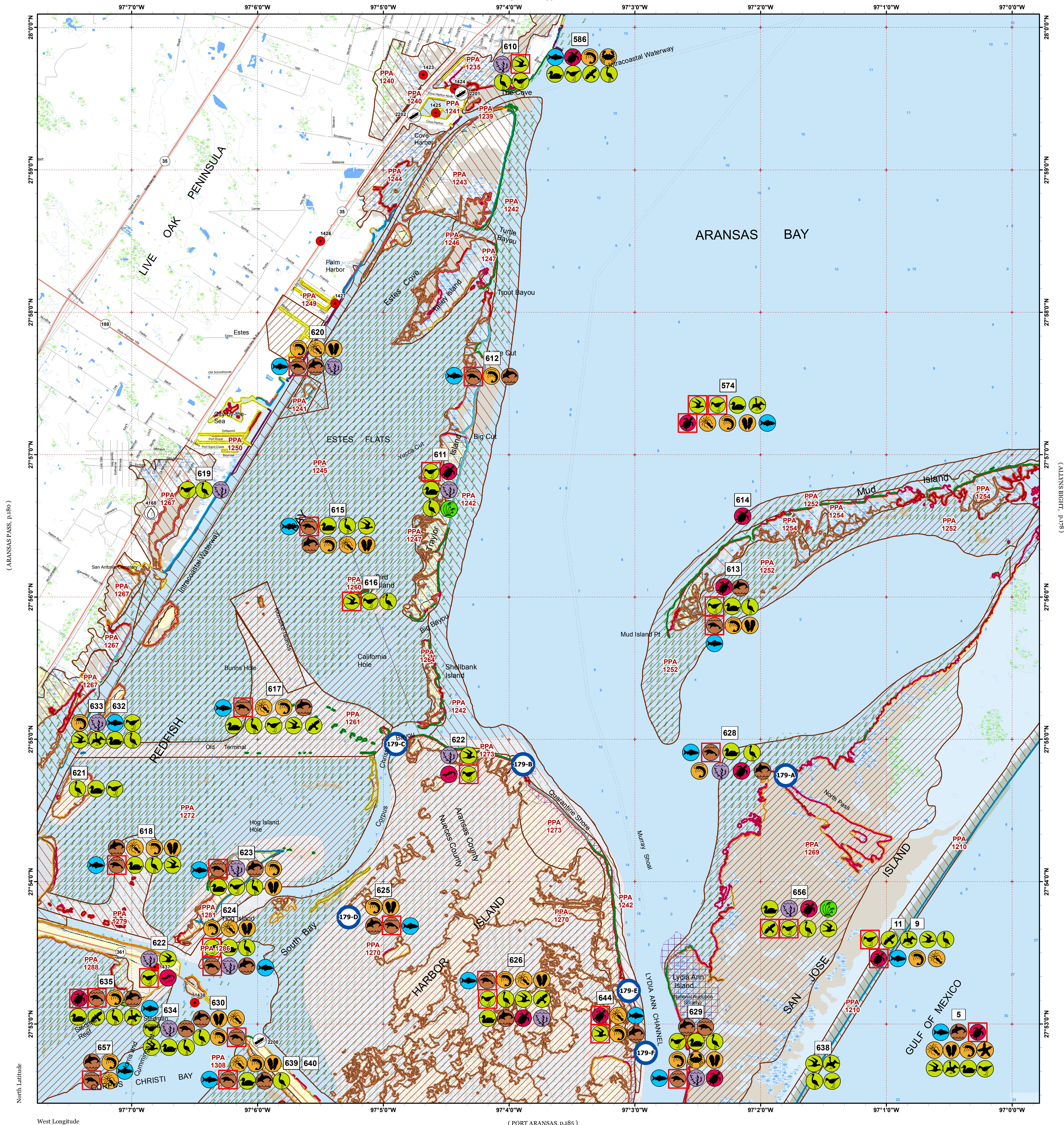


ESTES

(ROCKPORT, p.172)

