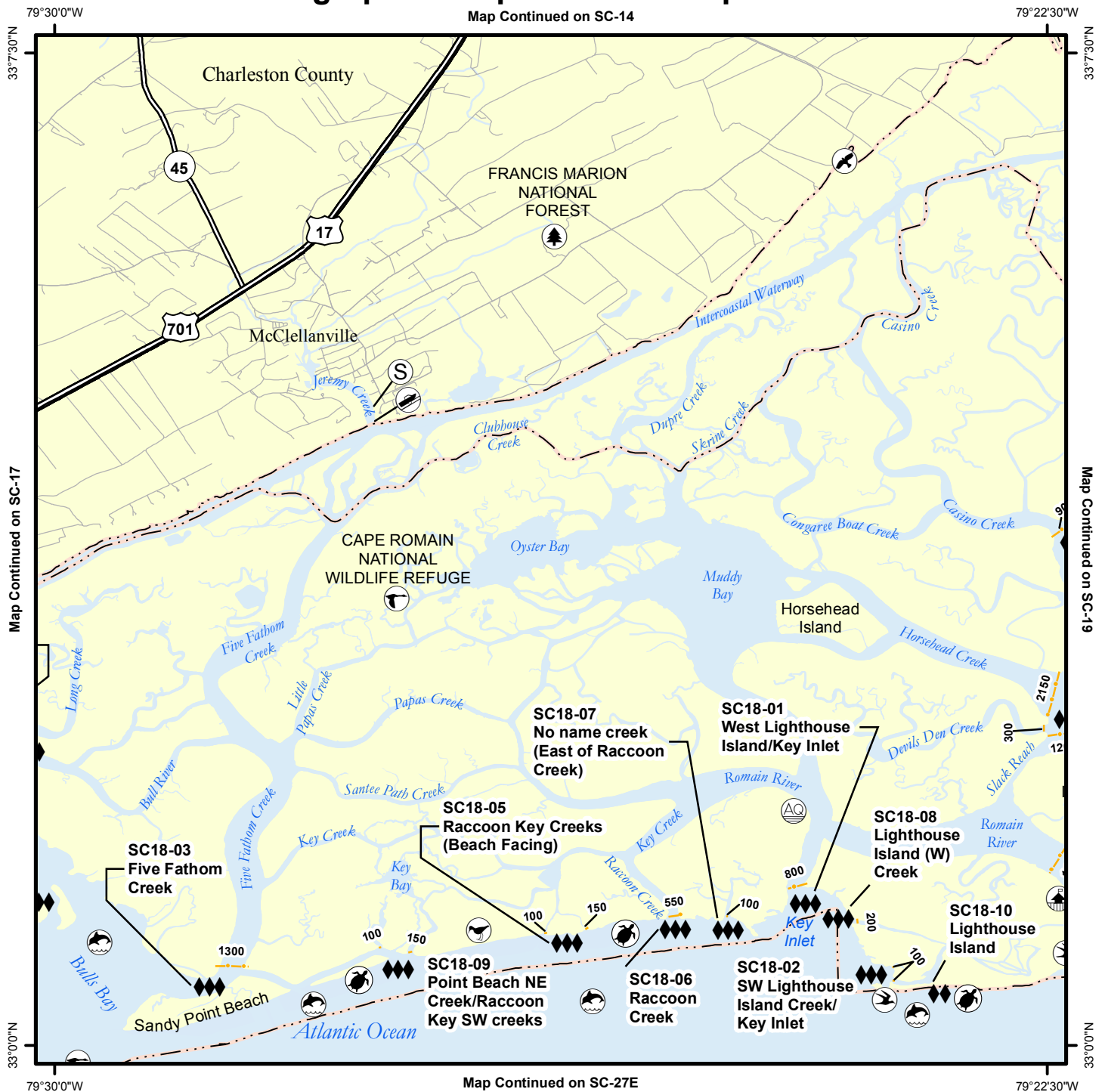


Geographic Response Plan Map: SC-18

Map Continued on SC-14



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

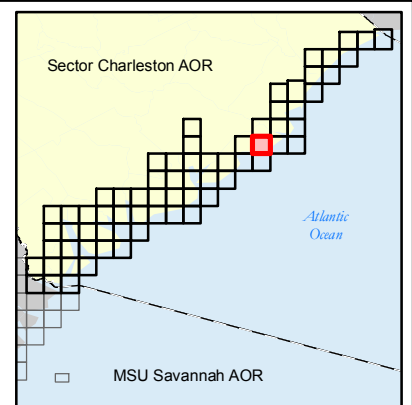
- (AQ) Aquaculture
- Boat Ramp
- Coast Guard
- Commercial Fishing
- Diving birds Nesting Area
- Dolphins
- Gull/Tern Nesting Area
- Historical Site
- Manatees
- Marina
- Raptor Nesting Area
- Recreational Fishing
- Sea Turtles
- Shorebird Nesting Area
- Wading birds Nesting Area
- Water Intake
- Water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



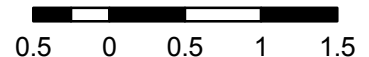
US Coast Guard
Sector Charleston



Fish and Wildlife
Research Institute



Miles



Name: West Lighthouse Island/ Key Inlet

Site ID:

SC18-01

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 33° 1' 17.519" N

Longitude (DMS): 79° 24' 21.438"

County: Charleston

Latitude (DD): 33.02153305

Longitude (DD): -79.40595490

SCAT Division: Charleston County Division 1

ESI Map: SC - 18

ESI Name: McClellanville, SC

NOAA Chart: 11531_1

CHART Name: WINYAH BAY TO BULLS BAY

USGS Quad: 33079-A4

QUAD Name: McClellanville

Managed Area (if applicable): Aquaculture farming; SC Seafood Aquaculture (clam pens) 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, SC Seafood Aquaculture (clam pens)

Wildlife: Black & Surf scoter, Bufflehead, Common goldeneye, Black duck, Clapper rail, shorebirds, wading birds, Atl. croaker, Atl. menhaden, Atl. sharpnose shark, Atl. stingray, Black & Red drum, Mummichog, Seatrout, Southern & Summer flounder, Spotted seatrout, Spot, Striped mullet, Blacktip shark, Bluefish, Crevalle jack, rays, sharks, Spanish mackerel, Tarpon, Bottlenose dolphin, American oyster, 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: 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): 800

Boom Type:

Booming Method: Protection/Exclusion

Protection Strategy: 800' Barrier Boom to Protect Creek



