

# Shallow Draft Dredging Activities in the Charleston District

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Charleston District

South Atlantic Division

January 18, 2012



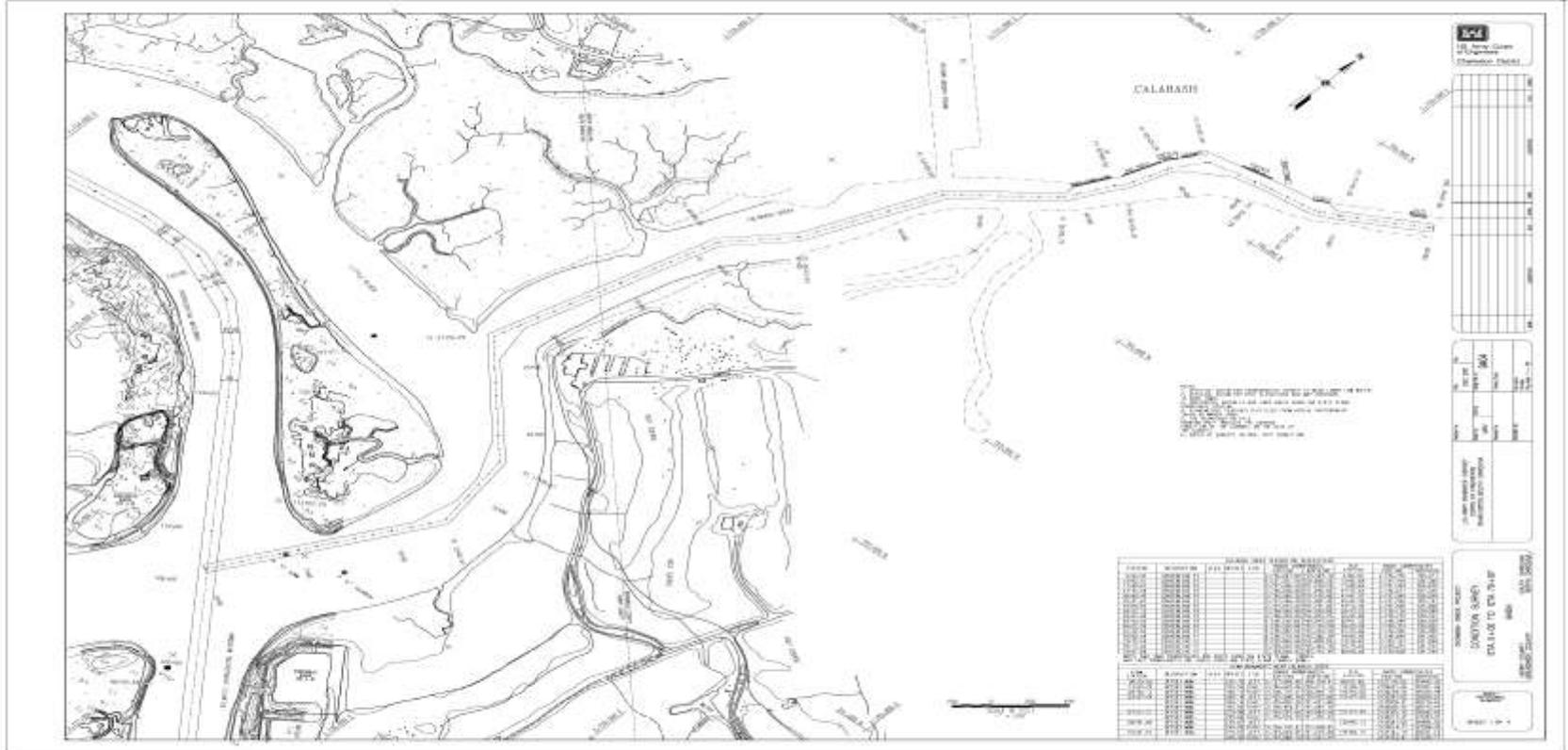
US Army Corps of Engineers  
**BUILDING STRONG®**



# Navigation Projects in South Carolina



# Calabash Creek



# Calabash Creek

- Projected completed in 2000
- 7 FT deep by 60FT channel 1 M
- 8 FT deep by 60 FT channel .5M
- Most places @12 FT and 90 FT wide now
- Last dredged 2002
- Volume 2200 cyds
- Hydraulic
- Sediment Sand/Mud
- Confined Disposal Facility
- FY 12 Funds-\$0