Click Here or Scroll Down for Associated Map Data

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



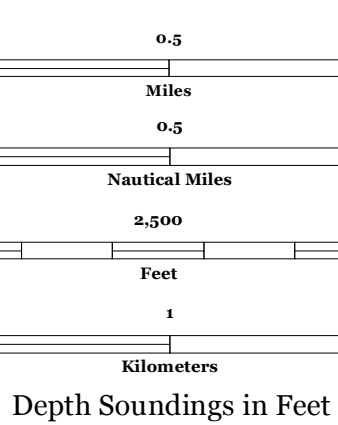
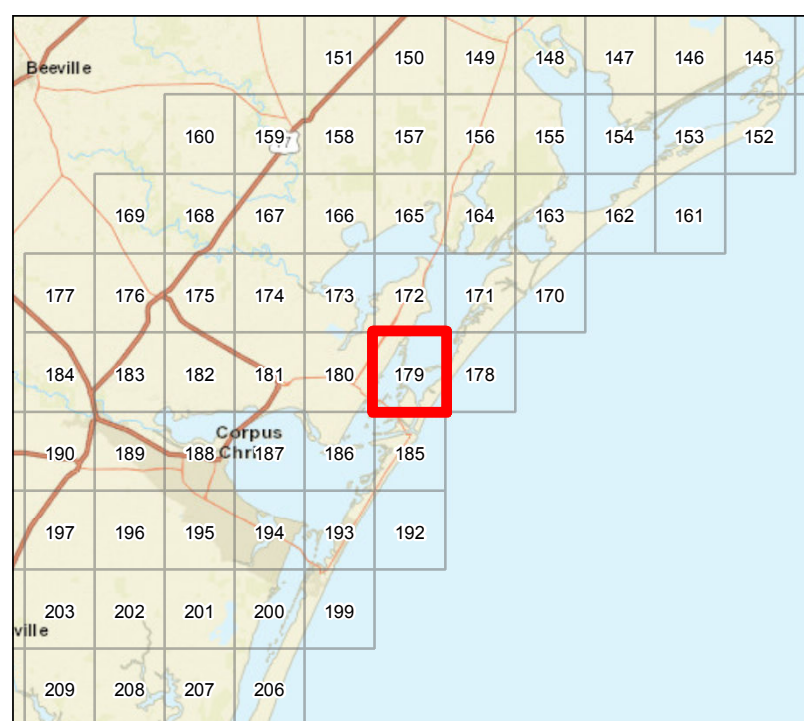
(PORT ARANSAS, p.185)



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
- Water Intake
- Geographic Response Plan

Map Base Layers

- State Highway
- Railroads
- Road
- GIWW
- Audubon Sanctuaries
- Oysters
- Estuarine Seagrass or Algae Bed
- Bays
- Salt and Brackish Marshes
- Intertidal Scrub/Shrub
- Beach or Tidal Flat
- Marine Bottom
- Marine Shoreline
- Freshwater Marshes
- Willow Thickets
- Lake / Pond
- County Boundary
- City Limits

Priority Protection Areas

- HIGH
- MEDIUM
- LOW

Species Icons Within Map Quad

- Reptile
- Turtle
- Turtle T/E
- Benthic Marine
- Bivalve
- Cephalopod
- Crab
- Echinoderms
- Shrimp
- Fish
- Fish T/E
- Dolphin
- Mammal
- Mammal T/E
- Marsh
- Plant
- Diving Bird
- Gull/Tern
- Gull/Tern T/E
- 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: ESTES

Map # :179

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
	HIGH	Causeway Island Platforms, colony code 614-121	High	Tri-colored herons, Snowy egrets, Roseate spoonbills, Reddish egrets				
PPA1210	MEDIUM	Gulf beach	HIGH	Piping plover feeding on exposed beaches, brown pelican feeding in surf zone, peregrine falcon, snowy plover, least tern, shorebirds, wading birds.				
PPA1235	HIGH	Flats north and south of Cove Harbor	MEDIUM	Shorebirds, wading birds	Nursery	HIGH	HIGH	High marsh (Batis, Scirpus), some Spartina, mangrove
PPA1239	MEDIUM	The Cove	MEDIUM		Nursery	HIGH	MEDIUM	Seagrass (Halodule and other species)
PPA1240	MEDIUM	Flats west of Cove Harbor	MEDIUM	Shorebirds, wading birds	Nursery	HIGH	MEDIUM	Fresh and salt marsh with sand flats, some intermediate marsh
PPA1241	LOW	Intracoastal Waterway			Seasonal migration route for fish, invertebrates			
PPA1242	MEDIUM	West shore of Aransas Bay and Lydia Ann Channel			Nursery	HIGH	HIGH	Redfish Bay State Scientific Area,Seagrass
PPA1243	MEDIUM	Flats north of Turtle Bayou	MEDIUM	Shorebirds, wading birds			MEDIUM	Redfish Bay State Scientific Area,High marsh (Batis), some Spartina, mangrove
PPA1244	HIGH	Flats north and south of Cove Harbor	MEDIUM	Shorebirds, wading birds	Nursery	HIGH	HIGH	High marsh (Batis, Scirpus), some Spartina, mangrove
PPA1245	HIGH	Redfish Bay	HIGH	Waterfowl (redhead, pintail, wigeon), herons	Important recreational fishing and nursery area; excellent habitat for spotted seatrout, red drum	HIGH	HIGH	Redfish Bay State Scientific Area,Extensive high-quality seagrass habitat (Halodule, Thalassia, other species)
PPA1246	HIGH	Turtle Bayou and north Talley Island	HIGH	Piping plovers	Nursery			
PPA1247	MEDIUM	Talley Island and Traylor Island	MEDIUM	Piping plovers on south Traylor Island			MEDIUM	Redfish Bay State Scientific Area,Shell ridge with brackish high and low marsh, freshwater ponds
PPA1249	LOW	Canals of Palm Harbor and City by the Sea				HIGH		
PPA1250	LOW	Canals of Palm Harbor and City by the Sea				HIGH		
PPA1252	HIGH	Mud Island shorelines and seagrass flats	MEDIUM	Waterfowl (redhead, pintail, wigeon)	Fish and shrimp nursery areas, good recreational fishing; scattered oysters	HIGH	HIGH	Seagrass (Halodule and other species)
PPA1254	LOW	Mud Island	MEDIUM				MEDIUM	
PPA1260	MEDIUM	Big Bayou spoil island	HIGH	Colonial waterbird rookery (614-122)				
PPA1261	HIGH	Platforms in Redfish Bay	HIGH	Rookery (614-121); gulls, wading birds	Important recreational fishing and nursery area; excellent habitat for spotted seatrout, red drum	HIGH		Redfish Bay State Scientific Area,Seagrasses
PPA1264	MEDIUM	Shellbank Island	MEDIUM				MEDIUM	Shell ridge with brackish high and low marsh, freshwater ponds
PPA1267	MEDIUM	Flats west of GIWW,northeast of Conn Brown Harbor			Nursery	HIGH	HIGH	Seagrass
PPA1269	HIGH	West shore of San Jose Island	MEDIUM	High numbers of piping plover; also snowy plover, other shorebirds			HIGH	
PPA1270	HIGH	Harbor Island	HIGH	Waterfowl (pintail, shoveler, mottled ducks), wading birds, skimmers, shorebirds, piping plovers, rails, peregrine falcons; inactive rookery (614 -124)	Important nursery and fishing area for red drum, shrimp (brown, pink, white), crabs	HIGH	HIGH	Redfish Bay State Scientific Area,High quality seagrass flats (Halodule and other species), Spartina alterniflora and black mangrove marshes
PPA1272	HIGH	Redfish Bay	HIGH	Waterfowl (redhead, pintail, wigeon), herons	Important recreational fishing and nursery area; excellent habitat for spotted seatrout, red drum	HIGH	HIGH	Redfish Bay State Scientific Area,Extensive high-quality seagrass habitat (Halodule, Thalassia, other species)
PPA1273	HIGH	Quarantine Shore of Harbor Island	HIGH	Shorebirds, piping plovers, peregrine falcons	Nursery	HIGH	MEDIUM	Redfish Bay State Scientific Area,Shell ridge with brackish high and low marsh, freshwater ponds
PPA1279	MEDIUM	Aransas Channel spoil	MEDIUM					Redfish Bay State Scientific Area,Leveed high marsh
PPA1281	MEDIUM	Hog Island	MEDIUM	Shorebirds, wading birds	Nursery	HIGH	LOW	Redfish Bay State Scientific Area
PPA1286	HIGH	Hog Island	HIGH	Piping plover	Nursery	HIGH	LOW	Redfish Bay State Scientific Area

