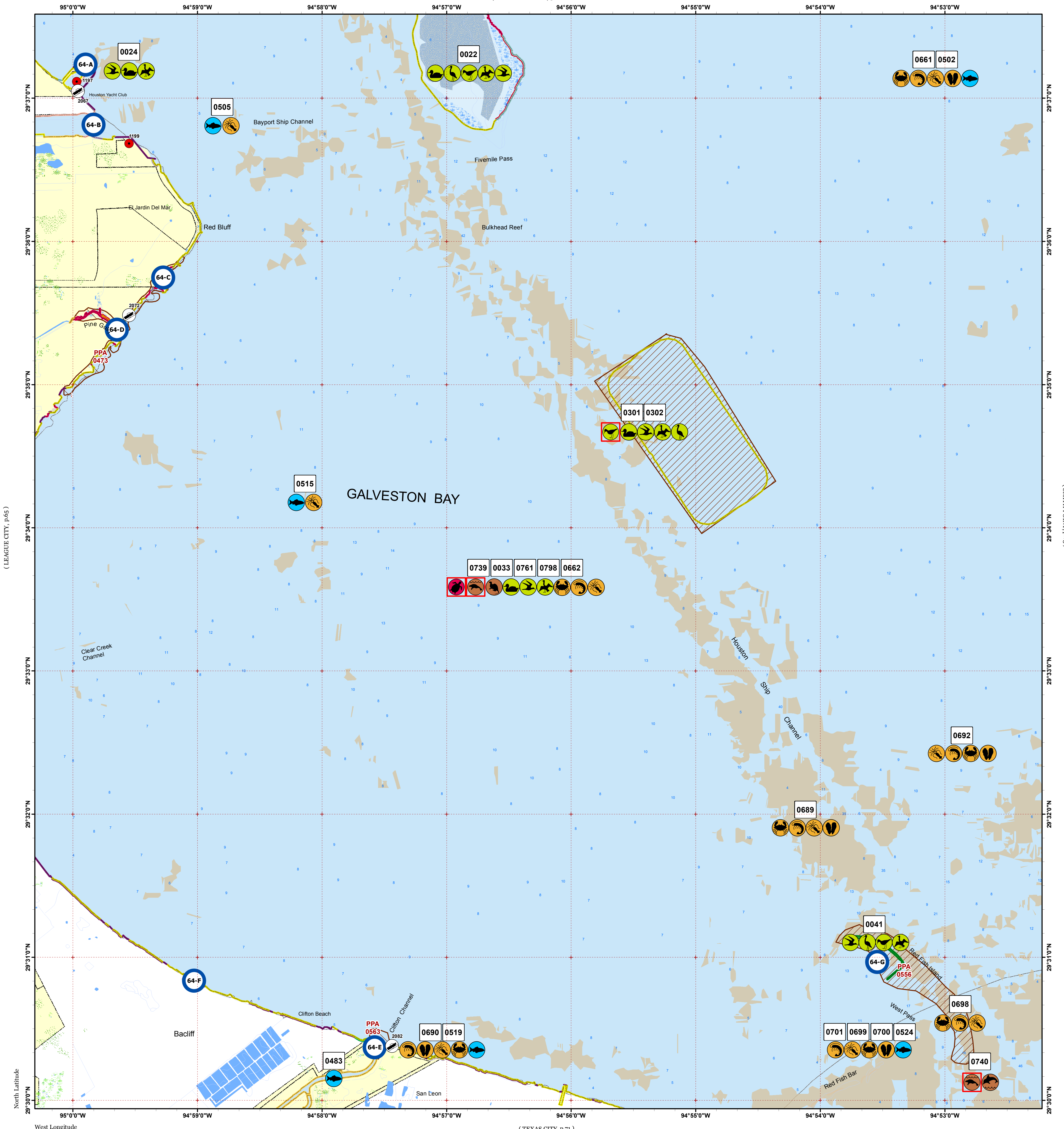


BACLIFF

(MORGANS POINT, p.53)

Click Here or Scroll Down for Associated Map Data

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



(LEAGUE CITY, p.65)

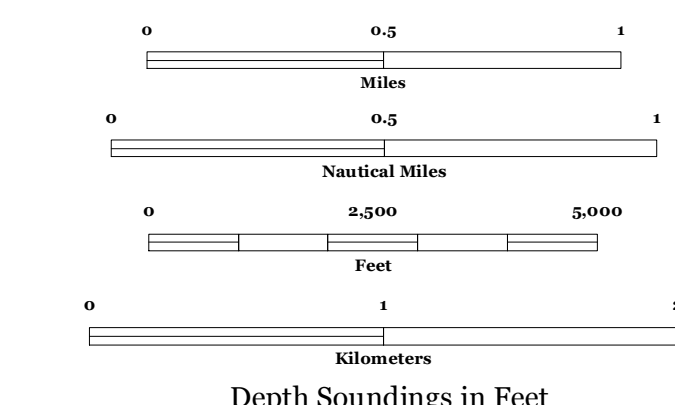
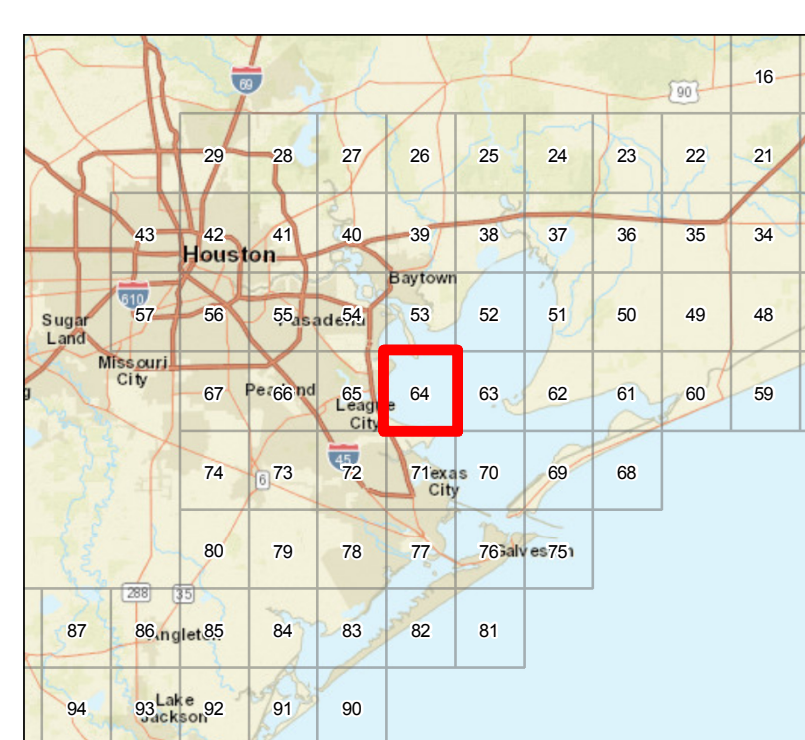
(SMITH POINT, p.63)