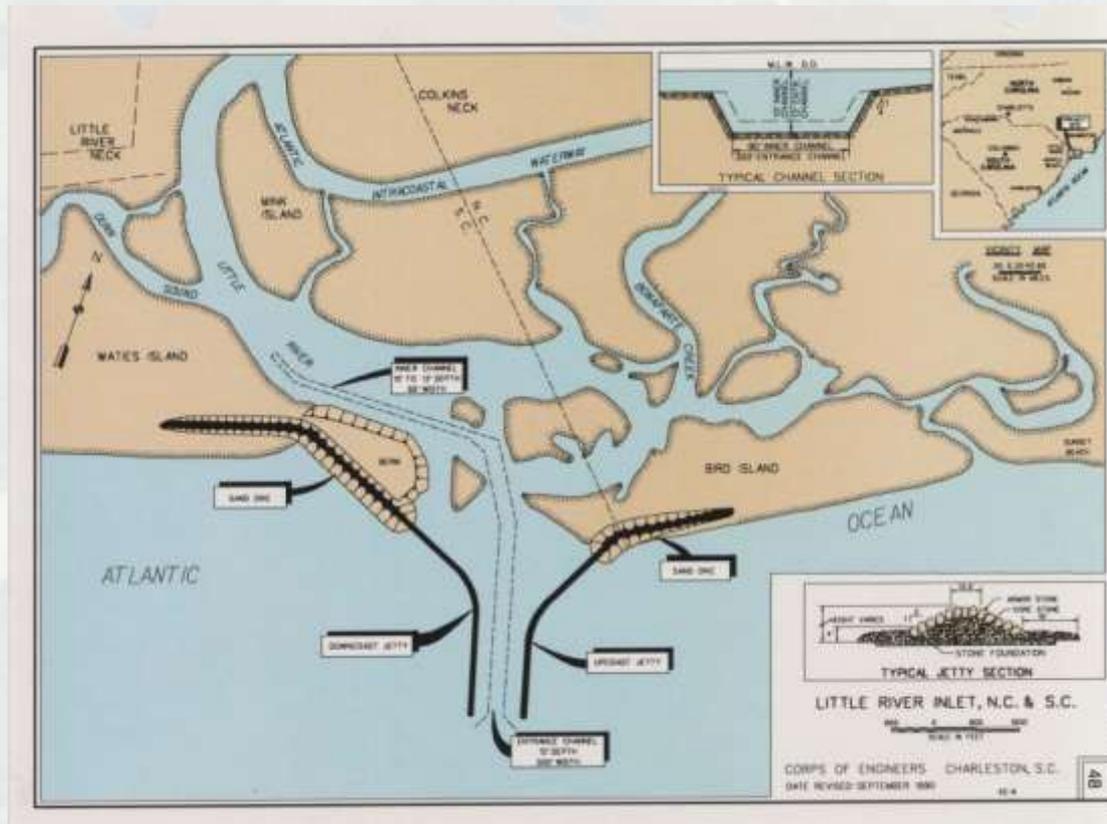
# Calabash Creek



 <b>US Army Corps Of Engineers</b> Charleston District	Survey Area:	Calabash Creek
	Survey Date:	11-30-2011
	Survey Crew:	USACE Survey Team
	Survey File Name:	201111130_ICR_CB_CS
	Imagery/Background:	2006 DNR DOGG False Color
	Mapped By:	C. Brewer