PPA ID	PRIORITY	POLY DESC	BIRDS RANK	BIRDS DESC	FISH DESC	FISH RANK	WETLANDS R	WETLANDS D
PPA1288	HIGH	Redfish Bay	HIGH	Waterfowl (pintails, redheads)	Important sport fishing and nursery area	HIGH	HIGH	Redfish Bay State Scientific Area,Extensive high-quality seagrass habitat (Halodule, Thalassia, other species)
PPA1308	HIGH	East Shore, West Harbor Island	HIGH	Waterfowl (redhead, pintail, mergansers), ospreys, common loon	Important nursery for shrimp and finfish	MEDIUM	HIGH	Redfish Bay State Scientific Area,Seagrass (Halodule with seaward fringe of Thalassia)

Biological Resources

Bird

RARNUM	NAME	S	F	CONC	J	F	M	A	M	J	J	A	S	O	N	D	NESTING	LAYING	HATCHING	FLEDGING
11	Brown pelican				X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	APR-AUG	APR-AUG	APR-AUG
	Terns				X	X	X	X	X	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				
	Ruddy turnstone				X	X	X	X	X				X	X	X	X				
	Sanderling				X	X	X	X	X				X	X	X	X				
	Red knot		T					X	X				X	X						
	Piping plover		T		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
	Willet				X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	APR-AUG	APR-AUG	MAY-SEP
5	Franklin's gull							X	X	X			X	X	X					
	Northern gannet				X	X	X	X						X	X	X				
	Black tern						X	X	X	X	X	X	X	X	X					JUL-JUN
	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				
574	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				
	Black tern						X	X	X		X	X	X	X	X					JUL-JUN
	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				X	X	X	X	X	X	X	X			APR-SEP	APR-SEP	MAY-SEP	MAY-SEP
	Shorebirds				X	X	X	X	X	X	X	X	X	X	X	X				
	Red knot		T					X	X				X	X						
	Snowy plover				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				
	Common loon				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				
	Common goldeneye				X	X	X	X							X	X				
	Red-breasted merganser				X	X	X	X							X	X				
586	Peregrine falcon			LOW	X	X	X	X					X	X	X	X				
	Shorebirds				X	X	X	X	X	X	X	X	X	X	X	X				
	Clapper rail				X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	MAR-AUG	MAR-AUG	APR-SEP
	Northern pintail	C			X	X	X	X					X	X	X	X				
	American wigeon				X	X	X	X						X	X	X				
	Redhead				X	X	X	X	X					X	X	X				
610	Least tern		E				X	X	X	X	X	X	X	X			APR-SEP	APR-SEP	MAY-SEP	MAY-SEP
	Shorebirds				X	X	X	X	X	X	X	X	X	X	X	X				
	Wilson's plover	C					X	X	X	X	X	X	X	X			MAR-AUG			
	Wading birds				X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	MAR-JUL	MAR-JUL	MAR-AUG
	Black-necked stilt				X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	APR-SEP	APR-SEP	APR-SEP
611	Shorebirds				X	X	X	X	X	X	X	X	X	X	X	X				
	Red knot		T					X	X				X	X						
	Piping plover		T	LOW	X	X	X	X	X		X	X	X	X	X	X				
	Rails				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
	American wigeon			HIGH	X	X	X	X						X	X	X				
	Green-winged teal				X	X	X	X					X	X	X	X				
	Gadwall			HIGH	X	X	X	X					X	X	X	X				
613	Shorebirds				X	X	X	X	X	X	X	X	X	X	X	X				
	Red knot		T					X	X				X	X						
	Piping plover		T		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				
615	Laughing gull				X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	FEB-AUG	FEB-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
	Reddish egret				X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	APR-AUG	APR-AUG	APR-SEP
	Northern pintail	C			X	X	X	X					X	X	X	X				
	American wigeon				X	X	X	X						X	X	X				
	Redhead				X	X	X	X	X					X	X	X				
616	Laughing gull			8	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	2			X	X	X	X	X	X	X	X			APR-SEP	APR-SEP	MAY-SEP	MAY-SEP
	Forster's tern			4	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	MAR-AUG	MAR-AUG	MAR-SEP
	Gull-billed tern			28	X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	FEB-AUG	FEB-AUG	MAR-SEP
	American oystercatcher	C		2	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
	Great blue heron			8	X	X	X	X	X	X	X	X	X	X	X	X	DEC-MAR	JAN-MAR	FEB-APR	MAR-MAY
	Reddish egret			2	X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	APR-AUG	APR-AUG	APR-SEP
	Tricolored heron	C		10	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	APR-AUG	APR-AUG	MAY-SEP
617	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				
	Laughing gull			22	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
	Caspian tern				X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	MAR-JUN	MAR-JUN	MAR-JUL
	Forster's tern			50	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
	Osprey				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				

Bird

RARNUM	NAME	S	F	CONC	J	F	M	A	M	J	J	A	S	O	N	D	NESTING	LAYING	HATCHING	FLEDGING
