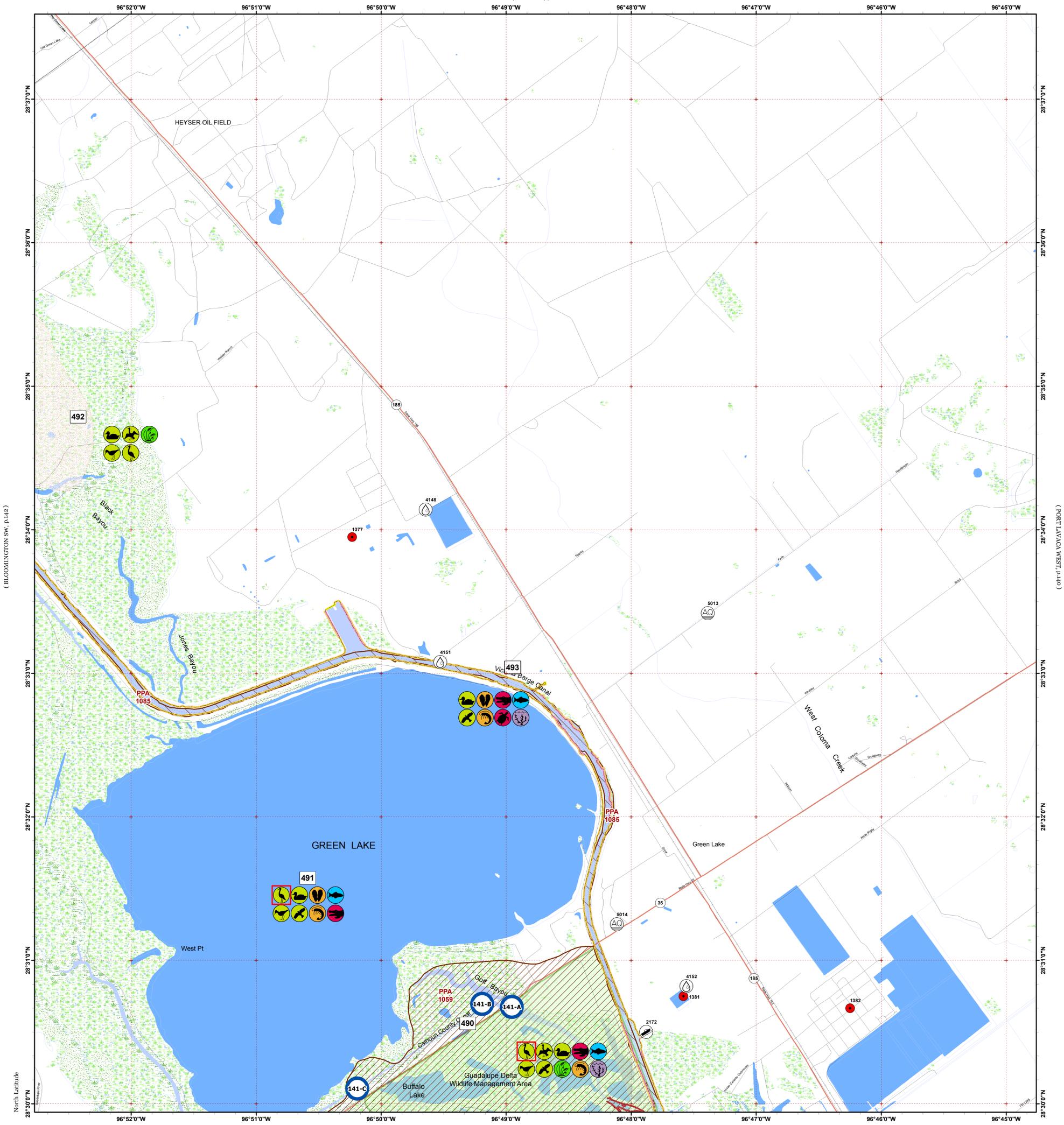


GREEN LAKE

(PLACEDO, p.132)

Click Here or Scroll Down for Associated Map Data

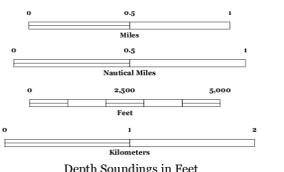
Click on the Geographic Response Plan Target to View the ICS Form






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.

