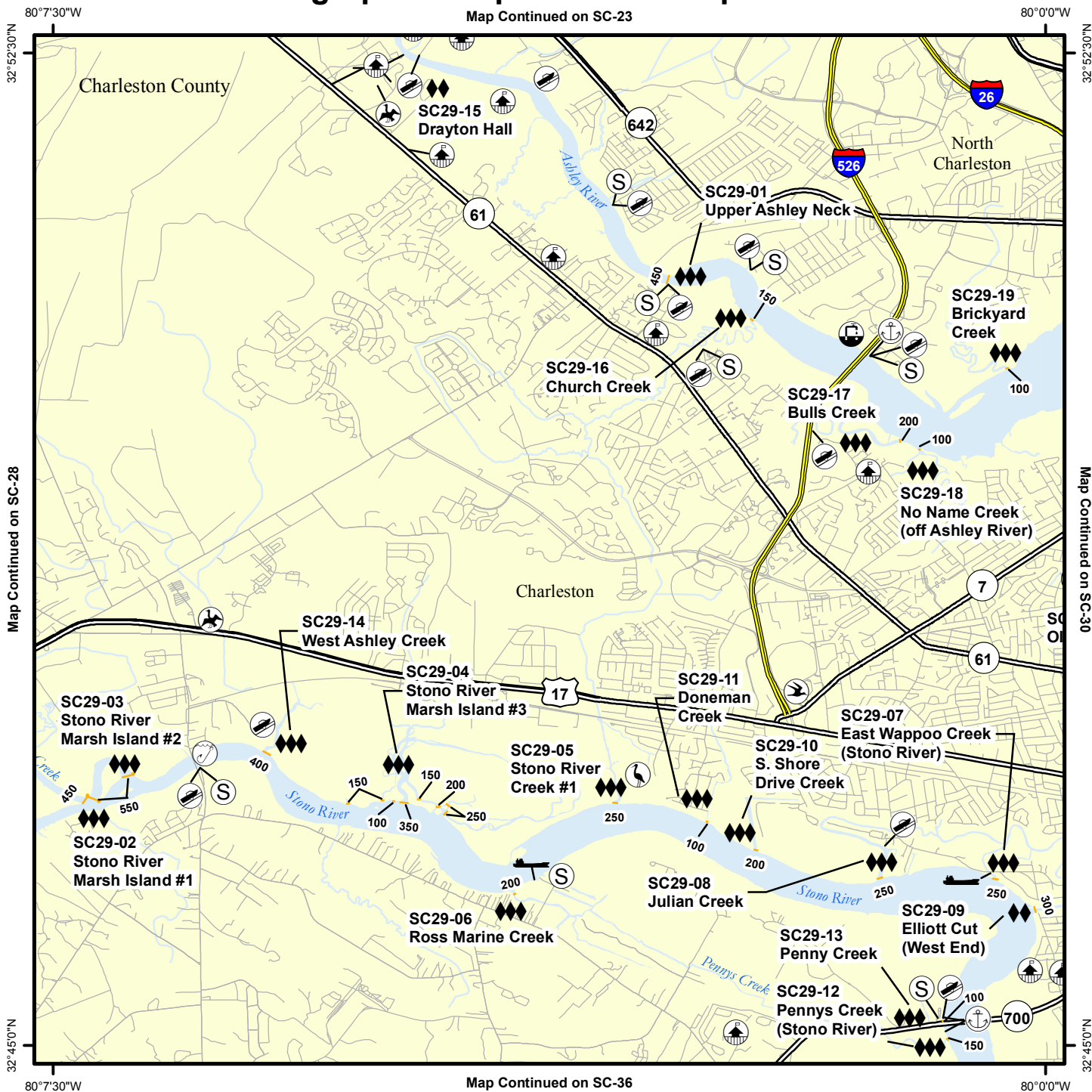


Geographic Response Plan Map: SC-29

Map Continued on SC-23



Map Continued on SC-28

Map Continued on SC-30

Map Continued on SC-36

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

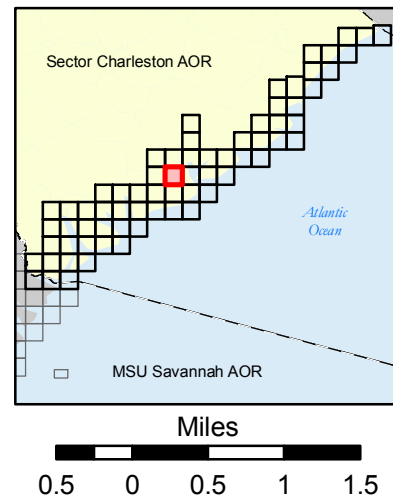
- (AQ) Aquaculture
- (BR) Boat Ramp
- (CG) Coast Guard
- (CF) Commercial Fishing
- (DBN) Diving birds Nesting Area
- (DOL) Dolphins
- (GTA) Gull/Tern Nesting Area
- (HS) Historical Site
- (MAN) Manatees
- (MAR) Marina
- (RNA) Raptor Nesting Area
- (RF) Recreational Fishing
- (STA) Sea Turtles
- (SNA)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



Fish and Wildlife Research Institute



Name: Upper Ashley Neck

Site ID:

SC29-01

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 50' 47.243" N

Longitude (DMS): 80° 2' 48.757" W

County: Charleston

Latitude (DD): 32.84645640

Longitude (DD): -80.04687689

SCAT Division: Charleston County Division 3

ESI Map: SC - 29

ESI Name: Johns Island, SC

NOAA Chart: 11524_3

CHART Name: CONTINUATION OF ASHLEY RIVER

USGS Quad: 32080-G1

QUAD Name: Johns Island

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

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

RESOURCES AT RISK INFORMATION

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

Habitat: Highly sensitive salt and brackish water marshes

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

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Private Resident's Boat Ramp

Collection Points:

Area Access:

Spill Risk:

Response Resources:

PROTECTION STRATEGY INFORMATION

Tidal Range (FT):

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT): 500

Boom Type: Hard

Booming Method: Protection/Exclusion

Protection Strategy: 500' Barrier boom to protect Upper Ashley River



Name: Stono River Marsh Island #1

Site ID:

SC29-02

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 46' 52.134" N

Longitude (DMS): 80° 7' 13.652" W

County: Charleston

Latitude (DD): 32.78114837