	Western sandpiper	C			X	X	X	X			X	X	X	X	X	X				
	Wilson's plover	C					X	X	X	X	X	X	X	X			MAR-AUG			
	Wading birds				X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	MAR-JUL	MAR-JUL	MAR-AUG
	Roseate spoonbill			28	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	APR-AUG	APR-AUG	MAY-SEP
	Great blue heron			44	X	X	X	X	X	X	X	X	X	X	X	X	DEC-MAR	JAN-MAR	FEB-APR	MAR-MAY
	Cattle egret			2	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	APR-JUL	APR-JUL	APR-AUG
	Yellow rail				X	X	X						X	X	X	X				
	Great egret			94	X	X	X	X	X	X	X	X	X	X	X	X	DEC-MAR	JAN-MAR	FEB-APR	MAR-MAY
	Little blue heron			4	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	APR-JUL	APR-JUL	MAY-AUG
	Reddish egret			14	X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	APR-AUG	APR-AUG	APR-SEP
	Snowy egret	C		90	X	X	X	X	X	X	X	X	X	X	X	X				
	Tricolored heron	C		202	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	APR-AUG	APR-AUG	MAY-SEP
	Clapper rail				X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	MAR-AUG	MAR-AUG	APR-SEP
	Mottled duck	C			X	X	X	X	X	X	X	X	X	X	X	X	JAN-AUG	JAN-AUG	JAN-AUG	FEB-SEP
	American white pelican	C			X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	FEB-AUG	FEB-AUG	MAR-SEP
618	Laughing gull				X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	FEB-AUG	FEB-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
	Reddish egret				X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	APR-AUG	APR-AUG	APR-SEP
619	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				
	American wigeon				X	X	X	X						X	X	X				
	Redhead				X	X	X	X	X					X	X	X				
	Shorebirds				X	X	X	X	X	X	X	X	X	X	X	X				
621	Wading birds				X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	MAR-JUL	MAR-JUL	MAR-AUG
	Great egret			2	X	X	X	X	X	X	X	X	X	X	X	X	DEC-MAR	JAN-MAR	FEB-APR	MAR-MAY
	Long-billed curlew	C			X	X	X	X	X	X	X	X	X	X	X	X				
622	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				
	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				
	Terns				X	X	X	X	X	X	X	X	X	X	X	X				
623	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				
	Red knot		T					X	X			X	X							
	Piping plover		T	LOW	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
624	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				
	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	X				
	Shorebirds				X	X	X	X	X	X	X	X	X	X	X	X				
626	Ruddy turnstone				X	X	X	X	X				X	X	X	X				
	Sanderling				X	X	X	X	X			X	X	X	X	X				
	Red knot		T					X	X			X	X							
	Piping plover		T		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
628	Great blue heron			6	X	X	X	X	X	X	X	X	X	X	X	X	DEC-MAR	JAN-MAR	FEB-APR	MAR-MAY
	Reddish egret				X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	APR-AUG	APR-AUG	APR-SEP
	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				
	Redhead			HIGH	X	X	X	X	X					X	X	X				
629	Black skimmer	C			X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	APR-SEP	APR-SEP	APR-SEP
	Peregrine falcon				X	X	X	X	X				X	X	X	X				
	Shorebirds				X	X	X	X	X	X	X	X	X	X	X	X				
	Red knot		T					X	X			X	X							
	Piping plover		T		X	X	X	X	X		X	X	X	X	X	X				
630	Rails				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
	American bittern				X	X	X	X				X	X	X	X	X				
	Clapper rail				X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	MAR-AUG	MAR-AUG	APR-SEP
	Waterfowl				X	X	X	X				X	X	X	X	X				
632	Northern pintail	C			X	X	X	X				X	X	X	X	X				
	American wigeon				X	X	X	X						X	X	X				
	Northern shoveler				X	X	X	X						X	X	X				
	Green-winged teal				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
633	Gadwall				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				
	Shorebirds				X	X	X	X	X	X	X	X	X	X	X	X				
	Rails				X	X	X	X	X	X	X	X	X	X	X	X				
634	Wading Birds				X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	MAR-JUL	MAR-JUL	MAR-AUG
	Mottled duck	C			X	X	X	X	X	X	X	X	X	X	X	X	JAN-AUG	JAN-AUG	JAN-AUG	FEB-SEP
	Bufflehead				X	X	X	X							X	X				
	Common goldeneye				X	X	X	X							X	X				
	Shorebirds				X	X	X	X	X	X	X	X	X	X	X	X				
635	Rails				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
	Mottled duck	C			X	X	X	X	X	X	X	X	X	X	X	X	JAN-AUG	JAN-AUG	JAN-AUG	FEB-SEP
	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				
636	Common loon				X	X	X	X						X	X	X				
	Waterfowl				X	X	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
	Black skimmer	C			X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	APR-SEP	APR-SEP	APR-SEP
	Wading Birds				X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	MAR-JUL	MAR-JUL	MAR-AUG