(TEXAS CITY, p.71)



Oil Spill Planning and Response Atlas
2016

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- ### Human Use Features
- Boat Ramp
 - Facility
 - Geographic Response Plan

- ### Map Base Layers
- Oysters
 - Bays
 - Salt and Brackish Marshes
 - Beach or Tidal Flat
 - Exposed Lake Shore
 - Freshwater Marshes
 - Swamps and Flooded Woodlands
 - Willow Thickets
 - Lake / Pond
 - County Boundary
 - City Limits

- ### Priority Protection Areas
- HIGH
 - LOW

- ### Species Icons Within Map Quad
- Turtle T/E
 - Benthic Marine
 - Bivalve
 - Cephalopod
 - Crab
 - Shrimp
 - Fish
 - Dolphin
 - Mammal T/E
 - Small Mammal
 - Diving Bird
 - Gull/Tern
 - 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: BACLIFF

Map # :64

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

Habitat Priority Protection Areas

PPA ID	PRIORITY	POLY DESCRIPTION	BIRDS RANK	BIRDS DESCRIPTION	FISH RANK	FISH DESCRIPTION	WETLANDS RANK	WETLANDS DESCRIPTION
	HIGH	HGNC Mid-Bay Island colonial water bird rookery, 600-553	High	Black skimmers, Least terns, Royal terns, Gull-billed terns				
PPA0473	LOW	In and around Pine Gully (Seabrook)					MEDIUM	Fringe of smooth cordgrass
PPA0556	HIGH	Redfish Island	MEDIUM	Redfish Island colonial water bird rookery, 600-240, Royal terns, Forster's terns, Black skimmers				
PPA0563	LOW	Mouth of former P. H. Robinson Power Plant discharge			HIGH	Recreational fishing		

Biological Resources

Bird

RARNUM	NAME	S F	T E	CONC	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting
0022	Cormorants			-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Pelicans			-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Gulls			-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Shorebirds			-	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	-	-	-
	Waterfowl			-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
0024	Cormorants			-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Grebes			HIGH	X	X	X	X	X	X			X	X	X	X	-	-	-
	Loons			HIGH	X	X	X	X	X					X	X	X	-	-	-
	Pelicans			-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	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	-	-	-
	Waterfowl			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
0033	Cormorants			-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Diving birds			-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Grebes			-	X	X	X	X	X	X			X	X	X	X	-	-	-
	Loons			-	X	X	X	X	X					X	X	X	-	-	-
	Pelicans			-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Black skimmer			-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	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	-	-	-
	Diving ducks			-	X	X	X	X	X					X	X	X	-	-	-
0041	Pelicans			-	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	-	-	-
	Shorebirds			-	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	-	-	-
0301	Cormorants			-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Diving birds			-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Grebes			-	X	X	X	X	X	X			X	X	X	X	-	-	-
	Loons			-	X	X	X	X	X					X	X	X	-	-	-
	Pelicans			-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Black skimmer			-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	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	-	-	-
	Piping plover	S/F	T/T	POTENTIAL	X	X	X	X	X		X	X	X	X	X	X	-	-	-
	Diving ducks			-	X	X	X	X	X					X	X	X	-	-	-
0302	Brown pelican			-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Royal tern			-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Piping plover	S/F	T/T	POTENTIAL	X	X	X	X	X		X	X	X	X	X	X	-	-	-
	Wading birds			20000-PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-

Fish

RARNUM	NAME	S F	T E	CONC	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
0483	Tarpon			RARE		X	X	X	X	X	X	X	X	X	X		-	-	-	MAR-NOV	-
0502	Gizzard shad			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	JAN-DEC
	Atlantic croaker			HIGHLY-ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	JAN-JUN	JAN-DEC	JAN-DEC
	Atlantic sharpnose shark			-				X	X	X	X	X	X	X			JUN-JUN	MAY-JUN	JUN-OCT	-	APR-OCT
	Bay anchovy			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	MAR-NOV	MAR-NOV	FEB-NOV	JAN-DEC
	Black drum			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Bull shark			ABUNDANT	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	X			APR-MAY	-	-	APR-OCT	APR-OCT
	Gulf menhaden			HIGHLY-ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	APR-DEC
	Hardhead catfish			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	MAY-SEP	MAY-SEP	JUN-OCT	JAN-DEC
	Pinfish			COMMON			X	X	X	X	X	X	X				-	-	-	MAR-SEP	-
	Red drum			COMMON	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	-	-	-	JUN-MAR*	JAN-DEC
	Southern flounder			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Southern kingfish			COMMON							X	X	X	X			-	-	-	AUG-NOV	-
	Spot			HIGHLY-ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAR-NOV	JAN-DEC
	Spotted seatrout			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-JUL	AUG-NOV	JAN-DEC
	Striped mullet			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Tarpon			RARE		X	X	X	X	X	X	X	X	X			-	-	-	MAR-NOV	-
	White mullet			COMMON				X	X	X	X	X	X				-	-	-	APR-OCT	-
	Gulf killifish			RARE	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-SEP	MAR-OCT	JAN-DEC	JAN-DEC
	Silver perch			RARE	X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-SEP	MAY-SEP	OCT-OCT	JAN-DEC