Depth Soundings in Feet

Human Use Features

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

Priority Protection Areas

- HIGH
- LOW

Map Base Layers

- State Highway
- Railroads
- Road
- GIWW
- State Parks/WMA's
- Bays
- Salt and Brackish Marshes
- Intertidal Scrub/Shrub
- Exposed Lake Shore
- Freshwater Marshes
- Swamps and Flooded Woodlands
- Willow Thickets
- Lake / Pond
- Perennial River
- County Boundary

Species Icons Within Map Quad

- Alligator
- Turtle
- Bivalve
- Cephalopod
- Shrimp
- Fish
- Marsh
- Plant
- Diving Bird
- 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: GREEN LAKE

Map # :141

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
PPA1059	HIGH	Guadalupe Delta Wildlife Management Area	HIGH	High waterfowl usage on eastern side; wood stork, American alligator, snakes, frogs	Freshwater marsh with fresh and saltwater species throughout.	HIGH	HIGH	Water hyacinth, black willow, Juncus effusus, Phragmites, Borrchia, Paspalum, cattail.
PPA1085	LOW	Victoria Barge Canal	LOW	American alligator	Winter sheltering area for sport fishes including red drum, spotted seatrout, black drum, shrimp (white and brown), blue crab.	MEDIUM		

Biological Resources

Bird

RARNUM	NAME	S	F	CONC	J	F	M	A	M	J	J	A	S	O	N	D	NESTING	LAYING	HATCHING	FLEDGING
490	Anhinga				X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	APR-AUG	APR-AUG	APR-AUG
	Bald eagle				X	X	X	X	X	X	X	X	X	X	X	X	JAN-AUG	JAN-AUG	JAN-AUG	FEB-SEP
	Shorebirds			HIGH	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
	Whooping crane		E		X	X	X	X						X	X	X				
	Wood stork				X	X	X	X	X	X	X	X	X	X	X	X				
	Waterfowl			HIGH	X	X	X	X	X	X	X	X	X	X	X	X				
	Blue-winged teal				X	X	X	X	X	X			X	X	X	X	APR-MAY			
Gadwall			HIGH	X	X	X	X						X	X	X					
491	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				
	Whooping crane		E		X	X	X	X						X	X	X				
	Waterfowl				X	X	X	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
Snow goose				X	X	X							X	X	X					
492	Anhinga				X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	APR-AUG	APR-AUG	APR-AUG
	Shorebirds				X	X	X	X	X	X	X	X	X	X	X	X				
	Green heron				X	X	X	X	X	X	X	X	X	X	X	X				
	Black-crowned night-heron				X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	APR-AUG	APR-AUG	APR-SEP
	Yellow-crowned night heron			4	X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	APR-SEP	APR-SEP	APR-SEP
	Cormorants				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
	Roseate spoonbill				X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	APR-AUG	APR-AUG	MAY-SEP
	Cattle egret				X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	APR-JUL	APR-JUL	APR-AUG
	Little blue heron				X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	APR-JUL	APR-JUL	MAY-AUG
White ibis				X	X	X	X	X	X	X	X	X	X	X	X	FEB-JUN	FEB-JUN	FEB-JUN	MAR-JUL	
Waterfowl				X	X	X	X	X	X	X	X	X	X	X	X					
493	Bald eagle				X	X	X	X	X	X	X	X	X	X	X	X	JAN-AUG	JAN-AUG	JAN-AUG	FEB-SEP
	Waterfowl				X	X	X	X	X	X	X	X	X	X	X	X				
	Geese			HIGH	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	
490	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	
	Bullhead catfish				X	X	X	X	X	X	X	X	X	X	X	X		MAY-JUL	
	Blue catfish				X	X	X	X	X	X	X	X	X	X	X	X		APR-MAY	
	Smallmouth buffalo				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	
	White crappie				X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	JAN-DEC	
	491	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
Alligator gar					X	X	X	X	X	X	X	X	X	X	X	X		APR-MAY	
Blue catfish					X	X	X	X	X	X	X	X	X	X	X	X		APR-MAY	
Smallmouth buffalo				HIGH	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	
Largemouth bass					X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	MAR-AUG	
Crappie				X	X	X	X	X	X	X	X	X	X	X	X				
493	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	
	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	
	Smallmouth buffalo				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		