Name: SW Lighthouse Island Creek/ Key Inlet

Site ID:

SC18-02

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 33° 0' 38.319" N

Longitude (DMS): 79° 23' 55.918"

County: Charleston

Latitude (DD): 33.01064414

Longitude (DD): -79.39886609

SCAT Division: Charleston County Division 1

ESI Map: SC - 18

ESI Name: McClellanville, SC

NOAA Chart: 11531_1

CHART Name: WINYAH BAY TO BULLS BAY

USGS Quad: 33079-A4

QUAD Name: McClellanville

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: Exposed tidal flats, salt and brackish water marshes

Habitat: Exposed tidal flats, Highly sensitive salt and brackish water marshes

Wildlife: Wading birds, Black & Surf scoter, Bufflehead, Common goldeneye, Oldsquaw, Amer. oystercatcher, Black-bellied & Semipalmated plover, Brown pelican, Double-crested cormorant, Dowitcher, Dunlin, Marbled godwit, Peep, Red knot, Willet, Least tern, Wilson's plover, various fish species, American oyster, Blue crab, Penaeid shrimp, Loggerhead sea turtle, Bottlenose dolphin

Threaten/Endangered Species: Least tern, Wilson's plover, 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): 200

Boom Type:

Booming Method: Protection/Exclusion

Protection Strategy: 2 - 100' Barrier Boom to Protect Creeks



Name: Five Fathom Creek

Site ID:

SC18-03

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 33° 0' 37.316" N

Longitude (DMS): 79° 28' 39.926"

County: Charleston

Latitude (DD): 33.01036567

Longitude (DD): -79.47775730

SCAT Division: Charleston County Division 1

ESI Map: SC - 18

ESI Name: McClellanville, SC

NOAA Chart: 11531_1

CHART Name: WINYAH BAY TO BULLS BAY

USGS Quad: 33079-A4

QUAD Name: McClellanville

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

General Location: Mouth of Five Fathom Creek

CONTACT INFORMATION

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

RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes, mixed sand and gravel (shell) beaches, wave-cut mud platforms

