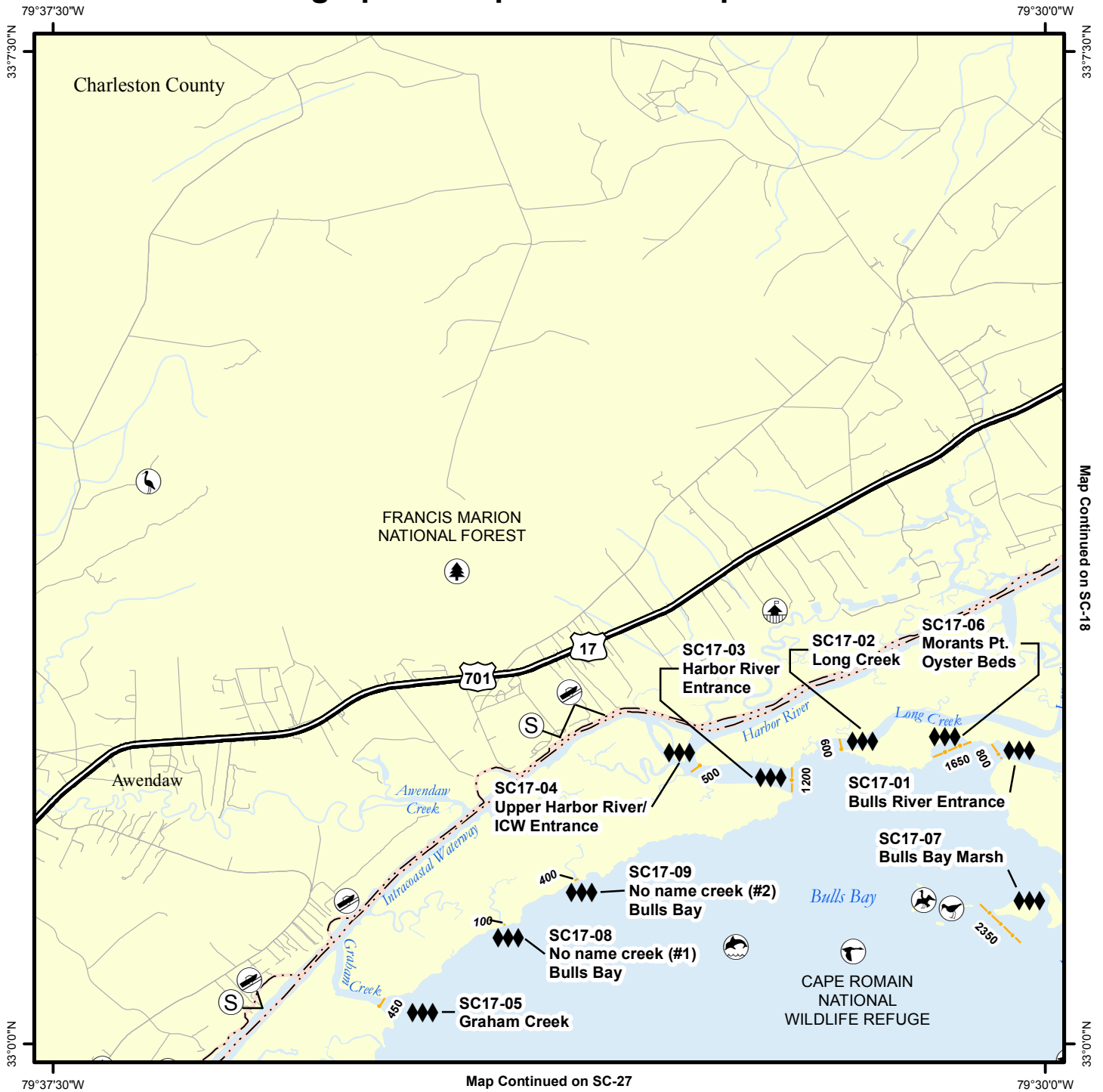


Geographic Response Plan Map: SC-17



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

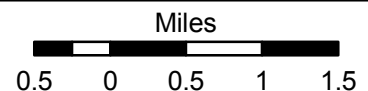
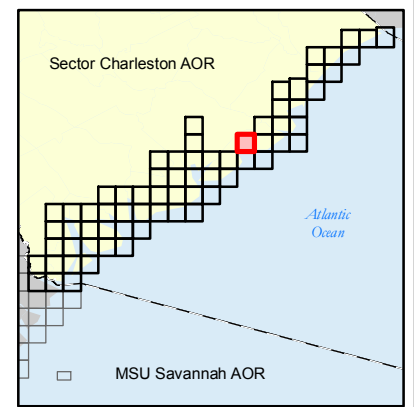
- (AQ) Aquaculture
- (BR) Boat Ramp
- (CG) Coast Guard
- (CF) Commercial Fishing
- (DBN) Diving birds Nesting Area
- (DOL) Dolphins
- (GNTN) Gull/Tern Nesting Area
- (HS) Historical Site
- (MAN) Manatees
- (MAR) Marina
- (RNA) Raptor Nesting Area
- (RF) Recreational Fishing
- (ST) Sea Turtles
- (SNA) 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



GRP - Oil Spill Sensitive Site Report for Sector : Charleston**GRP Map #****SC-17****Name:** Bulls River Entrance**Site ID:****SC17-01****Protection Priority (Season):** Spring: Summer: Fall: Winter: **Site Description:****GEOSPATIAL INFORMATION****Latitude (DMS):** 33° 2' 13.503" N**Longitude (DMS):** 79° 30' 19.125"**County:** Charleston**Latitude (DD):** 33.03708422**Longitude (DD):** -79.50531243**SCAT Division:** Charleston County Division 1**ESI Map:** SC - 17**ESI Name:** Awendaw, SC**NOAA Chart:** 11518_1**CHART Name:** ICW CASINO CREEK TO BEAUFORT RIVER SIDE A**USGS Quad:** 33079-A5**QUAD Name:** Awendaw**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**Habitat:** Highly sensitive salt and brackish water marshes, sheltered tidal flats/ oyster beds**Wildlife:** 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, Bottlenose dolphin, Beaver, 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); Awendow Creek Boat Ramp/Buck Hall 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):** 800**Boom Type:****Booming Method:** Protection/Exclusion**Protection Strategy:** 800' barrier boom to protect River