Invertebrate

RARNUM	NAME	S	F	CONC	J	F	M	A	M	J	J	A	S	O	N	D	LARV/JUV	SPAWNING
490	Native shrimp and crab community				X	X	X	X	X	X	X	X	X	X	X	X		
491	Eastern oyster				X	X	X	X	X	X	X	X	X	X	X	X	MAY-JAN	MAR-NOV
	Brackishwater clam				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		
493	Eastern oyster				X	X	X	X	X	X	X	X	X	X	X	X	MAY-JAN	MAR-NOV

Invertebrate

RARNUM	NAME	S	F	CONC	J	F	M	A	M	J	J	A	S	O	N	D	LARV/JUV	SPAWNING
	Brackishwater clam				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		

Reptile

RARNUM	NAME	S	F	CONC	J	F	M	A	M	J	J	A	S	O	N	D	NESTING	LAYING	HATCHING	LARV/JUV
490	American alligator				X	X	X	X	X	X	X	X	X	X	X	X	JUN-SEP	JUN-DEC	JUN-DEC	ALLYEAR
491	American alligator			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	JUN-SEP	JUN-DEC	JUN-DEC	ALLYEAR
493	American alligator				X	X	X	X	X	X	X	X	X	X	X	X	JUN-SEP	JUN-DEC	JUN-DEC	ALLYEAR
	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

Aquaculture Site	RARNUM	NAME	CONTACT	CONTACT INFO
	5013	Robert Marek		2860 Farik Road, Port Lavaca, TX 77979 -
	5014	Greenlake Fisheries		P.O. Box 637, Bloomington, TX 77951 - 361-897-1300
Boat Ramp	RARNUM	NAME	CONTACT	CONTACT INFO
	2172			
Facility	RARNUM	NAME	CONTACT	CONTACT INFO
	1377	Green Lake Plant	Paul Wachtendorf	361-552-8411
	1381	Seadrift Coke	Erik Wheelock	361-552-8887
	1382	Union Carbide Corporation - Seadrift Facility	Robert DeLeon	361-553-2353
Water Intake	RARNUM	NAME	CONTACT	CONTACT INFO
	4148	INEOS GREEN LAKE PLANT		
	4151	PATRICK H WELDER JR ET AL		
	4152	SEADRIFT COKE PLANT		

1. Incident Name	2. Operational Period (Date/Time)	Assignment List ICS 204-OS
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3. Branch	4. Division/Group
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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

SAFETY NOTE: Swift currents and thick vegetation. Watch for large pieces of debris on and under the water line. Snags and fallen trees may pose a safety threat. Be aware of alligators, snakes, and high concentrations of mosquitoes.

8. Site Number: 141-A	9. Quad Name Green Lake	10. NOAA Chart # 11315	11. GLO Atlas Page # 141	12. County Calhoun
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13. Site Information: 141-A Bridge height off water is approximately 5-8 feet. Water depth is approximately 5- 10 feet. Current is dependent on rainfall upstream within the past two weeks. Water lilies may make boat maneuvering difficult.	14. Latitude From: 28 30' 41"	To:	
	15. Longitude From: 96° 49 08.25 W	To:	

16. Closest Boat Ramp Goff boat ramp.(limited access)	17. Distance From Ramp 50 yards	18. Boat Type Shallow draft work boat.
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19. Directions From Local Sector Head South on Highway 35. Cross the Victoria Barge Channel. First bayou after the Barge Canal	20. Closest Airport Port Lavaca Airport
	21. Closest Helo Spot Martin Midstream Port O'Connor

22. Trustee/Contact Numbers	23. Resources at Risk	24. Width of inlet 115 yards in ft.
USCG: 361-582-0362 RRC: 210-227-1313	Atlas Priority High	25. Water depth in ft. 1' - 8'
USCG DUTY: 361-533-0087 TPWD: 361-658-3181	Environmental High Threatened and Endangered Species, Salt Marshes	26. Current
TGLO: (800) 832-8224 NRDA: (512) 463 -9309	Economic High Hunting, Fishing, Seafood I	27. No. of Personnel 2-4
TCEQ: 361-825-3100 USFWS: 361-286-3559		

