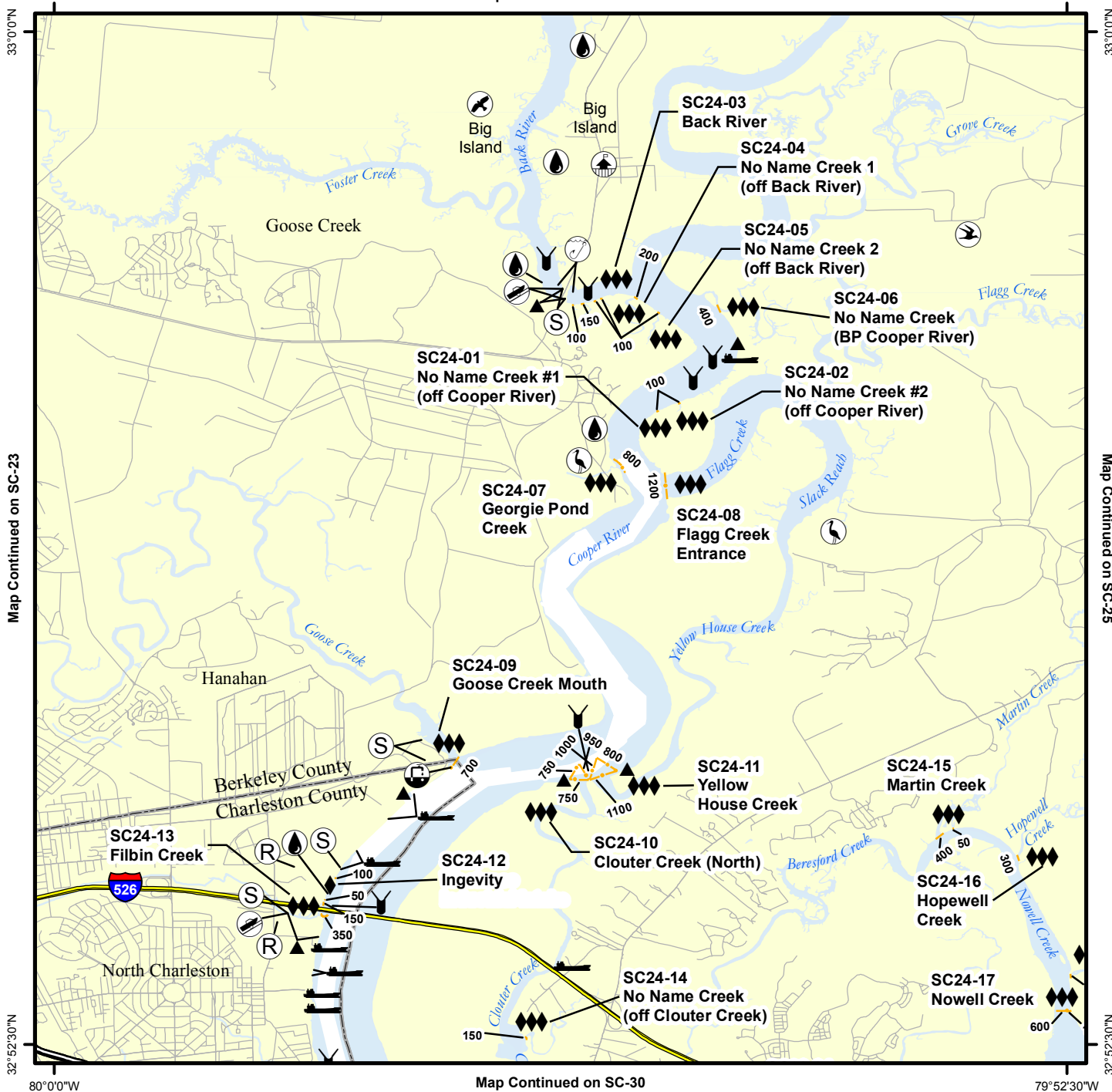


Geographic Response Plan Map: SC-24

Map Continued on SC-21

79°52'30"W

80°0'0"W



Map Continued on SC-30

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

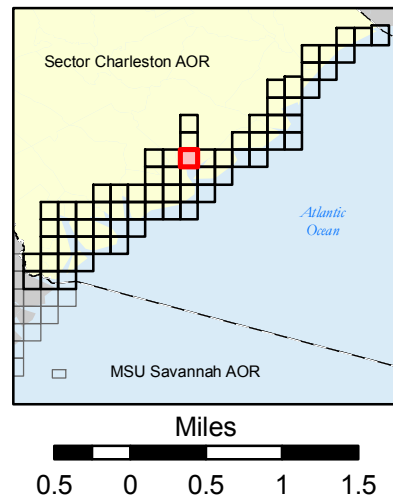
- (AQ) Aquaculture
- (BR) Boat Ramp
- (CG) Coast Guard
- (CF) Commercial Fishing
- (DBN) Diving birds Nesting Area
- (DOL) Dolphins
- (GTA) Gull/Tern Nesting Area
- (HS) Historical Site
- (MAN) Manatees
- (MAR) Marina
- (RNA) Raptor Nesting Area
- (RF) Recreational Fishing
- (ST) Sea Turtles
- (SNA)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



