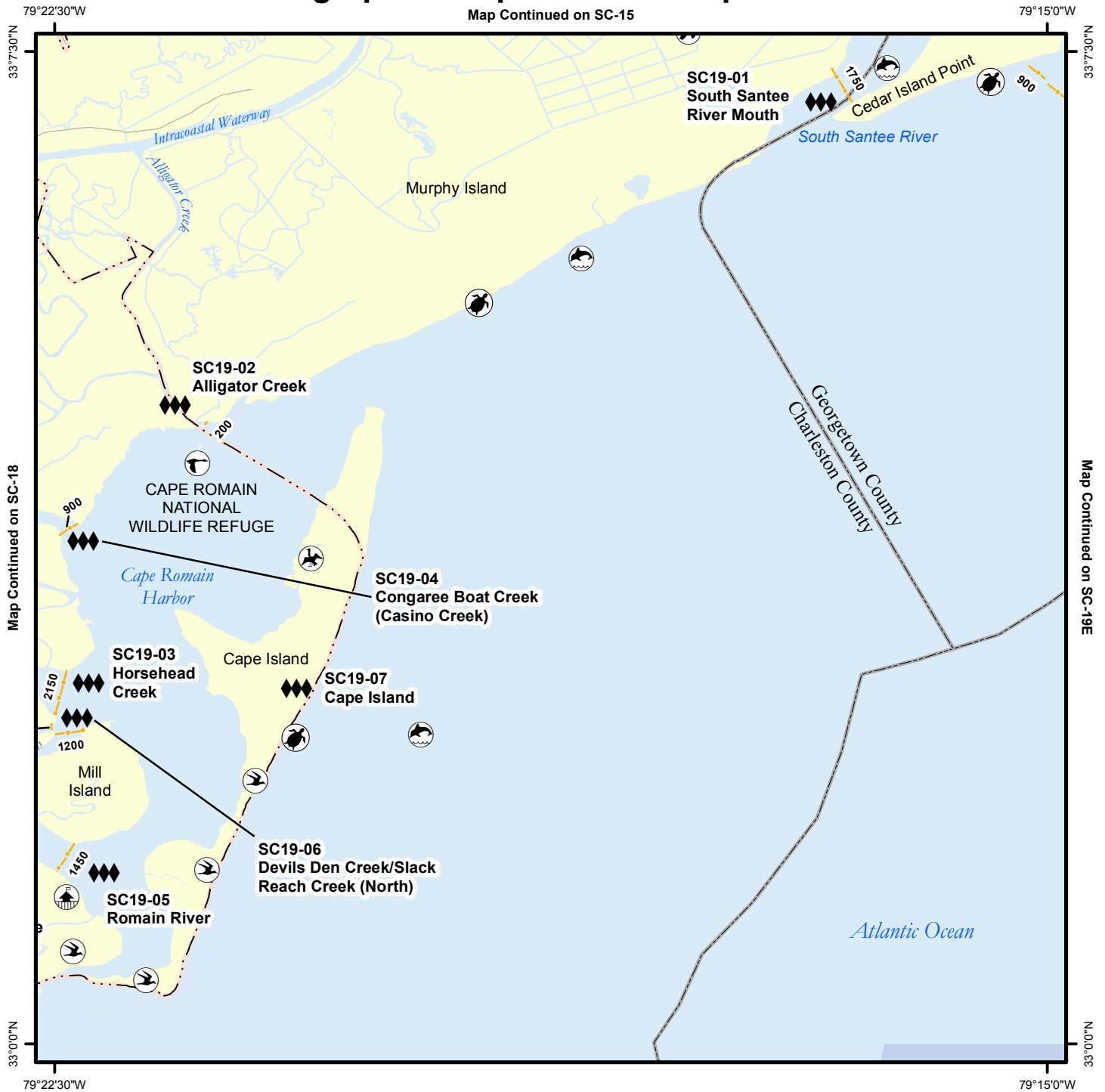


Geographic Response Plan Map: SC-19

Map Continued on SC-15



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
- Ⓢ Staging Areas
- Ⓡ Oil Spill Risk Locations
- ⓔ 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

