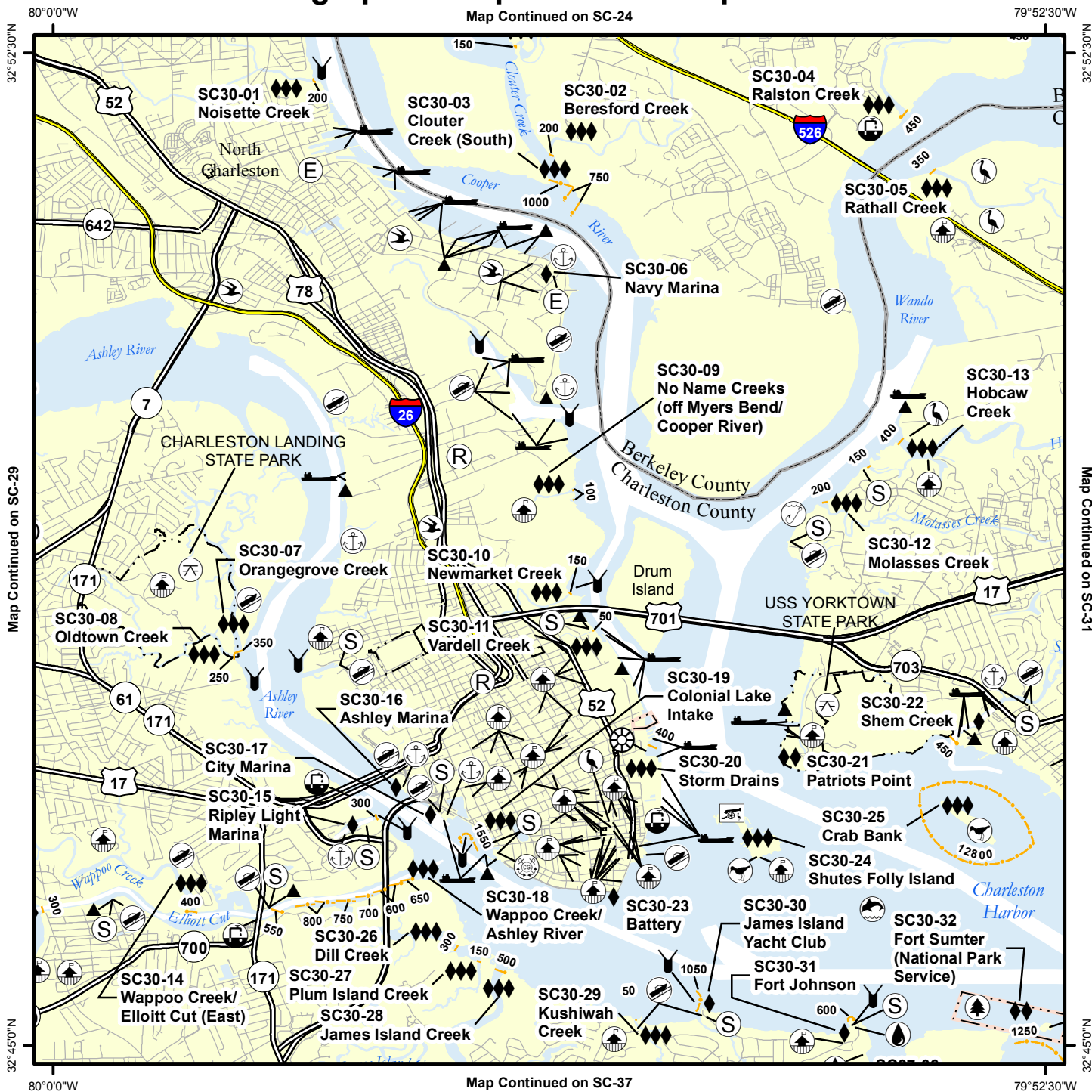


Geographic Response Plan Map: SC-30



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

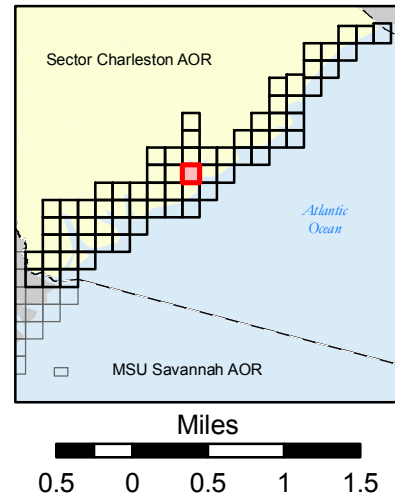
- (AQ) Aquaculture
- (BR) Boat Ramp
- (CG) Coast Guard
- (CF) Commercial Fishing
- (DBN) Diving birds Nesting Area
- (DOL) Dolphins
- (GTA) Gull/Tern Nesting Area
- (HS) Historical Site
- (MAN) Manatees
- (MAR) Marina
- (RNA) Raptor Nesting Area
- (RF) Recreational Fishing
- (STA) Sea Turtles
- (SNA)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