Longitude (DD): -80.12045897

SCAT Division: Charleston County Division 3

ESI Map: SC - 29

ESI Name: Johns Island, SC

NOAA Chart: 11518_3

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A UU-VV

USGS Quad: 32080-G1

QUAD Name: Johns Island

Managed Area (if applicable):

General Location: Intersection of Rantowles Creek, Stono River Intracoastal Waterway, and Marsh Island

CONTACT INFORMATION

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

RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes, sheltered tidal flats/oyster beds, exposed tidal flats, sheltered scarps in marsh/mud

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

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

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: John P. Limehouse Boat Ramp

Collection Points:

Area Access:

Spill Risk:

Response Resources:

PROTECTION STRATEGY INFORMATION

Tidal Range (FT):

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT): 1000

Boom Type: Hard

Booming Method: Protection/Exclusion

Protection Strategy: 2 - 500' sections of barrier boom to protect Creek/Marsh



Name: Stono River Marsh Island #2

Site ID:

SC29-03

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 47' 0.378" N

Longitude (DMS): 80° 6' 55.943" W

County: Charleston

Latitude (DD): 32.78343838

Longitude (DD): -80.11553970

SCAT Division: Charleston County Division 3

ESI Map: SC - 29

ESI Name: Johns Island, SC

NOAA Chart: 11518_3

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A UU-VV

USGS Quad: 32080-G1

QUAD Name: Johns Island

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

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

RESOURCES AT RISK INFORMATION

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

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

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

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: John P. Limehouse Boat Ramp

Collection Points:

Area Access:

Spill Risk:

Response Resources:

PROTECTION STRATEGY INFORMATION

Tidal Range (FT):

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT): 700

Boom Type: Hard

Booming Method: Protection/Exclusion

Protection Strategy: 700' barrier boom to protect marsh



Name: Stono River Marsh Island #3

Site ID:

SC29-04

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 46' 46.265" N

Longitude (DMS): 80° 4' 44.197" W

County: Charleston

Latitude (DD): 32.77951803

Longitude (DD): -80.07894354

SCAT Division: Charleston County Division 3

ESI Map: SC - 29

ESI Name: Johns Island, SC

NOAA Chart: 11518_3

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A UU-VV

USGS Quad: 32080-G1

QUAD Name: Johns Island

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

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

RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes, sheltered tidal flats/oyster beds, gravel (shell) beaches

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

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

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: John P. Limehouse Boat Ramp

Collection Points:

Area Access:

Spill Risk:

Response Resources:

PROTECTION STRATEGY INFORMATION

Tidal Range (FT):

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT): 1400

Boom Type: Hard

Booming Method: Protection/Exclusion

Protection Strategy: 4 -100' and 5 - 200' sections of boom to protect inlets into small bay



Name: Stono River Creek #1

Site ID:

SC29-05

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 46' 53.215" N

Longitude (DMS): 80° 3' 13.247" W

County: Charleston

Latitude (DD): 32.78144854

Longitude (DD): -80.05367963

SCAT Division: Charleston County Division 3

ESI Map: SC - 29

ESI Name: Johns Island, SC

NOAA Chart: 11518_3

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A UU-VV

USGS Quad: 32080-G1

QUAD Name: Johns Island

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

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

RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes, sheltered solid man-made structures, sheltered scarps in marsh/mud

Habitat: Highly sensitive salt and brackish water marshes

Wildlife: Common, Hooded & Red-breasted merganser, Black & Wood duck, Clapper rail, shorebirds, wading birds, Great & Snowy egret, Green-backed & Tricolored heron, Atl. croaker, Atl. menhaden, Atl. sharpnose shark, Atl. stingray, Black & Red drum, Mummichog, Seatrout, Southern & Summer flounder, Spot, Spotted seatrout, Striped mullet, Atl. sturgeon, Herring & Shad, Shortnose sturgeon, American oyster, Blue crab, Penaeid shrimp, Beaver, Mink, Northern raccoon, River otter

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: John P. Limehouse Boat Ramp, Ross Marine Boat Ramp

Collection Points:

Area Access:

Spill Risk:

Response Resources:

PROTECTION STRATEGY INFORMATION

Tidal Range (FT):

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT): 200

Boom Type: Hard

Booming Method: Protection/Exclusion

Protection Strategy: 200' barrier boom to protect creek



Name: Ross Marine Creek

Site ID:

SC29-06

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 46' 10.901" N

Longitude (DMS): 80° 4' 1.076" W

County: Charleston

Latitude (DD): 32.76969483

Longitude (DD): -80.06696557

SCAT Division: Charleston County Division 3

ESI Map: SC - 29

ESI Name: Johns Island, SC

NOAA Chart: 11518_3

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A UU-VV

USGS Quad: 32080-G1

QUAD Name: Johns Island

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

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

RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes, fine-grained sand beaches, sheltered solid man-made structures, scarps and steep slopes in sand**Habitat:** Highly sensitive salt and brackish water marshes**Wildlife:** Common, Hooded & Red-breasted merganser, Black & Wood duck, Clapper rail, shorebirds, wading birds, Atl. croaker, Atl. menhaden, Atl. sharpnose shark, Atl. stingray, Black & Red drum, Mummichog, Seatrout, Southern & Summer flounder, Spotted seatrout, Spot, Striped mullet, Atl. sturgeon, Herring & shad, Shortnose sturgeon, American oyster, Blue crab, Penaeid shrimp, Beaver, Mink, Northern raccoon, River otter**Threaten/Endangered Species:** Shortnose sturgeon, possible West Indian Manatee**Socio-Economic Resources:**