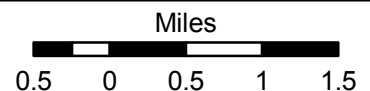
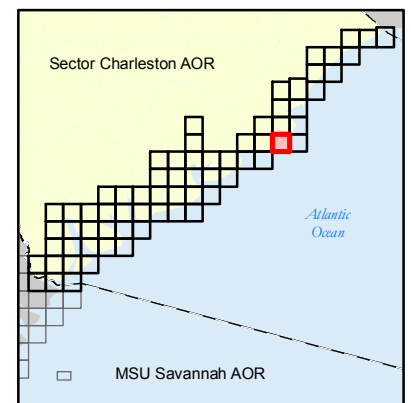
- Ⓐ Aquaculture
- ⚓ Boat Ramp
- Ⓢ Coast Guard
- Ⓢ Commercial Fishing
- Ⓢ Diving birds Nesting Area
- Ⓢ Dolphins
- Ⓢ Gull/Tern Nesting Area
- Ⓢ Historical Site
- Ⓢ Marina
- 🦅 Raptor Nesting Area
- 🎣 Recreational Fishing
- 🐢 Sea Turtles
- 🐦 Shorebird Nesting Area
- 🐦 Wading birds Nesting Area
- 💧 Water Intake
- 💧 Water Quality
- 🦆 Waterfowl Management Area
- 🐋 Whales
- 🦋 Wildlife Management Area/Refuge



US Coast Guard
Sector Charleston



Fish and Wildlife
Research Institute



Name: South Santee River Mouth

Site ID:

SC19-01

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 33° 7' 11.376" N

Longitude (DMS): 79° 16' 37.837"

County: Charleston

Latitude (DD): 33.11982672

Longitude (DD): -79.27717688

SCAT Division: Charleston County Division 1

ESI Map: SC - 19

ESI Name: Cape Romain, SC

NOAA Chart: 11532_1

CHART Name: WINYAH BAY

USGS Quad: 33079-A3

QUAD Name: Cape Romain

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: Salt and brackish water marshes, freshwater marshes (herbaceous vegetation), exposed tidal flats

Wildlife: Black & Surf scoter, Bufflehead, Common goldeneye, Oldsquaw, Black duck, Clapper rail, shorebirds, wading birds, Am. wigeon, Blue & Green-winged teal, Canvasback, Gadwall, Greater & Lesser scaup, Mallard, Mottled duck, Northern pintail, Redhead, diving birds, Gulls, Terns, various fish species, Bottlenose dolphin, Loggerhead sea turtle, Am. alligator, Am. oyster, Blue crab, Penaeid shrimp, Beaver, Mink, Northern raccoon, Penaeid shrimp

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Robert E. Ashley Boat Ramp (McClellanville)

Collection Points:

Area Access:

Spill Risk:

Response Resources:

PROTECTION STRATEGY INFORMATION

Tidal Range (FT):

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT): 1750

Boom Type:

Booming Method: Protection/Exclusion

Protection Strategy: 1750' protection boom at mouth of South Santee River



Name: Alligator Creek

Site ID:

SC19-02

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 33° 4' 41.237" N

Longitude (DMS): 79° 21' 21.761"

County: Charleston

Latitude (DD): 33.07812139

Longitude (DD): -79.35604464

SCAT Division: Charleston County Division 1

ESI Map: SC - 19

ESI Name: Cape Romain, SC

NOAA Chart: 11534_8

CHART Name: MYRTLE GROVE SOUND AND CAPE FEAR RIVER TO CASINO CREEK

USGS Quad: 33079-A3

QUAD Name: Cape Romain

Managed Area (if applicable): Cape Romain National Wildlife Refuge

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, fine-grained sand beaches

Habitat: Highly sensitive salt and brackish water marshes

Wildlife: Black & Surf scoter, Bufflehead, Common goldeneye, Oldsquaw, Black & Wood duck, Clapper rail, shorebirds, wading birds, American wigeon, Blue & Green-winged teal, Canvasback, Gadwall, Greater & Lesser scaup, Mallard, Mottled duck, Northern pintail, Northern shoveler, Redhead, Ring-necked & Ruddy duck, Snow goose, Bottlenose dolphin, Amer. alligator, Loggerhead sea turtle, Amer. oyster, Blue crab, Penaeid shrimp, Quahog spp. (hard clam), various fish species