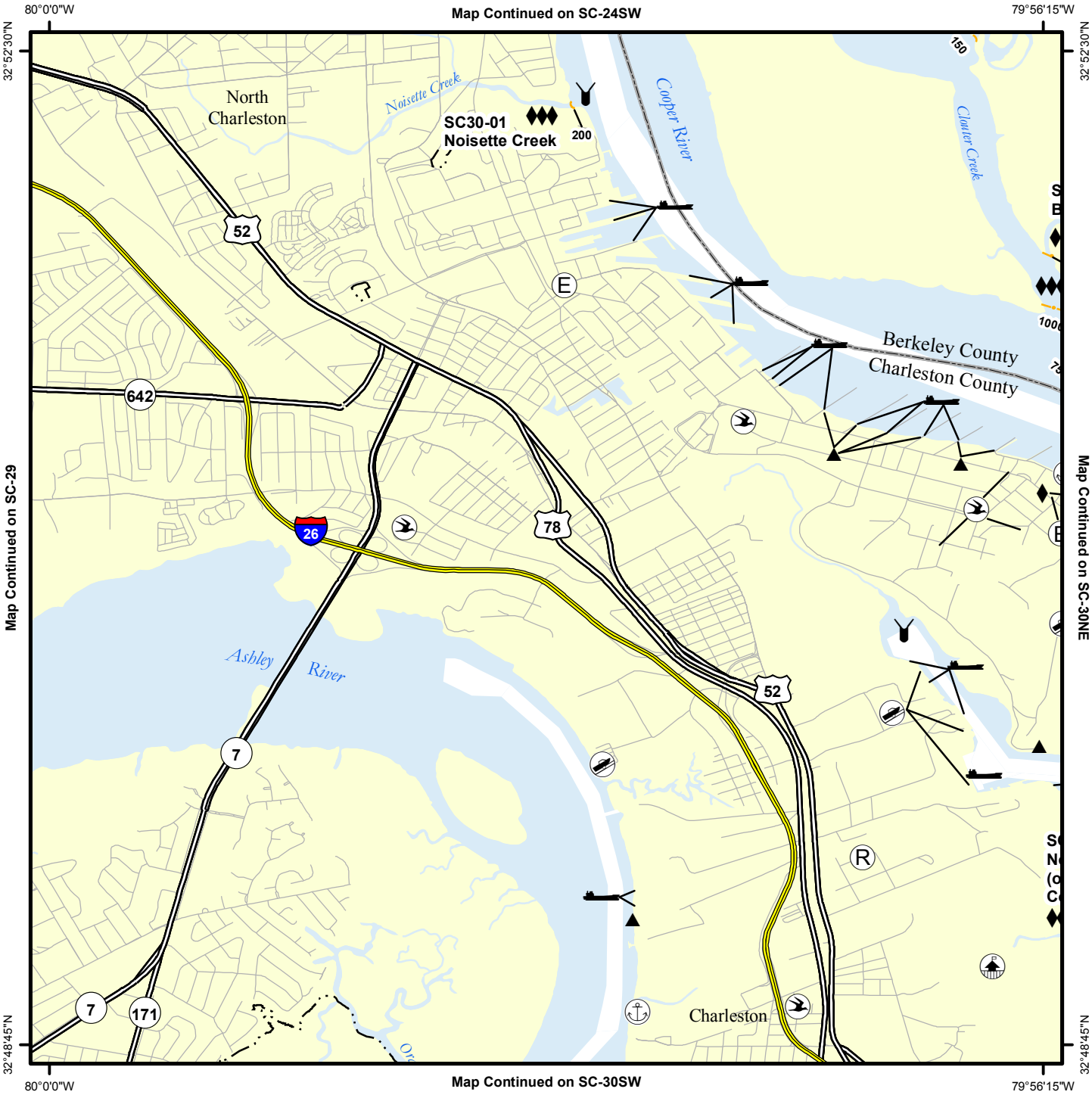
US Coast Guard
Sector Charleston



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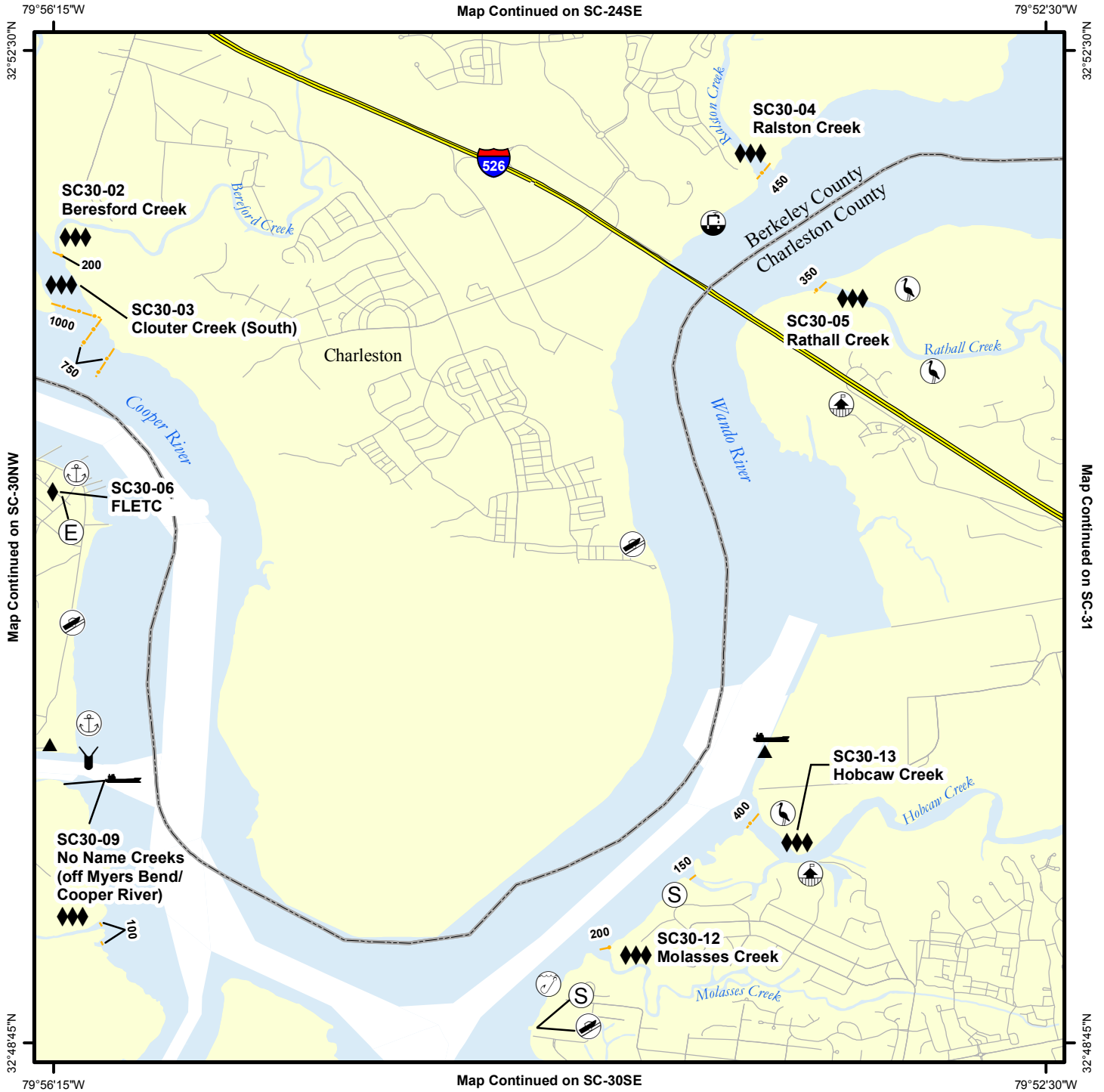


Geographic Response Plan Map: SC-30NW



Geographic Response Plan Map: SC-30NE

Map Continued on 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
- (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

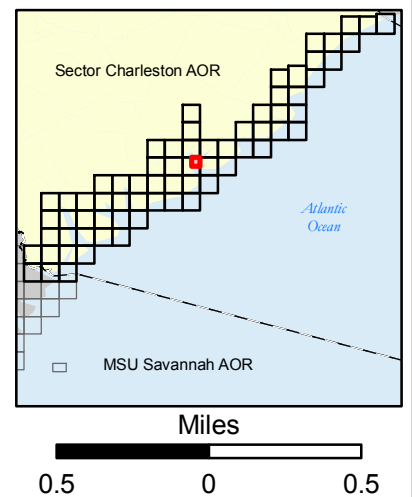
- Ⓐ Aquaculture
- Ⓐ Boat Ramp
- Ⓐ Coast Guard
- Ⓐ Commercial Fishing
- Ⓐ Diving birds Nesting Area
- Ⓐ Dolphin
- Ⓐ Gull/Tern Nesting Area
- Ⓐ Historical Site
- Ⓐ Manatee
- Ⓐ Marina
- Ⓐ Raptor Nesting Area
- Ⓐ Recreational Fishing
- Ⓐ Sea Turtle
- Ⓐ Shorebird Nesting Area
- Ⓐ Wading birds Nesting Area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



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Geographic Response Plan Map: SC-30SW

Map Continued on SC-30NW



Map Continued on SC-37

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

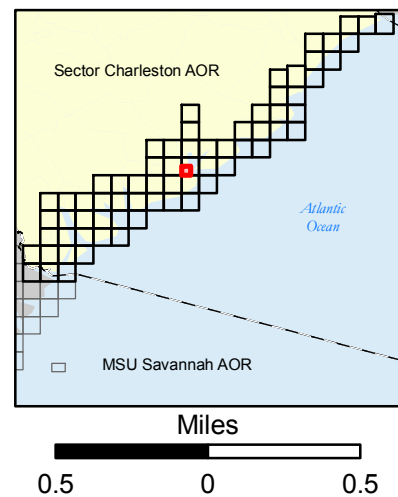
- (AQ) Aquaculture
- (BR) Boat Ramp
- (CG) Coast Guard
- (CF) Commercial Fishing
- (DBN) Diving birds Nesting Area
- (DOL) Dolphin
- (GTA) Gull/Tern Nesting Area
- (HS) Historical Site
- (MAN) Manatee
- (MAR) Marina
- (RNA) Raptor Nesting Area
- (RF) Recreational Fishing
- (ST) Sea Turtle
- (SNA) Shorebird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