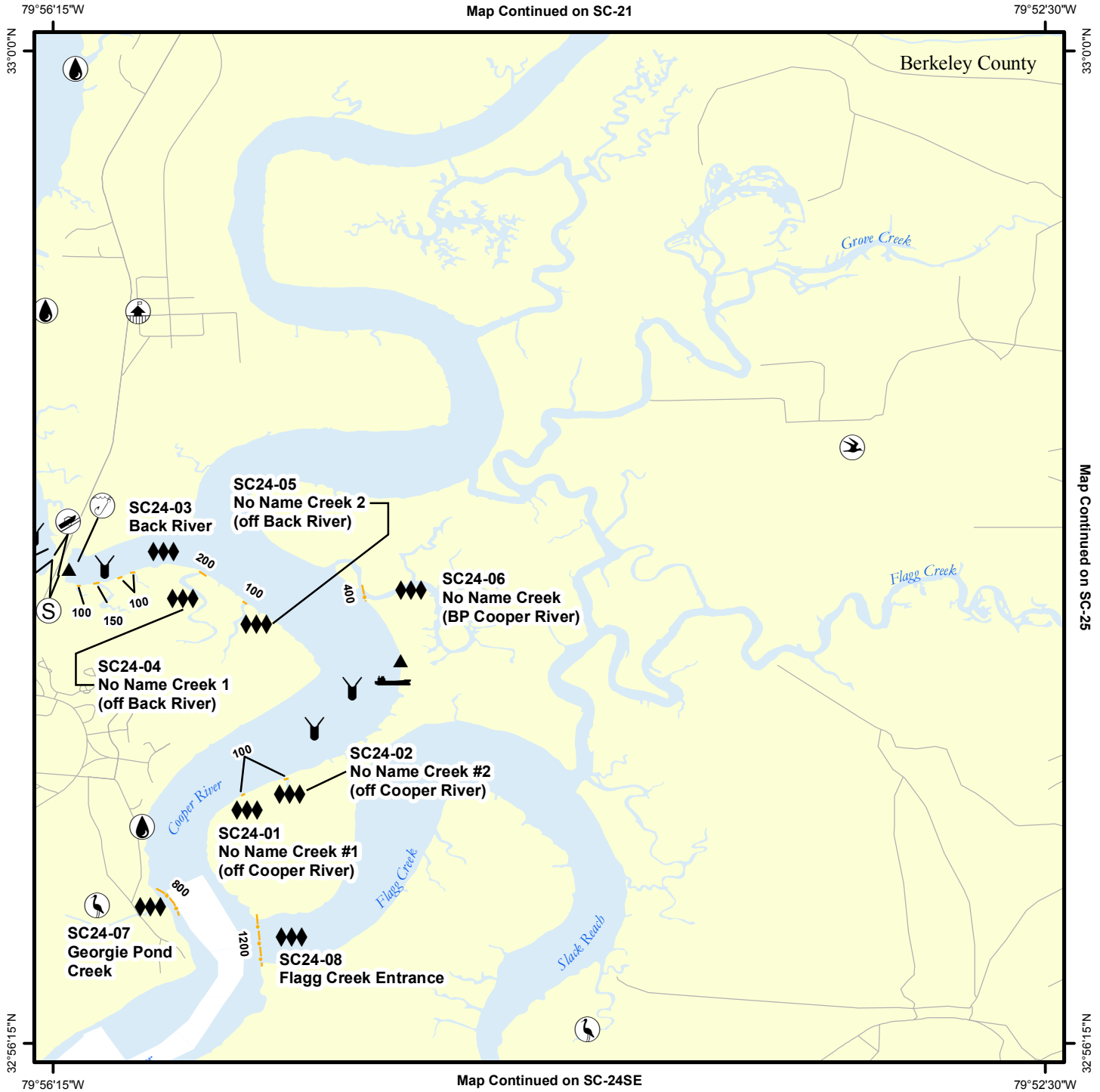
US Coast Guard
Sector Charleston



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Geographic Response Plan Map: SC-24NE



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

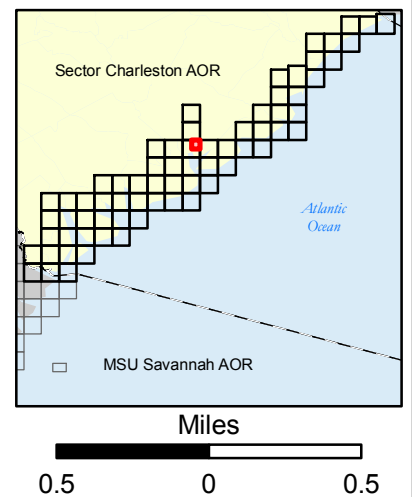
- (AQ) Aquaculture
- (BR) Boat Ramp
- (CG) Coast Guard
- (CF) Commercial Fishing
- (DBNA) Diving birds Nesting Area
- (DOL) Dolphin
- (GTA) Gull/Tern Nesting Area
- (HS) Historical Site
- (MAN) Manatee
- (MAR) Marina
- (RNA) Raptor Nesting Area
- (RF) Recreational Fishing
- (ST) Sea Turtle
- (SNA) Shorebird Nesting Area
- (WBN) Wading birds Nesting Area
- (WI) Water Intake
- (WQ) Water Quality
- (WMA) Waterfowl Management Area
- (W) Whale
- (WMA/Ref) Wildlife Management Area/Refuge