Bird

RARNUM	NAME	S	F	CONC	J	F	M	A	M	J	J	A	S	O	N	D	NESTING	LAYING	HATCHING	FLEDGING
635	Brown pelican			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	APR-AUG	APR-AUG	APR-AUG
	Osprey				X	X	X	X	X	X	X	X	X	X	X	X				
	Reddish egret				X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	APR-AUG	APR-AUG	APR-SEP
	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				
	American wigeon				X	X	X	X						X	X	X				
	Gadwall				X	X	X	X					X	X	X	X				
	Lesser scaup				X	X	X	X					X	X	X	X				
	Redhead				X	X	X	X	X					X	X	X				
	Red-breasted merganser				X	X	X	X							X	X				
639	Wading birds				X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	MAR-JUL	MAR-JUL	MAR-AUG
	Redhead				X	X	X	X	X					X	X	X				
644	Least tern		E				X	X	X	X	X	X	X	X			APR-SEP	APR-SEP	MAY-SEP	MAY-SEP
656	Laughing gull				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
	Royal tern				X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	FEB-AUG	FEB-AUG	MAR-SEP
	Aplomado falcon		E	LOW	X	X	X	X	X	X	X	X	X	X	X	X				
	Peregrine falcon				X	X	X	X	X					X	X	X				
	Shorebirds			HIGH	X	X	X	X	X	X	X	X	X	X	X	X				
	Red knot		T					X	X				X	X						
	Snowy plover				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				
	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				
	American wigeon				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
	Brown pelican				X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	APR-AUG	APR-AUG	APR-AUG
	Terns				X	X	X	X	X	X	X	X	X	X	X	X				
	Black skimmer	C			X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	APR-SEP	APR-SEP	APR-SEP
	Peregrine falcon				X	X	X	X	X				X	X	X	X				
	Red knot		T					X	X				X	X						
	Piping plover		T		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
5	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		
	Striped anchovy				X	X	X	X	X	X	X	X	X	X	X	X		MAR-MAY
	Sheepshead				X	X	X	X	X	X	X	X	X	X	X	X	JAN-MAY	FEB-APR
	Silver seatrout				X	X	X	X	X	X	X	X	X	X	X	X		MAY-OCT
	Ladyfish							X	X	X	X	X	X	X				SEP-OCT
	Tarpon				X	X	X	X	X	X	X	X	X	X	X	X		APR-JUL
	Southern kingfish (whiting)				X	X	X	X	X	X	X	X	X	X	X	X		JUL-NOV
	Gulf kingfish				X	X	X	X	X	X	X	X	X	X	X	X		
	Star drum				X	X	X	X	X	X	X	X	X	X	X	X		
	Blennies				X	X	X	X	X	X	X	X	X	X	X	X		
	Snook				X	X	X	X	X	X	X	X	X	X	X	X		JUN-JUL
	Pigfish				X				X	X	X	X	X	X	X	X		MAR-APR
	Rays				X	X	X	X	X	X	X	X	X	X	X	X		
	Atlantic threadfin				X	X	X	X	X	X	X	X	X	X	X	X		DEC-APR
	Soles				X	X	X	X	X	X	X	X	X	X	X	X		
	Inshore lizardfish				X	X	X	X	X	X	X	X	X	X	X	X	ALLYEAR	ALLYEAR
	Florida pompano				X	X	X	X	X	X	X	X	X	X	X	X		FEB-OCT
	Crevalle jack				X	X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	MAR-SEP
	Mackerels						X	X	X	X	X	X	X	X				
	Spanish mackerel				X	X	X	X	X	X	X	X	X	X	X	X		
	Sergeant major				X	X	X	X	X	X	X	X	X	X	X	X		ALLYEAR
	Gray triggerfish				X	X	X	X	X	X	X	X	X	X	X	X		OCT-DEC
	Blue runner				X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	JAN-AUG
	Atlantic spadefish				X	X	X	X	X	X	X	X	X	X	X	X		MAY-SEP
	Atlantic bumper				X	X	X	X	X	X	X	X	X	X	X	X		
	Little tunny				X	X	X	X	X	X	X	X	X	X	X	X		APR-NOV
	Grunts				X	X	X	X	X	X	X	X	X	X	X	X		
	Scaled sardine				X	X	X	X	X	X	X	X	X	X	X	X		FEB-JUL
	Gray snapper				X	X	X	X	X	X	X	X	X	X	X	X	APR-NOV	JUN-SEP
	Snappers				X	X	X	X	X	X	X	X	X	X	X	X		
	Goatfish				X	X	X	X	X	X	X	X	X	X	X	X		
	Leatherjacket				X	X	X	X	X	X	X	X	X	X	X	X		
	Harvestfish				X	X	X	X	X	X	X	X	X	X	X	X		
	Gulf butterfish				X	X	X	X	X	X	X	X	X	X	X	X	ALLYEAR	
	Bluefish				X	X	X	X	X	X	X	X	X	X	X	X		SEP-NOV
