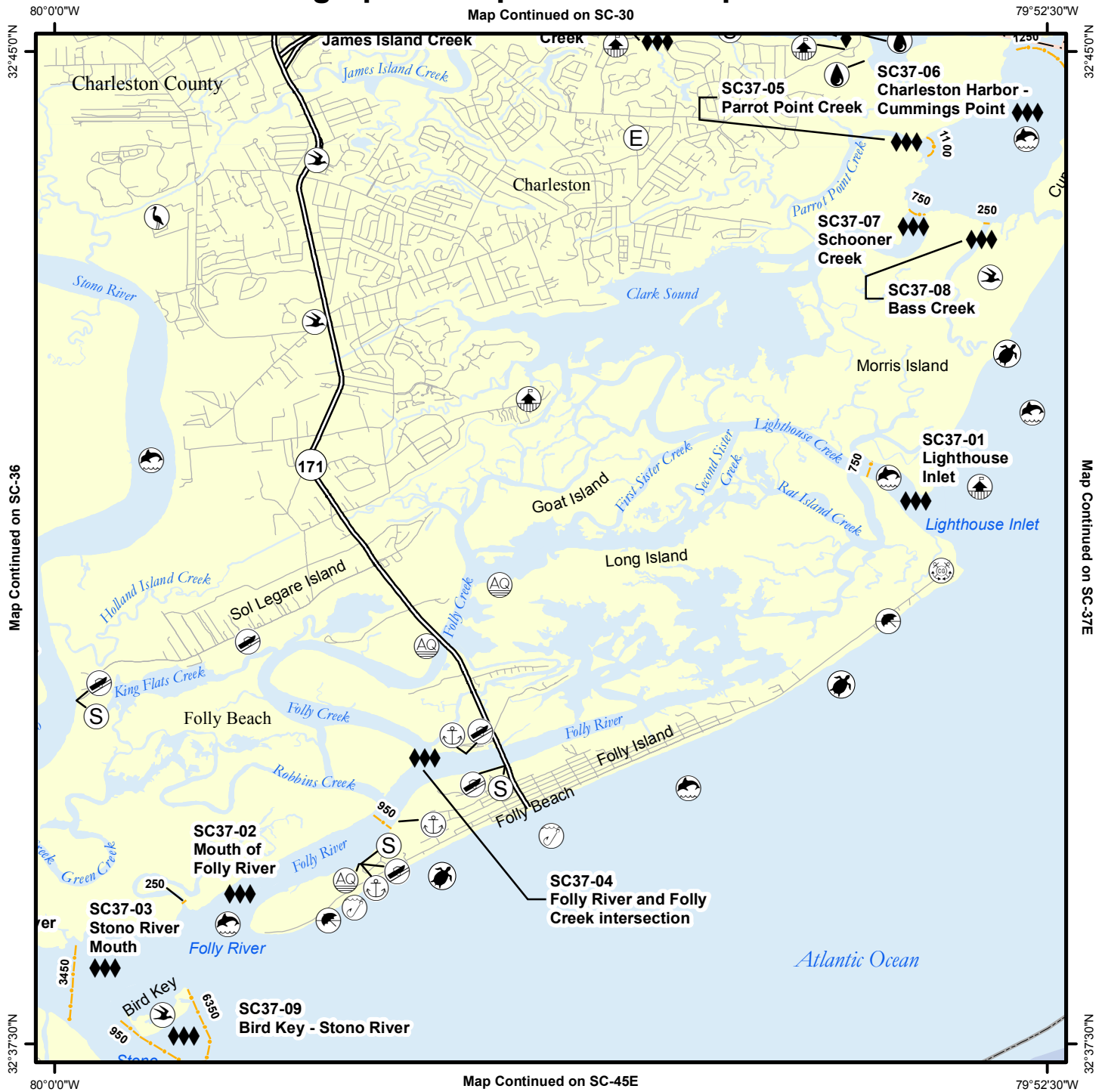


# Geographic Response Plan Map: SC-37



## Legend

### Environmentally Sensitive Areas

#### Protection Priority - Summer

- ◆◆◆ A - Protect First - Highest Priority
- ◆◆ B - Protect after A Areas - Medium Priority
- ◆ C - Protect after B Areas - Lower Priority
- ▲ Collection Point
- ▼ Skimmer
- (S) Staging Areas
- (R) Oil Spill Risk Locations
- (E) Equipment Storage Locations
- Port Facilities
- General Booming Strategy (Length in Ft)
- State Managed Area Boundary
- Federal Managed Area Boundary
- County Boundary/State Waters
- US Coast Guard Sector AOR