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Robert E. Ashley Boat Ramp (McClellanville)

Collection Points:

Area Access:

Spill Risk:

Response Resources:

PROTECTION STRATEGY INFORMATION

Tidal Range (FT):

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT): 200

Boom Type:

Booming Method: Protection/Exclusion

Protection Strategy: 200' Barrier Boom to Protect Creek



Name: Horsehead Creek

Site ID:

SC19-03

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 33° 2' 39.348" N

Longitude (DMS): 79° 22' 28.511"

County: Charleston

Latitude (DD): 33.04426327

Longitude (DD): -79.37458637

SCAT Division: Charleston County Division 1

ESI Map: SC - 19

ESI Name: Cape Romain, SC

NOAA Chart: 11531_1

CHART Name: WINYAH BAY TO BULLS BAY

USGS Quad: 33079-A3

QUAD Name: Cape Romain

Managed Area (if applicable): Cape Romain National Wildlife Refuge

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

Habitat: Highly sensitive salt and brackish water marshes

Wildlife: Diving birds, shorebirds, waterfowl, wading birds, Atl. croaker, Atl. menhaden, Atl. sharpnose shark, Atl. stingray, Black & Red drum, Mummichog, Seatrout, Southern & Summer flounder, Spot, Spotted Seatrout, Striped mullet, Atl. sturgeon, Herring & shad, Shortnose sturgeon, American alligator, American oyster, Blue crab, Penaeid shrimp, Beaver, Mink, Northern raccoon, River otter

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Robert E. Ashley Boat Ramp (McClellanville)

Collection Points:

Area Access:

Spill Risk:

Response Resources:

PROTECTION STRATEGY INFORMATION

Tidal Range (FT):

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT): 2150

Boom Type:

Booming Method: Protection/Exclusion

Protection Strategy: 2150' boom across creek mouth



Name: Congaree Boat Creek (Casino Creek)

Site ID:

SC19-04

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 33° 3' 54.064" N

Longitude (DMS): 79° 22' 25.128"

County: Charleston

Latitude (DD): 33.06501788

Longitude (DD): -79.37364660

SCAT Division: Charleston County Division 1

ESI Map: SC - 19

ESI Name: Cape Romain, SC

NOAA Chart: 11531_1

CHART Name: WINYAH BAY TO BULLS BAY

USGS Quad: 33079-A3

QUAD Name: Cape Romain

Managed Area (if applicable): Cape Romain National Wildlife Refuge

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: Highly sensitive salt and brackish water marshes

Wildlife: Wading birds, diving birds, shorebirds, waterfowl, Atl. croaker, Atl. menhaden, Atl. sharpnose shark, Atl. stingray, Black & Red drum, Mummichog, Seatrout, Southern & Summer flounder, Spot, Spotted seatrout, Striped mullet, Atl. sturgeon, Herring & Shad, Shortnose sturgeon, American oyster, Blue crab, Penaeid shrimp, American alligator, Beaver, Mink, Northern raccoon, River otter

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Robert E. Ashley Boat Ramp (McClellanville)

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' Barrier Boom to Protect Creek



GRP - Oil Spill Sensitive Site Report for Sector : Charleston**GRP Map #****SC-19****Name:** Romain River**Site ID:****SC19-05****Protection Priority (Season):****Spring:** **Summer:** **Fall:** **Winter:** **Site Description:****GEOSPATIAL INFORMATION****Latitude (DMS):** 33° 1' 23.055" N**Longitude (DMS):** 79° 22' 19.131"**County:** Charleston**Latitude (DD):** 33.02307083**Longitude (DD):** -79.37198079**SCAT Division:** Charleston County Division 1**ESI Map:** SC - 19**ESI Name:** Cape Romain, SC**NOAA Chart:** 11531_1**CHART Name:** WINYAH BAY TO BULLS BAY**USGS Quad:** 33079-A3**QUAD Name:** Cape Romain**Managed Area (if applicable):** Cape Romain National Wildlife Refuge**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 (muddy)**Habitat:** Highly sensitive salt and brackish water marshes**Wildlife:** Waterfowl, Gulls & Terns, 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, Atl. sturgeon, Herring & shad, Shortnose sturgeon, American oyster, Blue crab, Penaeid shrimp, American alligator, Beaver, Mink, Northern raccoon, River otter**Threaten/Endangered Species:** Least tern, Shortnose sturgeon, possible West Indian manatee**Socio-Economic Resources:****RESPONSE CONSIDERATIONS****Staging Area:** Robert E. Ashley Boat Ramp (McClellanville)**Collection Points:****Area Access:****Spill Risk:****Response Resources:****PROTECTION STRATEGY INFORMATION****Tidal Range (FT):****Average Current (KTS):****Ease of Protection:****Min. Boom Length (FT):** 1500**Boom Type:****Booming Method:** Protection/Exclusion**Protection Strategy:** 1500' boom across mouth of Romain River

