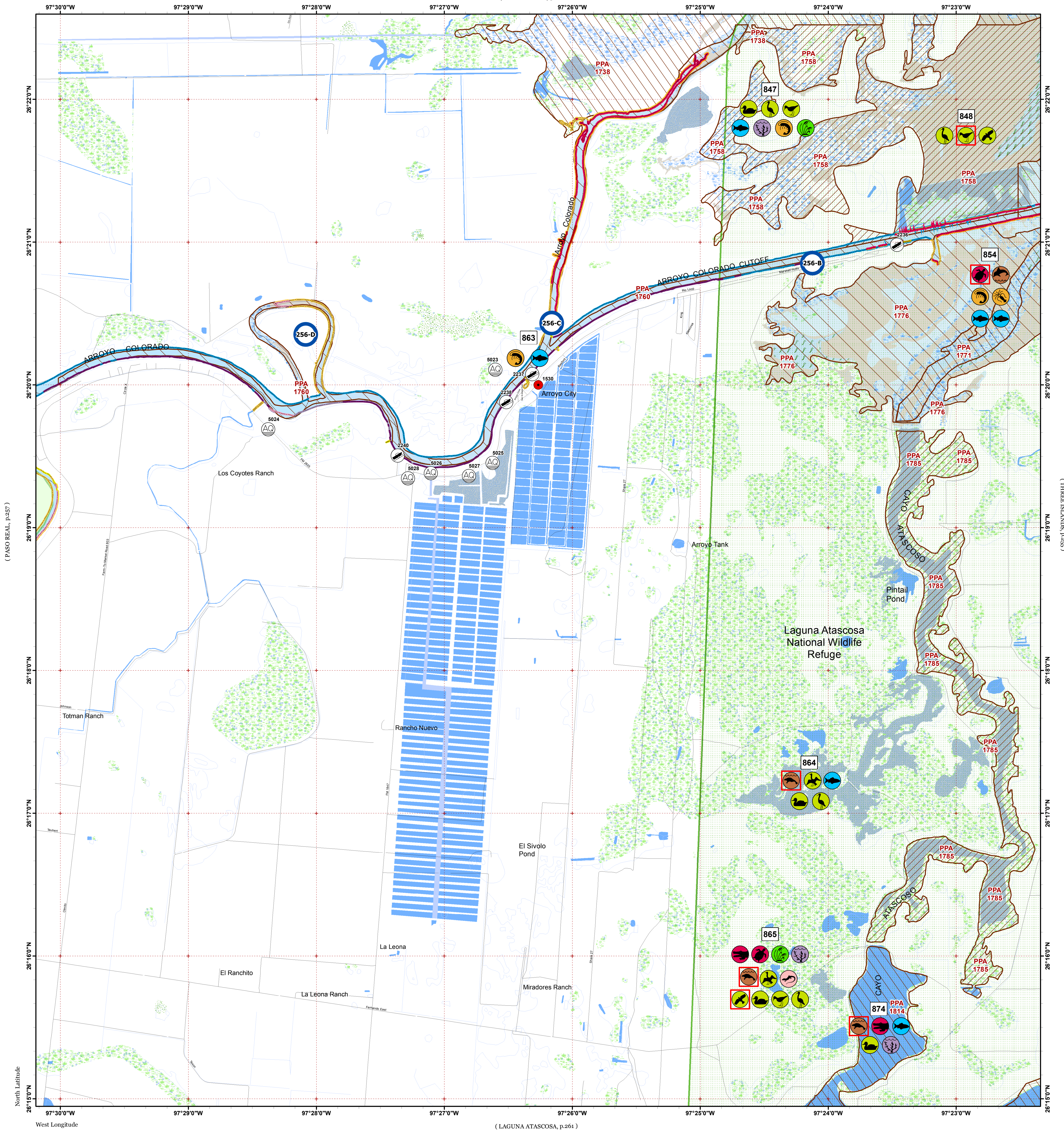


LA LEONA

(HAWK ISLAND, p.250)