# Little River



# Little River

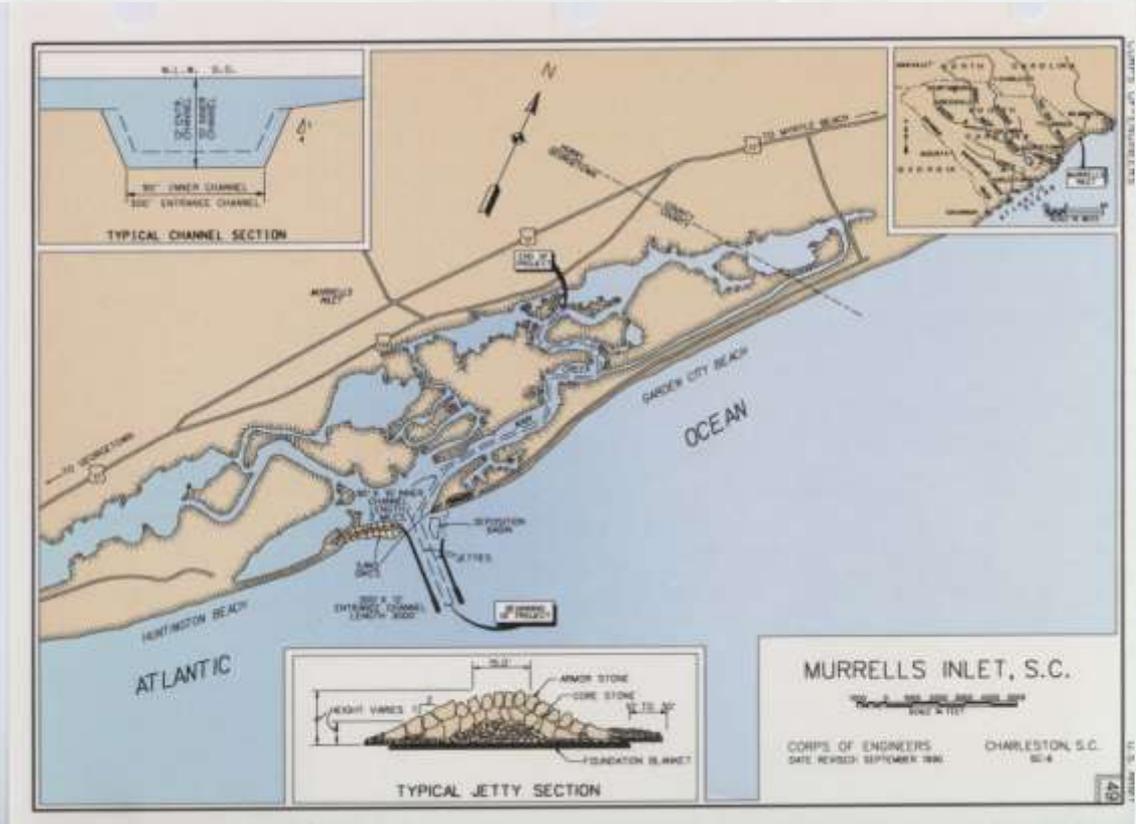
- Projected completed in 1984
- 12FT deep by 300FT outer channel/10FT deep by 90FT inner channel
- Entrance jetties 3,284FT/3,830FT
- Last dredged Feb 1984
- Volume-422,500 cyds
- Hydraulic
- Sediment Sand
- Beach Disposal
- FY 12 Funds-\$0