Fish

RARNUM	NAME	S	F	T	E	CONC	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
	Silversides					COMMON	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	MAR-AUG	MAR-AUG	JAN-DEC	JAN-DEC
	Alligator gar					COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Blue catfish					COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Smallmouth buffalo					-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	JAN-DEC
	Spotted gar					COMMON	X	X	X	X	X	X	X	X	X	X	X	X	APR-MAY	APR-MAY	-	JAN-DEC	JAN-DEC
	Bay whiff					ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAY-AUG	MAY-AUG
	Spotfin mojarra					RARE									X	X			-	-	-	-	-
	Atlantic bumper					RARE									X	X			-	-	-	-	AUG-SEP
	Blacktip shark					-			X	X	X	X	X	X	X	X	X		MAY-JUN	MAY-JUN	MAY-NOV	MAR-NOV	MAY-JUN
	Creville jack					COMMON			X	X	X	X	X	X	X	X	X		-	-	-	MAR-NOV	-
	Gulf butterflyfish					RARE				X	X								-	-	-	-	-
	Spanish mackerel					COMMON										X	X		-	-	-	SEP-OCT	SEP-OCT
	Spinner shark					-						X	X	X	X	X	X		MAY-JUN	MAY-JUN	MAY-JUL	MAY-OCT	MAY-OCT
0505	Gizzard shad					COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	JAN-DEC
	Atlantic croaker					HIGHLY-ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-JUN	JAN-DEC
	Atlantic sharpnose shark					-				X	X	X	X	X	X	X			JUN-JUN	MAY-JUN	JUN-OCT	-	APR-OCT
	Bay anchovy					HIGHLY-ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	MAR-NOV	MAR-NOV	JAN-DEC	JAN-DEC
	Black drum					COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Bull shark					ABUNDANT	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	X	X			APR-MAY	-	-	APR-OCT	MAR-OCT
	Gulf menhaden					HIGHLY-ABUNDANT	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					-	-	-	APR-AUG	-
	Red drum					COMMON	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	-	-	-	JAN-DEC	JAN-DEC
	Southern flounder					ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Southern kingfish					COMMON					X	X	X	X	X	X	X		-	-	-	MAY-NOV	-
	Spot					HIGHLY-ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAR-SEP	JAN-DEC
	Spotted seatrout					COMMON	X	X	X	X	X	X	X	X	X	X	X	X	APR-OCT	APR-OCT	APR-OCT	AUG-NOV	JAN-DEC
	Striped mullet					COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Tarpon					RARE			X	X	X	X	X	X	X	X	X		-	-	-	MAR-NOV	-
	White mullet					COMMON						X	X	X	X	X			-	-	-	JUN-OCT	-
	Gulf killifish					COMMON	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-SEP	MAR-OCT	JAN-DEC	JAN-DEC
	Silver perch					COMMON	X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-SEP	MAY-SEP	OCT-MAR*	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
	Atlantic spadefish					RARE									X	X	X		-	-	-	AUG-OCT	-
	Bay whiff					RARE	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	APR-APR	JAN-DEC
	Atlantic bumper					COMMON									X	X	X		-	-	-	-	AUG-OCT
	Blacktip shark					-			X	X	X	X	X	X	X	X	X		MAY-JUN	MAY-JUN	MAY-NOV	MAR-NOV	MAY-JUN
	Creville jack					COMMON			X	X	X	X	X	X	X	X	X		-	-	-	MAR-NOV	SEP-NOV
	Gulf butterflyfish					RARE	X	X	X	X	X						X		-	-	-	-	-
	Spanish mackerel					COMMON						X	X	X	X	X			-	-	-	JUN-OCT	JUN-OCT
	Spinner shark					-					X	X	X	X	X	X			MAY-JUN	MAY-JUN	MAY-JUL	MAY-OCT	MAY-OCT
0515	Gizzard shad					COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	JAN-DEC
	Atlantic croaker					HIGHLY-ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-JUN	JAN-DEC
	Atlantic sharpnose shark					-				X	X	X	X	X	X	X			JUN-JUN	MAY-JUN	JUN-OCT	-	APR-OCT
	Bay anchovy					HIGHLY-ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	MAR-NOV	MAR-NOV	JAN-DEC	JAN-DEC
	Black drum					COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Bull shark					ABUNDANT	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	X	X			APR-MAY	-	-	APR-OCT	MAR-OCT
	Gulf menhaden					HIGHLY-ABUNDANT	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					-	-	-	APR-AUG	-
	Red drum					COMMON	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	-	-	-	JAN-DEC	JAN-DEC
	Southern flounder					ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Southern kingfish					COMMON					X	X	X	X	X	X	X		-	-	-	MAY-NOV	-
	Spot					HIGHLY-ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAR-SEP	JAN-DEC
	Spotted seatrout					COMMON	X	X	X	X	X	X	X	X	X	X	X	X	APR-OCT	APR-OCT	APR-OCT	AUG-NOV	JAN-DEC
	Striped mullet					COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Tarpon					RARE			X	X	X	X	X	X	X	X	X		-	-	-	MAR-NOV	-
	White mullet					COMMON						X	X	X	X	X			-	-	-	JUN-OCT	-
	Gulf killifish					COMMON	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-SEP	MAR-OCT	JAN-DEC	JAN-DEC
	Silver perch					COMMON	X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-SEP	MAY-SEP	OCT-MAR*	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
	Atlantic spadefish					RARE									X	X	X		-	-	-	AUG-OCT	-
	Bay whiff					RARE	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	APR-APR	JAN-DEC
	Atlantic bumper					COMMON									X	X	X		-	-	-	-	AUG-OCT
	Blacktip shark					-			X	X	X	X	X	X	X	X	X		MAY-JUN	MAY-JUN	MAY-NOV	MAR-NOV	MAY-JUN
	Creville jack					COMMON			X	X	X	X	X	X	X	X	X		-	-	-	MAR-NOV	SEP-NOV
	Gulf butterflyfish					RARE	X	X	X	X	X						X		-	-	-	-	-
	Spanish mackerel					COMMON						X	X	X	X	X			-	-	-	JUN-OCT	JUN-OCT
	Spinner shark					-					X	X	X	X	X	X			MAY-JUN	MAY-JUN	MAY-JUL	MAY-OCT	MAY-OCT
0519	Gizzard shad					COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	JAN-DEC
	Atlantic croaker					HIGHLY-ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-JUN	JAN-DEC