Click Here or Scroll Down for Associated Map Data

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



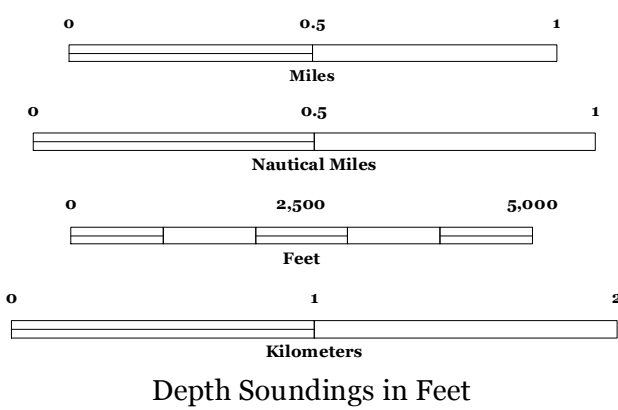
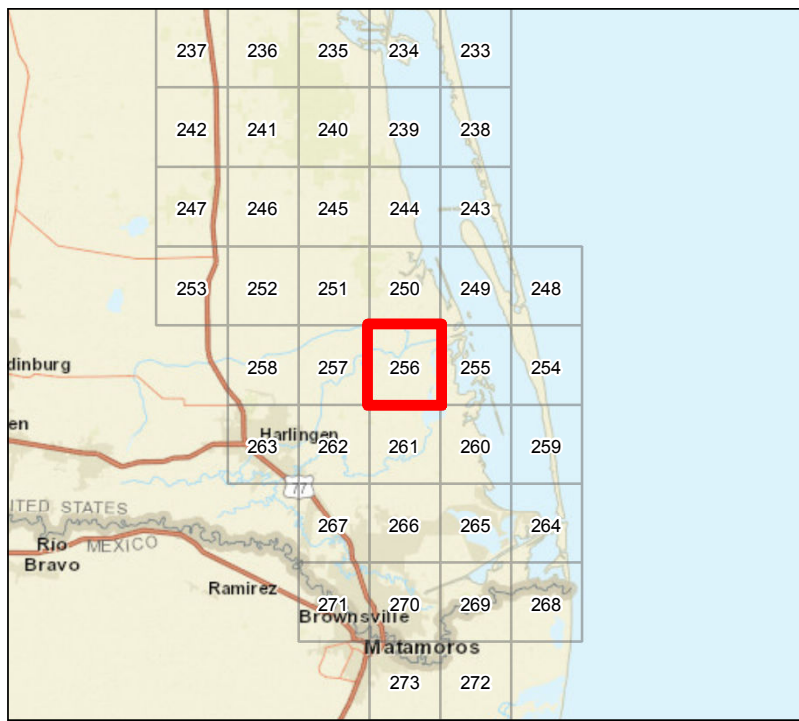
(PASO REAL, p.257)

(THREE ISLANDS, p.253)



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

- Aquaculture Site
- Boat Ramp
- Facility
- Geographic Response Plan

Map Base Layers

- Road
- Wildlife Refuge
- Estuarine Seagrass or Algae Bed
- Bays
- Salt and Brackish Marshes
- Beach or Tidal Flat
- Exposed Lake Shore
- Freshwater Marshes
- Swamps and Flooded Woodlands
- Willow Thickets
- Lake / Pond
- Tidally Influenced River
- Perennial River
- County Boundary

Priority Protection Areas

- HIGH
- MEDIUM
- LOW

Species Icons Within Map Quad

- Amphibian
- Alligator
- Turtle
- Turtle T/E
- Benthic Marine
- Shrimp
- Fish
- Fish T/E
- Dolphin
- Mammal T/E
- Marsh
- Plant
- Diving Bird
- Raptor
- Raptor Endangered
- Shorebird
- Shorebird Endangered
- Wading
- 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: LA LEONA

Map # :256

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
PPA1738	MEDIUM	Arroyo Colorado delta	MEDIUM	Feeding area for waterfowl, including redheads, geese			MEDIUM	Salt grass marsh, mud and algal flats
PPA1758	HIGH	Flats north of Arroyo Colorado Cutoff	HIGH	Concentrations of reddish egret, snowy plover, piping plover, many shorebirds; peregrine falcon				Algal, sand and mud flats
PPA1760	LOW	Arroyo Colorado and Arroyo Colorado Cutoff			Important nursery	HIGH		
PPA1771	MEDIUM	Cayo Atascoso	HIGH	Waterfowl, shorebirds, peregrine falcons	Nursery	HIGH		
PPA1776	LOW	Flats surrounding Cayo Atascoso	HIGH	Shorebirds, waterfowl, peregrine falcon, white pelicans				Sand, mud and some algal mat
PPA1785	HIGH	Cayo Atascoso	HIGH	Shorebirds, waterfowl	Nursery (weir limits access by organisms); sport fishing prohibited	MEDIUM	HIGH	Brackish open water, with Ruppia and Chara
PPA1814	MEDIUM	Laguna Atascosa	HIGH	Waterfowl (canvasback, redhead, ruddy ducks)	Some nursery function; no sport fishing	LOW		Intermittent fresh to brackish lake; Ruppia, Chara, freshwater plants

