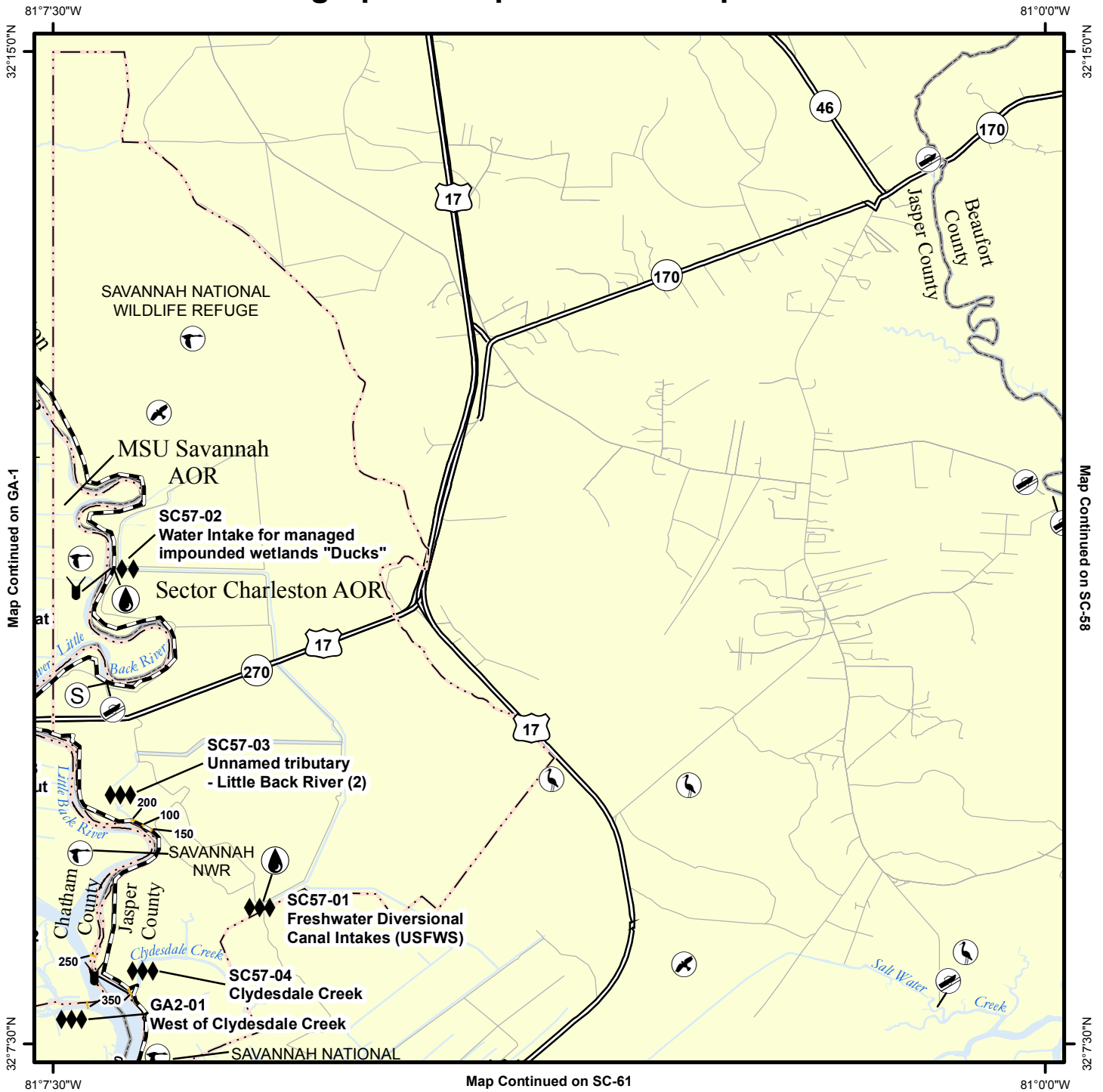


# Geographic Response Plan Map: SC-57



## 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

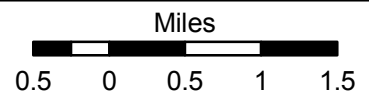
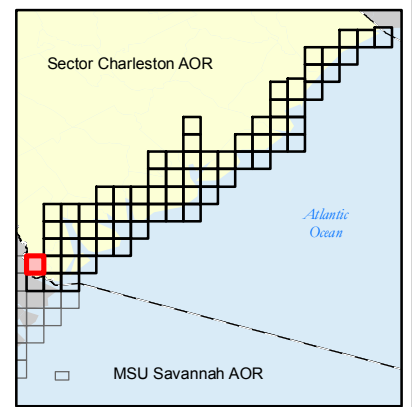
- (AQ) Aquaculture
- (BR) Boat Ramp
- (CG) Coast Guard
- (CF) Commercial Fishing
- (DBN) Diving birds Nesting Area
- (DOL) Dolphins
- (GTTN) Gull/Tern Nesting Area
- (HS) Historical Site
- (MAN) Manatees
- (MAR) Marina
- (RNA) Raptor Nesting Area
- (RF) Recreational Fishing
- (ST) Sea Turtles
- (SNA)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