GRP - Oil Spill Sensitive Site Report for Sector : Charleston**GRP Map #****SC-17****Name:** Long Creek**Site ID:****SC17-02****Protection Priority (Season):****Spring:****Summer:****Fall:****Winter:****Site Description:****GEOSPATIAL INFORMATION****Latitude (DMS):** 33° 2' 16.172" N**Longitude (DMS):** 79° 31' 31.878"**County:** Charleston**Latitude (DD):** 33.03782545**Longitude (DD):** -79.52552160**SCAT Division:** Charleston County Division 1**ESI Map:** SC - 17**ESI Name:** Awendaw, SC**NOAA Chart:** 11518_1**CHART Name:** ICW CASINO CREEK TO BEAUFORT RIVER SIDE A**USGS Quad:** 33079-A5**QUAD Name:** Awendaw**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**Habitat:** Highly sensitive salt and brackish water marshes, sheltered tidal flats/oyster beds**Wildlife:** Black duck, Clapper rail, Shorebirds, Wading birds, Atl. menhaden, Atl. sharpnose shark, Blacktip shark, Bluefish, Crevalle jack, rays, Seatrout, sharks, Southern flounder, Spanish mackerel, Tarpon, Red drum, Spot, Spotted seatrout, Striped mullet, Mink, American oyster, Bottlenose dolphin, Beaver, 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); Awendow Creek Boat Ramp/Buck Hall 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):** 600**Boom Type:****Booming Method:** Protection/Exclusion**Protection Strategy:** 600' Barrier boom to protect creek