Invertebrate

RARNUM	NAME	S F	T E	CONC	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
0689	White shrimp			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	JUN-OCT	JUN-DEC	JAN-DEC
	Eastern oyster			REEF	X	X	X	X	X	X	X	X	X	X	X	X	MAR-DEC	MAR-DEC	-	-	JAN-DEC
	Brief squid			COMMON			X	X	X	X	X	X	X	X	X	X	MAR-DEC	MAR-DEC	MAR-DEC	MAR-DEC	MAR-DEC
	Blue crab			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-OCT	MAR-OCT	MAR-NOV	JAN-DEC	JAN-DEC
	Lesser blue crab			COMMON						X	X	X	X	X	X	X	-	-	-	JUL-OCT	SEP-DEC
	Brown shrimp			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-APR	APR-JAN	-
	Grass shrimp			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
0690	White shrimp			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	JUN-OCT	JUN-DEC	JAN-DEC
	Eastern oyster			UNCONSOLIDATED	X	X	X	X	X	X	X	X	X	X	X	X	MAR-DEC	MAR-DEC	-	-	JAN-DEC
	Brief squid			COMMON			X	X	X	X	X	X	X	X	X	X	MAR-DEC	MAR-DEC	MAR-DEC	MAR-DEC	MAR-DEC
	Blue crab			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-OCT	MAR-OCT	MAR-NOV	JAN-DEC	JAN-DEC
	Lesser blue crab			COMMON						X	X	X	X	X	X	X	-	-	-	JUL-OCT	SEP-DEC
	Brown shrimp			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-APR	APR-JAN	-
	Grass shrimp			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
0692	White shrimp			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	JUN-OCT	JUN-DEC	JAN-DEC
	Eastern oyster			LOW	X	X	X	X	X	X	X	X	X	X	X	X	MAR-DEC	MAR-DEC	-	-	JAN-DEC
	Brief squid			COMMON			X	X	X	X	X	X	X	X	X	X	MAR-DEC	MAR-DEC	MAR-DEC	MAR-DEC	MAR-DEC
	Blue crab			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-OCT	MAR-OCT	MAR-NOV	JAN-DEC	JAN-DEC
	Lesser blue crab			COMMON						X	X	X	X	X	X	X	-	-	-	JUL-OCT	SEP-DEC
	Brown shrimp			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-APR	APR-JAN	-
	Grass shrimp			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
0698	White shrimp			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	JUN-OCT	JUN-DEC	JAN-DEC
	Brief squid			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-DEC	MAR-DEC	MAR-DEC	JAN-DEC	JAN-DEC
	Blue crab			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-OCT	MAR-OCT	MAR-NOV	JAN-DEC	JAN-DEC
	Gulf stone crab			RARE	X	X	X	X	X	X	X	X	X	X	X	X	NOV-MAR	MAR-NOV	MAR-DEC	JAN-DEC	JAN-DEC
	Lesser blue crab			ABUNDANT				X	X	X	X	X	X	X	X	X	-	-	-	APR-NOV	APR-NOV
	Atlantic seabob shrimp			RARE						X	X	X	X				-	-	-	-	JUN-SEP
	Brown shrimp			ABUNDANT		X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-APR	APR-DEC	-
0699	Grass shrimp			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
	White shrimp			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	JUN-OCT	JUN-DEC	JAN-DEC
	Eastern oyster			UNCONSOLIDATED	X	X	X	X	X	X	X	X	X	X	X	X	MAR-DEC	MAR-DEC	-	-	JAN-DEC
	Brief squid			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-DEC	MAR-DEC	MAR-DEC	JAN-DEC	JAN-DEC
	Blue crab			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-OCT	MAR-OCT	MAR-NOV	JAN-DEC	JAN-DEC
	Gulf stone crab			RARE	X	X	X	X	X	X	X	X	X	X	X	X	NOV-MAR	MAR-NOV	MAR-DEC	JAN-DEC	JAN-DEC
	Lesser blue crab			ABUNDANT				X	X	X	X	X	X	X	X	X	-	-	-	APR-NOV	APR-NOV
0700	Atlantic seabob shrimp			RARE						X	X	X	X			-	-	-	-	JUN-SEP	
	Brown shrimp			ABUNDANT		X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-APR	APR-DEC	-
	Grass shrimp			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
	White shrimp			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	JUN-OCT	JUN-DEC	JAN-DEC
	Eastern oyster			REEF	X	X	X	X	X	X	X	X	X	X	X	X	MAR-DEC	MAR-DEC	-	-	JAN-DEC
	Brief squid			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-DEC	MAR-DEC	MAR-DEC	JAN-DEC	JAN-DEC
	Blue crab			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-OCT	MAR-OCT	MAR-NOV	JAN-DEC	JAN-DEC
0701	Gulf stone crab			RARE	X	X	X	X	X	X	X	X	X	X	X	X	NOV-MAR	MAR-NOV	MAR-DEC	JAN-DEC	JAN-DEC
	Lesser blue crab			ABUNDANT				X	X	X	X	X	X	X	X	X	-	-	-	APR-NOV	APR-NOV
	Atlantic seabob shrimp			RARE						X	X	X	X			-	-	-	-	JUN-SEP	
	Brown shrimp			ABUNDANT		X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-APR	APR-DEC	-
	Grass shrimp			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
	White shrimp			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	JUN-OCT	JUN-DEC	JAN-DEC
	Eastern oyster			LOW	X	X	X	X	X	X	X	X	X	X	X	X	MAR-DEC	MAR-DEC	-	-	JAN-DEC