25. Booming Strategy Recommendation On scene weather conditions (tides, current and wind) will dictate placement of the deflection boom. Exclusion booming may a viable option



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
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3. Branch	4. Division/Group
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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

SAFETY NOTE: Swift currents and thick vegetation. Watch for large pieces of debris on and under the water line. Snags and fallen trees may pose a safety threat. Be aware of alligators, snakes, and high concentrations of mosquitoes

8. Site Number: 141-B	9. Quad Name Green Lake	10. NOAA Chart # 11315	11. GLO Atlas Page # 141	12. County Calhoun
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13. Site Information: 141-B Bridge height off water is approximately 5-8 feet. Water depth is approximately 5-10 feet. Current is dependent on rainfall upstream within the past two weeks. Water lilies may make boat maneuvering difficult			14. Latitude From: 28 30' 41"	To:
			15. Longitude From: 96 49' 08"	To:

16. Closest Boat Ramp Goff boat ramp.(limited access)	17. Distance From Ramp 15 yards	18. Boat Type Shallow draft work boat.
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19. Directions From Local Sector Head South on Highway 35. Cross the Victoria Barge Channel. First bayou after the Barge Canal		20. Closest Airport Port Lavaca Airport
		21. Closest Helo Spot Martin Midstream Port O'Connor

22. Trustee/Contact Numbers	23. Resources at Risk	24. Width of inlet 50 yards in ft.
USCG: 361-582-0362 RRC: 210-227-1313	Atlas Priority High	25. Water depth in ft. 1'-5'
USCG DUTY: 361-533-0087 TPWD: 361-658-3181	Environmental HIGH Threatened and Endangered Species, Salt Marshes	
TGLO: (800) 832-8224 NRDA: (512) 463 -9309	Economic HIGH Hunting, Fishing, Seafood I	26. Current
TCEQ: 361-825-3100 USFWS: 361-286-3559		27. No. of Personnel 2-4

25. Booming Strategy Recommendation On scene weather conditions (tides, current and wind) will dictate placement of the deflection boom. Exclusion booming may a viable option



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

SAFETY NOTE: Swift currents and thick vegetation. Watch for large pieces of debris on and under the water line. Snags and fallen trees may pose a safety threat. Be aware of alligators, snakes, and high concentrations of mosquitoes

8. Site Number: 141-C	9. Quad Name Austwell	10. NOAA Chart # 11315	11. GLO Atlas Page # 141	12. County Calhoun
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13. Site Information: 141-C Bridge height off water is approximately 5-8 feet. Water depth is approximately 5- 10 feet. Current is dependent on rainfall upstream within the past two weeks. Water lilies may make boat maneuvering difficult.	14. Latitude From: 28 29' 45"	To:	
	15. Longitude From: 96 50' 34"	To:	

16. Closest Boat Ramp Hog Bayou boat ramp.	17. Distance From Ramp 10 yards	18. Boat Type Shallow draft work boats. No canopies.
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19. Directions From Local Sector Head South on State Highway 35 approximately 18 miles.	20. Closest Airport Port Lavaca Airport
	21. Closest Helo Spot Martin Midstream Port O'Connor

22. Trustee/Contact Numbers	23. Resources at Risk	24. Width of inlet 100' in ft.
USCG: 361-582-0362 RRC: 210-227-1313	Atlas Priority High	25. Water depth in ft. 5'-10'
USCG DUTY: 361-533-0087 TPWD: 361-658-3181	Environmental HIGH Threatened and Endangered Species, WMA's	26. Current 0-5 knots
TGLO: (800) 832-8224 NRDA: (512) 463 -9309	Economic HIGH Hunting, Fishing, Seafood I	27. No. of Personnel 2-4
TCEQ: 361-825-3100 USFWS: 361-286-3559		

25. Booming Strategy **Recommendation**
Deflection, exclusion, or containment booming depending on current conditions.



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."