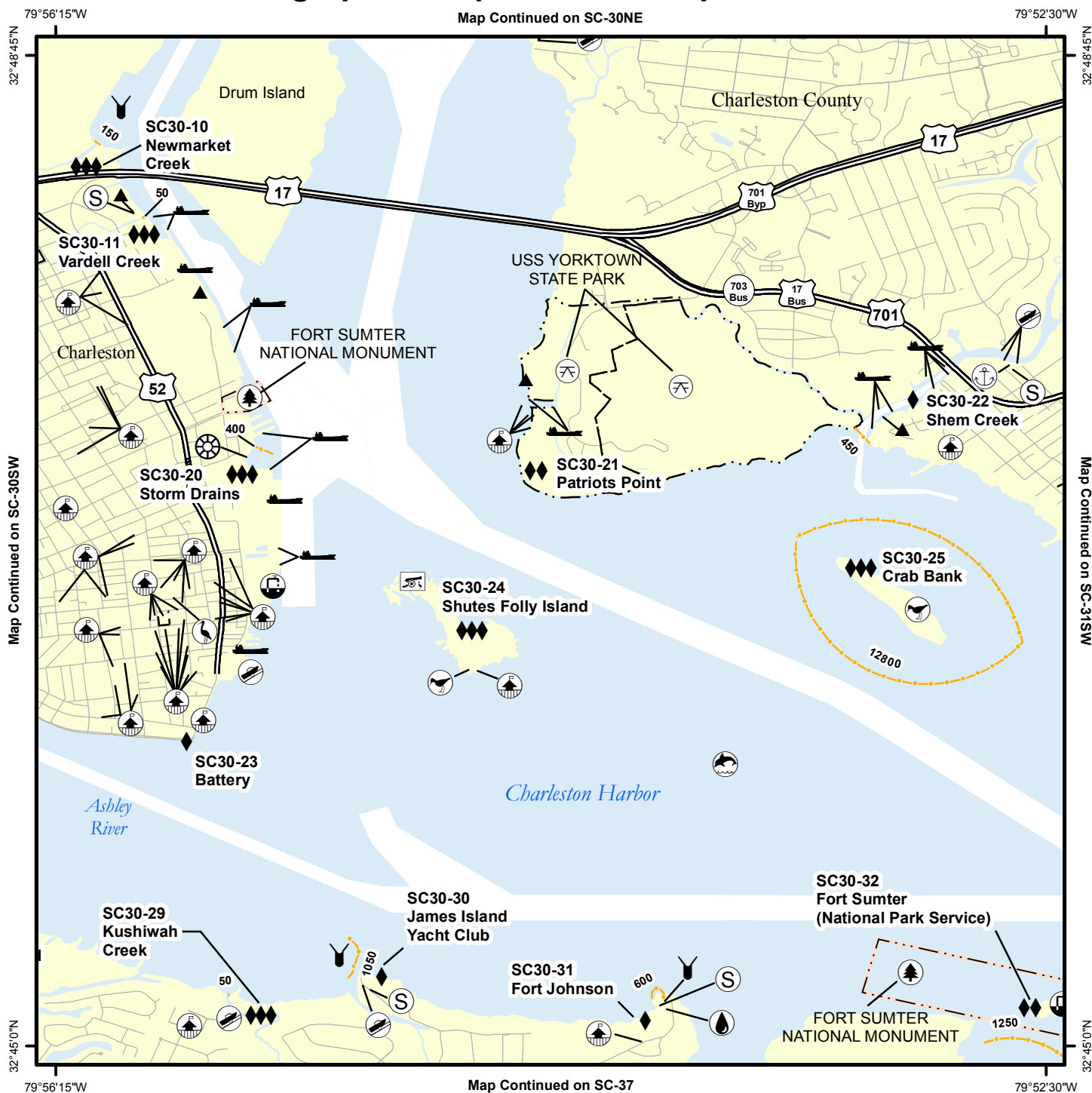
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Sector Charleston



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Geographic Response Plan Map: SC-30SE



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 Response Strategy (Length in Ft)
- State Managed Area Boundary
- Federal Managed Area Boundary
- County Boundary/State Waters
- US Coast Guard Sector AOR

Bio-SocEcon

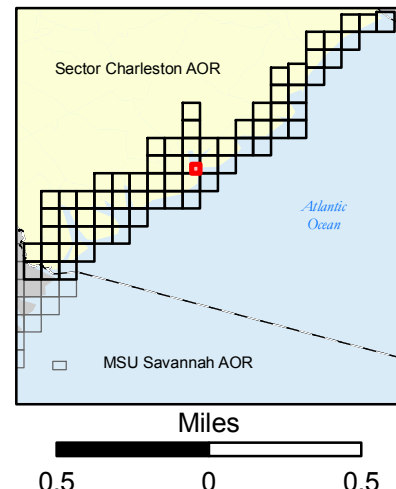
- (AQ) Aquaculture
- (BR) Boat Ramp
- (CG) Coast Guard
- (CF) Commercial Fishing
- (DBN) Diving birds Nesting Area
- (DOL) Dolphin
- (GTA) Gull/Tern Nesting Area
- (HS) Historical Site
- (MAN) Manatee
- (MAR) Marina
- (RNA) Raptor Nesting Area
- (RF) Recreational Fishing
- (ST) Sea Turtle
- (SNA) Shorebird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



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Sector Charleston



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Name: Noisette Creek

Site ID:

SC30-01

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 52' 17.669" N

Longitude (DMS): 79° 58' 5.465" W

County: Charleston

Latitude (DD): 32.87157478

Longitude (DD): -79.96818472

SCAT Division: Charleston County Division 3

ESI Map: SC - 30

ESI Name: Charleston, SC

NOAA Chart: 11524_1

CHART Name: CHARLESTON HARBOR

USGS Quad: 32079-G8

QUAD Name: Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SC DHEC - (888) 481-0125 SC DNR - (800) 922-5431

RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes, exposed riprap structures

Habitat: Limited amount of high sensitivity salt and brackish water marshes

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

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Virginia Avenue Park Boat Ramp

Collection Points: Nearest collection point access via South Hess Terminal property. Collection within creek proper if saturated

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): 400

Boom Type:

Booming Method: Containment,
Protection/Exclusion

Protection Strategy: One 200' section of barrier boom across mouth of creek with one 200' section of collection boom.



GRP - Oil Spill Sensitive Site Report for Sector : Charleston**GRP Map #****SC-30****Name:** Beresford Creek**Site ID:****SC30-02****Protection Priority (Season):** Spring: Summer: Fall: Winter: **Site Description:****GEOSPATIAL INFORMATION****Latitude (DMS):** 32° 51' 47.992" N**Longitude (DMS):** 79° 56' 14.532"**County:** Berkeley**Latitude (DD):** 32.86333103**Longitude (DD):** -79.93736994**SCAT Division:** Berkeley County Division 2**ESI Map:** SC - 30**ESI Name:** Charleston, SC**NOAA Chart:** 11524_1**CHART Name:** CHARLESTON HARBOR**USGS Quad:** 32079-G8**QUAD Name:** Charleston**Managed Area (if applicable):****General Location:****CONTACT INFORMATION****Contacts:** SC DHEC - (888) 481-0125 SC DNR - (800) 922-5431**RESOURCES AT RISK INFORMATION****Shoreline Type:** Salt and brackish water marshes, scarps and steep slopes in sand**Habitat:** High sensitivity salt and brackish water marshes and tidal flats**Wildlife:** Black & Wood duck, Clapper rail, shorebirds, wading birds, Hooded merganser, Blue & Green-winged teal, Mottled duck, Northern shoveler, Greater & Lesser scaup, various fish species, Bottlenose dolphin, American oyster, Blue crab, Penaeid shrimp, Beaver, Mink, Northern raccoon, River otter**Threaten/Endangered Species:** Possible Shortnose Sturgeon (SNS) habitat, West Indian manatee**Socio-Economic Resources:****RESPONSE CONSIDERATIONS****Staging Area:** Virginia Avenue Park Boat Ramp**Collection Points:** Nearest collection point is across Cooper River at 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):** 200**Boom Type:****Booming Method:** Protection/Exclusion**Protection Strategy:** One 200' section of barrier boom as depicted on map

Name: Clouter Creek (South)

Site ID:

SC30-03

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 51' 36.222" N

Longitude (DMS): 79° 56' 12.830"

County: Berkeley

Latitude (DD): 32.86006155

Longitude (DD): -79.93689712

SCAT Division: Berkeley County Division 2

ESI Map: SC - 30

ESI Name: Charleston, SC

NOAA Chart: 11524_1

CHART Name: CHARLESTON HARBOR

USGS Quad: 32079-G8

QUAD Name: Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SC DHEC - (888) 481-0125 SC DNR - (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, sheltered tidal flats/oyster beds, exposed tidal flats, some lower sensitivity shoreline because of Naval Weapons Station/operations

Wildlife: Black & Wood duck, Clapper rail, shorebirds, wading birds, Hooded merganser, Blue & Green-winged teal, Mottled duck, Northern shoveler, Greater & Lesser scaup, various fish species, Bottlenose dolphin, American oyster, Blue crab, Penaeid shrimp, Beaver, Mink, Northern raccoon, River otter, Osprey

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Virginia Avenue Park Boat Ramp

Collection Points: Nearest collection point is across Cooper River at 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): 2500

Boom Type: Hard

Booming Method: Deflection,
Protection/Exclusion

Protection Strategy: One 1000' section of barrier boom across mouth of creek; two 750' sections of deflection boom as depicted on map



Name: Ralston Creek

Site ID:

SC30-04

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 52' 5.573" N

Longitude (DMS): 79° 53' 36.360"