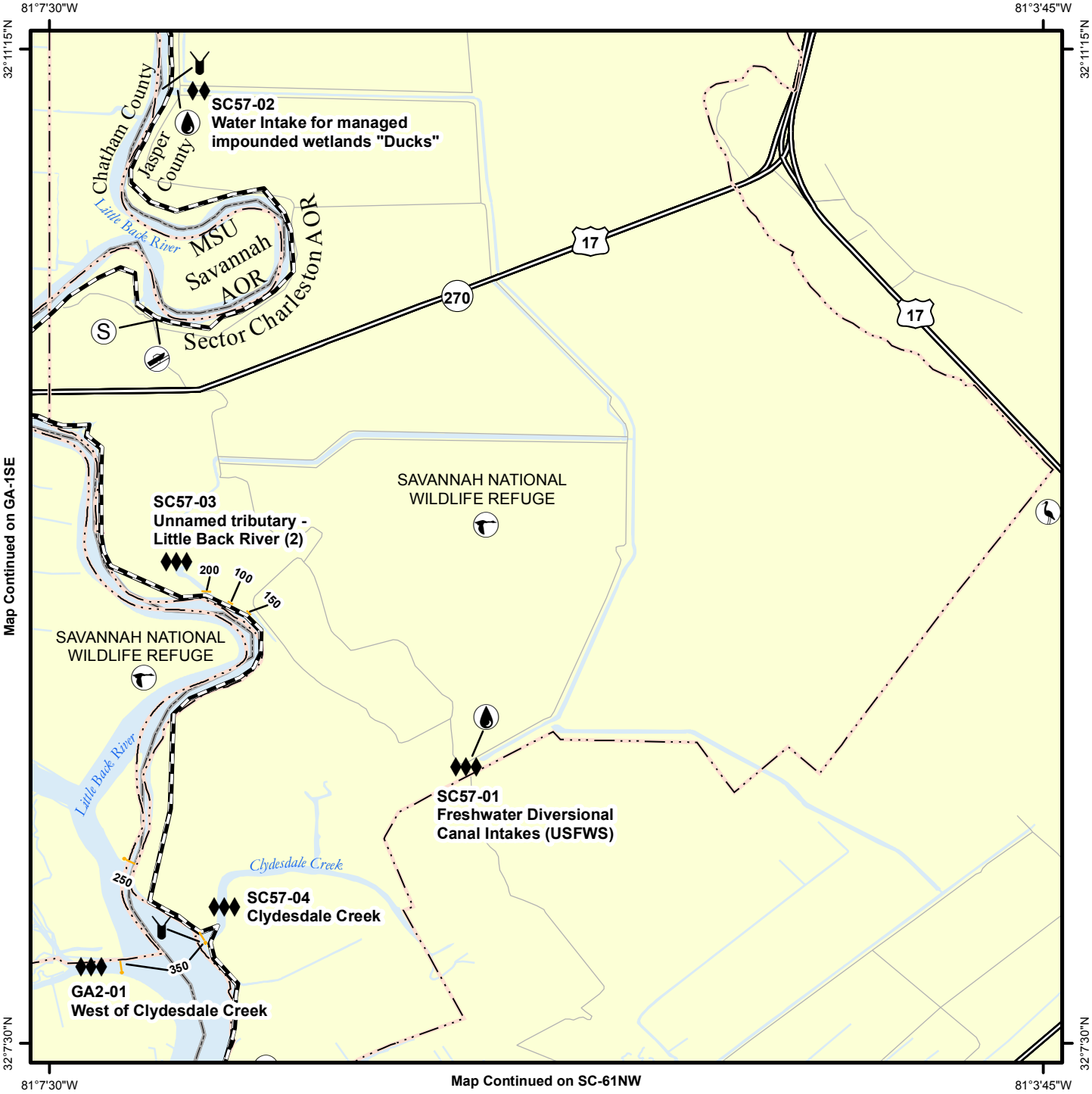
US Coast Guard  
Sector Charleston



Fish and Wildlife  
Research Institute



# Geographic Response Plan Map: SC-57SW



## Legend

### Environmentally Sensitive Areas

#### Protection Priority - Summer

- ◆◆◆ A - Protect First - Highest Priority
- ◆◆ B - Protect after A Areas - Medium Priority
- ◆ C - Protect after B Areas - Lower Priority
- ▲ Collection Point
- ▼ Skimmer
- Ⓢ Staging Areas
- Ⓡ Oil Spill Risk Locations
- ⓔ Equipment Storage Locations
- Port Facilities
- General Response Strategy (Length in Ft)
- State Managed Area Boundary
- Federal Managed Area Boundary