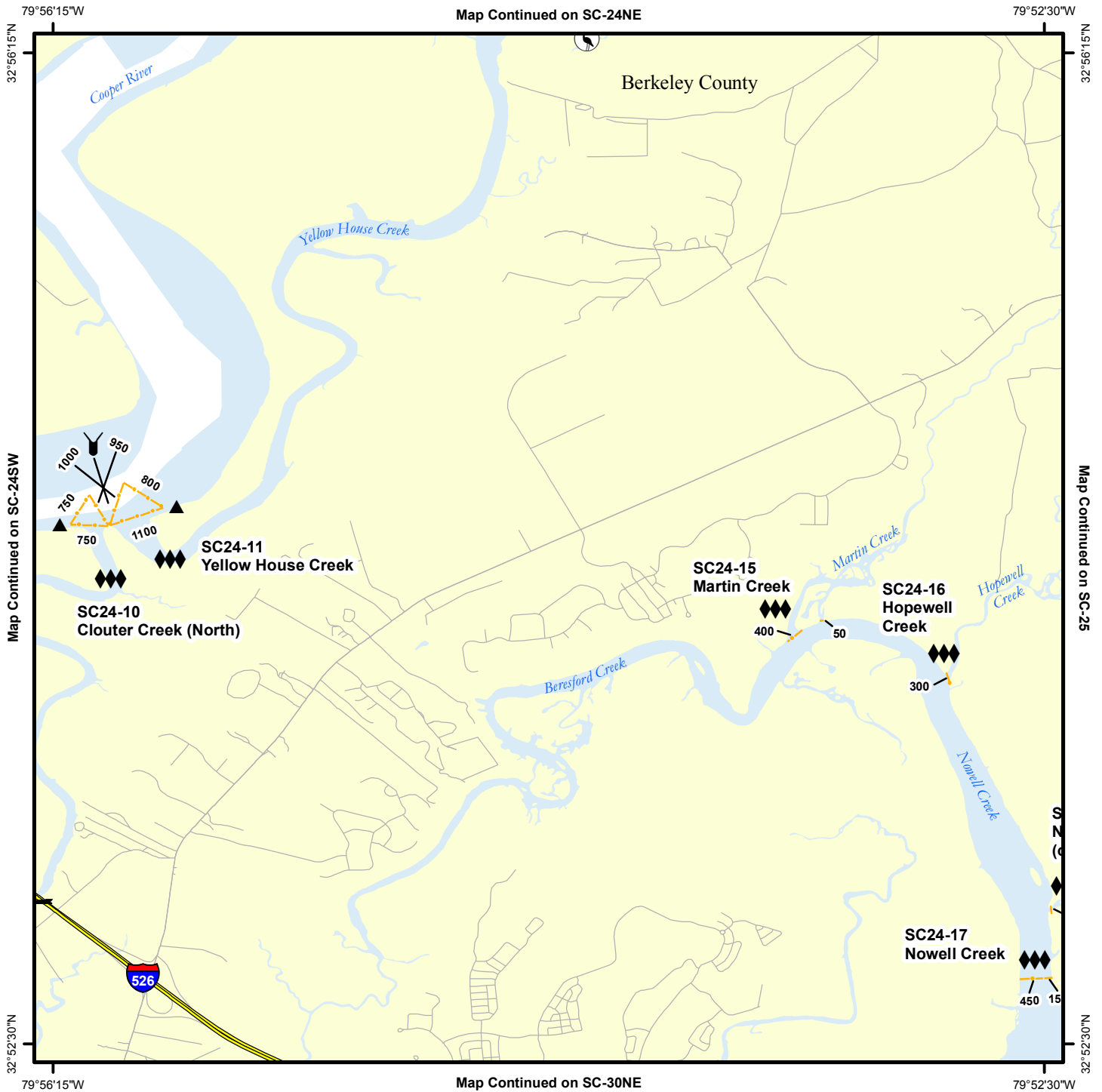
US Coast Guard
Sector Charleston



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Research Institute



Geographic Response Plan Map: SC-24SE



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

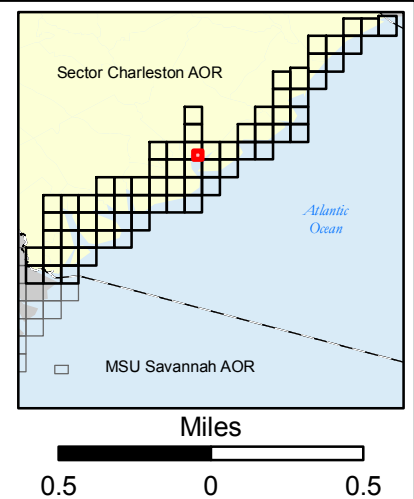
- Ⓐ Aquaculture
- ⚓ Boat Ramp
- Ⓢ Coast Guard
- Ⓢ Commercial Fishing
- Ⓢ Diving birds Nesting Area
- Ⓢ Dolphin
- Ⓢ Gull/Tern Nesting Area
- Ⓢ Historical Site
- Ⓢ Manatee
- Ⓢ Marina
- Ⓢ Raptor Nesting Area
- Ⓢ Recreational Fishing
- Ⓢ Sea Turtle
- Ⓢ Shorebird Nesting Area
- Ⓢ Wading birds Nesting Area
- Ⓢ Water Intake
- Ⓢ Water Quality
- Ⓢ Waterfowl Management Area
- Ⓢ Whale
- Ⓢ Wildlife Management Area/Refuge



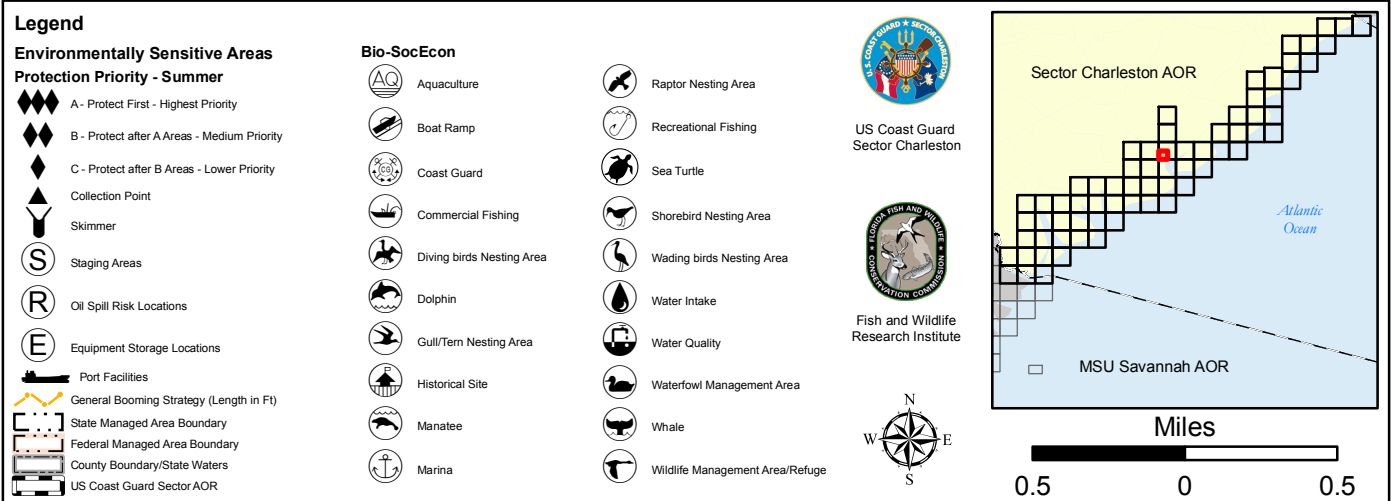
US Coast Guard
Sector Charleston



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Research Institute



Geographic Response Plan Map: SC-24SW



Name: No Name Creek #1 (off Cooper River)

Site ID:

SC24-01

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 57' 9.773" N

Longitude (DMS): 79° 55' 31.112"