RESPONSE CONSIDERATIONS

Staging Area: Ross Marine Boat Ramp**Collection Points:****Area Access:****Spill Risk:****Response Resources:**

PROTECTION STRATEGY INFORMATION

Tidal Range (FT):**Average Current (KTS):****Ease of Protection:****Min. Boom Length (FT):** 200**Boom Type:** Hard**Booming Method:** Protection/Exclusion**Protection Strategy:** 200' barrier boom to protect creek

Name: East Wappoo Creek (Stono River)

Site ID:

SC29-07

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 46' 17.418" N

Longitude (DMS): 80° 0' 23.373" W

County: Charleston

Latitude (DD): 32.77150510

Longitude (DD): -80.00649238

SCAT Division: Charleston County Division 3

ESI Map: SC - 29

ESI Name: Johns Island, SC

NOAA Chart: 11518_2

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 32080-G1

QUAD Name: Johns Island

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

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

RESOURCES AT RISK INFORMATION

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

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

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

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Wappoo Cut Boat Ramp, John P. Limehouse Boat Ramp

Collection Points:

Area Access:

Spill Risk:

Response Resources:

PROTECTION STRATEGY INFORMATION

Tidal Range (FT):

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT): 300

Boom Type: Hard

Booming Method: Protection/Exclusion

Protection Strategy: 300' barrier boom to protect creek



Name: Julian Creek

Site ID:

SC29-08

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 46' 17.276" N

Longitude (DMS): 80° 1' 14.944" W

County: Charleston

Latitude (DD): 32.77146555

Longitude (DD): -80.02081790

SCAT Division: Charleston County Division 3

ESI Map: SC - 29

ESI Name: Johns Island, SC

NOAA Chart: 11518_2

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 32080-G1

QUAD Name: Johns Island

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

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

RESOURCES AT RISK INFORMATION

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

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

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

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: John P. Limehouse Boat Ramp, Local (unknown) Boat Ramp

Collection Points:

Area Access:

Spill Risk:

Response Resources:

PROTECTION STRATEGY INFORMATION

Tidal Range (FT):

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT): 250

Boom Type: Hard

Booming Method: Protection/Exclusion

Protection Strategy: 250' barrier boom to protect creek



Name: Elliott Cut (West End)

Site ID:

SC29-09

Protection Priority (Season):

Spring:

Summer:

Fall:

Winter:

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 46' 2.103" N

Longitude (DMS): 80° 0' 4.076" W

County: Charleston

Latitude (DD): 32.76725096

Longitude (DD): -80.00113225

SCAT Division: Charleston County Division 3

ESI Map: SC - 29

ESI Name: Johns Island, SC

NOAA Chart: 11518_2

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 32080-G1

QUAD Name: Johns Island

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

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

RESOURCES AT RISK INFORMATION

Shoreline Type: Sheltered solid man-made structures, exposed riprap structures

Habitat:

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

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Wappoo Cut Boat Ramp

Collection Points:

Area Access:

Spill Risk:

Response Resources:

PROTECTION STRATEGY INFORMATION

Tidal Range (FT):

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT): 300

Boom Type: Hard

Booming Method: Containment,
Protection/Exclusion

Protection Strategy: 300' barrier boom to contain/protect Elliott Creek



Name: S. Shore Drive Creek

Site ID:

SC29-10

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 46' 32.305" N

Longitude (DMS): 80° 2' 11.102" W

County: Charleston

Latitude (DD): 32.77564035

Longitude (DD): -80.03641729

SCAT Division: Charleston County Division 3

ESI Map: SC - 29

ESI Name: Johns Island, SC

NOAA Chart: 11518_3

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A UU-VV

USGS Quad: 32080-G1

QUAD Name: Johns Island

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

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

RESOURCES AT RISK INFORMATION

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

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

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

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Ross Marine Boat Ramp, Wappoo Cut Boat Ramp

Collection Points:

Area Access:

Spill Risk:

Response Resources:

PROTECTION STRATEGY INFORMATION

Tidal Range (FT):

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT): 200

Boom Type: Hard

Booming Method: Protection/Exclusion

Protection Strategy: 200' barrier boom to protect creek



Name: Doneman Creek

Site ID:

SC29-11

Protection Priority (Season):

Spring: Summer: Fall: Winter:

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 46' 43.839" N

Longitude (DMS): 80° 2' 32.788" W

County: Charleston

Latitude (DD): 32.77884428

Longitude (DD): -80.04244102

SCAT Division: Charleston County Division 3

ESI Map: SC - 29

ESI Name: Johns Island, SC

NOAA Chart: 11518_3

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A UU-VV

USGS Quad: 32080-G1

QUAD Name: Johns Island

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

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

RESOURCES AT RISK INFORMATION

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

Habitat: Highly sensitive salt and brackish water marshes

Wildlife: Common, Hooded & Red-breasted merganser, Black & Wood duck, Clapper rail, shorebirds, wading birds, Least tern, Great & Snowy egret, Green-backed & Tricolored heron, Atl. croaker, Atl. menhaden, Atl. sharpnose shark, Atl. stingray, Black & Red drum, Mummichog, Seatrout, Southern & Summer flounder, Spot, Spotted seatrout, Striped mullet, Atl. sturgeon, Herring & Shad, Shortnose sturgeon, American oyster, Blue crab, Penaeid shrimp, Beaver, Mink, Northern raccoon, River otter

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: Ross Marine Boat Ramp, Wappoo Cut Boat Ramp

Collection Points:

Area Access:

Spill Risk:

Response Resources:

PROTECTION STRATEGY INFORMATION

Tidal Range (FT):

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT): 100

Boom Type: Hard

Booming Method: Protection/Exclusion

Protection Strategy: 100' barrier boom to protect creek



Name: Pennys Creek (Stono River)

Site ID:

SC29-12

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 45' 3.621" N

Longitude (DMS): 80° 0' 44.881" W

County: Charleston

Latitude (DD): 32.75100577

Longitude (DD): -80.01246692

SCAT Division: Charleston County Division 3

ESI Map: SC - 29

ESI Name: Johns Island, SC

NOAA Chart: 11518_2

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 32080-G1

QUAD Name: Johns Island

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

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

RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes

Habitat: Highly sensitive salt and brackish water marshes

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

Threaten/Endangered Species: Shortnose sturgeon, possible West Indian Manatee**Socio-Economic Resources:**

RESPONSE CONSIDERATIONS

Staging Area: St. Johns Yacht Harbor Boat Ramp**Collection Points:****Area Access:****Spill Risk:****Response Resources:**

PROTECTION STRATEGY INFORMATION

Tidal Range (FT):**Average Current (KTS):****Ease of Protection:****Min. Boom Length (FT):** 200**Boom Type:** Hard**Booming Method:** Protection/Exclusion**Protection Strategy:** 200' barrier boom to protect Pennys Creek

Name: Penny Creek

Site ID:

SC29-13

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 45' 10.798" N

Longitude (DMS): 80° 0' 46.635" W

County: Charleston

Latitude (DD): 32.75299955

Longitude (DD): -80.01295417

SCAT Division: Charleston County Division 3

ESI Map: SC - 29

ESI Name: Johns Island, SC

NOAA Chart: 11518_2

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A

USGS Quad: 32080-G1

QUAD Name: Johns Island

Managed Area (if applicable):

General Location: North of Pennys Creek; other side of highway

CONTACT INFORMATION

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

RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes, sheltered scarps in marsh/mud

Habitat: Highly sensitive salt and brackish water marshes

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

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: St. Johns Yacht Harbor Boat Ramp

Collection Points:

Area Access:

Spill Risk:

Response Resources:

PROTECTION STRATEGY INFORMATION

Tidal Range (FT):

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT): 100

Boom Type: Hard

Booming Method: Protection/Exclusion

Protection Strategy: 100' barrier boom to protect creek



Name: West Ashley Creek

Site ID:

SC29-14

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 47' 14.995" N

Longitude (DMS): 80° 5' 51.328" W

County: Charleston

Latitude (DD): 32.78749859

Longitude (DD): -80.09759098

SCAT Division: Charleston County Division 3

ESI Map: SC - 29

ESI Name: Johns Island, SC

NOAA Chart: 11518_3

CHART Name: ICW CASINO CREEK TO BEAUFORT RIVER SIDE A UU-VV

USGS Quad: 32080-G1

QUAD Name: Johns Island

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, scarps and steep slopes in sand

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

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

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area:

Collection Points:

Area Access:

Spill Risk:

Response Resources:

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' boom to protect creek



GRP - Oil Spill Sensitive Site Report for Sector : Charleston**GRP Map #****SC-29****Name:** Drayton Hall**Site ID:****SC29-15****Protection Priority (Season):** Spring: ☐ Summer: ☐ Fall: ☐ Winter: ☐**Site Description:****GEOSPATIAL INFORMATION****Latitude (DMS):** 32° 52' 14.426" N**Longitude (DMS):** 80° 4' 35.467" W**County:** Charleston**Latitude (DD):** 32.87067383**Longitude (DD):** -80.07651859**SCAT Division:** Charleston County Division 3**ESI Map:** SC - 29**ESI Name:** Johns Island, SC**NOAA Chart:** 11521_1**CHART Name:** CHARLESTON HARBOR AND APPROACHES**USGS Quad:** 32080-G1**QUAD Name:** Johns Island**Managed Area (if applicable):****General Location:****CONTACT INFORMATION****Contacts:** SCDNR 800-922-5431; SCDHEC 888-481-0125**RESOURCES AT RISK INFORMATION****Shoreline Type:** Salt and brackish water marshes, exposed riprap structures, sheltered solid man-made structures, exposed scarps in clay**Habitat:** Salt and brackish water marshes, freshwater swamps (woody vegetation)**Wildlife:** Black & Wood duck, Clapper rail, Hooded merganser, shorebirds, wading birds, Anhinga, Black-crowned night heron; Cattle, Great & Snowy egret; Green-backed heron, Little blue heron, Tricolored heron, Atl. croaker, Atl. menhaden, Atl. sharpnose shark, Spot, Atl. stingray, Black & Red drum, Mummichog, Seatrout, Southern & Summer flounder, Spotted seatrout, Striped mullet, Atl. sturgeon, Herring and shad, Shortnose sturgeon, Am. oyster, Blue crab, Penaeid shrimp, Beaver, Mink, Northern raccoon, River otter**Threaten/Endangered Species:** Shortnose sturgeon, possible West Indian Manatee**Socio-Economic Resources:** Historic site**RESPONSE CONSIDERATIONS****Staging Area:** Private boat ramp in Drayton on the Ashley subdivision**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):****Boom Type:****Booming Method:** N/A**Protection Strategy:** This is an historic site. No protection required.

Name: Church Creek

Site ID:

SC29-16

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 50' 29.444" N

Longitude (DMS): 80° 2' 14.035" W

County: Charleston

Latitude (DD): 32.84151211

Longitude (DD): -80.03723181

SCAT Division: Charleston County Division 3

ESI Map: SC - 29

ESI Name: Johns Island, SC

NOAA Chart: 11524_3

CHART Name: CONTINUATION OF ASHLEY RIVER

USGS Quad: 32080-G1

QUAD Name: Johns Island

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

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

RESOURCES AT RISK INFORMATION

Shoreline Type: Salt and brackish water marshes

Habitat: High sensitivity salt and brackish water marshes

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

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

RESPONSE CONSIDERATIONS

Staging Area: SR 61 Bridge crosses creek 0.75 miles upstream from creek mouth (private boat ramps just south RR bridge); private boat ramp in Drayton subdivision just North of RR bridge; public boat ramp across Ashley River in Wando Woods subdivision (Flynn Street).

