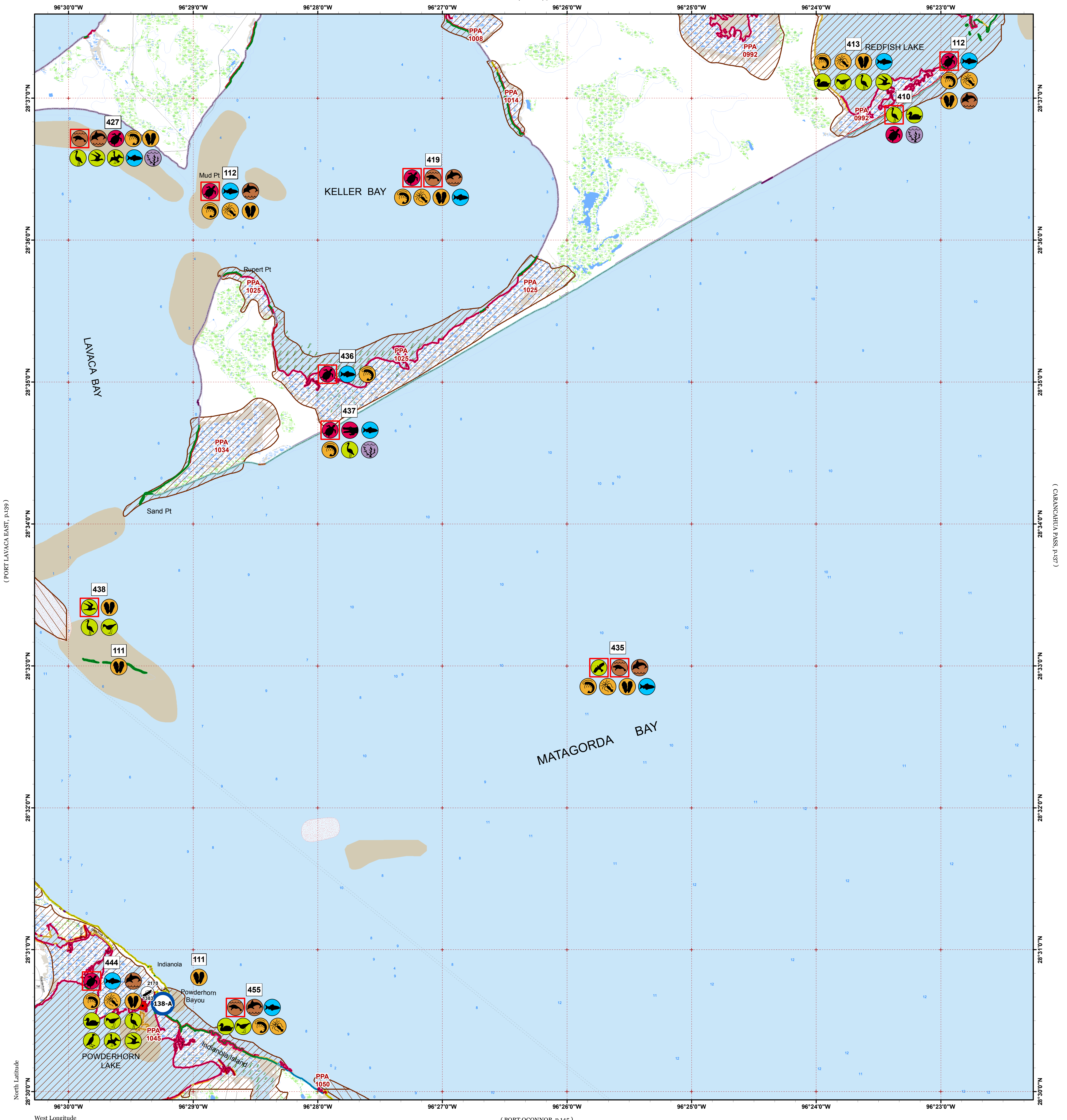


KELLER BAY

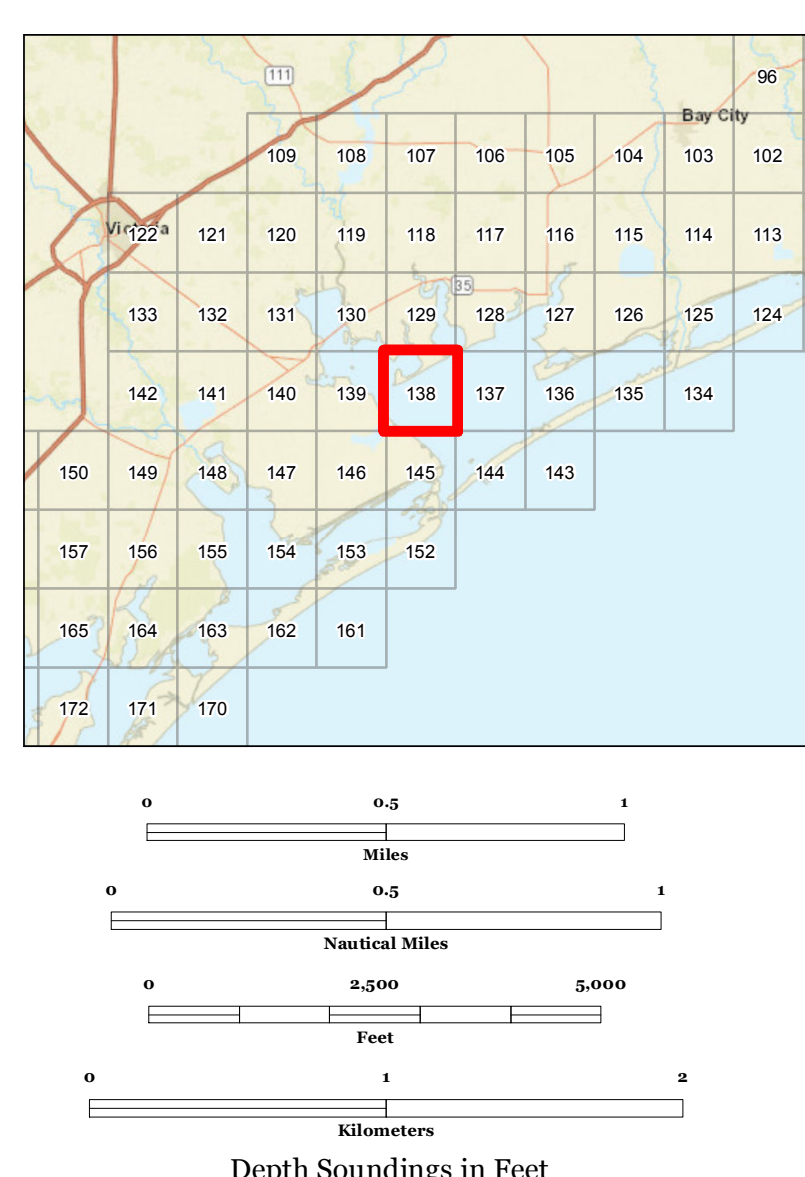
( OLIVIA, p.129 )

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
  - Geographic Response Plan
- Map Base Layers**

  - Road
  - GIWW
  - Oysters
  - Estuarine Seagrass or Algae Bed
  - Bays
  - Salt and Brackish Marshes
  - Intertidal Scrub/Shrub
  - Beach or Tidal Flat
  - Freshwater Marshes
  - Willow Thickets
  - Lake / Pond
  - County Boundary
- Priority Protection Areas**

  - HIGH
  - MEDIUM

- Species Icons Within Map Quad**

Alligator	Marsh
Turtle	Diving Bird
Turtle T/E	Gull/Tern
Benthic Marine	Gull/Tern T/E
Bivalve	Pelagic Bird
Cephalopod	Raptor Endangered
Shrimp	Shorebird
Fish	Wading
Fish T/E	Wading Endangered
Dolphin	Waterfowl
Mammal T/E	
- 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: KELLER BAY

Map # :138

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
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.
PPA1014	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.
PPA1025	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.
PPA1034	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.
PPA1045	HIGH	Powderhorn Lake	HIGH	Shorebirds, wading birds and high numbers of waterfowl. American alligator in upper bay system.	Fish and invertebrate nursery with scattered oysters. White shrimp high. Recreational fishing area.	HIGH	HIGH	Spartina alterniflora marsh leading to areas of Salicornia and Batis
PPA1050	MEDIUM	Outside beach north of Port OConnor			Fish and invertebrate nursery	MEDIUM	MEDIUM	SAV