County: Berkeley

Latitude (DD): 32.95271458

Longitude (DD): -79.92530872

SCAT Division: Berkeley County Division 2

ESI Map: SC - 24

ESI Name: North Charleston, SC

NOAA Chart: 11527_1

CHART Name: COOPER RIVER ABOVE GOOSE CREEK

USGS Quad: 32079-H8

QUAD Name: North Charleston

Managed Area (if applicable):

General Location: SE side of Cooper River after first bend from fork of Cooper River and Flag Creek

CONTACT INFORMATION

Contacts: SCDHEC (24hr) Emergency Oil Spills 888-481-0125; SCDNR 800-922-5431; SCDHEC (local) 843-953-0150

RESOURCES AT RISK INFORMATION

Shoreline Type: Freshwater marshes (herbaceous vegetation)

Habitat: High sensitivity freshwater marshes (herbaceous vegetation)

Wildlife: Black & Wood duck, Clapper rail, Hooded merganser, shorebirds, wading birds, American coot, American wigeon, Ring-necked duck, Atl. croaker, Atl. menhaden, Atl. sharpnose shark, Atl. stingray, Black & Red drum, Mummichog, Seatrout, Spotted seatrout, Spot, Southern & Summer flounder, Striped mullet, Atl. sturgeon, Herring & shad, Shortnose sturgeon, American oyster, Blue crab, Penaeid shrimp, American alligator, Beaver, Mink, Northern raccoon, River otter, Bottlenose dolphin, Osprey

Threaten/Endangered Species: Possible Shortnose sturgeon (SNS) habitat

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Bushy Park Boat Landing

Collection Points: 32.955439, -79.919035

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 across mouth of creek



Name: No Name Creek #2 (off Cooper River)

Site ID:

SC24-02

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 57' 13.287" N

Longitude (DMS): 79° 55' 21.453"

County: Berkeley

Latitude (DD): 32.95369078

Longitude (DD): -79.92262604

SCAT Division: Berkeley County Division 2

ESI Map: SC - 24

ESI Name: North Charleston, SC

NOAA Chart: 11527_1

CHART Name: COOPER RIVER ABOVE GOOSE CREEK

USGS Quad: 32079-H8

QUAD Name: North Charleston

Managed Area (if applicable):

General Location: SE side of Cooper River after first bend from fork of Cooper River and Flag Creek

CONTACT INFORMATION

Contacts: SCDHEC (24hr) Emergency Oil Spills 888-481-0125; SCDNR 800-922-5431; SCDHEC (local) 843-953-0150

RESOURCES AT RISK INFORMATION

Shoreline Type: Freshwater marshes (herbaceous vegetation)

Habitat: High sensitivity freshwater marshes (herbaceous vegetation)

Wildlife: Black & Wood duck, Clapper rail, Hooded merganser, shorebirds, wading birds, American coot, American wigeon, Ring-necked duck, Atl. croaker, Atl. menhaden, Atl. sharpnose shark, Atl. stingray, Black & Red drum, Mummichog, Seatrout, Spotted seatrout, Spot, Southern & Summer flounder, Striped mullet, Atl. sturgeon, Herring & shad, Shortnose sturgeon, American oyster, Blue crab, Penaeid shrimp, American alligator, Beaver, Mink, Northern raccoon, River otter, Bottlenose dolphin, Osprey

Threaten/Endangered Species: Possible Shortnose sturgeon (SNS) habitat

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Bushy Park Boat Landing

Collection Points: 32.955439, -79.919035

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 across mouth of creek



Name: Back River

Site ID:

SC24-03

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 58' 6.665" N

Longitude (DMS): 79° 55' 50.671"

County: Berkeley

Latitude (DD): 32.96851849

Longitude (DD): -79.93074191

SCAT Division: Berkeley County Division 2

ESI Map: SC - 24

ESI Name: North Charleston, SC

NOAA Chart: 11527_1

CHART Name: COOPER RIVER ABOVE GOOSE CREEK

USGS Quad: 32079-H8

QUAD Name: North Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SC Wildlife and Marine Resources Dept. 803-253-6488; BP 843-881-5251 (24 hr); NOAA - SSC (USCG District 7) 305-530-7931; DOI - Regional Environmental Officer 404-331-4524 or 215-597-5378; SCDHEC (24hr) Emergency Oil Spills 888-481-0125

RESOURCES AT RISK INFORMATION

Shoreline Type: Freshwater marshes (herbaceous vegetation)**Habitat:** High sensitivity freshwater marshes (herbaceous vegetation)

Wildlife: Common, Hooded & Red-breasted merganser, Clapper rail, Black & Wood duck, shorebirds, wading birds, Bald eagle, Osprey, Atl. croaker, Atl. menhaden, Atl. sharpnose shark, Atl. stingray, Black & Red drum, Mummichog, Southern & Summer flounder, Spot, Seatrout, 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: Possible Shortnose Sturgeon (SNS) habitat**Socio-Economic Resources:**

RESPONSE CONSIDERATIONS

Staging Area: Boat ramp at Back River dam**Collection Points:** Back River dam may be used as collection point for land and water based equipment.**Area Access:** boat/helicopter/vehicle**Spill Risk:****Response Resources:** See Appendix I to Annex F

PROTECTION STRATEGY INFORMATION

Tidal Range (FT):**Average Current (KTS):****Ease of Protection:****Min. Boom Length (FT):** 450**Boom Type:****Booming Method:** Protection/Exclusion

Protection Strategy: Protect several small creeks on the South shore of Back River using 450' of barrier boom. There is no water flow through the dam. Water intake indicated is for BP process water.