County: Berkeley

Latitude (DD): 32.86821475

Longitude (DD): -79.89343342

SCAT Division: Berkeley County Division 2

ESI Map: SC - 30

ESI Name: Charleston, SC

NOAA Chart: 11524_1

CHART Name: CHARLESTON HARBOR

USGS Quad: 32079-G8

QUAD Name: Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SC DHEC - (888) 481-0125 SC DNR - (800) 922-5431

RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes, sheltered tidal flats/oyster beds, scarps and steep slopes in sand

Habitat: High sensitivity salt and brackish water marshes and sheltered tidal flats/oyster beds

Wildlife: Black & Wood duck, Clapper rail, shorebirds, wading birds, Hooded merganser, Greater & Lesser scaup, Bottlenose dolphin, American oyster, Blue crab, Penaeid shrimp, Beaver, Mink, Northern raccoon, River otter, Atl. croaker, Atl. menhaden, Atl. stingray, Atl. sharpnose shark, Black & Red drum, Mummichog, Seatrout, Southern & Summer flounder, Spot, Spotted seatrout, Striped mullet, Atl. sturgeon, Herring & Shad, Shortnose sturgeon, sharks, rays, Bluefish, Crevalle jack, Spanish mackerel, Tarpon, Osprey

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

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): 450

Boom Type: Hard

Booming Method: Protection/Exclusion

Protection Strategy: 450' of barrier boom across mouth of creek.



GRP - Oil Spill Sensitive Site Report for Sector : Charleston**GRP Map #****SC-30****Name:** Rathall Creek**Site ID:****SC30-05****Protection Priority (Season):** Spring: Summer: Fall: Winter: **Site Description:****GEOSPATIAL INFORMATION****Latitude (DMS):** 32° 51' 36.000" N**Longitude (DMS):** 79° 53' 18.056"**County:** Charleston**Latitude (DD):** 32.86000001**Longitude (DD):** -79.88834891**SCAT Division:** Charleston County Division 2**ESI Map:** SC - 30**ESI Name:** Charleston, SC**NOAA Chart:** 11524_1**CHART Name:** CHARLESTON HARBOR**USGS Quad:** 32079-G8**QUAD Name:** Charleston**Managed Area (if applicable):****General Location:****CONTACT INFORMATION****Contacts:** SC DHEC - (888) 481-0125 SC DNR - (800) 922-5431**RESOURCES AT RISK INFORMATION****Shoreline Type:** Salt and brackish water marshes, sheltered scarps in marsh/mud**Habitat:** High sensitivity salt and brackish water marshes and tidal flats**Wildlife:** Ospreys, diving birds, shorebirds, wading birds-feeding, all seasons, Bottlenose dolphin-all seasons, Estuarine finfish, crustaceans, shellfish-all seasons,**Threaten/Endangered Species:** Possible Shortnose Sturgeon (SNS) habitat, West Indian manatee**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):** 350**Boom Type:** Hard**Booming Method:** Protection/Exclusion**Protection Strategy:** 350' of barrier boom across mouth of creek.

Name: FLETC (Federal Law Enforcement Training Center)

Site ID:

SC30-06

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 50' 50.022" N

Longitude (DMS): 79° 56' 14.991"

County: Charleston

Latitude (DD): 32.84722830

Longitude (DD): -79.93749749

SCAT Division: Charleston County Division 3

ESI Map: SC - 30

ESI Name: Charleston, SC

NOAA Chart: 11524_1

CHART Name: CHARLESTON HARBOR

USGS Quad: 32079-G8

QUAD Name: Charleston

Managed Area (if applicable): US Navy

General Location:

CONTACT INFORMATION

Contacts: SC DHEC - (888) 481-0125 SC DNR - (800) 922-5431

RESOURCES AT RISK INFORMATION

Shoreline Type: Exposed riprap structures, sheltered solid man-made structures

Habitat:

Wildlife: Greater & Lesser scaup, Least tern, Atl. menhaden, Atl. sharpnose shark, Blacktip shark, Bluefish, Crevalle jack, rays, Seatrout, sharks, Southern flounder, Spanish mackerel, Tarpon, Atlantic sturgeon, Herring and shad, Shortnose sturgeon, Bottlenose dolphin

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Virginia Avenue Park Boat Ramp - FLETC Boat Ramp

Collection Points: Nearest collection point is just North of Shipyard Creek

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):

Boom Type:

Booming Method: N/A

Protection Strategy: Primarily an anchorage area; successful protection unlikely



Name: Orangegrove Creek

Site ID:

SC30-07

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 48' 1.345" N

Longitude (DMS): 79° 58' 36.275"

County: Charleston

Latitude (DD): 32.80037349

Longitude (DD): -79.97674317

SCAT Division: Charleston County Division 3

ESI Map: SC - 30

ESI Name: Charleston, SC

NOAA Chart: 11524_1

CHART Name: CHARLESTON HARBOR

USGS Quad: 32079-G8

QUAD Name: Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SC DHEC - (888) 481-0125 SC DNR - (800) 922-5431

RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes

Habitat: High sensitivity salt and brackish water marshes

Wildlife: Black & Wood duck, Clapper rail, shorebirds, wading birds, Hooded merganser, Greater & Lesser scaup, 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, Atl. sturgeon, Herring & shad, Shortnose sturgeon, Bottlenose dolphin, Am. oyster, Blue crab, Penaeid shrimp, Beaver, Mink, North. raccoon, River otter

Threaten/Endangered Species: Possible Shortnose Sturgeon (SNS) habitat, West Indian manatee**Socio-Economic Resources:**

RESPONSE CONSIDERATIONS

Staging Area: Citadel Boat Ramp**Collection Points:** Nearest collection points are at Braswell Shipyard and at railroad trestle across Ashley River from Braswell Creek.**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):** 350**Boom Type:** Hard**Booming Method:** Protection/Exclusion**Protection Strategy:** 350' of barrier boom across mouth of creek as depicted on map

Name: Oldtown Creek

Site ID:

SC30-08

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 47' 56.790" N

Longitude (DMS): 79° 58' 39.274"

County: Charleston

Latitude (DD): 32.79910842

Longitude (DD): -79.97757619

SCAT Division: Charleston County Division 3

ESI Map: SC - 30

ESI Name: Charleston, SC

NOAA Chart: 11524_1

CHART Name: CHARLESTON HARBOR

USGS Quad: 32079-G8

QUAD Name: Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SC DHEC - (888) 481-0125 SC DNR - (800) 922-5431

RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes, scarps and steep slopes in sand

Habitat: High sensitivity salt and brackish water marshes

Wildlife: Ospreys, Black & Wood duck, Clapper rail, shorebirds, wading birds, Hooded merganser, Greater & Lesser scaup, Atl. sturgeon, Herring & Shad, Shortnose sturgeon, Atl. croaker, Atl. menhaden, Atl. sharpnose shark, Atl. stingray, Black & Red drum, Mummichog, Seatrout, So. & Summer flounder, Spot, Spotted seatrout, Striped mullet, Blacktip shark, Bluefish, Crevalle jack, rays, sharks, Spanish mackerel, Tarpon, Am. oyster, Blue crab, Penaeid shrimp, Bottlenose dolphin, Beaver, Mink, North. raccoon, River otter

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Citadel Boat Ramp

Collection Points: Nearest collection points are at Braswell Shipyard and at railroad trestle across Ashley River from Braswell Creek.