Marine Mammal

RARNUM	NAME	S F	T E	CONC	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Pupping	Molting
0739	West Indian manatee	S/F	E/E	VERY-RARE						X	X	X					-	-	-	-
0740	Bottlenose dolphin			-	X	X	X	X	X	X	X	X	X	X	X	X	-	JAN-DEC	-	-
	West Indian manatee	S/F	E/E	VERY-RARE						X	X	X					-	-	-	-

Reptile

RARNUM	NAME	S F	T E	CONC	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Hatching	Interesting	Juveniles	Adults
0761	Kemp's ridley sea turtle	S/F	E/E	COMMON				X	X	X	X	X	X	X	X	X	-	-	-	APR-NOV	-

Terrestrial Mammal

RARNUM	NAME	S F	T E	CONC	J	F	M	A	M	J	J	A	S	O	N	D	Nesting
0798	Northern river otter			-	X	X	X	X	X	X	X	X	X	X	X	X	N/A

Human Use Resources

Boat Ramp	RARNUM	NAME	CONTACT	CONTACT INFO
	2067	Houston Yacht Club		
	2072	Pine Gully Park		harrissanjac@pinegullypark
	2082	Bayshore Boat Ramp		galvestonsanjacbraz@bayshore
Facility	RARNUM	NAME	CONTACT	CONTACT INFO
	1197	Houston Yacht Club	Ross Tuckwiller	281-471-1255
	1199	Port of Houston Bayport Cruise Terminal	James Mills	713-670-3620

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: Large wakes from passing ships. Submerged pilings have been reported in the area.

8. Site Number: 64-A	9. Quad Name Bacliff	10. NOAA Chart # 11326,11327	11. GLO Atlas Page # 64	12. County Harris
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13. Site Information: Houston Yacht Club Houston Yacht Club	14. Latitude From: 29 39' 46"N	To:
	15. Longitude From: 94 59' 31"W	To:

16. Closest Boat Ramp Sylvan Beach Boat Ramp	17. Distance From Ramp 2NM	18. Boat Type Multiple Types
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19. Directions From Local Sector Take I-610 south to Hwy 225. Take Hwy 225 to Hwy 146 south. Go South on Hwy 146 to Shoreacres Blvd. Turn right on Shoreacres and proceed to Sunrise St. Turn right and proceed to Baywood St. Turn Left, the Houston Yacht Club will be at the end.	20. Closest Airport LaPorte Municipal Airport (T41)
	21. Closest Helo Spot LaPorte Municipal Airport (T41)

22. Trustee/Contact Numbers	23. Resources at Risk	24. Width of inlet in ft. 75' (additional 3,000 of oil permeable breakwater)
USCG: (281) 464-4800 RRC: (713) 869-5001	Atlas Priority N/A	25. Water depth in ft. 12
USCG DUTY: (800) 424-4800 TPWD: (281) 842-8100	Environmental N/A	26. Current Slow
TGLO: (800) 832-8224 NRDA: (512) 463 -9309	Economic High	27. No. of Personnel 4
TCEQ: (713) 767-3563 USFWS: (281) 286-8282		

25. Booming Strategy Recommendation Boom to prevent oil from entering Houston Yacht Club. Width of entrance is only 75', however, approximately 3,000' of boom will be needed to deploy around wooden breakwater surrounding the marina. Deploy backup boom as necessary.



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: Large wakes from passing ships. Snakes and Mosquitoes abundant. Tripping hazard along shoreline.

8. Site Number: 64-B	9. Quad Name Bacliff	10. NOAA Chart # 11326,11327	11. GLO Atlas Page # 64	12. County Harris
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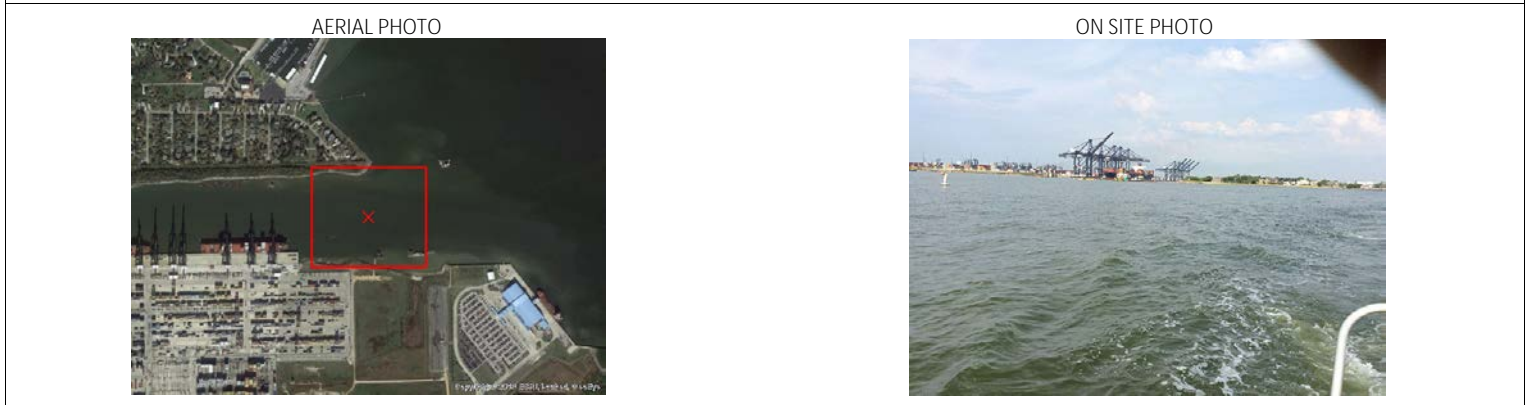
13. Site Information: Bayport Terminal (entrance) Bayport cargo and marine terminal	14. Latitude From: 29 36' 46"N	To:	
	15. Longitude From: 94 59' 31"W	To:	