GRP - Oil Spill Sensitive Site Report for Sector : Charleston**GRP Map #****SC-17****Name:** Harbor River Entrance**Site ID:****SC17-03****Protection Priority (Season):** Spring: Summer: Fall: Winter: **Site Description:****GEOSPATIAL INFORMATION****Latitude (DMS):** 33° 2' 1.239" N**Longitude (DMS):** 79° 31' 58.927"**County:** Charleston**Latitude (DD):** 33.03367760**Longitude (DD):** -79.53303514**SCAT Division:** Charleston County Division 1**ESI Map:** SC - 17**ESI Name:** Awendaw, SC**NOAA Chart:** 11518_1**CHART Name:** ICW CASINO CREEK TO BEAUFORT RIVER SIDE A**USGS Quad:** 33079-A5**QUAD Name:** Awendaw**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 duck, Clapper rail, shorebirds, wading birds, Atl. menhaden, Atl. sharpnose shark, Blacktip shark, Bluefish, Crevalle jack, rays, Seatrout (weakfish), sharks, Southern flounder, Spanish mackerel, Tarpon, American oyster, Bottlenose dolphin, Beaver, 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); Awendow Creek Boat Ramp/Buck Hall 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:** 1200' Barrier boom to protect river

Name: Upper Harbor River/ICW Entrance

Site ID:

SC17-04

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 33° 2' 6.212" N

Longitude (DMS): 79° 32' 41.521"

County: Charleston

Latitude (DD): 33.03505878

Longitude (DD): -79.54486701

SCAT Division: Charleston County Division 1

ESI Map: SC - 17

ESI Name: Awendaw, SC

NOAA Chart: 11518_1

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 33079-A5

QUAD Name: Awendaw

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, sheltered scarps in marsh/mud, mixed sand and gravel (shell) beaches, sheltered solid man-made structures, exposed tidal flats**Habitat:** Highly sensitive salt and brackish water marshes, sheltered tidal flats/ oyster beds**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, Striped mullet, American oyster, Blue crab, Penaeid shrimp, Beaver, 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); Awendaw Creek Boat Ramp/Buck Hall 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):** 500**Boom Type:****Booming Method:** Protection/Exclusion**Protection Strategy:** 500' Barrier boom to protect ICW entrance; small creek

GRP - Oil Spill Sensitive Site Report for Sector : Charleston**GRP Map #****SC-17****Name:** Graham Creek**Site ID:****SC17-05****Protection Priority (Season):** Spring: Summer: Fall: Winter: **Site Description:****GEOSPATIAL INFORMATION****Latitude (DMS):** 33° 0' 16.169" N**Longitude (DMS):** 79° 34' 52.355"**County:** Charleston**Latitude (DD):** 33.00449126**Longitude (DD):** -79.58120975**SCAT Division:** Charleston County Division 1**ESI Map:** SC - 17**ESI Name:** Awendaw, SC**NOAA Chart:** 11518_1**CHART Name:** ICW CASINO CREEK TO BEAUFORT RIVER SIDE A**USGS Quad:** 33079-A5**QUAD Name:** Awendaw**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**Habitat:** Highly sensitive salt and brackish water marshes, sheltered tidal flats/oyster beds**Wildlife:** 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, Blacktip shark, Bluefish, Crevalle jack, rays, sharks, Spanish mackerel, Tarpon, 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:** Awendaw Creek Boat Ramp/Buck Hall Landing; Graham 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):** 400**Boom Type:****Booming Method:** Protection/Exclusion**Protection Strategy:** 400' Barrier boom to protect Creek

Name: Morants Pt. Oyster Beds

Site ID:

SC17-06

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 33° 2' 15.753" N

Longitude (DMS): 79° 30' 44.335"