### Bio-SocEcon

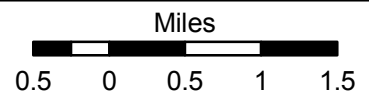
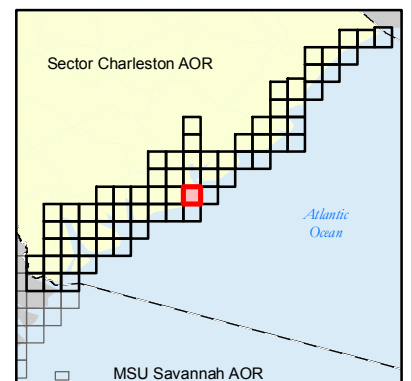
- (AQ) Aquaculture
- Boat Ramp
- Coast Guard
- Commercial Fishing
- Diving birds Nesting Area
- Dolphins
- Gull/Tern Nesting Area
- Historical Site
- Manatees
- Marina
- Raptor Nesting Area
- Recreational Fishing
- Sea Turtles
- Shorebird Nesting Area
- Wading birds Nesting Area
- Water Intake
- Water Quality
- Waterfowl Management Area
- Whales
- Wildlife Management Area/Refuge



US Coast Guard  
Sector Charleston



Fish and Wildlife  
Research Institute



Name: Lighthouse Inlet

Site ID:

SC37-01

Protection Priority (Season): Spring:  Summer:  Fall:  Winter: 

Site Description:

## GEOSPATIAL INFORMATION

Latitude (DMS): 32° 41' 36.167" N

Longitude (DMS): 79° 53' 29.972" W

County: Charleston

Latitude (DD): 32.69337956

Longitude (DD): -79.89165871

SCAT Division: Charleston County Division 3

ESI Map: SC - 37

ESI Name: James Island, SC

NOAA Chart: 11523\_1

CHART Name: CHARLESTON HARBOR ENTRANCE

USGS Quad: 32079-F8

QUAD Name: James Island

Managed Area (if applicable):

General Location:

## CONTACT INFORMATION

Contacts: SCDNR (800)922-5431; SCDHEC (888)481-0125

## RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes, sheltered tidal flats/oyster beds, fine-grained sand beaches, exposed scarps in clay

Habitat: Salt and brackish water marsh, exposed tidal flats, sheltered tidal flats/oyster beds

Wildlife: Black &amp; Surf scoter, Bufflehead, Common goldeneye, Oldsquaw, Black duck, Clapper rail, shorebirds, wading birds, Brown pelican, Double-crested cormorant, gulls, terns, American oyster, Blue crab, Penaeid shrimp, Bottlenose dolphin, Loggerhead sea turtle, Mink, Northern raccoon, River otter, various fish species

Threaten/Endangered Species: Possible Shortnose sturgeon, Loggerhead sea turtle, West Indian manatee

Socio-Economic Resources:

## RESPONSE CONSIDERATIONS

Staging Area: Folly Beach Public Boat Landing

Collection Points:

Area Access:

Spill Risk:

Response Resources:

## PROTECTION STRATEGY INFORMATION

Tidal Range (FT):

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT): 750

Boom Type:

Booming Method: Protection/Exclusion

Protection Strategy: 750' of boom across inlet as depicted.