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): 250

Boom Type: Hard

Booming Method: Protection/Exclusion

Protection Strategy: 250' section of barrier boom across mouth of creek as depicted on map



Name: No Name Creeks (off Myers Bend/Cooper River)

Site ID:

SC30-09

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 49' 10.062" N

Longitude (DMS): 79° 56' 6.036" W

County: Charleston

Latitude (DD): 32.81946179

Longitude (DD): -79.93501000

SCAT Division: Charleston County Division 3

ESI Map: SC - 30

ESI Name: Charleston, SC

NOAA Chart: 11524_1

CHART Name: CHARLESTON HARBOR

USGS Quad: 32079-G8

QUAD Name: Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SC DHEC - (888) 481-0125 SC DNR - (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: Ospreys, Black & Wood duck, Clapper rail, shorebirds, Hooded merganser, Greater & Lesser scaup, Atl. croaker, Atl. menhaden, Atl. sharpnose shark, Atl. stingray, Black & Red drum, Mummichog, Seatrout, Southern & Summer flounder, Spotted seatrout, Spot, Seatrout, Striped mullet, Blacktip shark, Bluefish, Crevalle jack, rays, sharks, Spanish mackerel, Tarpon, Atl. sturgeon, Herring & shad, Shortnose sturgeon, Am. oyster, Blue crab, Penaeid shrimp, Bottlenose dolphin, Beaver, Mink, raccoon, River otter

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Virginia Avenue Park boat ramp

Collection Points: Nearest collection points are Kinder Morgan SRT Dock, FLETC Pier, and the upper part Shipyard Creek

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: Two 100' section of barrier boom



Name: Newmarket Creek

Site ID:

SC30-10

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 48' 21.963" N

Longitude (DMS): 79° 56' 8.322" W

County: Charleston

Latitude (DD): 32.80610081

Longitude (DD): -79.93564507

SCAT Division: Charleston County Division 3

ESI Map: SC - 30

ESI Name: Charleston, SC

NOAA Chart: 11524_1

CHART Name: CHARLESTON HARBOR

USGS Quad: 32079-G8

QUAD Name: Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SC DHEC - (888) 481-0125 SC DNR - (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 & Wood duck, Clapper rail, shorebirds, wading birds, Hooded merganser, Greater & Lesser scaup, Atl. croaker, Atl. menhaden, Atl. sharpnose shark, Atl. stingray, Black & Red drum, Mummichog, Seatrout, Southern & Summer flounder, Bluefish, Spot, Spotted seatrout, Striped mullet, Crevalle jack, rays, sharks, Spanish mackerel, Tarpon, Atl. sturgeon, Herring & shad, Shortnose sturgeon, Am. oyster, Blue crab, Penaeid shrimp, Bottlenose dolphin, Beaver, Mink, Nor. raccoon, River otter

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area:

Collection Points: If creek is saturated, then use creek itself as a natural collection point

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): 150

Boom Type:

Booming Method: Protection/Exclusion

Protection Strategy: One 150' section of barrier boom



Name: Seabreeze Marina/Vardell Creek

Site ID:

SC30-11

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

Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 48' 7.453" N

Longitude (DMS): 79° 55' 56.661"

County: Charleston

Latitude (DD): 32.80207018

Longitude (DD): -79.93240570

SCAT Division: Charleston County Division 3

ESI Map: SC - 30

ESI Name: Charleston, SC

NOAA Chart: 11518_2

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 32079-G8

QUAD Name: Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SC DHEC - (888) 481-0125 SC DNR - (800) 922-5431

RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes, sheltered solid man-made structures

Habitat: High sensitivity salt and brackish water marshes

Wildlife: Ospreys, Greater & Lesser scaup, Black & Wood duck, Clapper rail, shorebirds, wading birds, Atl. sturgeon, Herring & shad, Shortnose sturgeon, Atl. croaker, Atl. menhaden, Atl. stingray, Black & Red drum, Mummichog, Seatrout, Southern & Summer flounder, Spot, Spotted seatrout, Striped mullet, Atl. sharpnose shark, Bluefish, Crevelle jack, rays, sharks, Spanish mackerel, Tarpon, Am. oyster, Blue crab, Penaeid shrimp, Bottlenose dolphin, Beaver, Mink, Northern raccoon, River otter

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Access available from landside and waterside via road or boat ramp. It is possible to stage vac-trucks at Vardell Creek and also do waterside operations. Seabreeze Marina has access to water.

Collection Points: If creek is saturated, then use creek itself as a natural collection point 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): 1000

Boom Type:

Booming Method: Protection/Exclusion

Protection Strategy: Five 200' section of barrier boom to protect SeaBreeze Marina and Vardell Creek



Name: Molasses Creek

Site ID:

SC30-12

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 49' 4.780" N

Longitude (DMS): 79° 54' 8.855" W

County: Charleston

Latitude (DD): 32.81799446

Longitude (DD): -79.90245981

SCAT Division: Charleston County Division 2

ESI Map: SC - 30

ESI Name: Charleston, SC

NOAA Chart: 11524_1

CHART Name: CHARLESTON HARBOR

USGS Quad: 32079-G8

QUAD Name: Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SC DHEC - (888) 481-0125 SC DNR - (800) 922-5431

RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes, exposed tidal flats, sheltered scarps in marsh/mud, sheltered solid man-made structures**Habitat:** High sensitivity salt and brackish water marshes, many private docks**Wildlife:** Ospreys, Greater & Lesser scaup, Black & Wood duck, Clapper rail, Hooded merganser, shorebirds, wading birds, various fish species, Bottlenose dolphin, Beaver, Mink, Northern raccoon, River otter, American oyster, Penaeid shrimp,**Threaten/Endangered Species:** Possible Shortnose Sturgeon (SNS) habitat, West Indian manatee**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):** 200**Boom Type:** Hard**Booming Method:** Protection/Exclusion**Protection Strategy:** 200' of barrier boom across creek near mouth

GRP - Oil Spill Sensitive Site Report for Sector : Charleston**GRP Map #****SC-30****Name:** Hobcaw Creek**Site ID:****SC30-13****Protection Priority (Season):** Spring: Summer: Fall: Winter: **Site Description:****GEOSPATIAL INFORMATION****Latitude (DMS):** 32° 49' 36.4794"**Longitude (DMS):** 79° 53' 38.6118"**County:** Charleston**N Latitude (DD):** 32.826800**Longitude (DD):** -79.894059**SCAT Division:** Charleston County Division 2**ESI Map:** SC - 30**ESI Name:** Charleston, SC**NOAA Chart:** 11524_1**CHART Name:** CHARLESTON HARBOR**USGS Quad:** 32079-G8**QUAD Name:** Charleston**Managed Area (if applicable):****General Location:****CONTACT INFORMATION****Contacts:** SC DHEC - (888) 481-0125 SC DNR - (800) 922-5431**RESOURCES AT RISK INFORMATION****Shoreline Type:** Salt and brackish water marshes, sheltered tidal flats/oyster beds, gravel (shell) beaches, exposed riprap structures**Habitat:** High sensitivity salt and brackish water marshes, sheltered tidal flats/oyster beds, many private docks**Wildlife:** Ospreys, Greater & Lesser scaup, Great blue heron, Black & Wood duck, Clapper rail, shorebirds, wading birds, Hooded merganser, various fish species, Bottlenose dolphin, Beaver, Mink, Northern raccoon, River otter, American oyster, Penaeid shrimp**Threaten/Endangered Species:** Possible Shortnose Sturgeon (SNS) habitat, West Indian manatee**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:** 400' and 200' barrier boom across mouth of creek

Name: Wappoo Creek/Elloitt Cut (East)

Site ID:

SC30-14

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 46' 5.588" N

Longitude (DMS): 79° 58' 56.180"

County: Charleston

Latitude (DD): 32.76821890

Longitude (DD): -79.98227215

SCAT Division: Charleston County Division 3

ESI Map: SC - 30

ESI Name: Charleston, SC

NOAA Chart: 11518_2

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 32079-G8

QUAD Name: Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SC DHEC - (888) 481-0125 SC DNR - (800) 922-5431

RESOURCES AT RISK INFORMATION

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

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

Wildlife: Ospreys, Black & Wood duck, Clapper rail, shorebirds, wading birds, Greater & Lesser scaup, various fish species, American oyster, Blue crab, Penaeid shrimp, Bottlenose dolphin, Beaver, Mink, Northern raccoon, River otter ,

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Boat ramp at Riverland Terrace Fire Station; boat ramp at Wappoo Cut Bridge; boat ramp at Ripley Light Marina

Collection Points: Boat landing on South side of creek at the firehouse boat ramp/landing

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): 400

Boom Type: Hard

Booming Method: Protection/Exclusion

Protection Strategy: One 400' section of barrier boom across mouth of creek



Name: Ripley Light Marina

Site ID:

SC30-15

Protection Priority (Season):

Spring:

☐

Summer:

☐

Fall:

☐

Winter:

☐

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 46' 39.384" N

Longitude (DMS): 79° 57' 43.894"

County: Charleston

Latitude (DD): 32.77760666

Longitude (DD): -79.96219290

SCAT Division: Charleston County Division 3

ESI Map: SC - 30

ESI Name: Charleston, SC

NOAA Chart: 11518_2

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 32079-G8

QUAD Name: Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SC DHEC - (888) 481-0125 SC DNR - (800) 922-5431