16. Closest Boat Ramp Sylvan Beach Boat Ramp	17. Distance From Ramp 2 NM	18. Boat Type Multiple Types
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19. Directions From Local Sector Take I-610 south to Hwy 225. Take Hwy 225 to Hwy 146 south. Go South on Hwy 146 to Port Rd.	20. Closest Airport LaPorte Municipal Airport (T41)
	21. Closest Helo Spot LaPorte Municipal Airport (T41)

22. Trustee/Contact Numbers	23. Resources at Risk	24. Width of inlet 1,800' in ft.
USCG: (281) 464-4800 RRC: (713) 869-5001	Atlas Priority N/A	25. Water depth in ft. 40'
USCG DUTY: (800) 424-4800 TPWD: (281) 842-8100	Environmental N/A	26. Current Slow
TGLO: (800) 832-8224 NRDA: (512) 463 -9309	Economic High	27. No. of Personnel 4
TCEQ: (713) 767-3563 USFWS: (281) 286-8282		

25. Booming Strategy Recommendation Boom to prevent oil from entering or exiting Bayport Harbor. Deploy backup boom.
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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: Large wakes from passing ships. Snakes and Mosquitoes abundant. Tripping hazard along shoreline.

8. Site Number: 64-C	9. Quad Name Bacliff	10. NOAA Chart # 11326,11327	11. GLO Atlas Page # 64	12. County Harris
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13. Site Information: El Hardin Marsh Fringe marsh along shoreline South of El Hardin Rd.	14. Latitude From: 29 35' 43"N	To:
	15. Longitude From: 94 59' 17"W	To:

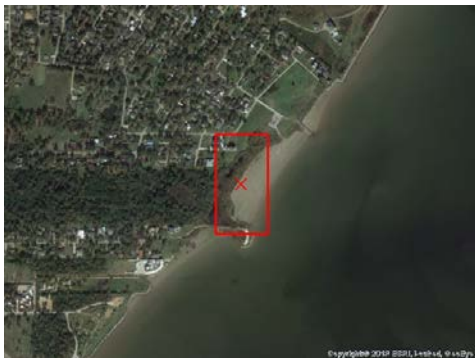
16. Closest Boat Ramp Hwy 146 bridge at Kemah	17. Distance From Ramp 3 NM	18. Boat Type Flat Bottom Boat
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19. Directions From Local Sector Take I-610 south to Hwy 225. Take Hwy 225 to Hwy 146 south to Port Rd. Turn Left. Follow to end of El Hardin Dr.	20. Closest Airport LaPorte Municipal Airport (T41)
	21. Closest Helo Spot LaPorte Municipal Airport (T41)

22. Trustee/Contact Numbers	23. Resources at Risk	24. Width of inlet in ft. N/A (Approximately 1200' of shoreline)
USCG: (281) 464-4800 RRC: (713) 869-5001	Atlas Priority N/A	25. Water depth in ft. 2'
USCG DUTY: (800) 424-4800 TPWD: (281) 842-8100	Environmental N/A	26. Current Slow
TGLO: (800) 832-8224 NRDA: (512) 463 -9309	Economic N/A	27. No. of Personnel 4
TCEQ: (713) 767-3563 USFWS: (281) 286-8282		

25. Booming Strategy Recommendation Boom to protect marsh along shoreline South of El Hardin Rd. Deploy backup boom as necessary.

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."

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: Numerous submerged pilings have been noted along shoreline. Use caution navigating area.

8. Site Number: 64-D	9. Quad Name Bacliff	10. NOAA Chart # 11326,11327	11. GLO Atlas Page # 64	12. County Harris
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13. Site Information: Pine Gully Pine Gully: Sensitive marsh areas fringe the entrance to and length of Pine Gully.	14. Latitude From: 29 35' 20"N	To:	
	15. Longitude From: 94 59' 29"W	To:	

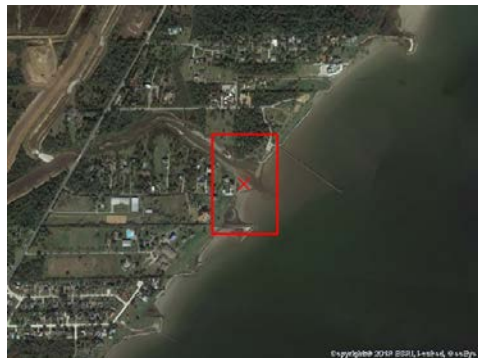
16. Closest Boat Ramp Hwy 146 bridge at Kemah	17. Distance From Ramp 1 NM	18. Boat Type Multiple Types
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19. Directions From Local Sector Take I-610 south to Hwy 225. Take Hwy 225 to Hwy 146 south to E. Meyer Rd. Left on Toddville Rd to Pine Gully Rd.	20. Closest Airport LaPorte Municipal Airport (T41)
	21. Closest Helo Spot LaPorte Municipal Airport (T41)

22. Trustee/Contact Numbers	23. Resources at Risk	24. Width of inlet 800' in ft.
USCG: (281) 464-4800 RRC: (713) 869-5001	Atlas Priority High	25. Water depth in ft. 2'
USCG DUTY: (800) 424-4800 TPWD: (281) 842-8100	Environmental High	26. Current Slow
TGLO: (800) 832-8224 NRDA: (512) 463 -9309		27. No. of Personnel 4
TCEQ: (713) 767-3563 USFWS: (281) 286-8282	Economic Low	

25. Booming Strategy **Recommendation**
Boom to prevent migration of oil into Pine Gully and the surrounding marsh. Deploy backup boom as necessary.