Habitat: Highly sensitive salt and brackish water marshes

Wildlife: Black & Surf scoter, Bufflehead, Common goldeneye, Oldsquaw, Black duck, Clapper rail, shorebirds, wading birds, American oystercatcher, Black-bellied & Semipalmated plover, Brown pelican, Double-crested cormorant, Dowitcher, Dunlin, Peep, Red knot, Marbled godwit, Willet, Bottlenose dolphin, Loggerhead sea turtle, American oyster, Blue crab, Penaeid shrimp, Mink, Northern raccoon, River otter, various fish species

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): 1300

Boom Type:

Booming Method: Protection/Exclusion

Protection Strategy: 1300' Barrier Boom to Protect Creek



Name: Raccoon Key Creeks (Beach Facing)

Site ID:

SC18-05

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 33° 0' 53.725" N

Longitude (DMS): 79° 26' 6.854" W

County: Charleston

Latitude (DD): 33.01492363

Longitude (DD): -79.43523721

SCAT Division: Charleston County Division 1

ESI Map: SC - 18

ESI Name: McClellanville, SC

NOAA Chart: 11531_1

CHART Name: WINYAH BAY TO BULLS BAY

USGS Quad: 33079-A4

QUAD Name: McClellanville

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, mixed sand and gravel (shell) beaches, wave-cut mud platforms

Habitat: Highly sensitive salt and brackish water marshes, SC Seafood Aquaculture (clam pens)

Wildlife: Black & Surf scoter, Bufflehead, Common goldeneye, Oldsquaw, Black duck, Clapper rail, shorebirds, wading birds, Amer. oystercatcher, Black-bellied & Semipalmated plover, Brown pelican, Double-crested cormorant, Dowitcher, Dunlin, Peep, Red knot, Marbled godwit, Black skimmer, Common & Gull-billed tern, Wilson's plover, various fish species, Bottlenose dolphin, Loggerhead sea turtle, American oyster, Blue crab, Penaeid shrimp, Mink, Northern raccoon, River otter

Threaten/Endangered Species: Wilson's Plover, 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): 200

Boom Type:

Booming Method: Protection/Exclusion

Protection Strategy: 2 - 100' sections of barrier boom to protect creeks



Name: Raccoon Creek

Site ID:

SC18-06

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 33° 1' 2.706" N

Longitude (DMS): 79° 25' 19.891"

County: Charleston

Latitude (DD): 33.01741819

Longitude (DD): -79.42219194

SCAT Division: Charleston County Division 1

ESI Map: SC - 18

ESI Name: McClellanville, SC

NOAA Chart: 11531_1

CHART Name: WINYAH BAY TO BULLS BAY

USGS Quad: 33079-A4

QUAD Name: McClellanville

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, mixed sand and gravel (shell) beaches, wave-cut mud platforms, sheltered scarps in marsh/mud**Habitat:** Highly sensitive salt and brackish water marshes, exposed tidal flats, SC Seafood Aquaculture (clam pens)**Wildlife:** Black & Surf scoter, Bufflehead, Common goldeneye, Oldsquaw, Black duck, Clapper rail, shorebirds, wading birds, Amer. oystercatcher, Black-bellied & Semipalmated plover, Brown pelican, Double-crested cormorant, Dowitcher, Dunlin, Peep, Red knot, Marbled godwit, Willet, various fish species, American oyster, Blue crab, Penaeid shrimp, Mink, Northern raccoon, River otter, Bottlenose dolphin**Threaten/Endangered Species:** 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):** 550**Boom Type:****Booming Method:** Protection/Exclusion**Protection Strategy:** 550' Barrier Boom to Protect Creek

Name: No name Creek (East of Raccoon Creek)

Site ID:

SC18-07

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 33° 1' 2.999" N

Longitude (DMS): 79° 24' 54.412"

