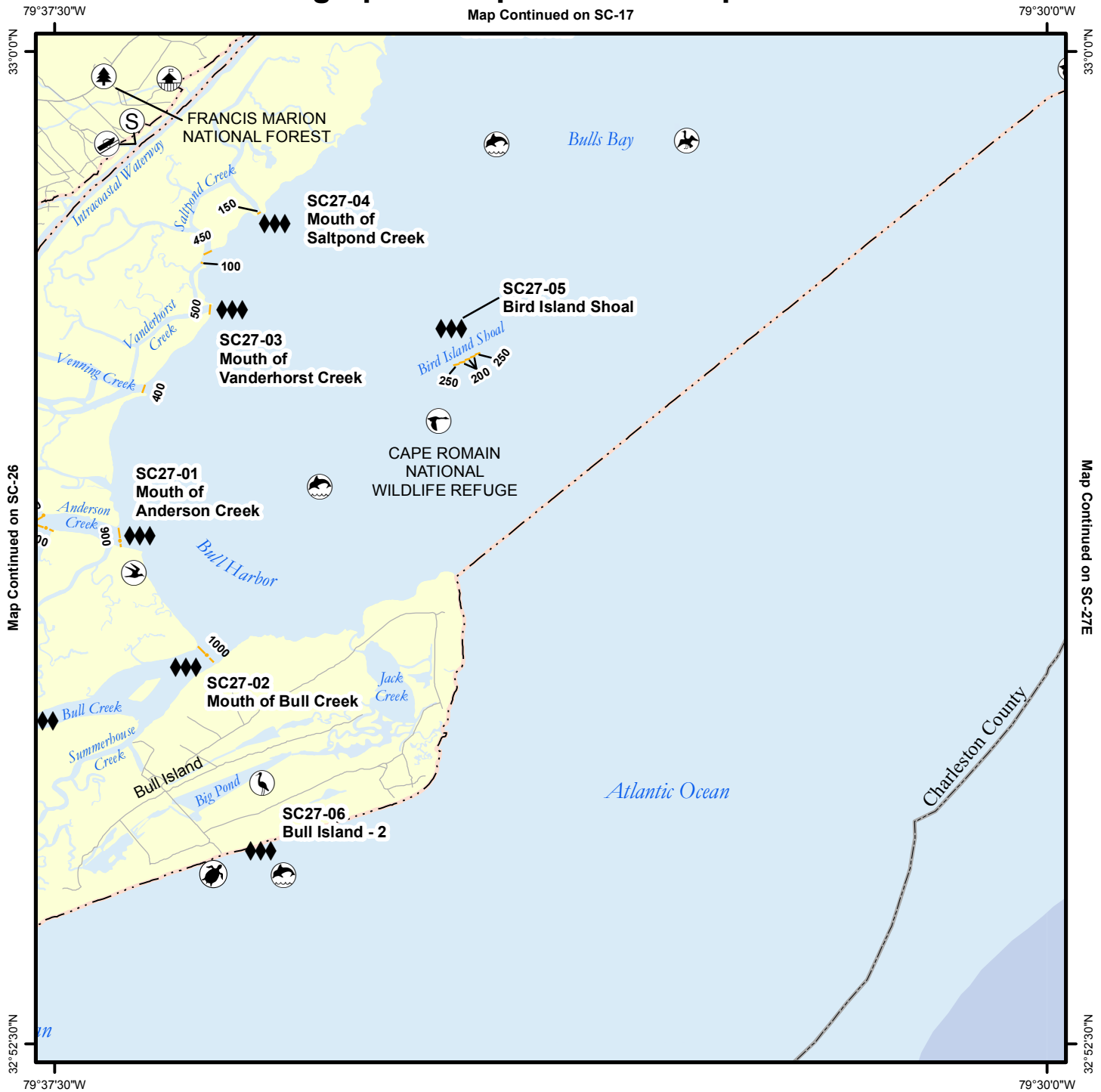


# Geographic Response Plan Map: SC-27

Map Continued on SC-17



Map Continued on SC-26

Map Continued on SC-27E

## 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

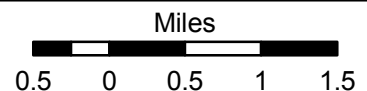
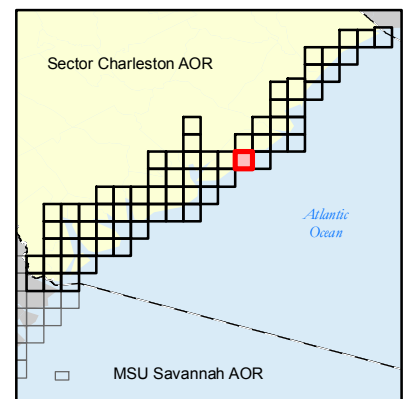
- (AQ) Aquaculture
- (BR) Boat Ramp
- (CG) Coast Guard
- (CF) Commercial Fishing
- (DB) Diving birds Nesting Area
- (DOL) Dolphins
- (GT) Gull/Tern Nesting Area
- (HS) Historical Site
- (MAN) Manatees
- (MAR) Marina
- (RNA) Raptor Nesting Area
- (RF) Recreational Fishing
- (ST) Sea Turtles
- (SNA) Shorebird Nesting Area
- (WBN) Wading birds Nesting Area
- (WI) Water Intake
- (WQ) Water Quality
- (WMA) Waterfowl Management Area
- (WHA) Whales
- (WMA/REF) Wildlife Management Area/Refuge



US Coast Guard  
Sector Charleston



Fish and Wildlife  
Research Institute



Name: Mouth of Anderson Creek

Site ID:

SC27-01

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

Site Description:

## GEOSPATIAL INFORMATION

Latitude (DMS): 32° 56' 19.960" N

Longitude (DMS): 79° 36' 57.148"

County: Charleston

Latitude (DD): 32.93887767

Longitude (DD): -79.61587445

SCAT Division: Charleston County Division 2

ESI Map: SC - 27

ESI Name: Bull Island, SC

NOAA Chart: 11518\_1

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 32079-H5

QUAD Name: Bull Island

Managed Area (if applicable):

General Location: Cape Romain National Wildlife Refuge

## CONTACT INFORMATION

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

## RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes, gravel (shell) beaches

Habitat: Salt and brackish water marshes