Name: Mouth of Folly River

Site ID:

SC37-02

Protection Priority (Season): Spring:  Summer:  Fall:  Winter: 

Site Description:

## GEOSPATIAL INFORMATION

Latitude (DMS): 32° 38' 38.075" N

Longitude (DMS): 79° 58' 36.044" W

County: Charleston

Latitude (DD): 32.64390969

Longitude (DD): -79.97667867

SCAT Division: Charleston County Division 3

ESI Map: SC - 37

ESI Name: James Island, SC

NOAA Chart: 11522\_1

CHART Name: STONO AND NORTH EDISTO RIVERS

USGS Quad: 32079-F8

QUAD Name: James Island

Managed Area (if applicable):

General Location:

## CONTACT INFORMATION

Contacts: SCDNR (800)922-5431; SCDHEC (888)481-0125

## RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes, fine-grained sand beaches

Habitat: SCDNR Hatcheries, salt and brackish water marsh, sheltered tidal flats

Wildlife: Black & Surf scoter, Bufflehead, Common goldeneye, Oldsquaw, Black duck, Clapper rail, shorebirds, wading birds, Brown-pelican, Double-crested cormorant, gulls, terns, Am. oystercatcher, Black skimmer, Snowy egret, Tricolored heron, Bottlenose dolphin, Am. oyster, Blue crab, Penaeid shrimp, various fish species, Loggerhead sea turtle

Threaten/Endangered Species: Least tern, possible Shortnose sturgeon, Loggerhead sea turtle, West Indian manatee

Socio-Economic Resources:

## RESPONSE CONSIDERATIONS

Staging Area: Folly Beach Public Boat Landing

Collection Points:

Area Access:

Spill Risk:

Response Resources:

## PROTECTION STRATEGY INFORMATION

Tidal Range (FT):

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT): 1200

Boom Type:

Booming Method: Protection/Exclusion

Protection Strategy: 950' of boom across Folly River as depicted; 250' across mouth of tributary downstream.



Name: Stono River Mouth

Site ID:

SC37-03

Protection Priority (Season): Spring:  Summer:  Fall:  Winter: 

Site Description:

## GEOSPATIAL INFORMATION

Latitude (DMS): 32° 37' 50.473" N

Longitude (DMS): 79° 59' 36.333" W

County: Charleston

Latitude (DD): 32.63068667

Longitude (DD): -79.99342592

SCAT Division: Charleston County Division 3

ESI Map: SC - 37

ESI Name: James Island, SC

NOAA Chart: 11522\_1

CHART Name: STONO AND NORTH EDISTO RIVERS

USGS Quad: 32079-F8

QUAD Name: James Island

Managed Area (if applicable):

General Location:

## CONTACT INFORMATION

Contacts: SCDNR (800)922-5431; SCDHEC (888)481-0125

## RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes, sheltered tidal flats/oyster beds, fine-grained sand beaches, gravel (shell) beaches

Habitat: Salt and brackish water marshes, exposed tidal flats, sheltered tidal flats

Wildlife: Black & Surf scoter, Bufflehead, Common goldeneye, Oldsquaw, Am. oystercatcher, Black skimmer, Brown pelican, Double-crested cormorant, Laughing gull, Least tern, Gull-billed, Royal & Sandwich tern, Snowy egret, Tricolored heron, Bottlenose dolphin, Am. oyster, Red drum, So. flounder, Spot, Spotted seatrout, Striped mullet, Atl. menhaden, Atl. sharpnose shark, Blacktip shark, Bluefish, Crevalle jack, rays, Seatrout, sharks, Spanish mackerel, Tarpon, Loggerhead sea turtle

Threaten/Endangered Species: Least tern, Loggerhead sea turtle, possible Shortnose sturgeon, West Indian manatee

Socio-Economic Resources:

## RESPONSE CONSIDERATIONS

Staging Area: Sol Legare Landing

Collection Points:

Area Access:

Spill Risk:

Response Resources:

## PROTECTION STRATEGY INFORMATION

Tidal Range (FT):

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT): 3450

Boom Type:

Booming Method: Protection/Exclusion

Protection Strategy: 3450' across mouth of Stono River.