Biological Resources

Bird

RARNUM	NAME	S	F	CONC	J	F	M	A	M	J	J	A	S	O	N	D	NESTING	LAYING	HATCHING	FLEDGING
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				
	Blue-winged teal				X	X	X	X	X	X		X	X	X	X	X	APR-MAY			
413	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
435	Aplomado falcon		E	LOW	X	X	X	X	X	X	X	X	X	X	X	X				
437	Wading birds				X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	MAR-JUL	MAR-JUL	MAR-AUG
438	Laughing gull			12	X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	FEB-AUG	FEB-AUG	MAR-SEP
	Black skimmer	C		54	X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	APR-SEP	APR-SEP	APR-SEP
	Least tern		E				X	X	X	X	X	X	X	X			APR-SEP	APR-SEP	MAY-SEP	MAY-SEP
	Forster's tern				X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	MAR-AUG	MAR-AUG	MAR-SEP
	Royal tern				X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	FEB-AUG	FEB-AUG	MAR-SEP
	Gull-billed tern				X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	FEB-AUG	FEB-AUG	MAR-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
	Cattle egret				X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	APR-JUL	APR-JUL	APR-AUG
	Reddish egret				X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	APR-AUG	APR-AUG	APR-SEP
	Tricolored heron	C			X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	APR-AUG	APR-AUG	MAY-SEP
444	Brown pelican				X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	APR-AUG	APR-AUG	APR-AUG
	Gulls				X	X	X	X	X	X	X	X	X	X	X	X				
	Terns				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				
	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
	Waterfowl				X	X	X	X	X	X	X	X	X	X	X	X				
	Northern shoveler				X	X	X	X	X				X	X	X	X				
	Mottled duck	C			X	X	X	X	X	X	X	X	X	X	X	X	JAN-AUG	JAN-AUG	JAN-AUG	FEB-SEP
	Teals				X	X	X	X					X	X	X	X				
	Geese				X	X	X	X						X	X	X				
	Canvasback				X	X	X	X						X	X	X				
	Snow goose				X	X	X						X	X	X	X				
455	Shorebirds				X	X	X	X	X	X	X	X	X	X	X	X				
	Waterfowl				X	X	X	X	X	X	X	X	X	X	X	X				

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		

Fish

RARNUM	NAME	S	F	CONC	J	F	M	A	M	J	J	A	S	O	N	D	LARV/JUV	SPAWNING
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
435	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
	Black drum				X	X	X	X	X	X	X	X	X	X	X	X	ALLYEAR	DEC-MAY
	Atlantic bumper				X	X	X	X	X	X	X	X	X	X	X	X		
	Atlantic tripletail							X	X	X	X	X	X	X				JUN-AUG
	Atlantic needlefish				X	X	X	X	X	X	X	X	X	X	X	X		JUN-AUG
436	Native fish community				X	X	X	X	X	X	X	X	X	X	X	X		
437	Native fish community				X	X	X	X	X	X	X	X	X	X	X	X		
444	Native fish community				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	JAN-MAY	FEB-APR
	Tarpon				X	X	X	X	X	X	X	X	X	X	X	X		APR-JUL
	Black drum				X	X	X	X	X	X	X	X	X	X	X	X	ALLYEAR	DEC-MAY
	Silver perch				X	X	X	X	X	X	X	X	X	X	X	X	ALLYEAR	APR-SEP
	Gars				X	X	X	X	X	X	X	X	X	X	X	X		MAY-AUG
	Florida pompano				X	X	X	X	X	X	X	X	X	X	X	X		FEB-OCT
	King mackerel				X	X	X	X	X	X	X	X	X	X	X	X		MAY-SEPT
	Spanish mackerel				X	X	X	X	X	X	X	X	X	X	X	X		MAY-SEPT
455	Native fish community				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	JAN-MAY	FEB-APR
	Black drum				X	X	X	X	X	X	X	X	X	X	X	X	ALLYEAR	DEC-MAY

Invertebrate

RARNUM	NAME	S	F	CONC	J	F	M	A	M	J	J	A	S	O	N	D	LARV/JUV	SPAWNING
111	Eastern oyster				X	X	X	X	X	X	X	X	X	X	X	X	MAY-JAN	MAR-NOV
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		
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		
435	Dwarf surf clam				X	X	X	X	X	X	X	X	X	X	X	X		MAY-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		
	Polychaetes				X	X	X	X	X	X	X	X	X	X	X	X		
	Atlantic brief squid				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		
436	Native shrimp and crab community				X	X	X	X	X	X	X	X	X	X	X	X		
437	Native shrimp and crab community				X	X	X	X	X	X	X	X	X	X	X	X		
438	Eastern oyster				X	X	X	X	X	X	X	X	X	X	X	X	MAY-JAN	MAR-NOV
444	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		
455	Atlantic brief squid				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		