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:** Hard**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-29****Name:** Bulls Creek**Site ID:****SC29-17****Protection Priority (Season):** Spring: Summer: Fall: Winter: **Site Description:****GEOSPATIAL INFORMATION****Latitude (DMS):** 32° 49' 34.264" N**Longitude (DMS):** 80° 1' 5.848" W**County:** Charleston**Latitude (DD):** 32.82618457**Longitude (DD):** -80.01829110**SCAT Division:** Charleston County Division 3**ESI Map:** SC - 29**ESI Name:** Johns Island, SC**NOAA Chart:** 11524_3**CHART Name:** CONTINUATION OF ASHLEY RIVER**USGS Quad:** 32080-G1**QUAD Name:** Johns Island**Managed Area (if applicable):****General Location:****CONTACT INFORMATION****Contacts:** SCDNR 800-922-5431; SCDHEC 888-481-0125**RESOURCES AT RISK INFORMATION****Shoreline Type:** Salt and brackish water marshes, sheltered tidal flats/oyster beds**Habitat:** High sensitivity salt and brackish water marshes, sheltered tidal flats/oyster beds**Wildlife:** Common, Hooded & Red-breasted merganser, Black & Wood duck, Clapper rail, shorebirds, wading birds, Atl. croaker, Atl. menhaden, Atl. sharpnose shark, Atl. stingray, Black & Red drum, Mummichog, Seatrout, Southern & Summer flounder, Spotted seatrout, Spot, Striped mullet, Atl. sturgeon, Herring and Shad, Shortnose sturgeon, American oyster, Blue crab, Penaeid shrimp, Beaver, Mink, Northern raccoon, River otter, Osprey, Bottlenose dolphin**Threaten/Endangered Species:** Possible Shortnose Sturgeon (SNS) habitat, West Indian manatee**Socio-Economic Resources:****RESPONSE CONSIDERATIONS****Staging Area:** County Park Boat Landings (Duncan's Marina, Pierpont 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:** Hard**Booming Method:** Protection/Exclusion**Protection Strategy:** 200' of barrier boom across mouth of creek

Name: No Name Creek (off Ashley River)

Site ID:

SC29-18

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

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 49' 31.358" N

Longitude (DMS): 80° 0' 58.864" W

County: Charleston

Latitude (DD): 32.82537715

Longitude (DD): -80.01635117

SCAT Division: Charleston County Division 3

ESI Map: SC - 29

ESI Name: Johns Island, SC

NOAA Chart: 11524_3

CHART Name: CONTINUATION OF ASHLEY RIVER

USGS Quad: 32080-G1

QUAD Name: Johns Island

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

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

RESOURCES AT RISK INFORMATION

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

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

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

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: County Park Boat Landings (Duncan's Marina, Pierpont 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: Hard

Booming Method: Protection/Exclusion

Protection Strategy: 100' of barrier boom across mouth of creek



Name: Brickyard Creek

Site ID:

SC29-19

Protection Priority (Season):

Spring:

A

Summer:

A

Fall:

A

Winter:

A

Site Description:

GEOSPATIAL INFORMATION

Latitude (DMS): 32° 50' 6.840" N

Longitude (DMS): 80° 0' 15.168" W

County: Charleston

Latitude (DD): 32.83523333

Longitude (DD): -80.00421334

SCAT Division: Charleston County Division 3

ESI Map: SC - 29

ESI Name: Johns Island, SC

NOAA Chart: 11524_1

CHART Name: CHARLESTON HARBOR

USGS Quad: 32080-G1

QUAD Name: Johns Island

Managed Area (if applicable):

General Location:

CONTACT INFORMATION

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

RESOURCES AT RISK INFORMATION

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

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

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

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

Socio-Economic Resources:

RESPONSE CONSIDERATIONS

Staging Area: County Park Boat Landings (Duncan's Marina, Pierpont 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): 500

Boom Type: Hard

Booming Method: Protection/Exclusion

Protection Strategy: 500' of barrier boom across mouth of creek as depicted on map