RESOURCES AT RISK INFORMATION

Shoreline Type: Sheltered solid man-made structures, salt and brackish water marshes

Habitat: Marina, salt and brackish water marshes

Wildlife: Black & Wood duck, Clapper rail, shorebirds, wading birds, Hooded merganser, Greater & Lesser scaup, 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, Atl. sturgeon, Herring & shad, Tarpon, Am. oyster, Blue crab, Penaeid shrimp, Bottlenose dolphin

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Wappoo Cut Boat Ramp; City Marina; Citadel Boat Ramp; James Island Boat Ramp

Collection Points: 200' of collection boom at marina entrance

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: Protection/Exclusion

Protection Strategy: 300' boom across mouth of creek



GRP - Oil Spill Sensitive Site Report for Sector : Charleston**GRP Map #****SC-30****Name:** Ashley Marina**Site ID:****SC30-16****Protection Priority (Season):** Spring: ☐ Summer: ☐ Fall: ☐ Winter: ☐**Site Description:****GEOSPATIAL INFORMATION****Latitude (DMS):** 32° 46' 53.352" N**Longitude (DMS):** 79° 57' 21.351"**County:** Charleston**Latitude (DD):** 32.78148677**Longitude (DD):** -79.95593075**SCAT Division:** Charleston County Division 3**ESI Map:** SC - 30**ESI Name:** Charleston, SC**NOAA Chart:** 11518_2**CHART Name:** ICW CASINO CREEK TO BEAUFORT RIVER SIDE A**USGS Quad:** 32079-G8**QUAD Name:** Charleston**Managed Area (if applicable):****General Location:****CONTACT INFORMATION****Contacts:** SC DHEC - (888) 481-0125 SC DNR - (800) 922-5431**RESOURCES AT RISK INFORMATION****Shoreline Type:** Sheltered solid man-made structures, sheltered tidal flats/oyster beds**Habitat:** Marina, salt and brackish water marsh**Wildlife:** Greater & Lesser scaup, Atlantic menhaden, Atlantic, sharpnose shark, Blacktip shark, Bluefish, Crevalle jack, rays, Seatrout, sharks, Southern flounder, Spanish mackerel, Tarpon, Atlantic sturgeon, Herring & shad, Shortnose sturgeon, Bottlenose dolphin,**Threaten/Endangered Species:** Shortnose Sturgeon, possible West Indian manatee**Socio-Economic Resources:****RESPONSE CONSIDERATIONS****Staging Area:** Boat ramp at City Marina (staging in parking area possible); Citadel Boat Ramp; Wappoo Cut Boat Ramp**Collection Points:** Nearest collection point at City Marina**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):****Boom Type:****Booming Method:** No Information Provided**Protection Strategy:**

Name: City Marina

Site ID:

SC30-17

Protection Priority (Season):

Spring:

☐

Summer:

☐

Fall:

☐

Winter:

☐

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 46' 44.064" N

Longitude (DMS): 79° 57' 6.490" W

County: Charleston

Latitude (DD): 32.77890675

Longitude (DD): -79.95180275

SCAT Division: Charleston County Division 3

ESI Map: SC - 30

ESI Name: Charleston, SC

NOAA Chart: 11518_2

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 32079-G8

QUAD Name: Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SC DHEC - (888) 481-0125 SC DNR - (800) 922-5431

RESOURCES AT RISK INFORMATION

Shoreline Type: Sheltered solid man-made structures, sheltered tidal flats/oyster beds

Habitat: Marina

Wildlife: Greater & Lesser scaup, Atlantic menhaden, Atlantic, sharpnose shark, Blacktip shark, Bluefish, Crevalle jack, rays, Seatrout, sharks, Southern flounder, Spanish mackerel, Tarpon, Atlantic sturgeon, Herring & shad, Shortnose sturgeon, Bottlenose dolphin,

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Boat ramp at City Marina (staging in parking area possible); Wappoo Cut Boat Ramp; Citadel Boat Ramp

Collection Points: City Marina

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):

Boom Type: Hard

Booming Method: Containment, Deflection

Protection Strategy: 400' of collection boom at marina opening to direct oil into marina



Name: Wappoo Creek/Ashley River

Site ID:

SC30-18

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 46' 19.112" N

Longitude (DMS): 79° 57' 14.187"

County: Charleston

Latitude (DD): 32.77197554

Longitude (DD): -79.95394083

SCAT Division: Charleston County Division 3

ESI Map: SC - 30

ESI Name: Charleston, SC

NOAA Chart: 11518_2

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 32079-G8

QUAD Name: Charleston

Managed Area (if applicable):

General Location: Mouth of Wappoo Creek on Ashley River

CONTACT INFORMATION

Contacts: SC DHEC - (888) 481-0125 SC DNR - (800) 922-5431

RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes, exposed tidal flats, exposed riprap structures, gravel (shell) beaches, scarps and steep slopes in sand**Habitat:** High sensitivity salt and brackish water marshes, exposed tidal flats**Wildlife:** Ospreys, diving birds, Black & Wood duck, Clapper rail, shorebirds, wading birds, Hooded merganser, various fish species, Bottlenose dolphin, American oyster, Blue crab, Penaeid shrimp, Beaver, Mink, Northern raccoon, River otter,**Threaten/Endangered Species:** Possible Shortnose Sturgeon (SNS) habitat, West Indian manatee

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Boat ramp at Riverland Terrace Fire Station; boat ramp at Wappoo Cut Bridge; boat ramp at Ripley Light Marina**Collection Points:** Boat landing on North side of creek, underneath Wappoo Cut Bridge**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):** 4200**Boom Type:****Booming Method:** Deflection**Protection Strategy:** Multiple 500' -800' sections of deflection boom stair-stepped/staged across creek ending at boat landing Folly Road and Wappo cut Boat Ramp.

Name: Colonial Lake Intake

Site ID:

SC30-19

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 46' 31.785" N

Longitude (DMS): 79° 56' 46.156"

County: Charleston

Latitude (DD): 32.77549582

Longitude (DD): -79.94615435

SCAT Division: Charleston County Division 3

ESI Map: SC - 30

ESI Name: Charleston, SC

NOAA Chart: 11518_2

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 32079-G8

QUAD Name: Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SC DHEC - (888) 481-0125 SC DNR - (800) 922-5431

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: Greater & Lesser scaup, Black & Wood duck, Hooded merganser, 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, American oyster, Bottlenose dolphin

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Corner of Lockwood Blvd and Broad St.

Collection Points:

Area Access: 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):

Boom Type:

Booming Method: N/A

Protection Strategy: Intake to this lake is normally closed. In case of a spill, ensure that intake is closed.



Name: Storm Drains

Site ID:

SC30-20

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 47' 12.998" N

Longitude (DMS): 79° 55' 30.000"

County: Charleston

Latitude (DD): 32.78694401

Longitude (DD): -79.92500001

SCAT Division: Charleston County Division 3

ESI Map: SC - 30

ESI Name: Charleston, SC

NOAA Chart: 11518_2

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 32079-G8

QUAD Name: Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SC DHEC - (888) 481-0125 SC DNR - (800) 922-5431

RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes, sheltered scarps in bedrock, mud or clay

Habitat: Salt and brackish water marshes

Wildlife: Shorebirds, Clapper rail, Wading birds, Black duck, Common & Red-breasted merganser, Greater & Lesser scaup, Atl. sturgeon, Herring and shad, Red drum, Southern flounder, Spot, Spotted seatrout, Striped mullet, Bottlenose dolphin, Mink, Northern raccoon,

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

Socio-Economic Resources: Storm drains

RESPONSE CONSIDERATIONS

Staging Area: Access from waterside very feasible to boom if necessary, i.e. gasoline product.

Collection Points:

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): 50

Boom Type:

Booming Method: Protection/Exclusion

Protection Strategy: Not a likely boom site. Potential for one 50' section of barrier boom.