**Wildlife:** Black & Surf scoter, Bufflehead, Common goldeneye, Oldsquaw, Black duck, Clapper rail, shorebirds, wading birds, Hooded merganser, Wood duck, Amer. oystercatcher, Black-bellied & Semipalmated plover, Dowitcher, Dunlin, Morbled godwit, Red knot, Peep, Willet, Least tern, Bottlenose dolphin, Amer. oyster, Blue crab, Penaeid shrimp, Beaver, Mink, Northern raccoon, River otter, various fish species

**Threaten/Endangered Species:** Least tern, possible Shortnose sturgeon, West Indian manatee**Socio-Economic Resources:**

## RESPONSE CONSIDERATIONS

**Staging Area:** Bulls Bay Boat Ramp, North on Capers Creek or Capers Creek Boat Ramp**Collection Points:****Area Access:****Spill Risk:****Response Resources:**

## PROTECTION STRATEGY INFORMATION

**Tidal Range (FT):****Average Current (KTS):****Ease of Protection:****Min. Boom Length (FT):** 900**Boom Type:****Booming Method:** Protection/Exclusion**Protection Strategy:** 900' boom across mouth of Creek

Name: Mouth of Bull Creek

Site ID:

SC27-02

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

Site Description:

## GEOSPATIAL INFORMATION

Latitude (DMS): 32° 55' 29.662" N

Longitude (DMS): 79° 36' 15.060"

County: Charleston

Latitude (DD): 32.92490616

Longitude (DD): -79.60418343

SCAT Division: Charleston County Division 2

ESI Map: SC - 27

ESI Name: Bull Island, SC

NOAA Chart: 11518\_1

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 32079-H5

QUAD Name: Bull Island

Managed Area (if applicable):

General Location: Cape Romain National Wildlife Refuge

## CONTACT INFORMATION

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

## RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes, gravel (shell) beaches

Habitat: Salt and brackish water marshes, freshwater swamps (woody vegetation)

Wildlife: Waterfowl - all seasons, wading birds - all seasons, alligators - all seasons, shorebirds - all seasons, various fish species, American oyster, Blue crab, Penaeid shrimp, Bottlenose dolphin, Beaver, Mink, Northern raccoon, River otter