Biological Resources

Bird

RARNUM	NAME	S	F	CONC	J	F	M	A	M	J	J	A	S	O	N	D	NESTING	LAYING	HATCHING	FLEDGING
847	Shorebirds				X	X	X	X	X	X	X	X	X	X	X	X				
	American avocet				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				
848	Geese				X	X	X	X						X	X	X				
	Peregrine falcon				X	X	X	X	X				X	X	X	X				
	Shorebirds			HIGH	X	X	X	X	X	X	X	X	X	X	X	X				
	Dunlin				X	X	X	X	X					X	X	X				
	Red knot		T					X	X			X	X							
	Western sandpiper	C		HIGH	X	X	X	X			X	X	X	X	X	X				
	Least sandpiper				X	X	X	X	X		X	X	X	X	X	X				
	Snowy plover			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	FEB-AUG	FEB-AUG	MAR-SEP
	Piping plover		T		X	X	X	X	X		X	X	X	X	X	X				
	Yellowlegs				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
	Reddish egret				X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	APR-AUG	APR-AUG	APR-SEP
864	Pied-billed grebe				X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	MAR-AUG	MAR-AUG	APR-SEP
	Wading birds				X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	MAR-JUL	MAR-JUL	MAR-AUG
	Northern pintail	C			X	X	X	X				X	X	X	X	X				
	American wigeon				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
	Redhead				X	X	X	X	X					X	X	X				
	American coot				X	X	X	X	X	X	X	X	X	X	X	X				
865	Migratory songbirds						X	X	X	X		X	X	X	X					
	Least grebe				X	X	X	X	X	X	X	X	X	X	X	X				
	Aplomado falcon		E	LOW	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				
	Sandhill crane				X	X	X	X					X	X	X	X				
	Waterfowl				X	X	X	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
874	Waterfowl				X	X	X	X	X	X	X	X	X	X	X	X				
	Geese				X	X	X	X						X	X	X				
	Redhead			HIGH	X	X	X	X	X					X	X	X				
	Canvasback				X	X	X	X						X	X	X				
	American white pelican	C			X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	FEB-AUG	FEB-AUG	MAR-SEP

Fish

RARNUM	NAME	S	F	CONC	J	F	M	A	M	J	J	A	S	O	N	D	LARV/JUV	SPAWNING
847	Native fish community				X	X	X	X	X	X	X	X	X	X	X	X		
	Gars				X	X	X	X	X	X	X	X	X	X	X	X		MAY-AUG
854	Native fish community				X	X	X	X	X	X	X	X	X	X	X	X		
	Sharks				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
	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
	Shad				X	X	X	X	X	X	X	X	X	X	X	X		
	Gars				X	X	X	X	X	X	X	X	X	X	X	X		MAY-AUG
	Rays				X	X	X	X	X	X	X	X	X	X	X	X		
	Finescale menhaden				X	X	X	X	X	X	X	X	X	X	X	X		
	Native fish community				X	X	X	X	X	X	X	X	X	X	X	X		
863	Tarpon				X	X	X	X	X	X	X	X	X	X	X	X		APR-JUL
	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
	Gars				X	X	X	X	X	X	X	X	X	X	X	X		MAY-AUG

## Invertebrate

RARNUM	NAME	S	F	CONC	J	F	M	A	M	J	J	A	S	O	N	D	LARV/JUV	SPAWNING
847	Native shrimp and crab community				X	X	X	X	X	X	X	X	X	X	X	X		
854	Native shrimp and crab community				X	X	X	X	X	X	X	X	X	X	X	X		
863	Native shrimp and crab community				X	X	X	X	X	X	X	X	X	X	X	X		