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."

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: Numerous submerged pilings have been noted along shoreline. Use caution navigating area.

8. Site Number: 64-E	9. Quad Name Bacliff	10. NOAA Chart # 11326,11327	11. GLO Atlas Page # 64	12. County Galveston
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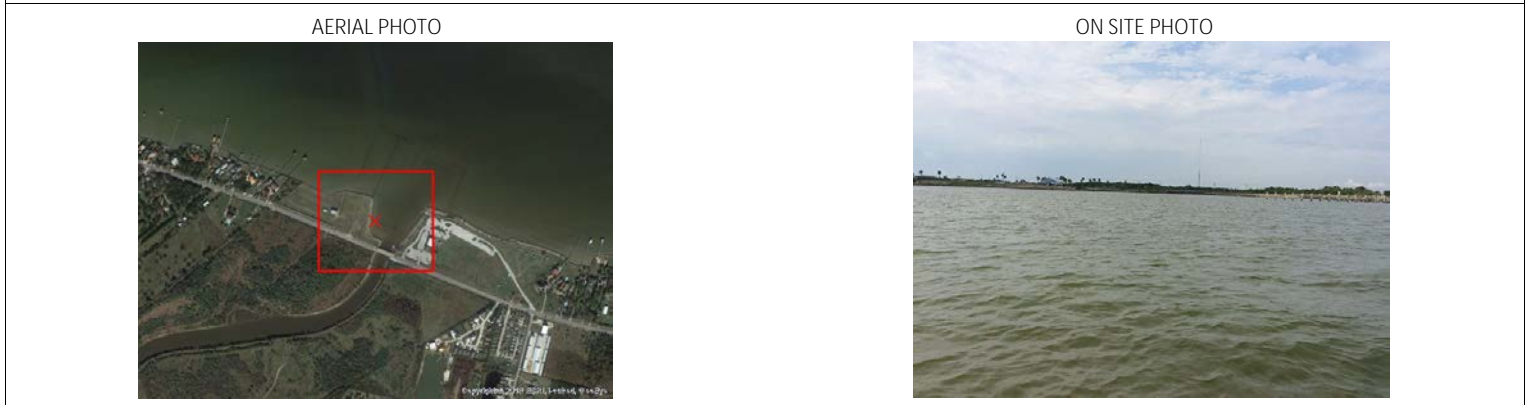
13. Site Information: 16B Clifton Channel (old HL&P cooling water canal), adjacent to Bayshore Park.	14. Latitude From: 29 30' 24"N	To:	
	15. Longitude From: 94 57' 28"W	To:	

16. Closest Boat Ramp Bayshore Park	17. Distance From Ramp adjacent	18. Boat Type Flat Bottom Boat
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19. Directions From Local Sector 610 to I-45 South to FM 646. East on 646, cross Hwy 146, continue on Grand Ave to Bayshore Park on the Left	20. Closest Airport Ellington Field (EFD)
	21. Closest Helo Spot Ellington Field (EFD)

22. Trustee/Contact Numbers	23. Resources at Risk	24. Width of inlet 600' in ft.
USCG: (281) 464-4800 RRC: (713) 869-5001	Atlas Priority Low	25. Water depth in ft. 3'
USCG DUTY: (800) 424-4800 TPWD: (281) 842-8100	Environmental Low	26. Current Slow
TGLO: (800) 832-8224 NRDA: (512) 463 -9309		27. No. of Personnel 2
TCEQ: (713) 767-3563 USFWS: (281) 286-8282	Economic Low	

25. Booming Strategy **Recommendation**
Boom to prevent migration of oil into or out of Clifton Channel. Deploy backup boom as necessary.



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: Numerous submerged pilings have been noted along shoreline. Use caution navigating area.

8. Site Number: 64-F	9. Quad Name Bacliff	10. NOAA Chart # 11326,11327	11. GLO Atlas Page # 64	12. County Galveston
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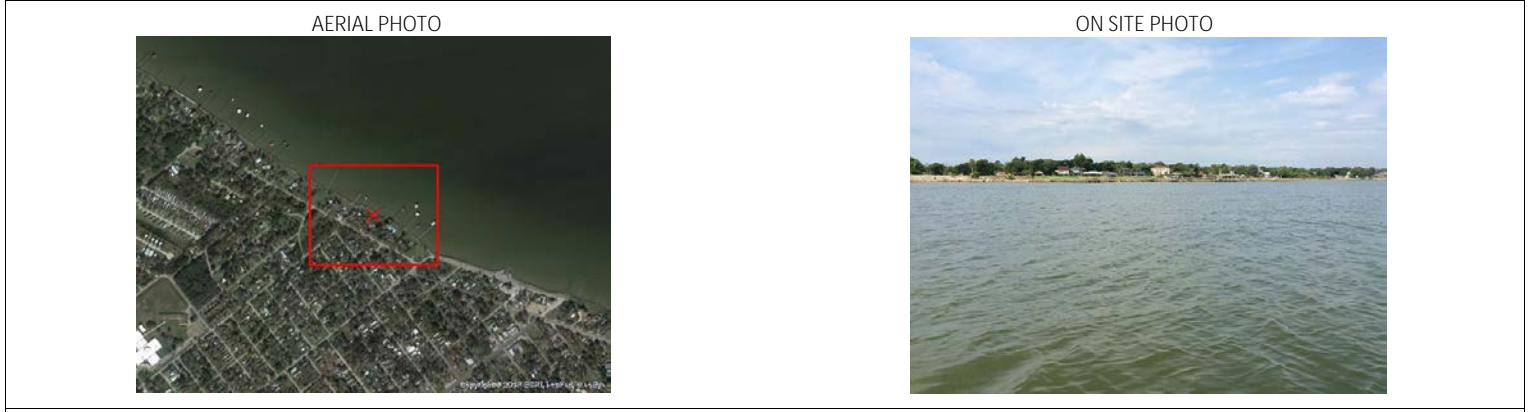
13. Site Information: Clifton Beach Shoreline of Clifton Beach between Oklahoma Street and Texas Ave. Documented Turtle nesting area. This site should be investigated before deploying resources.		14. Latitude From: 29 30' 50"N	To:
		15. Longitude From: 94 58' 53"W	To:

16. Closest Boat Ramp Bayshore Park	17. Distance From Ramp 2NM	18. Boat Type Multiple Types
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19. Directions From Local Sector 610 to I-45 South to FM 646. East on 646, cross Hwy 146, continue on Grand Ave. to Bayshore Dr. Turn left. Continue to Oklahoma St		20. Closest Airport Ellington Field (EFD)	
		21. Closest Helo Spot Ellington Field (EFD)	

22. Trustee/Contact Numbers	23. Resources at Risk	24. Width of inlet 300' in ft.
USCG: (281) 464-4800 RRC: (713) 869-5001	Atlas Priority N/A	25. Water depth in ft. 1-2'
USCG DUTY: (800) 424-4800 TPWD: (281) 842-8100	Environmental High	26. Current Slow
TGLO: (800) 832-8224 NRDA: (512) 463 -9309	Economic N/A	27. No. of Personnel 2
TCEQ: (713) 767-3563 USFWS: (281) 286-8282		

25. Booming Strategy Recommendation Boom to prevent impact of oil along shoreline. Deploy backup boom as necessary
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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
-----------	-------------------

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: Large wakes from passing ships. Use Caution.

8. Site Number: 64-G	9. Quad Name Bacliff	10. NOAA Chart # 11326,11327	11. GLO Atlas Page # 64	12. County Harris
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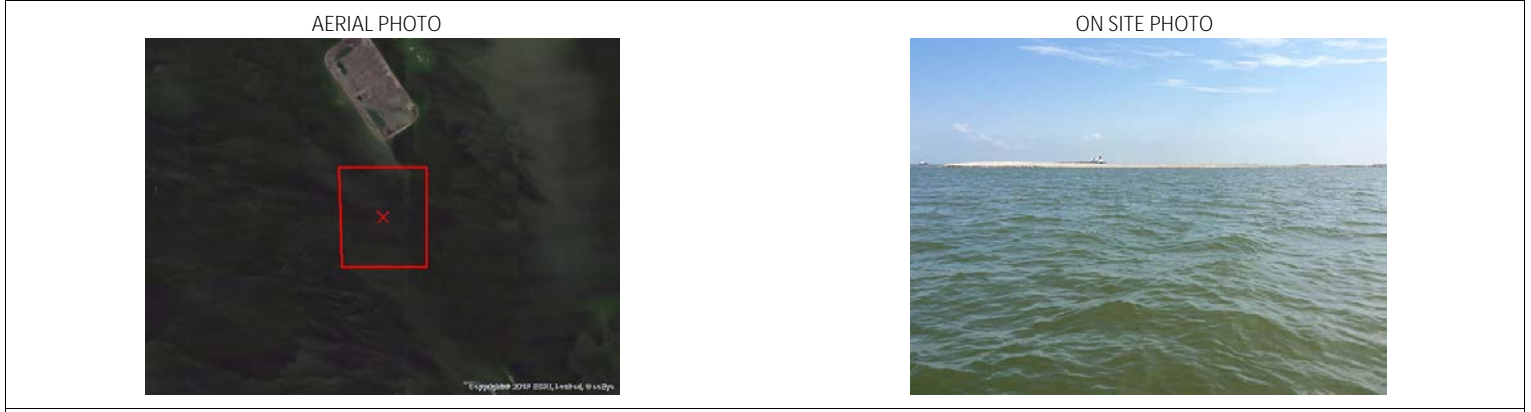
13. Site Information: Redfish Island Redfish Island	14. Latitude From: 29 30' 52"N	To:	
	15. Longitude From: 94 53' 13"W	To:	

16. Closest Boat Ramp Hwy 146 bridge at Kemah	17. Distance From Ramp 5.5NM	18. Boat Type Semi V Hull Boat
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19. Directions From Local Sector Redfish Island is only accessible by boat.	20. Closest Airport Ellington Field (EFD)
	21. Closest Helo Spot Ellington Field (EFD)

22. Trustee/Contact Numbers	23. Resources at Risk	24. Width of inlet N/A in ft.
USCG: (281) 464-4800 RRC: (713) 869-5001	Atlas Priority High	25. Water depth in ft. 5'
USCG DUTY: (800) 424-4800 TPWD: (281) 842-8100	Environmental High	26. Current Slow
TGLO: (800) 832-8224 NRDA: (512) 463 -9309	Economic N/A	27. No. of Personnel 2
TCEQ: (713) 767-3563 USFWS: (281) 286-8282		

25. Booming Strategy Recommendation Boom to prevent oil from impacting bird rookery. Deflecting oil away from the Island may be the best strategy.
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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."