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

Socio-Economic Resources:

## RESPONSE CONSIDERATIONS

Staging Area: Boat Ramps on Capers Creek

Collection Points:

Area Access:

Spill Risk:

Response Resources:

## PROTECTION STRATEGY INFORMATION

Tidal Range (FT):

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT): 1000

Boom Type:

Booming Method: Protection/Exclusion

Protection Strategy: 1000' boom across mouth of Bull Creek



Name: Mouth of Vanderhorst Creek

Site ID:

SC27-03

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

Site Description:

## GEOSPATIAL INFORMATION

Latitude (DMS): 32° 58' 2.975" N

Longitude (DMS): 79° 36' 19.284"

County: Charleston

Latitude (DD): 32.96749294

Longitude (DD): -79.60535659

SCAT Division: Charleston County Division 1

ESI Map: SC - 27

ESI Name: Bull Island, SC

NOAA Chart: 11518\_1

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 32079-H5

QUAD Name: Bull 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

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

Wildlife: Black & Surf scoter, Bufflehead, Common goldeneye, Oldsquaw, Black duck, Clapper rail, shorebirds, wading birds, Hooded merganser, Wood duck, Amer. oystercatcher, Black-bellied & Semipalmated plover, Dowitcher, Dunlin, Marbled godwit, Peep, Red knot, Willet, various fish species, American oyster, Blue crab, Penaeid shrimp, Beaver, Mink, Northern raccoon, River otter, Bottlenose dolphin

Threaten/Endangered Species: Terns, possible Shortnose sturgeon, West Indian manatee

Socio-Economic Resources:

## RESPONSE CONSIDERATIONS

Staging Area: Boat Ramps on Capers Creek

Collection Points:

Area Access:

Spill Risk:

Response Resources:

## PROTECTION STRATEGY INFORMATION

Tidal Range (FT):

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT): 900

Boom Type:

Booming Method: Protection/Exclusion

Protection Strategy: 500' boom across mouth of Vanderhorst Creek; 400' boom across mouth of Venning Creek



Name: Mouth of Saltpond Creek

Site ID:

SC27-04

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

Site Description:

## GEOSPATIAL INFORMATION

Latitude (DMS): 32° 58' 46.362" N

Longitude (DMS): 79° 35' 56.616"

County: Charleston

Latitude (DD): 32.97954499

Longitude (DD): -79.59905995

SCAT Division: Charleston County Division 1

ESI Map: SC - 27

ESI Name: Bull Island, SC

NOAA Chart: 11518\_1

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 32079-H5

QUAD Name: Bull Island

Managed Area (if applicable):

General Location: Cape Romain National Wildlife Refuge

## 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

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

Wildlife: Black & Surf scoter, Bufflehead, Common goldeneye, Oldsquaw, Black duck, Clapper rail, shorebirds, wading birds, Hooded merganser, Wood duck, Beaver, Mink, Northern raccoon, River otter, Bottlenose dolphin, Amer. oyster, Blue crab, Penaeid shrimp, Atl. menhaden, Atl. sharpnose shark, Blacktip shark, Bluefish, Crevalle jack, rays, Seatrout, sharks, Southern & Summer flounder, Spanish mackerel, Tarpon, Alt. croaker, Atl. stingray, Black & Red drum, Mummichog, Spot, Spotted seatrout, Striped mullet

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

Socio-Economic Resources:

## RESPONSE CONSIDERATIONS

Staging Area: Capers Creek Boat Ramp, Bulls Bay Boat Ramp on North end of Capers Creek

Collection Points:

Area Access:

Spill Risk:

Response Resources:

## PROTECTION STRATEGY INFORMATION

Tidal Range (FT):

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT): 600

Boom Type:

Booming Method: Protection/Exclusion

Protection Strategy: 150' boom at mouth of Saltpond Creek; 450' boom at mouth of Belvedere Creek



Name: Bird Island Shoal

Site ID:

SC27-05

Protection Priority (Season):

Spring:

A

Summer:

A

Fall:

A

Winter:

A

Site Description:

## GEOSPATIAL INFORMATION

Latitude (DMS): 32° 57' 57.644" N

Longitude (DMS): 79° 34' 37.660"

County: Charleston

Latitude (DD): 32.96601215

Longitude (DD): -79.57712788

SCAT Division: Charleston County Division 1

ESI Map: SC - 27

ESI Name: Bull Island, SC

NOAA Chart: 11518\_1

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 32079-H5

QUAD Name: Bull Island

Managed Area (if applicable):

General Location: Cape Romain National Wildlife Refuge

## CONTACT INFORMATION

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

## RESOURCES AT RISK INFORMATION

Shoreline Type: Exposed tidal flats, sheltered tidal flats/oyster beds

Habitat: Exposed tidal flats, sheltered tidal flats/oyster beds

**Wildlife:** Black & Surf scoter, Bufflehead, Common goldeneye, Oldsquaw, Am. oystercatcher, Black-bellied & Semipalmated plover, Brown pelican, Double-crested cormorant, Dowitcher, Dunlin, Marbled godwit, Peep, Red knot, Willet, Glossy ibis, Great & Snowy egret, Gull-billed tern, Laughing gull, Royal & Sandwich tern, Tricolored heron, Red drum, So. flounder, Spot, Spotted seatrout, Striped mullet, Atl. menhaden, Bluefish, Crevalle jack, rays, sharks, Spanish mackerel, Tarpon, Bottlenose dolphin, Am. oyster

**Threaten/Endangered Species:** Glossy Ibis, possible Shortnose sturgeon, West Indian manatee**Socio-Economic Resources:**

## RESPONSE CONSIDERATIONS

**Staging Area:** Capers Creek Boat Ramp, Bulls Bay Boat Ramp on Capers Creek**Collection Points:****Area Access:****Spill Risk:****Response Resources:**

## PROTECTION STRATEGY INFORMATION

**Tidal Range (FT):****Average Current (KTS):****Ease of Protection:****Min. Boom Length (FT):** 700**Boom Type:****Booming Method:** Deflection**Protection Strategy:** 700' diversion (deflection) boom off of Shoal

Consider open water collection/recovery. Possible insitu burn and/or dispersant use.



Name: Bull Island - 2

Site ID:

SC27-06

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

Site Description: Turtle Nesting Beach - Wildlife Refuge area

## GEOSPATIAL INFORMATION

Latitude (DMS): 32° 53' 57.864" N

Longitude (DMS): 79° 35' 56.672"

County: Charleston

Latitude (DD): 32.89940656

Longitude (DD): -79.59907562

SCAT Division: Charleston County Division 2

ESI Map: SC - 27

ESI Name: Bull Island, SC

NOAA Chart: 11531\_1

CHART Name: WINYAH BAY TO BULLS BAY

USGS Quad: 32079-H5

QUAD Name: Bull Island

Managed Area (if applicable):

General Location: Cape Romain National Wildlife Refuge

## CONTACT INFORMATION

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

## RESOURCES AT RISK INFORMATION

Shoreline Type: Fine-grained sand beaches

Habitat: Freshwater marshes, salt and brackish water marshes

Wildlife: Black &amp; Surf scoter, Bufflehead, Common goldeneye, Oldsquaw, Bluefish, Florida pompano, Gulf kingfish, rays, Red drum, sharks, skates, Southern kingfish, Spiny dogfish, Loggerhead sea turtle, Bottlenose dolphin

Threaten/Endangered Species: Loggerhead sea turtles, possible Shortnose sturgeon, West Indian manatee

Socio-Economic Resources: Oyster Aquaculture in vicinity

## RESPONSE CONSIDERATIONS

Staging Area: Capers Creek Boat Ramp, Bulls Bay Boat Ramp (on north end of Capers Creek - SC27), Jeremy Creek Boat Ramp, McClellanville

Collection Points: N/A

Area Access: boat/helicopter

Spill Risk:

Response Resources: Contractor

## PROTECTION STRATEGY INFORMATION

Tidal Range (FT): 6-9

Average Current (KTS):

Ease of Protection: Hard

Min. Boom Length (FT):

Boom Type:

Booming Method: N/A

Protection Strategy: No protection possible

Consider open water collection/recovery. Possible insitu burn and/or dispersant use.