## Mammal

RARNUM	NAME	S	F	CONC	J	F	M	A	M	J	J	A	S	O	N	D	LARV/JUV	SPAWNING	MATING	CALVING
854	Bottlenose dolphin				X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	JUL-AUG	JAN-DEC	JAN-DEC
864	West Indian manatee		E	LOW			X	X	X	X	X	X	X	X	X					
865	Ocelot		E	LOW	X	X	X	X	X	X	X	X	X	X	X	X				
874	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
854	Green sea turtle		T	LOW	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG		MAY-OCT	ALLYEAR
865	American alligator				X	X	X	X	X	X	X	X	X	X	X	X	JUN-SEP	JUN-DEC	JUN-DEC	ALLYEAR
	Black-striped snake			LOW	X	X	X	X	X	X	X	X	X	X	X	X				
	Texas tortoise				X	X	X	X	X	X	X	X	X	X	X	X	JUN-JUL			
874	American alligator				X	X	X	X	X	X	X	X	X	X	X	X	JUN-SEP	JUN-DEC	JUN-DEC	ALLYEAR

### Human Use Resources

Aquaculture Site	RARNUM	NAME	CONTACT	CONTACT INFO
	5023	Harlingen Shrimp Farm LTD		36383 Marshall Hutts Road, Rio Hondo, TX 78583 -
	5024	Yuan Shih Kou		33953 FM 2925, Rio Hondo, TX 78583 -
	5025	Michael's Shrimp Farm		35815 Marshall Hutts Road, Rio Hondo, TX 78583 -
	5026	Southern Star Shrimp Farm		35518 Marshall Hutts Road, Rio Hondo, TX 78583 -
	5027	Cameron Shrimp Farm Inc.		35755 Marshall Hutts Road, Rio Hondo, TX -
	5028	San Tung Inc.		35417 Marshall Hutts Road, Rio Hondo, TX 78583 -
Boat Ramp	RARNUM	NAME	CONTACT	CONTACT INFO
	2236	Adolph Thomae JR County Park		cameronnuecesrio@adolphthomaepark
	2237	Sanchez Bait Stand		cameronnuecesrio@sanchezbaitstand
	2238	Arroyo City RV Resort		
	2240	Gabby's Boat Ramp		
Facility	RARNUM	NAME	CONTACT	CONTACT INFO
	1530	Michael Shrimp Farm	James Chen	956-748-4226



**SAFETY NOTE:** High vessel traffic from boat ramp and Intracoastal Waterway

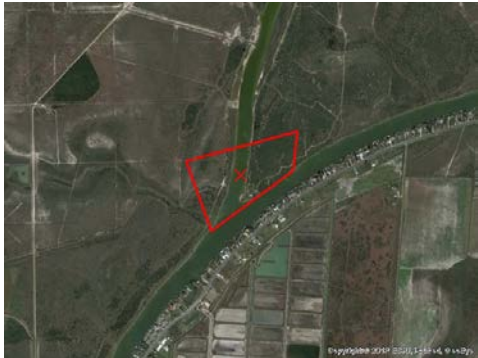
8. Site Number: 256-B	9. Quad Name La Leona	10. NOAA Chart # 11303	11. GLO Atlas Page # 256	12. County Cameron	
13. Site Information: <b>Adolph Thomae Jr. Park</b> Adolph Thomae Jr. Park is a gated park surrounded by the Laguna Atascosa Wildlife Refuge. The park contains RV hookups, fishing pier, and a boat ramp. This park open 24 hours and is encompassed by fishing piers, bulkheads, and clay banks.				14. Latitude From: 26 20' 55" N	To:
				15. Longitude From: 097 23' 54" W	To:
16. Closest Boat Ramp Adolph Thomae Jr. Boat Ramp			17. Distance From Ramp 0.0 nm	18. Boat Type Multiple Types	
19. Directions From Local Sector Hwy 77 south exit Hwy 100. East on Hwy 100 to N. Arroyo Blvd. North on Arroyo Blvd. to Marshall Hutts Rd. at end. East on Marshall Hutts Rd. to Adolph Thomae Park at East end of road. Vessel need to access water way.				20. Closest Airport Port Isabel Cameron Co. Airport	
				21. Closest Helo Spot Port Isabel Cameron Co. Airport	
22. Trustee/Contact Numbers		23. Resources at Risk Atlas Priority High  Environmental <b>High</b>  Economic High		24. Width of inlet 0' in ft.	
USCG: 956-364-7400	RRC: 512-463-6788			25. Water depth in ft. 6'	
USCG DUTY: 956-592-0544	TPWD: 713-869-5001			26. Current Medium	
TGLO: (800) 832-8224	NRDA: (512) 463 -9309			27. No. of Personnel 4	
TCEQ: 956-778-5423	USFWS: 956-748-3607				

Exclusion boom for the Adolph Thomae Jr. Park to move product away from populated areas. Diversion boom to move product to collection point along park bulkhead.