County: Charleston

Latitude (DD): 33.01749967

Longitude (DD): -79.41511441

SCAT Division: Charleston County Division 1

ESI Map: SC - 18

ESI Name: McClellanville, SC

NOAA Chart: 11531_1

CHART Name: WINYAH BAY TO BULLS BAY

USGS Quad: 33079-A4

QUAD Name: McClellanville

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, exposed tidal flats, mixed sand and gravel (shell) beaches, sheltered scarps in marsh/mud

Habitat: Highly sensitive salt and brackish water marshes; sand/gravel beaches, exposed tidal flats

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

Threaten/Endangered Species: 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): 100

Boom Type:

Booming Method: Protection/Exclusion

Protection Strategy: 100' Barrier Boom to Protect Creek



Name: Lighthouse Island (W) Creek

Site ID:

SC18-08

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 33° 0' 57.212" N

Longitude (DMS): 79° 23' 58.378"

County: Charleston

Latitude (DD): 33.01589231

Longitude (DD): -79.39954942

SCAT Division: Charleston County Division 1

ESI Map: SC - 18

ESI Name: McClellanville, SC

NOAA Chart: 11531_1

CHART Name: WINYAH BAY TO BULLS BAY

USGS Quad: 33079-A4

QUAD Name: McClellanville

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: Black & Surf scoter, Bufflehead, Common goldeneye, Black duck, Clapper rail, shorebirds, wading birds, Atl. croaker, Atl. menhaden, Atl. sharpnose shark, Atl. stingray, Black & Red drum, Mummichog, Seatrout, Southern & Summer flounder, Spotted seatrout, Spot, Striped mullet, Blacktip shark, Bluefish, Crevalle jack, rays, sharks, Spanish mackerel, Tarpon, Bottlenose dolphin, American oyster, 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: 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: Point Beach NE Creek/Raccoon Key SW creeks

Site ID:

SC18-09

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 33° 0' 41.284" N

Longitude (DMS): 79° 27' 23.030"

County: Charleston

Latitude (DD): 33.01146791

Longitude (DD): -79.45639736

SCAT Division: Charleston County Division 1

ESI Map: SC - 18

ESI Name: McClellanville, SC

NOAA Chart: 11531_1

CHART Name: WINYAH BAY TO BULLS BAY

USGS Quad: 33079-A4

QUAD Name: McClellanville

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: Gravel (shell) beaches, salt and brackish water marshes, exposed tidal flats, wave-cut mud platforms

Habitat: Highly sensitive salt and brackish water marshes

Wildlife: Black & Surf scoter, Bufflehead, Common goldeneye, Oldsquaw, Black duck, Clapper rail, shorebirds, wading birds, Amer. oystercatcher, Black-bellied & Semipalmated plover, Brown pelican, Double-crested cormorant, Dowitcher, Dunlin, Peep, Red knot, Marbled godwit, Willet, Black skimmer, Common & Gull-billed tern, Least tern, various fish species, American oyster, Blue crab, Penaeid shrimp, Quahog spp. (hard clam), Bottlenose dolphin, Loggerhead sea turtle, Mink, Northern raccoon, River otter

Threaten/Endangered Species: Wilson's Plover, Loggerhead sea turtle, Least tern, 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): 300

Boom Type:

Booming Method: Protection/Exclusion

Protection Strategy: 2 - 150' Barrier Boom sections to Protect Creeks



Name: Lighthouse Island

Site ID:

SC18-10

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

Site Description: Turtle Nesting Beach - Wildlife Refuge area

GEOSPATIAL INFORMATION

Latitude (DMS): 33° 0' 31.042" N

Longitude (DMS): 79° 23' 24.953"

County: Charleston

Latitude (DD): 33.00862290

Longitude (DD): -79.39026469

SCAT Division: Charleston County Division 1

ESI Map: SC - 18

ESI Name: McClellanville, SC

NOAA Chart: 11531_1

CHART Name: WINYAH BAY TO BULLS BAY

USGS Quad: 33079-A4

QUAD Name: McClellanville

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SCDNR (Coordinator) 843-953-9016

RESOURCES AT RISK INFORMATION

Shoreline Type: Mixed sand and gravel (shell) beaches

Habitat:

Wildlife: Black & Surf scoter, Bufflehead, Common goldeneye, Oldsquaw, wading birds, Least tern, Wilson's plover, 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, Wilson's plover

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