	Atlantic moonfish				X	X	X	X	X	X	X	X	X	X	X	X		
	Groupers				X	X	X	X	X	X	X	X	X	X	X	X		
	Longspine porgy				X	X	X	X	X	X	X	X	X	X	X	X		
	Atlantic needlefish				X	X	X	X	X	X	X	X	X	X	X	X		JUN-AUG
	Permit				X	X	X	X	X	X	X	X	X	X	X	X		
	Atlantic cutlassfish				X	X	X	X	X	X	X	X	X	X	X	X		
	Southern hake				X	X	X	X	X	X	X	X	X	X	X	X		
574	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
	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
	Silver perch				X	X	X	X	X	X	X	X	X	X	X	X	ALLYEAR	APR-SEP
	Atlantic needlefish				X	X	X	X	X	X	X	X	X	X	X	X		JUN-AUG
	Atlantic cutlassfish				X	X	X	X	X	X	X	X	X	X	X	X		
586	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
	Pipefish				X	X	X	X	X	X	X	X	X	X	X	X		
612	Native fish community				X	X	X	X	X	X	X	X	X	X	X	X		
613	Native fish community				X	X	X	X	X	X	X	X	X	X	X	X		
615	Native fish community			HIGH	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
	Code goby				X	X	X	X	X	X	X	X	X	X	X	X		MAY-JUL
	Pipefish				X	X	X	X	X	X	X	X	X	X	X	X		
	Yellowfin mojarra				X	X	X	X	X	X	X	X	X	X	X	X	ALLYEAR	APR-DEC
617	Native fish community				X	X	X	X	X	X	X	X	X	X	X	X		
	Code goby				X	X	X	X	X	X	X	X	X	X	X	X		MAY-JUL
	Pipefish				X	X	X	X	X	X	X	X	X	X	X	X		
	Yellowfin mojarra				X	X	X	X	X	X	X	X	X	X	X	X	ALLYEAR	APR-DEC
618	Native fish community			HIGH	X	X	X	X	X	X	X	X	X	X	X	X		
	Code goby				X	X	X	X	X	X	X	X	X	X	X	X		MAY-JUL
	Pipefish				X	X	X	X	X	X	X	X	X	X	X	X		
	Silver jenny				X	X	X	X	X	X	X	X	X	X	X	X		APR-AUG
620	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
	Gafftopsail catfish				X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-AUG
	Gulf flounder				X	X	X	X	X	X	X	X	X	X	X	X		
	Atlantic bumper				X	X	X	X	X	X	X	X	X	X	X	X		
623	Native fish community				X	X	X	X	X	X	X	X	X	X	X	X		
624	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
	Silver perch				X	X	X	X	X	X	X	X	X	X	X	X	ALLYEAR	APR-SEP
625	Native fish community			VERY HIGH	X	X	X	X	X	X	X	X	X	X	X	X		
626	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
	Code goby				X	X	X	X	X	X	X	X	X	X	X	X		MAY-JUL
	Gray snapper				X	X	X	X	X	X	X	X	X	X	X	X	APR-NOV	JUN-SEP
628	Native fish community			HIGH	X	X	X	X	X	X	X	X	X	X	X	X		
	Pipefish				X	X	X	X	X	X	X	X	X	X	X	X		
629	Native fish community				X	X	X	X	X	X	X	X	X	X	X	X		
630	Native fish community				X	X	X	X	X	X	X	X	X	X	X	X		
	Blackcheek tonguefish				X	X	X	X	X	X	X	X	X	X	X	X		MAY-OCT
632	Native fish community				X	X	X	X	X	X	X	X	X	X	X	X		
633	Native fish community				X	X	X	X	X	X	X	X	X	X	X	X		
634	Native fish community				X	X	X	X	X	X	X	X	X	X	X	X		
635	Native fish community				X	X	X	X	X	X	X	X	X	X	X	X		
639	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
	Silver jenny				X	X	X	X	X	X	X	X	X	X	X	X		APR-AUG
640	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
644	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
	Gafftopsail catfish				X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-AUG
	Gray snapper				X	X	X	X	X	X	X	X	X	X	X	X	APR-NOV	JUN-SEP
	Gulf butterfish				X	X	X	X	X	X	X	X	X	X	X	X	ALLYEAR	
657	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
	Silver perch				X	X	X	X	X	X	X	X	X	X	X	X	ALLYEAR	APR-SEP
	Atlantic bumper				X	X	X	X	X	X	X	X	X	X	X	X		
9	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		
	Southern kingfish (whiting)				X	X	X	X	X	X	X	X	X	X	X	X		JUL-NOV
	Gulf kingfish				X	X	X	X	X	X	X	X	X	X	X	X		
	Rays				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
	Mackerels						X	X	X	X	X	X	X	X				
	Leatherjacket				X		X	X	X	X	X	X	X	X	X	X		
	Permit				X	X	X	X	X	X	X	X	X	X	X	X		