ON SITE PHOTO

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."		

1. Incident Name		2. Operational Period (Date/Time)		Assignment List ICS 204-OS	
3. Branch			4. Division/Group		
5. Operations Personnel Operations Section Chief _____ Branch Director _____ Division/Group Supervisor _____					
6. Resources Assigned This Period "X" Indicates 204a attachment with special instructions					
Resource Identifier		Leader	Contact Info #	# of Persons	Reporting Info/Notes/Remarks
7. Assignments					
<b>SAFETY NOTE:</b> High vessel traffic from boat ramp and Intracoastal Waterway					
8. Site Number: 256-C	9. Quad Name La Leona	10. NOAA Chart # 11303	11. GLO Atlas Page # 256	12. County Cameron/Willacy	
13. Site Information: <b>Dos Rios</b> Dos Rios is the original out or of the Arroyo Colorado River to the Lower Laguna Madre. The site is encompassed by salt and brackish marshes and sheltered tidal flats. The river meanders directly into the Laguna Atascosa Wildlife refuge.				14. Latitude From: 26 20' 20" N	To:
				15. Longitude From: 097 26' 11" W	To:
16. Closest Boat Ramp Adolph Thomae Jr. Boat Ramp			17. Distance From Ramp 2.56 nm	18. Boat Type Semi V Hull Boat	
19. Directions From Local Sector Hwy 77 south exit Hwy 100. East on Hwy 100 to N. Arroyo Blvd. North on Arroyo Blvd. to Marshall Hutts Rd. at end. East on Marshall Hutts Rd. to Adolph Thomae Park at East end of road. Vessel need to access water way.				20. Closest Airport Port Isabel Cameron Co. Airport	
				21. Closest Helo Spot Port Isabel Cameron Co. Airport	
22. Trustee/Contact Numbers USCG: 956-364-7400 RRC: 512-463-6788 USCG DUTY: 956-592-0544 TPWD: 713-869-5001 TGLO: (800) 832-8224 NRDA: (512) 463 -9309 TCEQ: 956-778-5423 USFWS: 956-748-3607		23. Resources at Risk Atlas Priority High  Environmental <b>High</b>  Economic High		24. Width of inlet 695' in ft. 25. Water depth in ft. 2-6' 26. Current Medium 27. No. of Personnel 4	
25. Booming Strategy <b>Recommendation</b> Deflection boom to divert product to out of the Dos Rios and to a collection point.					
AERIAL PHOTO 			ON SITE PHOTO		
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."					

**SAFETY NOTE:** High vessel traffic from boat ramp and Intracoastal Waterway

8. Site Number: 256-D	9. Quad Name La Leona	10. NOAA Chart # 11303	11. GLO Atlas Page # 256	12. County Cameron/ Willacy Co.	
13. Site Information: <b>Oxbow/wetland</b> A small oxbow lake that was once part of the natural flow of the Arroyo Colorado River. The site is encompassed by brackish marshes and a fresh water swamp.				14. Latitude From: 26 19' 57" N	To:
				15. Longitude From: 097 28' 02" W	To:
16. Closest Boat Ramp Adolph Thomae Jr. Boat Ramp			17. Distance From Ramp 4.9 nm	18. Boat Type Flat Bottom Boat	
19. Directions From Local Sector Hwy 77 south exit Hwy 100. East on Hwy 100 to N. Arroyo Blvd. North on Arroyo Blvd. to Marshall Hutts Rd. at end. East on Marshall Hutts Rd. to Adolph Thomae Park at East end of road. Vessel need to access water way.				20. Closest Airport Port Isabel-Cameron Co. Airport	
				21. Closest Helo Spot Port Isabel-Cameron Co. Airport	
22. Trustee/Contact Numbers		23. Resources at Risk		24. Width of inlet    382'	
USCG:	956-364-7400      RRC:      512-463-6788	Atlas Priority    High		in ft.	
USCG DUTY:	956-592-0544      TPWD:      713-869-5001			25. Water depth in ft.    2-4'	
TGLO:	(800) 832-8224      NRDA:      (512) 463 -9309	Environmental <b>High</b>		26. Current    Slow	
TCEQ:	956-778-5423      USFWS:      956-748-3607	Economic      High		27. No. of Personnel    2	

Protection boom of the entrance to the oxbow/wetland lake. Exclude product from sensitive area.



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."		