Name: Devils Den Creek/Slack Reach Creek (North)

Site ID:

SC19-06

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 33° 2' 22.831" N

Longitude (DMS): 79° 22' 27.930"

County: Charleston

Latitude (DD): 33.03967520

Longitude (DD): -79.37442505

SCAT Division: Charleston County Division 1

ESI Map: SC - 19

ESI Name: Cape Romain, SC

NOAA Chart: 11531_1

CHART Name: WINYAH BAY TO BULLS BAY

USGS Quad: 33079-A3

QUAD Name: Cape Romain

Managed Area (if applicable): Cape Romain National Wildlife Refuge

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

Habitat: Highly sensitive salt and brackish water marshes

Wildlife: Diving birds, shorebirds, waterfowl, wading birds, Atl. croaker, Atl. menhaden, Atl. sharpnose shark, Atl. stingray, Black & Red drum, Mummichog, Seatrout, Southern & Summer flounder, Spot, Spotted Seatrout, Striped mullet, Atl. sturgeon, Herring & shad, Shortnose sturgeon, American alligator, American oyster, Blue crab, Penaeid shrimp, Beaver, Mink, Northern raccoon, River otter

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Robert E. Ashley Boat Ramp (McClellanville)

Collection Points:

Area Access:

Spill Risk:

Response Resources:

PROTECTION STRATEGY INFORMATION

Tidal Range (FT):

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT): 1500

Boom Type:

Booming Method: Protection/Exclusion

Protection Strategy: 300' Barrier Boom to Protect Devils Den Creek; 1200' barrier boom to protect Slack Reach



GRP - Oil Spill Sensitive Site Report for Sector : Charleston**GRP Map #****SC-19****Name:** Cape Island**Site ID:****SC19-07****Protection Priority (Season):** Spring: Summer: Fall: Winter: **Site Description:** Turtle Nesting Beach - Wildlife Refuge area**GEOSPATIAL INFORMATION****Latitude (DMS):** 33° 2' 40.859" N**Longitude (DMS):** 79° 20' 42.109"**County:** Charleston**Latitude (DD):** 33.04468300**Longitude (DD):** -79.34503029**SCAT Division:** Charleston County Division 1**ESI Map:** SC - 19**ESI Name:** Cape Romain, SC**NOAA Chart:** 11531_1**CHART Name:** WINYAH BAY TO BULLS BAY**USGS Quad:** 33079-A3**QUAD Name:** Cape Romain**Managed Area (if applicable):****General Location:****CONTACT INFORMATION****Contacts:** SCDNR (Coordinator) 843-953-9016**RESOURCES AT RISK INFORMATION****Shoreline Type:** Medium to coarse grained sand beaches**Habitat:****Wildlife:** Black & Surf scoter, Bufflehead, Common goldeneye, Oldsquaw, Amer. oystercatcher, Black-bellied & Semipalmated plover, Dowitcher, Brown pelican, Double-crested cormorant, Dunlin, Marbled godwit, Peep, Red knot, Willet, Least tern, Bluefish, FL pompano, Gulf & Southern kingfish, rays, Red drum, sharks, skates, Spiny dogfish, Bottlenose dolphin, Loggerhead sea turtle**Threaten/Endangered Species:** Loggerhead sea turtle, Least tern**Socio-Economic Resources:** Oyster Aquaculture in vicinity**RESPONSE CONSIDERATIONS****Staging Area:** 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:** Boom not practical