Invertebrate

RARNUM	NAME	S	F	CONC	J	F	M	A	M	J	J	A	S	O	N	D	LARV/JUV	SPAWNING
5	Molluscs				X	X	X	X	X	X	X	X	X	X	X	X		
	Echinoderms				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		
	Mantis shrimp				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		
574	Eastern oyster				X	X	X	X	X	X	X	X	X	X	X	X	MAY-JAN	MAR-NOV
	Dwarf surf clam				X	X	X	X	X	X	X	X	X	X	X	X		MAY-NOV
	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		
	Mantis shrimp				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		
586	Gulf grassflat crab				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		
612	Native shrimp and crab community				X	X	X	X	X	X	X	X	X	X	X	X		
613	Eastern oyster			LOW	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		
615	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		

Invertebrate

RARNUM	NAME	S	F	CONC	J	F	M	A	M	J	J	A	S	O	N	D	LARV/JUV	SPAWNING
617	Native shrimp and crab community				X	X	X	X	X	X	X	X	X	X	X	X		
618	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		
620	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		
623	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		
624	Eastern oyster				X	X	X	X	X	X	X	X	X	X	X	X	MAY-JAN	MAR-NOV
	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		
625	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		
626	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		
628	Native shrimp and crab community				X	X	X	X	X	X	X	X	X	X	X	X		
629	Eastern oyster				X	X	X	X	X	X	X	X	X	X	X	X	MAY-JAN	MAR-NOV
	Hermit crabs				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		
630	Native shrimp and crab community				X	X	X	X	X	X	X	X	X	X	X	X		
632	Native shrimp and crab community				X	X	X	X	X	X	X	X	X	X	X	X		
633	Native shrimp and crab community				X	X	X	X	X	X	X	X	X	X	X	X		
634	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		
635	Native shrimp and crab community				X	X	X	X	X	X	X	X	X	X	X	X		
639	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		
640	Native shrimp and crab community				X	X	X	X	X	X	X	X	X	X	X	X		
644	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		
657	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		
9	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
5	Bottlenose dolphin				X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	JUL-AUG	JAN-DEC	JAN-DEC
612	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					
613	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					
615	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					
617	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					
618	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					
620	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					
623	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					
624	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					
625	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					
626	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					
628	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					
629	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					
	River otter	C			X	X	X	X	X	X	X	X	X	X	X	X				
630	Bottlenose dolphin				X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	JUL-AUG	JAN-DEC	JAN-DEC