- County Boundary/State Waters
- US Coast Guard Sector AOR

### Bio-SocEcon

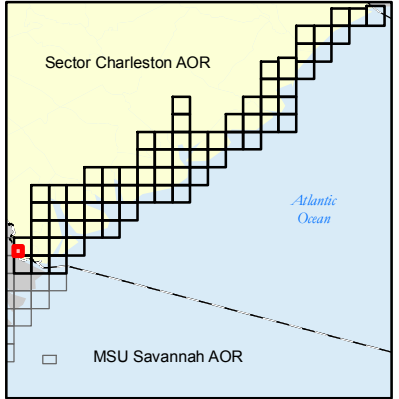
- Ⓐ Aquaculture
- Ⓡ Boat Ramp
- Ⓢ Coast Guard
- Ⓢ Commercial Fishing
- Ⓢ Diving birds Nesting Area
- Ⓢ Dolphin
- Ⓢ Gull/Tern Nesting Area
- Ⓢ Historical Site
- Ⓢ Manatee
- Ⓢ Marina
- Ⓢ Raptor Nesting Area
- Ⓢ Recreational Fishing
- Ⓢ Sea Turtle
- Ⓢ Shorebird Nesting Area
- Ⓢ Wading birds Nesting Area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



US Coast Guard  
Sector Charleston



Fish and Wildlife  
Research Institute



Miles

0.5 0 0.5

Name: Freshwater Diversional Canal Intakes (USFWS)

Site ID:

SC57-01

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

Site Description: Water intake on river, leading to wetlands

## GEOSPATIAL INFORMATION

Latitude (DMS): 32° 8' 32.600" N

Longitude (DMS): 81° 5' 55.694" W

County: Jasper

Latitude (DD): 32.14238909

Longitude (DD): -81.09880391

SCAT Division: Jasper County Division 2

ESI Map: SC - 57

ESI Name: Limehouse, SC-GA

NOAA Chart: 11514\_1

CHART Name: SAVANNAH RIVER SAVANNAH TO BRIER CREEK SIDE A

USGS Quad: 32081-B1

QUAD Name: Limehouse

Managed Area (if applicable): US Fish and Wildlife Service

General Location: Savannah National Wildlife Refuge

## CONTACT INFORMATION

Contacts: USFWS (843)784-9911; SCDHEC (888)481-0125; SCDNR (800)922-5431

## RESOURCES AT RISK INFORMATION

Shoreline Type: Freshwater marshes (herbaceous vegetation)

Habitat: Supply canal which floods 3,000 acres of managed wetlands. Freshwater marshes (herbaceous vegetation)

Wildlife: Bald Eagle, waterfowl, game fish, Black & Wood duck, Clapper rail, shorebirds, wading birds, Hooded merganser, American wigeon, Blue-winged & Green-winged teal, Bufflehead, Canvasback, Gadwall, Greater & Lesser scaup, Mallard, Mottled duck, Northern pintail, Northern shoveler, Redhead, Ring-necked duck, Ruddy duck, American alligator, Beaver, Mink, Northern raccoon, River otter

Threaten/Endangered Species: Bald eagle, waterfowl spp., possible Shortnose sturgeon, West Indian manatee

Socio-Economic Resources: Water intake. Intertidal marshes that flood should be considered highly sensitive and are primary habitat for fish, birds and plants. The coastal rivers and estuary systems support federally protected Shortnose Sturgeon and the West Indian Manatee in summer.

## RESPONSE CONSIDERATIONS

Staging Area:

Collection Points:

Area Access:

Spill Risk: Port of Savannah/River

Response Resources:

## PROTECTION STRATEGY INFORMATION

Tidal Range (FT): 6-9

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT):

Boom Type:

Booming Method:

Protection Strategy: Refuge protocol is to shut all intakes to avoid contamination of managed wetlands during a spill.



Name: Water Intake for managed impounded wetlands "Ducks"

Site ID:

SC57-02

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

Site Description: Water intake on river, leading to wetlands

## GEOSPATIAL INFORMATION

Latitude (DMS): 32° 11' 5.679" N

Longitude (DMS): 81° 7' 0.347" W

County: Jasper

Latitude (DD): 32.18491057

Longitude (DD): -81.11676287

SCAT Division: Jasper County Division 2

ESI Map: SC - 57

ESI Name: Limehouse, SC-GA

NOAA Chart: 11514\_1

CHART Name: SAVANNAH RIVER SAVANNAH TO BRIER CREEK SIDE A

USGS Quad: 32081-B1

QUAD Name: Limehouse

Managed Area (if applicable): US Fish and Wildlife Service

General Location:

## CONTACT INFORMATION

Contacts: USFWS (843)784-9911; SCDHEC (888)481-0125; SCDNR (800)922-5431

## RESOURCES AT RISK INFORMATION

Shoreline Type: Freshwater marshes (herbaceous vegetation)

Habitat: Freshwater marshes (herbaceous vegetation)

Wildlife: Manatee, Bald eagle, waterfowl, game fish, Black duck, Clapper rail, shorebirds, wading birds, Hooded merganser, Wood duck, American wigeon, Blue-winged teal, Bufflehead, Canvasback, Gadwall, Greater scaup, Gree-winged teal, Lesser scaup, Mallard, Mottled duck, Northern pintail, Northern shoveler, Redhead, Ring-necked duck, Ruddy duck, American alligator, Beaver, Mink, Northern raccoon, River otter

Threaten/Endangered Species: West Indian Manatee, Bald eagle, waterfowl spp., possible Shortnose sturgeon

Socio-Economic Resources: Water intake for Management Impoundment. Intertidal marshes that flood should be considered highly sensitive and are primary habitat for fish, birds and plants. The coastal rivers and estuary systems support federally protected Shortnose Sturgeon and the West Indian Manatee in summer.