Name: No Name Creek 1 (off Back River)

Site ID:

SC24-04

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 58' 0.796" N

Longitude (DMS): 79° 55' 44.813"

County: Berkeley

Latitude (DD): 32.96688818

Longitude (DD): -79.92911472

SCAT Division: Berkeley County Division 2

ESI Map: SC - 24

ESI Name: North Charleston, SC

NOAA Chart: 11527_1

CHART Name: COOPER RIVER ABOVE GOOSE CREEK

USGS Quad: 32079-H8

QUAD Name: North Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SCDHEC (24hr) Emergency Oil Spills 888-481-0125; DOI - Regional Environmental Officer 404-331-4524 or 215-597-5378

RESOURCES AT RISK INFORMATION

Shoreline Type: Freshwater marshes (herbaceous vegetation)

Habitat: High sensitivity freshwater marshes (herbaceous vegetation)

Wildlife: Common, Hooded & Red-breasted merganser, Clapper rail, Black & Wood duck, shorebirds, wading birds, Osprey, Atl. croaker, Atl. menhaden, Atl. sharpnose shark, Atl. stingray, Black & Red drum, Mummichog, Southern & Summer flounder, Spot, Seatrout, 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: Possible Shortnose Sturgeon (SNS) habitat

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Bushy Park Boat Landing

Collection Points:

Area Access: boat/helicopter

Spill Risk:

Response Resources: See Appendix I to Annex F

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' of barrier boom across mouth of creek



Name: No Name Creek 2 (off Back River)

Site ID:

SC24-05

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 57' 53.294" N

Longitude (DMS): 79° 55' 31.738"

County: Berkeley

Latitude (DD): 32.96480425

Longitude (DD): -79.92548295

SCAT Division: Berkeley County Division 2

ESI Map: SC - 24

ESI Name: North Charleston, SC

NOAA Chart: 11527_1

CHART Name: COOPER RIVER ABOVE GOOSE CREEK

USGS Quad: 32079-H8

QUAD Name: North Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SCDHEC (24hr) Emergency Oil Spills 888-481-0125; DOI - Regional Environmental Officer 404-331-4524 or 215-597-5378

RESOURCES AT RISK INFORMATION

Shoreline Type: Freshwater marshes (herbaceous vegetation)

Habitat: High sensitivity freshwater marshes (herbaceous vegetation)

Wildlife: Common, Hooded & Red-breasted merganser, Clapper rail, Black & Wood duck, shorebirds, wading birds, Osprey, Atl. croaker, Atl. menhaden, Atl. sharpnose shark, Atl. stingray, Black & Red drum, Mummichog, Southern & Summer flounder, Spot, Seatrout, 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: Possible Shortnose Sturgeon (SNS) habitat

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Bushy Park Boat Landing

Collection Points:

Area Access: boat/helicopter

Spill Risk:

Response Resources: See Appendix I to Annex F

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' of barrier boom across mouth of creek



GRP - Oil Spill Sensitive Site Report for Sector : Charleston**GRP Map #****SC-24****Name:** No Name Creek (BP Cooper River)**Site ID:****SC24-06****Protection Priority (Season):** Spring: Summer: Fall: Winter: **Site Description:****GEOSPATIAL INFORMATION****Latitude (DMS):** 32° 57' 56.405" N**Longitude (DMS):** 79° 54' 59.525"**County:** Berkeley**Latitude (DD):** 32.96566767**Longitude (DD):** -79.91653536**SCAT Division:** Berkeley County Division 2**ESI Map:** SC - 24**ESI Name:** North Charleston, SC**NOAA Chart:** 11527_1**CHART Name:** COOPER RIVER ABOVE GOOSE CREEK**USGS Quad:** 32079-H8**QUAD Name:** North Charleston**Managed Area (if applicable):****General Location:****CONTACT INFORMATION****Contacts:** SCDHEC (24hr) Emergency Oil Spills 888-481-0125; SCDNR 800-922-5431**RESOURCES AT RISK INFORMATION****Shoreline Type:** Freshwater marshes (herbaceous vegetation)**Habitat:** High sensitivity freshwater marshes (herbaceous vegetation)**Wildlife:** Common, Hooded & Red-breasted merganser, Black & Wood duck, Clapper rail, American coot, American wigeon, Ring-necked duck, Ospreys, shorebirds, wading birds, Atl. croaker, Atl. menhaden, Atl. sharpnose shark, Atl. stingray, Black & Red drum, Spot, Mummichog, Seatrout, Southern & Summer flounder, 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:** Possible Shortnose Sturgeon (SNS) habitat**Socio-Economic Resources:****RESPONSE CONSIDERATIONS****Staging Area:** Naval Weapons Station TC dock**Collection Points:** BP Cooper River dock, Bushy Park Boat Landing**Area Access:** boat/helicopter**Spill Risk:****Response Resources:** See Appendix I to Annex F**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' of barrier boom across mouth of creek

Name: Georgie Pond Creek

Site ID:

SC24-07

Protection Priority (Season):

Spring:

A

Summer:

A

Fall:

A

Winter:

A

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 56' 45.931" N

Longitude (DMS): 79° 55' 52.366"

County: Berkeley

Latitude (DD): 32.94609158

Longitude (DD): -79.93121287

SCAT Division: Berkeley County Division 2

ESI Map: SC - 24

ESI Name: North Charleston, SC

NOAA Chart: 11527_1

CHART Name: COOPER RIVER ABOVE GOOSE CREEK

USGS Quad: 32079-H8

QUAD Name: North Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SCDHEC (24hr) Emergency Oil Spills 888-481-0125; SCDNR 800-922-5431

RESOURCES AT RISK INFORMATION

Shoreline Type: Freshwater marshes (herbaceous vegetation)

Habitat: High sensitivity freshwater marshes (herbaceous vegetation)

Wildlife: Common, Hooded & Red-breasted merganser, Black & Wood duck, Clapper rail, shorebirds, wading birds, Great blue heron, Ospreys, Atl. croaker, Atl. menhaden, Atl. sharpnose shark, Atl. stingray, Black & Red drum, Mummichog, Seatrout, Spotted seatrout, Southern & Summer flounder, Spot, 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: Possible Shortnose Sturgeon (SNS) habitat**Socio-Economic Resources:**

RESPONSE CONSIDERATIONS

Staging Area: Bushy Park Boat Landing, Southern Staging Area - Naval Weapons Station TC dock**Collection Points:****Area Access:** boat/helicopter**Spill Risk:****Response Resources:** See Appendix I to Annex F

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' of barrier boom across mouth of creek/marsh

Name: Flagg Creek Entrance

Site ID:

SC24-08

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 56' 39.019" N

Longitude (DMS): 79° 55' 21.550"