Name: Patriots Point

Site ID:

SC30-21

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 47' 10.716" N

Longitude (DMS): 79° 54' 25.900"

County: Charleston

Latitude (DD): 32.78631006

Longitude (DD): -79.90719445

SCAT Division: Charleston County Division 2

ESI Map: SC - 30

ESI Name: Charleston, SC

NOAA Chart: 11518_2

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 32079-G8

QUAD Name: Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SC DHEC - (888) 481-0125 SC DNR - (800) 922-5431

RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes, sheltered tidal flats/oyster beds, fine-grained sand beaches

Habitat: Some high sensitivity salt and brackish water marshes, State Maritime Museum - several moored vessels

Wildlife: Black & Wood duck, Clapper rail, Hooded merganser, shorebirds, wading birds, Atl. menhaden, Atl. sharpnose shark, Blacktip shark, Bluefish, Crevalle jack, rays, Seatrout, sharks, Southern Flounder, Spanish mackerel, Tarpon, Atlantic sturgeon, Herring & shad, Shortnose sturgeon, Bottlenose dolphin

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Boat ramp at City Marina (staging in marina/business parking areas possible) or Remley Point Boat Ramp

Collection Points:

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):

Boom Type:

Booming Method: No Information Provided

Protection Strategy:



Name: Shem Creek

Site ID:

SC30-22

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 47' 22.959" N

Longitude (DMS): 79° 53' 9.654" W

County: Charleston

Latitude (DD): 32.78971069

Longitude (DD): -79.88601492

SCAT Division: Charleston County Division 2

ESI Map: SC - 30

ESI Name: Charleston, SC

NOAA Chart: 11518_2

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 32079-G8

QUAD Name: Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SC DHEC - (888) 481-0125 SC DNR - (800) 922-5431

RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes, sheltered solid man-made structures, sheltered tidal flats/oyster beds

Habitat: Some high sensitivity salt and brackish water marshes, sheltered tidal flats/oyster beds - upstream, Commercial docks and piers

Wildlife: Black & Wood duck, Clapper rail, shorebirds, wading birds, Hooded merganser, Greater & Lesser scaup, Atl. croaker, Atl. menhaden, Atl. sharpnose shark, Atl. stingray, Black & Red drum, Mummichog, Seatrout, Southern & Summer flounder, Spotted seatrout, Spot, Striped mullet, Bluefish, Crevalle jack, rays, sharks, Spanish mackerel, Tarpon, Atl. sturgeon, Herring and shad, Shortnose sturgeon, Am. oyster, Blue crab, Penaeid shrimp, Beaver, Mink, Northern raccoon, River otter, Bottlenose dolphin

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Shem Creek Boat Ramp; Sullivans Island Boat Ramp (SC-31)

Collection Points: Numerous docks in the area may provide collection areas.

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): 450

Boom Type: Hard

Booming Method: Protection/Exclusion

Protection Strategy: If needs protection place barrier boom across mouth of creek



Name: Battery

Site ID:

SC30-23

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 46' 9.998" N

Longitude (DMS): 79° 55' 45.001"

County: Charleston

Latitude (DD): 32.76944399

Longitude (DD): -79.92916700

SCAT Division: Charleston County Division 3

ESI Map: SC - 30

ESI Name: Charleston, SC

NOAA Chart: 11518_2

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 32079-G8

QUAD Name: Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SC DHEC - (888) 481-0125 SC DNR - (800) 922-5431

RESOURCES AT RISK INFORMATION

Shoreline Type: Exposed walls and other structures made of concrete, wood or metal, exposed riprap structures

Habitat: N/A (seawall, riprap)

Wildlife: Greater & Lesser scaup, Atl. menhaden Atl. sharpnose shark, Blacktip shark, Bluefish, Crevalle jack, rays, Seatrout, sharks, Southern flounder, Spanish mackerel, Tarpon, Atl. sturgeon, Herring and shad, Shortnose sturgeon, Bottlenose dolphin,

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: US Coast Guard Sector and City Marina or James Island Boat Ramp

Collection Points:

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):

Boom Type:

Booming Method: No Information Provided

Protection Strategy:



Name: Shutes Folly Island

Site ID:

SC30-24

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 46' 32.999" N

Longitude (DMS): 79° 54' 43.999"

County: Charleston

Latitude (DD): 32.77583300

Longitude (DD): -79.91222200

SCAT Division: Charleston County Division 3

ESI Map: SC - 30

ESI Name: Charleston, SC

NOAA Chart: 11518_2

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 32079-G8

QUAD Name: Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SC DHEC - (888) 481-0125 SC DNR - (800) 922-5431

RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes, sheltered tidal flats/oyster beds, exposed tidal flats, gravel (shell) beaches, exposed walls and other structures made of concrete, wood or metal**Habitat:** Salt and brackish water marshes, sheltered tidal flats/oyster beds**Wildlife:** Ospreys, diving birds, shorebirds, wading birds-feeding, all seasons, Colonial waterbirds -nesting, spring and summer, Bottlenose dolphin-all seasons, Estuarine finfish, crustaceans, shellfish-all seasons,**Threaten/Endangered Species:** Possible Shortnose Sturgeon (SNS) habitat, West Indian manatee**Socio-Economic Resources:**

RESPONSE CONSIDERATIONS

Staging Area: James Island Yacht Club 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):****Boom Type:****Booming Method:** N/A**Protection Strategy:** Noise cannon placed on island to scare birds away.

Name: Crab Bank

Site ID:

SC30-25

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

Site Description: Bird Sanctuary - bird nesting and resting area

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 46' 48.785" N

Longitude (DMS): 79° 53' 9.987" W

County: Charleston

Latitude (DD): 32.78021797

Longitude (DD): -79.88610759

SCAT Division: Charleston County Division 2

ESI Map: SC - 30

ESI Name: Charleston, SC

NOAA Chart: 11518_2

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 32079-G8

QUAD Name: Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SC DHEC - (888) 481-0125 SC DNR - (800) 922-5431

RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes, sand beaches

Habitat: High sensitivity salt and brackish water marshes, exposed tidal flats, sand beach, sheltered tidal flats/oyster beds

Wildlife: Ospreys, diving birds, shorebirds, wading birds-feeding, all seasons, Colonial waterbirds -nesting, spring and summer, Bottlenose dolphin-all seasons, Estuarine finfish, crustaceans, shellfish-all seasons,

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Boat ramp at Shem Creek Landing; Sullivans Island Boat Ramp; Ft. Johnson, James Island

Collection Points: N/A

Area Access: boat/helicopter

Spill Risk:

Response Resources: See Appendix I to Annex F. Contractor

PROTECTION STRATEGY INFORMATION

Tidal Range (FT): 6-9

Average Current (KTS):

Ease of Protection: Medium

Min. Boom Length (FT): 12800

Boom Type: Hard

Booming Method: Protection/Exclusion

Protection Strategy: Protect with 12,800' of hard boom. Encircle area. Size of land mass changes with tide. Set up a noise cannon to frighten birds away and prevent oiling.



Name: Dill Creek

Site ID:

SC30-26

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 45' 44.495" N

Longitude (DMS): 79° 56' 57.099"

County: Charleston

Latitude (DD): 32.76235984

Longitude (DD): -79.94919424

SCAT Division: Charleston County Division 3

ESI Map: SC - 30

ESI Name: Charleston, SC

NOAA Chart: 11518_2

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 32079-G8

QUAD Name: Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SC DHEC - (888) 481-0125 SC DNR - (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, sheltered tidal flats

Wildlife: Ospreys, Black & Wood duck, Clapper rail, shorebirds, wading birds, Hooded merganser, Greater & Lesser scaup, 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, Bottlenose dolphin, Am. oyster, Blue crab, Penaeid shrimp, Beaver, Mink, Northern raccoon, River otter

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Boat ramp at Riverland Terrace Fire Station; boat ramp at Wappoo Cut Bridge; James Island Yacht Club 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: One 300' section of barrier boom across mouth of creek as depicted on map



GRP - Oil Spill Sensitive Site Report for Sector : Charleston**GRP Map #****SC-30****Name:** Plum Island Creek**Site ID:****SC30-27****Protection Priority (Season):** Spring: Summer: Fall: Winter: **Site Description:****GEOSPATIAL INFORMATION****Latitude (DMS):** 32° 45' 37.064" N**Longitude (DMS):** 79° 56' 47.136"**County:** Charleston**Latitude (DD):** 32.76029567**Longitude (DD):** -79.94642670**SCAT Division:** Charleston County Division 3**ESI Map:** SC - 30**ESI Name:** Charleston, SC**NOAA Chart:** 11518_2**CHART Name:** ICW CASINO CREEK TO BEAUFORT RIVER SIDE A**USGS Quad:** 32079-G8**QUAD Name:** Charleston**Managed Area (if applicable):****General Location:****CONTACT INFORMATION****Contacts:** SC DHEC - (888) 481-0125 SC DNR - (800) 922-5431**RESOURCES AT RISK INFORMATION****Shoreline Type:** Salt and brackish water marshes**Habitat:** High sensitivity salt and brackish water marshes