## RESPONSE CONSIDERATIONS

Staging Area:

Collection Points:

Area Access:

Spill Risk: Port of Savannah/River

Response Resources:

## PROTECTION STRATEGY INFORMATION

Tidal Range (FT): 6-9

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT):

Boom Type:

Booming Method:

Protection Strategy: Refuge protocol is to shut all intakes to avoid contamination of managed wetlands during a spill.



Name: Unnamed tributary - Little Back River (2)

Site ID:

SC57-03

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

Site Description:

## GEOSPATIAL INFORMATION

Latitude (DMS): 32° 9' 11.926" N

Longitude (DMS): 81° 6' 54.025" W

County: Jasper

Latitude (DD): 32.15331326

Longitude (DD): -81.11500741

SCAT Division: Jasper County Division 2

ESI Map: SC - 57

ESI Name: Limehouse, SC-GA

NOAA Chart: 11514\_1

CHART Name: SAVANNAH RIVER SAVANNAH TO BRIER CREEK SIDE A

USGS Quad: 32081-B1

QUAD Name: Limehouse

Managed Area (if applicable):

General Location:

## CONTACT INFORMATION

Contacts: USFWS Savannah National Wildlife Refuge (843)784-9911; SCDHEC (888)481-0125; SCDNR (800)922-5431

## RESOURCES AT RISK INFORMATION

Shoreline Type: Freshwater marshes (herbaceous vegetation)

Habitat: High Sensitivity tidal freshwater marshes

Wildlife: Ospreys, diving birds, shorebirds, wading birds, Black & Wood duck, Clapper rail, Hooded merganser, Am. wigeon, Blue-winged & Green-winged teal, Bufflehead, Canvasback, Gadwall, Greater & Lesser scaup, Mallard, Mottled duck, Northern pintail, Northern shoveler, Redhead, Ring-necked duck, Ruddy duck, various fish species, Shortnose sturgeon, Am. oyster, Blue crab, Penaeid shrimp, Beaver, Mink, Northern raccoon, River otter, American alligator

Threaten/Endangered Species: Possible West Indian manatee, Alligator, Shortnose sturgeon

Socio-Economic Resources:

## RESPONSE CONSIDERATIONS

Staging Area: 'Private' boat ramp off Rt. 170 on Little Back River

Collection Points: None

Area Access: boat/helicopter

Spill Risk:

Response Resources:

## PROTECTION STRATEGY INFORMATION

Tidal Range (FT): 6-9

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT): 200

Boom Type: Hard, sorbent

Booming Method: Protection/Exclusion, Ensnarement

Protection Strategy: Establish protection strategy with 200' of hard boom. Boom adjacent tributaries with 100' and 150' sections (see map).



Name: Clydesdale Creek

Site ID:

SC57-04

Protection Priority (Season):

Spring:

Summer:

Fall:

Winter:

Site Description:

## GEOSPATIAL INFORMATION

Latitude (DMS): 32° 7' 55.239" N

Longitude (DMS): 81° 6' 52.808" W

County: Jasper

Latitude (DD): 32.13201087

Longitude (DD): -81.11466861

SCAT Division: Jasper County Division 2

ESI Map: SC - 57

ESI Name: Limehouse, SC-GA

NOAA Chart: 11514\_1

CHART Name: SAVANNAH RIVER SAVANNAH TO BRIER CREEK SIDE A

USGS Quad: 32081-B1

QUAD Name: Limehouse

Managed Area (if applicable):

General Location:

## CONTACT INFORMATION

Contacts: USFWS Savannah National Wildlife Refuge (843)784-9911; SCDHEC (888)481-0125; SCDNR (800)922-5431

## RESOURCES AT RISK INFORMATION

Shoreline Type: Freshwater marshes (herbaceous vegetation)

Habitat: High Sensitivity tidal freshwater marsh and freshwater impoundment systems.