County: Berkeley

Latitude (DD): 32.94417208

Longitude (DD): -79.92265260

SCAT Division: Berkeley County Division 2

ESI Map: SC - 24

ESI Name: North Charleston, SC

NOAA Chart: 11527_1

CHART Name: COOPER RIVER ABOVE GOOSE CREEK

USGS Quad: 32079-H8

QUAD Name: North Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SCDHEC (24hr) Emergency Oil Spills 888-481-0125; SCDNR 800-922-5431

RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes, sheltered tidal flats/oyster beds, freshwater marshes (herbaceous vegetation)

Habitat: High sensitivity salt and brackish water marshes, sheltered tidal flats/oyster beds, freshwater marshes (herbaceous vegetation)

Wildlife: Common, Hooded & Red-breasted merganser, Black & Wood duck, Clapper rail, shorebirds, wading birds, American coot, American wigeon, Ring-necked duck, Ospreys, Atl. croaker, Atl. menhaden, Atl. sharpnose shark, Atl. stingray, Black & Red drum, Spot, Mummichog, Seatrout, Southern & Summer flounder, Spotted seatrout, Striped mullet, Atl. sturgeon, Herring & shad, Shortnose sturgeon, Am. oyster, Blue crab, Penaeid shrimp, America alligator, Beaver, Mink, Northern raccoon, River otter

Threaten/Endangered Species: Possible Shortnose Sturgeon (SNS) habitat

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Bushy Park Boat Landing, Naval Weapons Station TC dock

Collection Points:

Area Access: boat/helicopter

Spill Risk:

Response Resources: See Appendix I to Annex F

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' of barrier boom across mouth of creek



Name: Goose Creek Mouth

Site ID:

SC24-09

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 54' 41.997" N

Longitude (DMS): 79° 57' 5.548" W

County: Berkeley

Latitude (DD): 32.91166632

Longitude (DD): -79.95154132

SCAT Division: Berkeley County Division 2

ESI Map: SC - 24

ESI Name: North Charleston, SC

NOAA Chart: 11524_1

CHART Name: CHARLESTON HARBOR

USGS Quad: 32079-H8

QUAD Name: North Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: Naval Weapons Station 843-963-1110; SCDHEC (24hr) Emergency Oil Spills 888-481-0125; SCDNR 800-922-5431

RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes, scarps and steep slopes in sand, sheltered scarps in marsh/mud, sheltered solid man-made structures**Habitat:** High sensitivity salt and brackish water marshes with some lower sensitivity shoreline because of Naval Weapons Stations/operations.**Wildlife:** Black & Wood duck, Clapper rail, Hooded merganser, shorebirds, wading birds, Osprey, Bottlenose dolphin, Atl. croaker, Atl. menhaden, Atl. sharpnose shark, Atl. stingray, Black & Red drum, Mummichog, Seatrout, Southern & Summer flounder, Spotted seatrout, Spot, Striped mullet, Atl. sturgeon, Herring & shad, Shortnose sturgeon, American oyster, Blue crab, Penaeid shrimp, Beaver, Mink, Northern raccoon, River otter**Threaten/Endangered Species:** Possible Shortnose Sturgeon (SNS) habitat**Socio-Economic Resources:**

RESPONSE CONSIDERATIONS

Staging Area: Naval Weapons Stations TC dock, Boat ramp at mouth of Goose Creek**Collection Points:** Move boom upstream to allow collection if Weapons Station access is possible**Area Access:****Spill Risk:****Response Resources:** See Appendix I to Annex F

PROTECTION STRATEGY INFORMATION

Tidal Range (FT):**Average Current (KTS):****Ease of Protection:** Current Concerns**Min. Boom Length (FT):** 700**Boom Type:****Booming Method:** Protection/Exclusion**Protection Strategy:** Boom creek mouth with 700' of barrier boom

Name: Clouter Creek (North)

Site ID:

SC24-10

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 54' 16.457" N

Longitude (DMS): 79° 56' 1.591" W

County: Berkeley

Latitude (DD): 32.90457149

Longitude (DD): -79.93377520

SCAT Division: Berkeley County Division 2

ESI Map: SC - 24

ESI Name: North Charleston, SC

NOAA Chart: 11524_1

CHART Name: CHARLESTON HARBOR

USGS Quad: 32079-H8

QUAD Name: North Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SCDHEC (24hr) Emergency Oil Spills 888-481-0125; SCDNR 800-922-5431

RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes

Habitat: High sensitivity salt and brackish water marshes with some lower sensitivity shoreline because of Naval Weapons Stations/operations.

Wildlife: Black & Wood duck, Clapper rail, Hooded merganser, shorebirds, wading birds, Osprey, Bottlenose dolphin, Atl. croaker, Atl. menhaden, Atl. sharpnose shark, Atl. stingray, Black & Red drum, Mummichog, Seatrout, Southern & Summer flounder, Spotted seatrout, Spot, Striped mullet, Atl. sturgeon, Herring & shad, Shortnose sturgeon, American oyster, Blue crab, Penaeid shrimp, Beaver, Mink, Northern raccoon, River otter

Threaten/Endangered Species: Possible Shortnose Sturgeon (SNS) habitat

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Virginia Avenue Park boat ramp (S); Back River Dam (N)

Collection Points:

Area Access: boat/helicopter

Spill Risk:

Response Resources: See Appendix I to Annex F

PROTECTION STRATEGY INFORMATION

Tidal Range (FT):

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT): 700

Boom Type:

Booming Method: Deflection, Protection/Exclusion

Protection Strategy: One 500' section of barrier boom across the creek and two 100' sections of deflection boom at mouth of creek as depicted on map.