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
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					
435	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					
444	Spinner dolphin				X	X	X	X	X	X	X	X	X	X	X	X				
	Bottlenose dolphin				X	X	X	X	X	X	X	X	X	X	X	X	MARCH-MAY	JUL-AUG	JAN-DEC	JAN-DEC
455	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

Reptile

RARNUM	NAME	S	F	CONC	J	F	M	A	M	J	J	A	S	O	N	D	NESTING	LAYING	HATCHING	LARV/JUV
410	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	
436	Green sea turtle		T		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
437	American alligator				X	X	X	X	X	X	X	X	X	X	X	X	JUN-SEP	JUN-DEC	JUN-DEC	ALLYEAR
	Loggerhead sea turtle		T		X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG		MAY-OCT	ALLYEAR
	Green sea turtle		T		X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG		MAY-OCT	ALLYEAR
	Leatherback sea turtle		E	LOW	X	X	X	X	X	X	X	X	X	X	X	X				ALLYEAR
	Atlantic hawksbill sea turtle		E	LOW				X	X	X	X	X	X	X						APR-OCT
	Kemp's ridley sea turtle		E		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	
444	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	LOW	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG		MAY-OCT	ALLYEAR

Human Use Resources

Boat Ramp	RARNUM	NAME	CONTACT	CONTACT INFO
	2170	Indianola Fishing Marina		
Facility	RARNUM	NAME	CONTACT	CONTACT INFO
	1383	Indianola Fishing Marina, Inc.	Brenda Hanselka	361-652-2134 / 361-920-8255

**SAFETY NOTE:** The second bend after entering the mouth of Powder Horn Lake should be navigated with caution due to a reef at the point of the bend (starboard side). Because of a steep sideways slant and shallow water during winter months the unchained boat ramp should

8. Site Number: 138-A	9. Quad Name Keller Bay	10. NOAA Chart # 11316	11. GLO Atlas Page # 138	12. County Calhoun
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The entrance to Powder Horn Lake is located at the end of S. Ocean drive just off of Texas Road 316 east in Indianola, Texas. This area is used mainly for commercial fishing vessel docking and some recreational fishing vessels and pleasure craft traffic.

14. Latitude From: 28 30' 38"	To:
15. Longitude From: 96 29' 10"	To:

16. Closest Boat Ramp	17. Distance From Ramp	18. Boat Type
Water access can be gained at 2 boat ramps located at the mouth of Powder Horn Lake. Access to the boat ramp with the chain gate can be obtained from Magnolia Fire Chief John Bailev at 361 552-5646. P	5 minutes	Flat Bottom Boat

<p><b>19. Directions From Local Sector</b></p> <p>Texas HWY 35 to Farm Road 2433 east (1.5 miles) to Texas Rd. 238 south (1.7 miles) to Texas Rd. 316 east (9.6 miles) to S. Ocean Dr. (left turn) 1.3 miles to Powder Horn Lake.</p>	<p><b>20. Closest Airport</b></p> <p>Port Lavaca Airpirt</p>
	<p><b>21. Closest Helo Spot</b></p> <p>Marin Midstream</p>

22. Trustee/Contact Numbers	23. Resources at Risk	24. Width of inlet 700'
USCG: 361-582-0362 RRC: 210-227-1313	Atlas Priority High	in ft.
USCG DUTY: 361-533-0087 TPWD: 361-658-3181	Environmental <b>High</b>	25. Water depth in ft. 6'
TGLO: (800) 832-8224 NRDA: (512) 463 -9309		26. Current Slow
TCEQ: 361-825-3100 USFWS: 361-286-3559	Economic Medium	27. No. of Personnel 4

Diversion or exclusion depending on tidal movements and wind.



29. Prepared By:	30. Reviewed by (PSC)	31. Reviewed by (OSC):
Assignment List	ICS 204 OS (Geographic Response Plan)	Project Updated:
"Response strategies may need to be modified to account for changes due to seasonality, weather conditions, spill characteristics, tides and any other considerations."		