# Little River



# Murrells Inlet

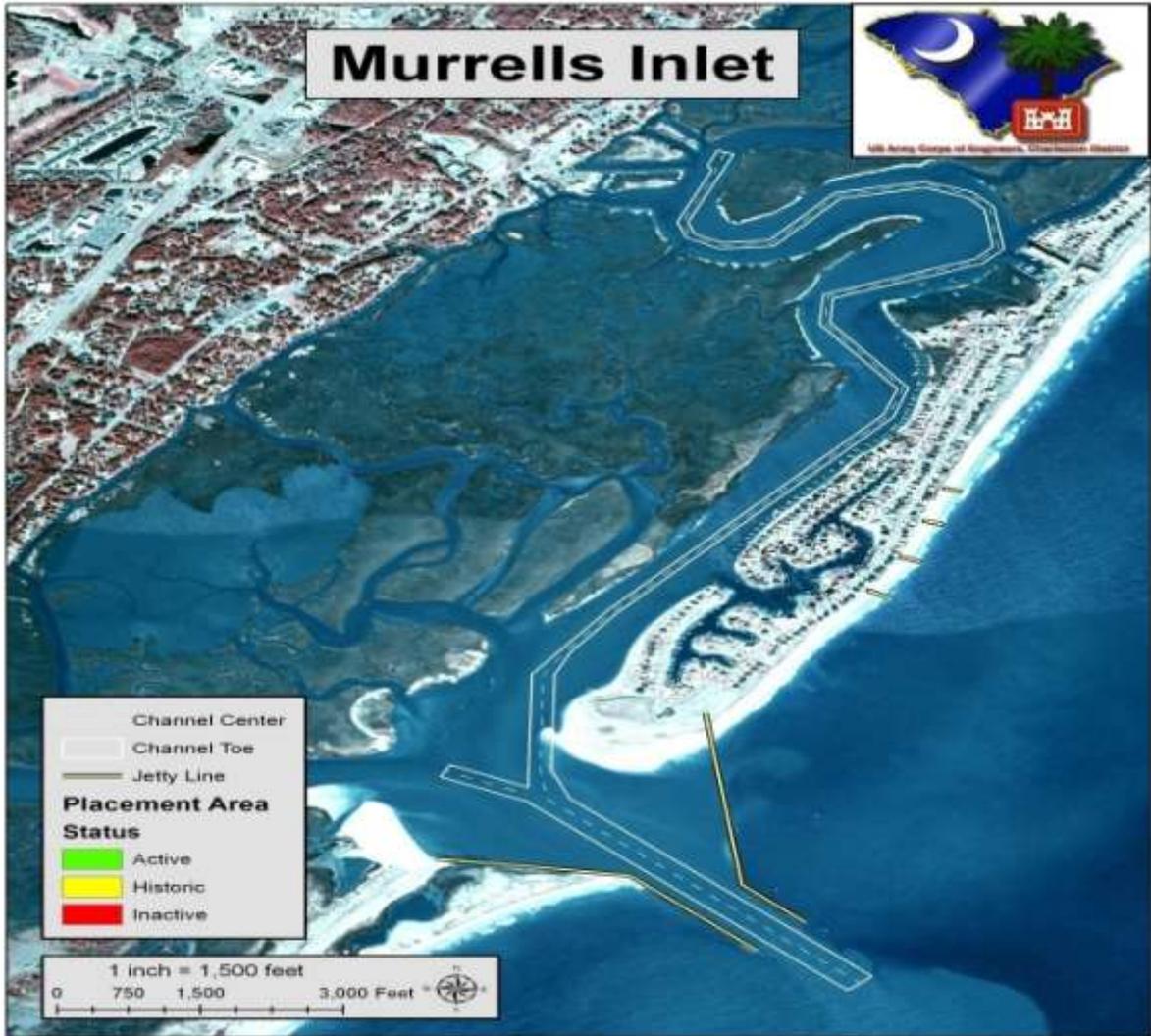


# Murrells Inlet

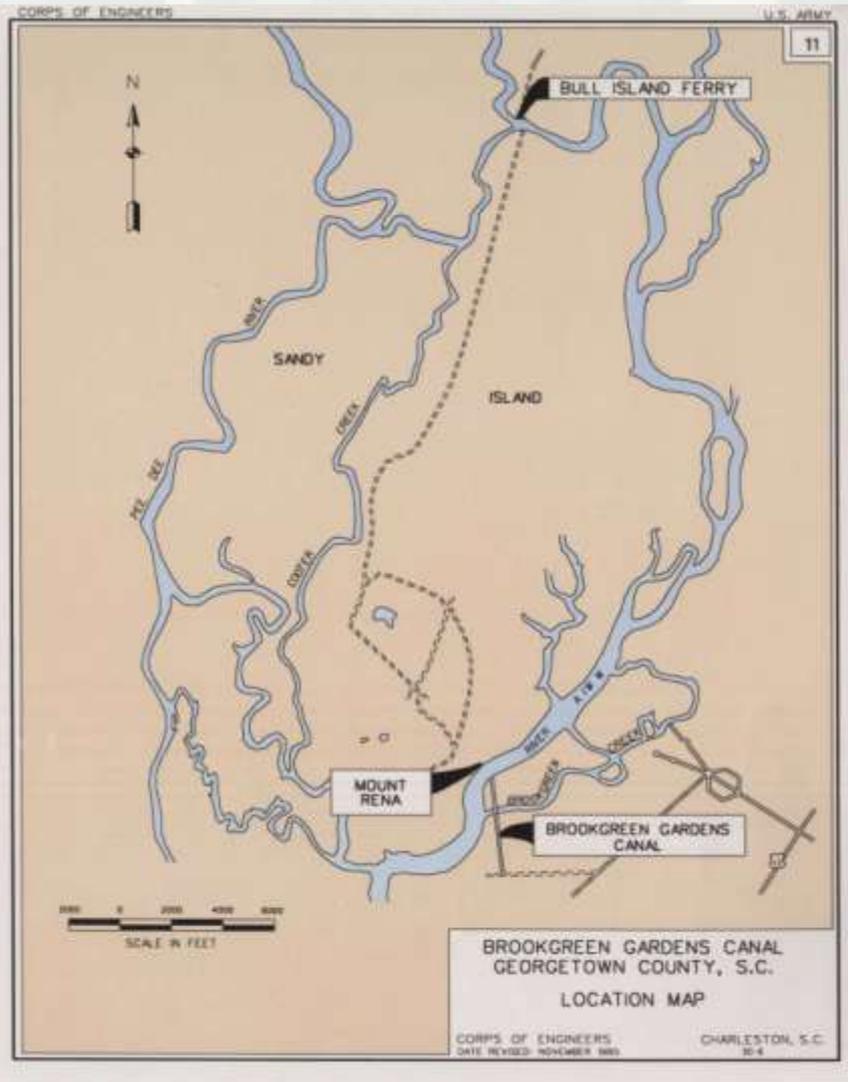
- Project Completed 1981
- 12FT deep by 300FT outer channel/10FT deep by 80FT inner channel
- Entrance jetties 3,445FT long
- Last dredged Oct 2002
- Volume-483,000 cyds
- Hydraulic
- Sediment Sand
- Huntington Beach and Garden City Beach
- FY 12 Funds-\$0