Name: Yellow House Creek

Site ID:

SC24-11

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 54' 20.053" N

Longitude (DMS): 79° 55' 47.869"

County: Berkeley

Latitude (DD): 32.90557029

Longitude (DD): -79.92996366

SCAT Division: Berkeley County Division 2

ESI Map: SC - 24

ESI Name: North Charleston, SC

NOAA Chart: 11524_1

CHART Name: CHARLESTON HARBOR

USGS Quad: 32079-H8

QUAD Name: North Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SCDHEC (24hr) Emergency Oil Spills 888-481-0125; SCDNR 800-922-5431

RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes

Habitat: High sensitivity salt and brackish water marshes both shorelines

Wildlife: Black & Wood duck, Clapper rail, Hooded merganser, shorebirds, wading birds, Osprey, Bottlenose dolphin, Atl. croaker, Atl. menhaden, Atl. sharpnose shark, Atl. stingray, Black & Red drum, Mummichog, Seatrout, Southern & Summer flounder, Spotted seatrout, Spot, Striped mullet, Atl. sturgeon, Herring & shad, Shortnose sturgeon, American oyster, Blue crab, Penaeid shrimp, Beaver, Mink, Northern raccoon, River otter

Threaten/Endangered Species: Possible Shortnose Sturgeon (SNS) habitat

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Virginia Avenue Park boat ramp (S); Back River Dam (N)

Collection Points:

Area Access: boat/helicopter

Spill Risk:

Response Resources: See Appendix I to Annex F

PROTECTION STRATEGY INFORMATION

Tidal Range (FT):

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT): 700

Boom Type:

Booming Method: Deflection,
Protection/Exclusion

Protection Strategy: One 500' section of barrier boom across the creek and two 100' sections of deflection boom at mouth of creek as depicted on map



Name: Ingevity Industrial

Site ID:

SC24-12

Protection Priority (Season):

Spring:

☐

Summer:

☐

Fall:

☐

Winter:

☐

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 53' 39.001" N

Longitude (DMS): 79° 57' 56.002"

County: Charleston

Latitude (DD): 32.89416702

Longitude (DD): -79.96555598

SCAT Division: Charleston County Division 3

ESI Map: SC - 24

ESI Name: North Charleston, SC

NOAA Chart: 11524_1

CHART Name: CHARLESTON HARBOR

USGS Quad: 32079-H8

QUAD Name: North Charleston

Managed Area (if applicable): Ingevity

General Location:

CONTACT INFORMATION

Contacts: Ingevity 843-740-2300; SCDHEC (24hr) Emergency Oil Spills 888-481-0125; SCDNR 800-922-5431

RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes

Habitat: Salt and brackish water marshes, freshwater marshes

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

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

Socio-Economic Resources: Water intake

RESPONSE CONSIDERATIONS

Staging Area: Ingevity Dock

Collection Points:

Area Access: boat/vehicle

Spill Risk:

Response Resources: See Appendix I to Annex F

PROTECTION STRATEGY INFORMATION

Tidal Range (FT):

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT): 50

Boom Type:

Booming Method: Protection/Exclusion

Protection Strategy: Not a likely boom site but potential for 50' section of barrier boom as possible option



GRP - Oil Spill Sensitive Site Report for Sector : Charleston**GRP Map #****SC-24****Name:** Filbin Creek**Site ID:****SC24-13****Protection Priority (Season):** Spring: Summer: Fall: Winter: **Site Description:****GEOSPATIAL INFORMATION****Latitude (DMS):** 32° 53' 28.759" N**Longitude (DMS):** 79° 58' 4.638" W**County:** Charleston**Latitude (DD):** 32.89132221**Longitude (DD):** -79.96795465**SCAT Division:** Charleston County Division 3**ESI Map:** SC - 24**ESI Name:** North Charleston, SC**NOAA Chart:** 11524_1**CHART Name:** CHARLESTON HARBOR**USGS Quad:** 32079-H8**QUAD Name:** North Charleston**Managed Area (if applicable):****General Location:****CONTACT INFORMATION****Contacts:** SCDHEC (24hr) Emergency Oil Spills 888-481-0125; SCDNR 800-922-5431**RESOURCES AT RISK INFORMATION****Shoreline Type:** Salt and brackish water marshes**Habitat:** High sensitivity salt and brackish water marshes both shorelines**Wildlife:** Black & Wood duck, Clapper rail, Hooded merganser, shorebirds, wading birds, Osprey, At. croaker, Atl. menhaden, Atl. sharpnose shark, Atl. stingray, Black & Red drum, Mummichog, Seatrout, Spotted seatrout, Southern & Summer flounder, Striped mullet, Spot, Atl. sturgeon, Herring & shad, Shortnose sturgeon, American oyster, Blue crab, Penaeid shrimp, Beaver, Mink, Northern raccoon, River otter, Bottlenose dolphin**Threaten/Endangered Species:** Possible Shortnose Sturgeon (SNS) habitat**Socio-Economic Resources:****RESPONSE CONSIDERATIONS****Staging Area:** RM Hendricks Park boat ramp**Collection Points:** The most probable collection point would be at the mouth of the creek, both from waterside and landside; one 200' section of collection boom at boat ramp**Area Access:** boat/vehicle**Spill Risk:****Response Resources:** See Appendix I to Annex F**PROTECTION STRATEGY INFORMATION****Tidal Range (FT):****Average Current (KTS):****Ease of Protection:****Min. Boom Length (FT):** 300**Boom Type:****Booming Method:** Containment, Protection/Exclusion**Protection Strategy:** One 100' section of barrier boom across mouth of creek. One 200' section of collection boom as depicted on map. Note: Access under Railroad bridge is a concern due to tidal considerations.

Name: No Name Creek (off Clouter Creek)

Site ID:

SC24-14

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 52' 34.860" N

Longitude (DMS): 79° 56' 28.770"

County: Berkeley

Latitude (DD): 32.87635014

Longitude (DD): -79.94132515

SCAT Division: Berkeley County Division 2

ESI Map: SC - 24

ESI Name: North Charleston, SC

NOAA Chart: 11524_1

CHART Name: CHARLESTON HARBOR

USGS Quad: 32079-H8

QUAD Name: North Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SCDHEC (24hr) Emergency Oil Spills 888-481-0125; SCDNR 800-922-5431

RESOURCES AT RISK INFORMATION

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

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

Wildlife: Osprey, Black & Wood duck, Clapper rail, Hooded merganser, shorebirds, wading birds, Blue-winged & Green-winged teal, Mottled duck, Northern shoveler, Atl. croaker, Atl. menhaden, Atl. sharpnose shark, Atl. stingray, Black & Red drum, Mummichog, Spot, Seatrout, Southern & Summer flounder, Spotted seatrout, American oyster, Blue crab, Penaeid shrimp, Beaver, Northern raccoon, River otter