Name: Folly River and Folly Creek intersection

Site ID:

SC37-04

Protection Priority (Season): Spring:  Summer:  Fall:  Winter: 

Site Description:

## GEOSPATIAL INFORMATION

Latitude (DMS): 32° 39' 39.877" N

Longitude (DMS): 79° 57' 12.218" W

County: Charleston

Latitude (DD): 32.66107720

Longitude (DD): -79.95339446

SCAT Division: Charleston County Division 3

ESI Map: SC - 37

ESI Name: James Island, SC

NOAA Chart: 11522\_1

CHART Name: STONO AND NORTH EDISTO RIVERS

USGS Quad: 32079-F8

QUAD Name: James Island

Managed Area (if applicable):

General Location:

## CONTACT INFORMATION

Contacts: SCDNR (800)922-5431, SCDHEC (888)481-0125

## RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes, sheltered tidal flats, sheltered solid man-made structures

Habitat: Salt and brackish water marshes, sheltered tidal flats

Wildlife: Common & Red-breasted merganser, Black duck, Clapper rail, shorebirds, wading birds, Atl. croaker, Atl. menhaden, Atl. sharpnose shark, Atl. stingray, Black & Red drum, Mummichog, Seatrout, Southern & Summer flounder, Spot, Spotted seatrout, Am. oyster, Striped mullet, Blue crab, Penaeid shrimp, Mink, Northern raccoon, River otter

Threaten/Endangered Species: Possible Shortnose sturgeon, West Indian manatee

Socio-Economic Resources:

## RESPONSE CONSIDERATIONS

Staging Area: Folly Beach Public Boat Landing

Collection Points:

Area Access:

Spill Risk:

Response Resources:

## PROTECTION STRATEGY INFORMATION

Tidal Range (FT):

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT):

Boom Type:

Booming Method: No Information Provided

Protection Strategy:



Name: Parrot Point Creek

Site ID:

SC37-05

Protection Priority (Season):

Spring:

Summer:

Fall:

Winter:

Site Description:

## GEOSPATIAL INFORMATION

Latitude (DMS): 32° 44' 19.129" N

Longitude (DMS): 79° 53' 30.533" W

County: Charleston

Latitude (DD): 32.73864716

Longitude (DD): -79.89181501

SCAT Division: Charleston County Division 3

ESI Map: SC - 37

ESI Name: James Island, SC

NOAA Chart: 11518\_4

CHART Name: ICW CHARELSTON HBR ENTRANCE EXT

USGS Quad: 32079-F8

QUAD Name: James Island

Managed Area (if applicable):

General Location:

## CONTACT INFORMATION

Contacts: SCDHEC (888)481-0125; SCDNR (800)922-5431

## RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes, sheltered tidal flats/oyster beds, exposed tidal flats

Habitat: High sensitivity salt and brackish water marshes, exposed tidal flats, sheltered tidal flats/oyster beds

Wildlife: Ospreys, Greater & Lesser scaup, Common & Red-breasted merganser, Black duck, Clapper rail, shorebirds, wading birds, Atl. croaker, Atl. menhaden, Atl. sharpnose sturgeon, Atl. stingray, Black & Red drum, Mummichog, Seatrout, Sothern & Summer flounder, Spot, Spotted seatrout, Striped mullet, American oyster, Blue crab, Penaeid shrimp, Mink, Northern raccoon, River otter

Threaten/Endangered Species: Possible Shortnose Sturgeon (SNS) habitat, West Indian manatee

Socio-Economic Resources:

## RESPONSE CONSIDERATIONS

Staging Area: James Island Yacht Club boat ramp, Sullivans Island boat ramp

Collection Points:

Area Access: boat/helicopter

Spill Risk:

Response Resources:

## PROTECTION STRATEGY INFORMATION

Tidal Range (FT):

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT): 1100

Boom Type:

Booming Method: Protection/Exclusion

Protection Strategy: 1100' of boom across mouth of creek.



Name: Charleston Harbor - Cummings Point

Site ID:

SC37-06

Protection Priority (Season): Spring:  Summer:  Fall:  Winter: 

Site Description:

## GEOSPATIAL INFORMATION

Latitude (DMS): 32° 44' 31.595" N

Longitude (DMS): 79° 52' 32.995" W

County: Charleston

Latitude (DD): 32.74210999

Longitude (DD): -79.87583201

SCAT Division: Charleston County Division 3

ESI Map: SC - 37

ESI Name: James Island, SC

NOAA Chart: 11518\_4

CHART Name: ICW CHARELSTON HBR ENTRANCE EXT

USGS Quad: 32079-F8

QUAD Name: James Island

Managed Area (if applicable):

General Location:

## CONTACT INFORMATION

Contacts: SCDHEC (888)481-0125; SCDNR (800)922-5431

## RESOURCES AT RISK INFORMATION

**Shoreline Type:** Salt and brackish water marshes, sheltered tidal flats/oyster beds, exposed tidal flat, fine-grained sand beaches**Habitat:** High sensitivity salt and brackish water marshes, sheltered tidal flats/oyster beds, exposed tidal flats**Wildlife:** Ospreys, Greater & Lesser scaup, Black & Surf scoter, Bufflehead, Common goldeneye, Oldsquaw, Black duck, Clapper rail, shorebirds, wading birds, American oyster, Loggerhead sea turtle, Bottlenose dolphin, Mink, Northern raccoon River otter, Red drum, Southern flounder, Spot, Spotted seatrout, Striped mullet, Bluefish, Florida pompano, Gulf kingfish, rays, sharks, skates, Southern kingfish, Spiny dogfish**Threaten/Endangered Species:** Possible Shortnose Sturgeon (SNS) habitat, Loggerhead sea turtle, West Indian manatee**Socio-Economic Resources:**

## RESPONSE CONSIDERATIONS

**Staging Area:** James Island Yacht Club boat ramp, Sullivans Island boat ramp**Collection Points:****Area Access:** boat/helicopter**Spill Risk:****Response Resources:**

## PROTECTION STRATEGY INFORMATION

**Tidal Range (FT):****Average Current (KTS):****Ease of Protection:****Min. Boom Length (FT):** 4000**Boom Type:****Booming Method:** Protection/Exclusion**Protection Strategy:** 4000' of boom from Cummings Point to closest land across bay entrance (if possible)



**GRP - Oil Spill Sensitive Site Report for Sector : Charleston****GRP Map #****SC-37****Name:** Schooner Creek**Site ID:****SC37-07****Protection Priority (Season):****Spring:****Summer:****Fall:****Winter:****Site Description:****GEOSPATIAL INFORMATION****Latitude (DMS):** 32° 43' 40.835" N**Longitude (DMS):** 79° 53' 30.746" W**County:** Charleston**Latitude (DD):** 32.72801036**Longitude (DD):** -79.89187373**SCAT Division:** Charleston County Division 3**ESI Map:** SC - 37**ESI Name:** James Island, SC**NOAA Chart:** 11523\_1**CHART Name:** CHARLESTON HARBOR ENTRANCE**USGS Quad:** 32079-F8**QUAD Name:** James Island**Managed Area (if applicable):****General Location:****CONTACT INFORMATION****Contacts:** SCDHEC (888)481-0125; SCDNR (800)922-5431**RESOURCES AT RISK INFORMATION****Shoreline Type:** Salt and brackish water marshes, sheltered tidal flats/oyster beds, exposed tidal flats**Habitat:** High sensitivity salt and brackish water marshes, exposed tidal flats, sheltered tidal flats/oyster beds**Wildlife:** Ospreys, Common & Red-breasted merganser, Black duck, Clapper rail, shorebirds, wading birds, Atl. croaker, Atl. menhaden, Atl. sharpnose shark, Atl. stingray, Black & Red drum, Mummichog, Seatrout, Southern & Summer flounder, Spot, Spotted seatrout, Striped mullet, American oyster, Blue crab, Penaeid shrimp, Mink, Northern raccoon, River otter**Threaten/Endangered Species:** Possible Shortnose Sturgeon (SNS) habitat, West Indian manatee**Socio-Economic Resources:****RESPONSE CONSIDERATIONS****Staging Area:** James Island Yacht Club boat ramp, Sullivans Island boat ramp**Collection Points:****Area Access:** boat/helicopter**Spill Risk:****Response Resources:****PROTECTION STRATEGY INFORMATION****Tidal Range (FT):****Average Current (KTS):****Ease of Protection:****Min. Boom Length (FT):** 750**Boom Type:****Booming Method:** Protection/Exclusion**Protection Strategy:** 750' of barrier boom across mouth of creek



Name: Bass Creek

Site ID:

SC37-08

Protection Priority (Season): Spring:  Summer:  Fall:  Winter: 

Site Description:

## GEOSPATIAL INFORMATION

Latitude (DMS): 32° 43' 40.195" N

Longitude (DMS): 79° 52' 58.526" W

County: Charleston

Latitude (DD): 32.72783198

Longitude (DD): -79.88292357

SCAT Division: Charleston County Division 3

ESI Map: SC - 37

ESI Name: James Island, SC

NOAA Chart: 11518\_4

CHART Name: ICW CHARELSTON HBR ENTRANCE EXT

USGS Quad: 32079-F8

QUAD Name: James Island

Managed Area (if applicable):

General Location:

## CONTACT INFORMATION

Contacts: SCDHEC (888)481-0125; SCDNR (800)922-5431

## RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes, tidal flats

Habitat: High sensitivity salt and brackish water marshes, tidal flats

Wildlife: Ospreys, Common & Red-breasted merganser, Black duck, Clapper rail, shorebirds, wading birds, Greater & Lesser scaup, Least tern, Atl. croaker, Atl. menhaden, Atl. sharpnose shark, Atl. stingray, Black & Red drum, Mummichog, Seatrout, Spotted seatrout, Southern & Summer flounder, Spot, Striped seatrout, American oyster, Blue crab, Penaeid shrimp, Mink, Northern raccoon, River otter

Threaten/Endangered Species: Possible Shortnose Sturgeon (SNS) habitat, Least tern, West Indian manatee

Socio-Economic Resources:

## RESPONSE CONSIDERATIONS

Staging Area: James Island Yacht Club boat ramp, Sullivans Island boat ramp

Collection Points:

Area Access: boat/helicopter

Spill Risk:

Response Resources:

## PROTECTION STRATEGY INFORMATION

Tidal Range (FT):

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT): 250

Boom Type:

Booming Method: Protection/Exclusion

Protection Strategy: 250' of boom across mouth of creek



Name: Bird Key - Stono River

Site ID:

SC37-09

Protection Priority (Season): Spring:  Summer:  Fall:  Winter: 

Site Description: Bird Sanctuary - bird nesting and resting area

## GEOSPATIAL INFORMATION

Latitude (DMS): 32° 38' 4.711" N

Longitude (DMS): 79° 58' 57.968" W

County: Charleston

Latitude (DD): 32.63464188

Longitude (DD): -79.98276886

SCAT Division: Charleston County Division 3

ESI Map: SC - 37

ESI Name: James Island, SC

NOAA Chart: 11522\_1

CHART Name: STONO AND NORTH EDISTO RIVERS

USGS Quad: 32079-F8

QUAD Name: James Island

Managed Area (if applicable):

General Location:

## CONTACT INFORMATION

Contacts: SCDNR (800)922-5431; SCDHEC (888)481-0125

## RESOURCES AT RISK INFORMATION

Shoreline Type: Exposed tidal flats

Habitat: Exposed tidal flats

**Wildlife:** Black & Surf scoter, Bufflehead, Common goldeneye, Oldsquaw, Amer. oystercatcher, Black skimmer, Brown pelican, Double-crested cormorant, Laughing gull, Least tern, wading birds, Atl. croaker, Alt. menhaden, Atl. sharpnose shark, Atl. stingray, Mummichog, Black & Red drum, Seatrout, Southern & Summer flounder, Spot, Spotted seatrout, Striped mullet, Blacktip shark, Bluefish, Crevalle jack, rays, sharks, Spanish mackerel, Tarpon, Bottlenose dolphin, Amer. oyster, Blue crab, Penaeid shrimp

Threaten/Endangered Species: Least tern

Socio-Economic Resources: N/A

## RESPONSE CONSIDERATIONS

Staging Area: Folly Beach Public Boat Landing, Sol Legare Landing

Collection Points:

Area Access: boat, helicopter not recommended

Spill Risk:

Response Resources:

## PROTECTION STRATEGY INFORMATION

Tidal Range (FT): 6-9

Average Current (KTS):

Ease of Protection: Hard

Min. Boom Length (FT): 7300

Boom Type: Hard, Sorbent

Booming Method: Protection/Exclusion, Ensnarement

Protection Strategy: Protect beach/shoreline with sorbent boom and 7300' of boom as depicted.