Marine Mammal

RARNUM	NAME	S	F	CONC	J	F	M	A	M	J	J	A	S	O	N	D	LARV/JUV	SPAWNING	MATING	CALVING
	West Indian manatee		E	LOW			X	X	X	X	X	X	X	X	X					
	River otter	C			X	X	X	X	X	X	X	X	X	X	X	X				
634	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					
	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					
	Bottlenose dolphin				X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	JUL-AUG	JAN-DEC	JAN-DEC
639	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					
	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					
	Bottlenose dolphin				X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	JUL-AUG	JAN-DEC	JAN-DEC
644	Bottlenose dolphin				X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	JUL-AUG	JAN-DEC	JAN-DEC
657	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
5	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
574	Loggerhead sea turtle		T	LOW	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG		MAY-OCT	ALLYEAR
	Green 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
586	Texas diamondback terrapin	C			X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	MAY-JUL	APR-AUG	
611	Texas diamondback terrapin	C			X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	MAY-JUL	APR-AUG	
613	Texas diamondback terrapin	C			X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	MAY-JUL	APR-AUG	
614	Texas diamondback terrapin	C			X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	MAY-JUL	APR-AUG	
622	Gulf salt marsh snake				X	X	X	X	X	X	X	X	X	X	X	X				
626	Texas diamondback terrapin	C			X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	MAY-JUL	APR-AUG	
628	Texas diamondback terrapin	C			X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	MAY-JUL	APR-AUG	
629	Texas diamondback terrapin	C			X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	MAY-JUL	APR-AUG	
635	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
	Loggerhead sea turtle		T	LOW	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG		MAY-OCT	ALLYEAR
644	Green 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
	Texas diamondback terrapin	C			X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	MAY-JUL	APR-AUG	
9	Loggerhead sea turtle		T		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
	2201	Cove Harbor Marina		aransassananntnueces@coveharbormarina
	2202	Cove Harbor South		aransassananntnueces@coveharborsouth
	2208	South Bay Marina		
Facility	RARNUM	NAME	CONTACT	CONTACT INFO
	1423	Derrick Construction Co., Inc.	Roy Johnson	361-386-0210
	1424	Cove Harbor Marina and Drystack	JAY RICKMAN	361-386-0347
	1425	Cove Harbor Reclamation Facility	James Duenes	
	1426	Estes Cove	Eric Upton	361-790-4743
	1427	Palm Harbor Marina	Danny Whitaker	3612053895
	1437	Southcross - Magnum Production - Redfish Bay	Leonard Stroman	361-299-4000
	1438	Stedman Island Facility	Larry Washington	3617905481
Water Intake	RARNUM	NAME	CONTACT	CONTACT INFO
	4168	H J EWALD JR		



8. Site Number: 179-B	9. Quad Name Estes	10. NOAA Chart # 11314	11. GLO Atlas Page # 179	12. County Aransas	
13. Site Information: 43.4 Location is on Harbor Island Northeast, on the north bank along Aransas Bay. This is a natural pass along and between Aransas Bay and the interior of Harbor Island Northeast. Pass leads to interior fringe marsh including Smooth Cordgrass and Black Mangrove.				14. Latitude From: 27°54' 50"	To:
				15. Longitude From: 97°03' 59"	To:
16. Closest Boat Ramp Port Aransas City Marina			17. Distance From Ramp 5.1 NM	18. Boat Type Shallow Draft work boats	
19. Directions From Local Sector Take Hwy 35 north through Gregory-south on Hwy 361 to Aransas Pass, east on 361 approx. 5 miles to Port Aransas, TX. Boat access only				20. Closest Airport Mustang beach Airport, Port A	
				21. Closest Helo Spot	

22. Trustee/Contact Numbers	23. Resources at Risk	24. Width of inlet 40' in ft.
USCG: (361) 888-3162 RRC: 361-242-3113	Atlas Priority High	
USCG DUTY: 361-533-7166 TPWD: (512) 389-4848	Environmental High	25. Water depth in ft. 1-2'
TGLO: 361-886-1650 NRDA: (512) 463 -9309		26. Current
TCEQ: 361-825-3100 USFWS: 361-994-9005	Economic High	27. No. of Personnel 2

25. Booming Strategy **Recommendation**
Exclusion booming of a natural pass between the Lydia Ann Channel and the interior of Harbor Island Northeast. Pass is approx. **40'** in width. This is often a high energy area due to fetch across Aransas Bay. Multiple anchor points may be required.



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: Responders should note the adjacent Lydia Ann channel is highly trafficked. Often large shrimp boats, barges and other vessels throw high energy wakes in this area					
8. Site Number: 179-E	9. Quad Name Estes	10. NOAA Chart # 11312,11314	11. GLO Atlas Page # 179	12. County Aransas	
13. Site Information: 179-E Location is on Harbor Island Northeast, on the west bank of Lydia Ann Channel. This is a natural pass along and between Lydia Ann Channel and the interior of Harbor Island Northeast. Site encompasses fringe marsh including Smooth Cordgrass and Black Mangroves.				14. Latitude From: 27°53'15.78"	To:
				15. Longitude From: 97°03'04.70"	To:
16. Closest Boat Ramp Port Aransas City Marina			17. Distance From Ramp 2.98 NM	18. Boat Type Shallow Draft work boats	
19. Directions From Local Sector Take Hwy 35 north through Gregory-south on Hwy 361 to Aransas Pass, east on 361 approx. 5 miles to Port Aransas, TX. Boat access only.				20. Closest Airport Mustang beach Airport, Port A	
				21. Closest Helo Spot	
22. Trustee/Contact Numbers USCG: (361) 888-3162 RRC: 361-242-3113 USCG DUTY: 361-533-7166 TPWD: (512) 389-4848 TGLO: 361-886-1650 NRDA: (512) 463 -9309 TCEQ: 361-825-3100 USFWS: 361-994-9005		23. Resources at Risk Atlas Priority High Environmental High Economic High		24.Width of inlet 90' in ft. 25. Water depth in ft. 1-3' 26. Current 27. No. of Personnel 2-4	
25. Booming Strategy Recommendation Exclusion booming of a major natural pass between the Lydia Ann Channel and the interior of Harbor Island Northeast. Pass is approx. 90' in width					
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."					