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: RM Hendricks Park boat ramp

Collection Points: Nearest collection points are across Cooper River at former Navy Piers M, N, P, R, S, and Z

Area Access: boat/helicopter

Spill Risk:

Response Resources: See Appendix I to Annex F

PROTECTION STRATEGY INFORMATION

Tidal Range (FT):

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT): 150

Boom Type:

Booming Method: Protection/Exclusion

Protection Strategy: One 150' section of barrier boom as depicted on map



GRP - Oil Spill Sensitive Site Report for Sector : Charleston**GRP Map #****SC-24****Name:** Martin Creek**Site ID:****SC24-15****Protection Priority (Season):** Spring: Summer: Fall: Winter: **Site Description:****GEOSPATIAL INFORMATION****Latitude (DMS):** 32° 54' 6.103" N**Longitude (DMS):** 79° 53' 27.449"**County:** Berkeley**Latitude (DD):** 32.90168058**Longitude (DD):** -79.89096667**SCAT Division:** Berkeley County Division 2**ESI Map:** SC - 24**ESI Name:** North Charleston, SC**NOAA Chart:** 11524_1**CHART Name:** CHARLESTON HARBOR**USGS Quad:** 32079-H8**QUAD Name:** North Charleston**Managed Area (if applicable):****General Location:****CONTACT INFORMATION****Contacts:** SCDHEC (24hr) Emergency Oil Spills 888-481-0125; SCDNR 800-922-5431**RESOURCES AT RISK INFORMATION****Shoreline Type:** Salt and brackish water marshes**Habitat:** High sensitivity salt and brackish water marshes and tidal flats**Wildlife:** Ospreys, Black duck, Clapper rail, shorebirds, wading birds, Hooded merganser, Wood duck, Atlantic croaker, Atlantic menhaden, Atlantic sharpnose shark, Atlantic stingray, Black drum, Mummichog, Red drum, Seatrout, Southern flounder, Spotted seatrout, Spot, Striped mullet, Summer flounder, American oyster, Blue crab, Penaeid shrimp, Beaver, Mink, Northern raccoon, River otter**Threaten/Endangered Species:** Possible Shortnose Sturgeon (SNS) habitat**Socio-Economic Resources:****RESPONSE CONSIDERATIONS****Staging Area:** Remely Point Boat Ramp**Collection Points:****Area Access:** boat/helicopter**Spill Risk:****Response Resources:** See Appendix I to Annex F**PROTECTION STRATEGY INFORMATION****Tidal Range (FT):****Average Current (KTS):****Ease of Protection:****Min. Boom Length (FT):** 450**Boom Type:****Booming Method:** Protection/Exclusion**Protection Strategy:** 400' of barrier boom across mouth of creek if protection at mouth of Nowell Creek is not effective. 50' barrier boom east of creek

Name: Hopewell Creek

Site ID:

SC24-16

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 53' 54.595" N

Longitude (DMS): 79° 52' 50.858"

County: Berkeley

Latitude (DD): 32.89849863

Longitude (DD): -79.88079389

SCAT Division: Berkeley County Division 2

ESI Map: SC - 24

ESI Name: North Charleston, SC

NOAA Chart: 11524_1

CHART Name: CHARLESTON HARBOR

USGS Quad: 32079-H8

QUAD Name: North Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SCDHEC (24hr) Emergency Oil Spills 888-481-0125; SCDNR 800-922-5431

RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes

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

Wildlife: Ospreys, Black duck, Clapper rail, shorebirds, wading birds, Hooded merganser, Wood duck, Atlantic croaker, Atlantic menhaden, Atlantic sharpnose shark, Atlantic stingray, Black drum, Mummichog, Red drum, Seatrout, Southern flounder, Spotted seatrout, Spot, Striped mullet, Summer flounder, American oyster, Blue crab, Penaeid shrimp, Beaver, Mink, Northern raccoon, River otter

Threaten/Endangered Species: Possible Shortnose Sturgeon (SNS) habitat

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Remely Point Boat Ramp

Collection Points:

Area Access: boat/helicopter

Spill Risk:

Response Resources: See Appendix I to Annex F

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: 300' of barrier boom across mouth of creek if protection at mouth of Nowell Creek is not effective.



GRP - Oil Spill Sensitive Site Report for Sector : Charleston**GRP Map #****SC-24****Name:** Nowell Creek**Site ID:****SC24-17****Protection Priority (Season):** Spring: Summer: Fall: Winter: **Site Description:****GEOSPATIAL INFORMATION****Latitude (DMS):** 32° 52' 48.535" N**Longitude (DMS):** 79° 52' 32.242"**County:** Berkeley**Latitude (DD):** 32.88014852**Longitude (DD):** -79.87562291**SCAT Division:** Berkeley County Division 2**ESI Map:** SC - 24**ESI Name:** North Charleston, SC**NOAA Chart:** 11524_1**CHART Name:** CHARLESTON HARBOR**USGS Quad:** 32079-H8**QUAD Name:** North Charleston**Managed Area (if applicable):****General Location:****CONTACT INFORMATION****Contacts:** SCDHEC (24hr) Emergency Oil Spills 888-481-0125; SCDNR 800-922-5431**RESOURCES AT RISK INFORMATION****Shoreline Type:** Salt and brackish water marshes**Habitat:** High sensitivity salt and brackish water marshes, tidal flats**Wildlife:** Ospreys, Black & Wood duck, Clapper rail, Hooded merganser, shorebirds, wading birds, Alt. croaker, Atl. menhaden, Atl. sharpnose shark, Atl. stingray, Black & Red drum, Mummichog, Seatrout, Southern & Summer flounder, Spotted seatrout, Striped mullet, Spot, American oyster, Blue crab, Penaeid shrimp, Beaver, Mink, Northern raccoon, River otter**Threaten/Endangered Species:** Possible Shortnose Sturgeon (SNS) habitat**Socio-Economic Resources:****RESPONSE CONSIDERATIONS****Staging Area:** Remley Point Boat Ramp**Collection Points:****Area Access:** boat/helicopter**Spill Risk:****Response Resources:** See Appendix I to Annex F**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' of barrier boom as close to the mouth as possible