Wildlife: Ospreys, diving birds, shorebirds, wading birds, Black & Wood duck, Clapper rail, Hooded merganser, Am. wigeon, Blue-winged & Green-winged teal, Bufflehead, Canvasback, Gadwall, Greater & Lesser scaup, Mallard, Mottled duck, Northern pintail, Northern shoveler, Redhead, Ring-necked duck, Ruddy duck, various fish species, Shortnose sturgeon, Am. oyster, Blue crab, Penaeid shrimp, Beaver, Mink, Northern raccoon, River otter, American alligator

Threaten/Endangered Species: Bald Eagle, American alligator - feeding, possible Shortnose sturgeon, West Indian manatee

Socio-Economic Resources:

## RESPONSE CONSIDERATIONS

Staging Area: 'Private' boat ramp off Rt. 170 on Little Back River

Collection Points: None

Area Access: boat/helicopter

Spill Risk:

Response Resources: Savannah (MSU and commercial)

## PROTECTION STRATEGY INFORMATION

Tidal Range (FT): 6-9

Average Current (KTS):

Ease of Protection:

Min. Boom Length (FT): 350

Boom Type: Hard

Booming Method: Protection/Exclusion

Protection Strategy: Establish Protection/Exclusion strategy with 350' hard boom directly across from location.



Name: West of Clydesdale Creek

Site ID:

GA2-01

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

Site Description: National Wildlife Refuge, marshland refuge area

## GEOSPATIAL INFORMATION

Latitude (DMS): 32° 7' 47.642" N

Longitude (DMS): 81° 7' 17.362" W

County: Chatham

Latitude (DD): 32.12990048

Longitude (DD): -81.12148935

SCAT Division: Chatham County Division 1

ESI Map: GA - 2

ESI Name: Limehouse, SC-GA

NOAA Chart: 11514\_1

CHART Name: SAVANNAH RIVER SAVANNAH TO BRIER CREEK SIDE A

USGS Quad: 32081-B1

QUAD Name: Limehouse

Managed Area (if applicable): Savannah National Wildlife Refuge

General Location: S.C. (Across from Talmadge Bridge 6-9 miles away)

## CONTACT INFORMATION

**Contacts:** US Fish & Wildlife Service - Savannah NWR (manager) 843-784-9911 or 912-313-1366; USFWS - Coastal Sub Office: GA Ecological Services 912-832-8739; GA DNR 800-241-4113; SCDHEC 888-481-0125; NOAA - SSC (USCG District 7) 305-530-7931; DOI - Regional Environmental Officer 404-331-4524 or 215-597-5378

## RESOURCES AT RISK INFORMATION

**Shoreline Type:** Freshwater marshes**Habitat:** High sensitivity tidal freshwater marshes, wetlands

**Wildlife:** American alligator, ospreys, shorebirds, wading birds, Am. wigeon, Black duck, Blue-winged & Green-winged teal, Bufflehead, Canvasback, Gadwall, Greater & Lesser scaup, Mallard, Mottled duck, Northern pintail, Northern shoveler, Redhead, Ruddy duck, Ring-necked duck, Wood duck, Amer. swallow-tailed kite, Amer. oyster, Blue crab, Brown & Grass shrimp, Knobbed whelk, Pink & White shrimp, Quahog spp., various fish species

**Threaten/Endangered Species:** Bald eagle, American alligator - feeding, possible Shortnose sturgeon, West Indian manatee**Socio-Economic Resources:**

## RESPONSE CONSIDERATIONS

**Staging Area:** US Fish and Wildlife Shop Maintenance Area**Collection Points:****Area Access:** boat/helicopter**Spill Risk:****Response Resources:** Equipment sites: E-2,3,17. Laurel Hill Drive has the nearest additional response resources.

## PROTECTION STRATEGY INFORMATION

**Tidal Range (FT):** 6-9**Average Current (KTS):****Ease of Protection:****Min. Boom Length (FT):** 300**Boom Type:****Booming Method:** Protection/Exclusion**Protection Strategy:** Establish Protection/Exclusion strategy with 300' hard boom