Wildlife: Ospreys, Black & Wood duck, Clapper rail, shorebirds, wading birds, Hooded merganser, Greater & Lesser scaup, 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, Bottlenose dolphin, Am. oyster, Blue crab, Penaeid shrimp, Beaver, Mink, Northern raccoon, River otter

Threaten/Endangered Species: Possible Shortnose Sturgeon (SNS) habitat, West Indian manatee**Socio-Economic Resources:****RESPONSE CONSIDERATIONS****Staging Area:** Boat ramp at Riverland Terrace Fire Station; boat ramp at Wappoo Cut Bridge; James Island Yacht Club 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):** 150**Boom Type:** Hard**Booming Method:** Protection/Exclusion**Protection Strategy:** One 150' section of barrier boom across mouth of creek as depicted on map

Name: James Island Creek

Site ID:

SC30-28

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 45' 28.001" N

Longitude (DMS): 79° 56' 39.001"

County: Charleston

Latitude (DD): 32.75777802

Longitude (DD): -79.94416698

SCAT Division: Charleston County Division 3

ESI Map: SC - 30

ESI Name: Charleston, SC

NOAA Chart: 11518_2

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 32079-G8

QUAD Name: Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SC DHEC - (888) 481-0125 SC DNR - (800) 922-5431

RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes

Habitat: High sensitivity salt and brackish water marshes

Wildlife: Ospreys, Black & Wood duck, Clapper rail, shorebirds, wading birds, Hooded merganser, Greater & Lesser scaup, 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, Bottlenose dolphin, Am. oyster, Blue crab, Penaeid shrimp, Beaver, Mink, Northern raccoon, River otter

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Boat ramp at Riverland Terrace Fire Station; boat ramp at Wappoo Cut Bridge; James Island Yacht Club 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): 500

Boom Type:

Booming Method: Protection/Exclusion

Protection Strategy: 500' of barrier boom across mouth of creek



Name: Kushiwah Creek

Site ID:

SC30-29

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 45' 11.2458"

Longitude (DMS): 79° 55' 36.303"

County: Charleston

N Latitude (DD): 32.753124

Longitude (DD): -79.92675

SCAT Division: Charleston County Division 3

ESI Map: SC - 30

ESI Name: Charleston, SC

NOAA Chart: 11518_2

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 32079-G8

QUAD Name: Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SC DHEC - (888) 481-0125 SC DNR - (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, sheltered tidal flats/oyster beds

Wildlife: Ospreys, Black & Wood duck, Clapper rail, Hooded merganser, shorebirds, wading birds, Greater & Lesser scaup, 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, Spanish mackerel, Tarpon, Atl. sturgeon, Herring & shad, Shortnose sturgeon, Bottlenose dolphin, Am. oyster, Blue crab, Penaeid shrimp, Beaver, Mink, N. raccoon, River otter

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: James Island Yacht Club boat ramp

Collection Points: Nearest collection point is at the James Island Yacht Club

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): 50

Boom Type:

Booming Method: Protection/Exclusion

Protection Strategy: One 50' section of barrier boom across mouth of creek.



Name: James Island Yacht Club

Site ID:

SC30-30

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 45' 14.415" N

Longitude (DMS): 79° 55' 5.741" W

County: Charleston

Latitude (DD): 32.75400417

Longitude (DD): -79.91826140

SCAT Division: Charleston County Division 3

ESI Map: SC - 30

ESI Name: Charleston, SC

NOAA Chart: 11518_2

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 32079-G8

QUAD Name: Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SC DHEC - (888) 481-0125 SC DNR - (800) 922-5431

RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes

Habitat: Salt and brackish water marshes

Wildlife: Black & Wood duck, Clapper rail, Hooded merganser, shorebirds, wading birds, Greater & Lesser scaup, Atl. menhaden, Atl. sharpnose shark, Blacktip shark, Bluefish, Crevalle jack, rays, Seatrout, sharks, Southern flounder, Tarpon, Atl. sturgeon, Herring & shad, Shortnose sturgeon, Red drum, Spot, Spotted seatrout, Striped mullet, American oyster, Beaver, Mink, Northern raccoon, River otter, Bottlenose dolphin

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: James Island Yacht Club Boat Ramp

Collection Points: Nearest point is within the Yacht Club.

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): 1050'

Boom Type: Collection

Booming Method: Containment

Protection Strategy: One 1050' section of collection boom



Name: Fort Johnson

Site ID:

SC30-31

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 45' 7.963" N

Longitude (DMS): 79° 53' 57.600"

County: Charleston

Latitude (DD): 32.75221194

Longitude (DD): -79.89933346

SCAT Division: Charleston County Division 3

ESI Map: SC - 30

ESI Name: Charleston, SC

NOAA Chart: 11518_2

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 32079-G8

QUAD Name: Charleston

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

Contacts: SC DHEC - (888) 481-0125 SC DNR - (800) 922-5431

RESOURCES AT RISK INFORMATION

Shoreline Type: Gravel beaches, riprap, man-made structures

Habitat: N/A (Bulkhead/riprap)

Wildlife: Black skimmer, Gull-billed tern, Gulls and terns, Laughing gull, Royal tern, Amer. oystercatcher, shorebirds, Willet, Snowy egret, Tricolored heron, Double-crested cormorant, Clapper rail, Wading birds, Black duck, Common & Red-breasted merganser, Tarpon, Greater & Lesser scaup, Atl. sturgeon, Herring and shad, Atl. menhaden, Atl. sharpnose shark, Black & Red drum, Blacktip shark, Bluefish, sharks, Southern flounder, Spanish mackerel, Spot, Spotted seatrout, Striped mullet, Crevalle jack, rays, Seatrout, Amer. oyster, Bottlenose dolphin, Mink, Northern raccoon, River otter

Threaten/Endangered Species: Possible Shortnose sturgeon, West Indian manatee**Socio-Economic Resources:** Historical site, Water Intake

RESPONSE CONSIDERATIONS

Staging Area: James Island Yacht Club Boat Ramp or Fort Johnson**Collection Points:** Small boat basin can be used as collection point (200' boom)**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):** 600**Boom Type:** Hard**Booming Method:** Protection/Exclusion**Protection Strategy:** Salt water intakes on property; boom if possible.

GRP - Oil Spill Sensitive Site Report for Sector : Charleston**GRP Map #****SC-30****Name: Fort Sumter (National Park Service)****Site ID:****SC30-32****Protection Priority (Season):** Spring: Summer: Fall: Winter: **Site Description:****GEOSPATIAL INFORMATION****Latitude (DMS):** 32° 45' 8.577" N**Longitude (DMS):** 79° 52' 30.253"**County:** Charleston**Latitude (DD):** 32.75238246**Longitude (DD):** -79.87507035**SCAT Division:** Charleston County Division 3**ESI Map:** SC - 30**ESI Name:** Charleston, SC**NOAA Chart:** 11518_2**CHART Name:** ICW CASINO CREEK TO BEAUFORT RIVER SIDE A**USGS Quad:** 32079-G8**QUAD Name:** Charleston**Managed Area (if applicable):** National Park Service**General Location:****CONTACT INFORMATION****Contacts:** SC DHEC - (888) 481-0125 SC DNR - (800) 922-5431**RESOURCES AT RISK INFORMATION****Shoreline Type:** Gravel (shell) beaches, exposed riprap structures**Habitat:** N/A (Riprap)**Wildlife:** Greater & Lesser scaup, wading birds, Atl. menhaden, Atl. sharpnose shark, Blacktip shark, Bluefish, Crevalle jack, rays, Seatrout, sharks, Southern flounder, Spanish mackerel, Tarpon, Atl. sturgeon, Herring & shad, Shortnose sturgeon, Bottlenose dolphin,**Threaten/Endangered Species:** Shortnose Sturgeon, possible West Indian manatee**Socio-Economic Resources:** Historic Site, High Tourist Concentration**RESPONSE CONSIDERATIONS****Staging Area:** James Island Boat Ramp or Sullivans Island Boat Ramp (SC-31)**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):****Boom Type:****Booming Method:** N/A**Protection Strategy:** No protection possible