County: Charleston

Latitude (DD): 33.03770909

Longitude (DD): -79.51231529

SCAT Division: Charleston County Division 1

ESI Map: SC - 17

ESI Name: Awendaw, SC

NOAA Chart: 11518_1

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 33079-A5

QUAD Name: Awendaw

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

Habitat: Highly sensitive salt and brackish water marshes, sheltered tidal flats/ oyster beds

Wildlife: 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, Bottlenose dolphin, Beaver, 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); Awendow Creek Boat Ramp/Buck Hall 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): 1650

Boom Type:

Booming Method: Protection/Exclusion

Protection Strategy: 1650' Barrier boom to protect tidal flats



Name: Bulls Bay Marsh

Site ID:

SC17-07

Protection Priority (Season):

Spring:

A

Summer:

A

Fall:

A

Winter:

A

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 33° 1' 5.321" N

Longitude (DMS): 79° 30' 2.940" W

County: Charleston

Latitude (DD): 33.01814479

Longitude (DD): -79.50081659

SCAT Division: Charleston County Division 1

ESI Map: SC - 17

ESI Name: Awendaw, SC

NOAA Chart: 11518_1

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 33079-A5

QUAD Name: Awendaw

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, exposed tidal flats, gravel (shell) beaches

Habitat: Highly sensitive salt and brackish water marshes, exposed tidal flats, sheltered tidal flats/oyster beds

Wildlife: Wading birds, American oystercatcher, Black-bellied plover, Brown pelican, Double-crested cormorant, Dowitcher, Dunlin, Marbled godwit, Peep, Red knot, Semipalmated plover, Willet, Glossy ibis, Gull-billed tern, Laughing gull, Royal & Sandwich tern, Spot, Snowy egret, Tricolored heron, American oyster, Bottlenose dolphin, Atl. menhaden, Atl. sharpnose shark, Blacktip shark, Bluefish, Crevalle jack, rays, Seatrout, sharks, So. flounder, Spanish mackerel, Tarpon, Red drum, Spotted seatrout, Striped mullet

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Robert E. Ashley Boat Ramp (McClellanville); Awendaw Creek Boat Ramp/Buck Hall 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): 5000

Boom Type:

Booming Method: Deflection

Protection Strategy: 5,000' Diversion boom to divert/ protect Bulls Bay Marsh (Islands). Consider open water recovery collection/recovery.



Name: No name creek (#1) Bulls Bay

Site ID:

SC17-08

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 33° 0' 52.090" N

Longitude (DMS): 79° 34' 4.055" W

County: Charleston

Latitude (DD): 33.01446942

Longitude (DD): -79.56779296

SCAT Division: Charleston County Division 1

ESI Map: SC - 17

ESI Name: Awendaw, SC

NOAA Chart: 11518_1

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 33079-A5

QUAD Name: Awendaw

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, sheltered tidal flats/oyster beds

Wildlife: 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, Blacktip shark, Bluefish, Crevalle jack, rays, sharks, Spanish mackerel, Tarpon, 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: Awendow Creek Boat Ramp/Buck Hall 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): 100

Boom Type:

Booming Method: Protection/Exclusion

Protection Strategy: 100' Barrier Boom to Protect Creek



Name: No name creek (#2) Bulls Bay

Site ID:

SC17-09

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 33° 1' 14.777" N

Longitude (DMS): 79° 33' 32.657"

County: Charleston

Latitude (DD): 33.02077133

Longitude (DD): -79.55907137

SCAT Division: Charleston County Division 1

ESI Map: SC - 17

ESI Name: Awendaw, SC

NOAA Chart: 11518_1

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 33079-A5

QUAD Name: Awendaw

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, sheltered tidal flats/oyster beds

Wildlife: 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, Blacktip shark, Bluefish, Crevalle jack, rays, sharks, Spanish mackerel, Tarpon, 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: Awendaw Creek Boat Ramp/Buck Hall 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): 400

Boom Type:

Booming Method: Protection/Exclusion

Protection Strategy: 400' Barrier Boom to Protect Creek