# Murrells Inlet



# Brookgreen Gardens



# Brookgreen Gardens

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- Project completed in 1990
- 3600 FT long canal with a 30 FT bottom width maintained at 4 FT mlw
- Last dredged Oct 2005
- Volume-5,300 cyds
- Hydraulic
- Upland Disposal/Confined Disposal Facility
- FY 12 Funds-\$0



# Clarks Creek McClellanville



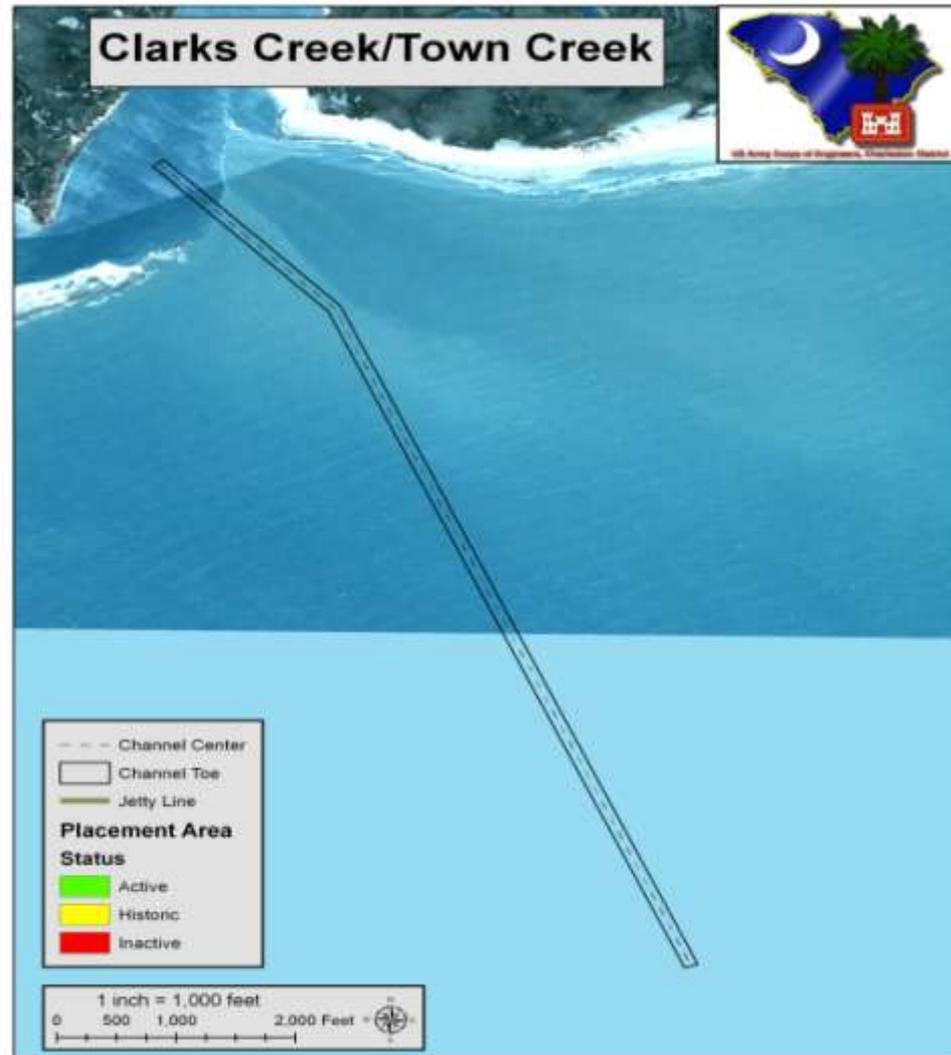
# Clarks Creek McClellanville

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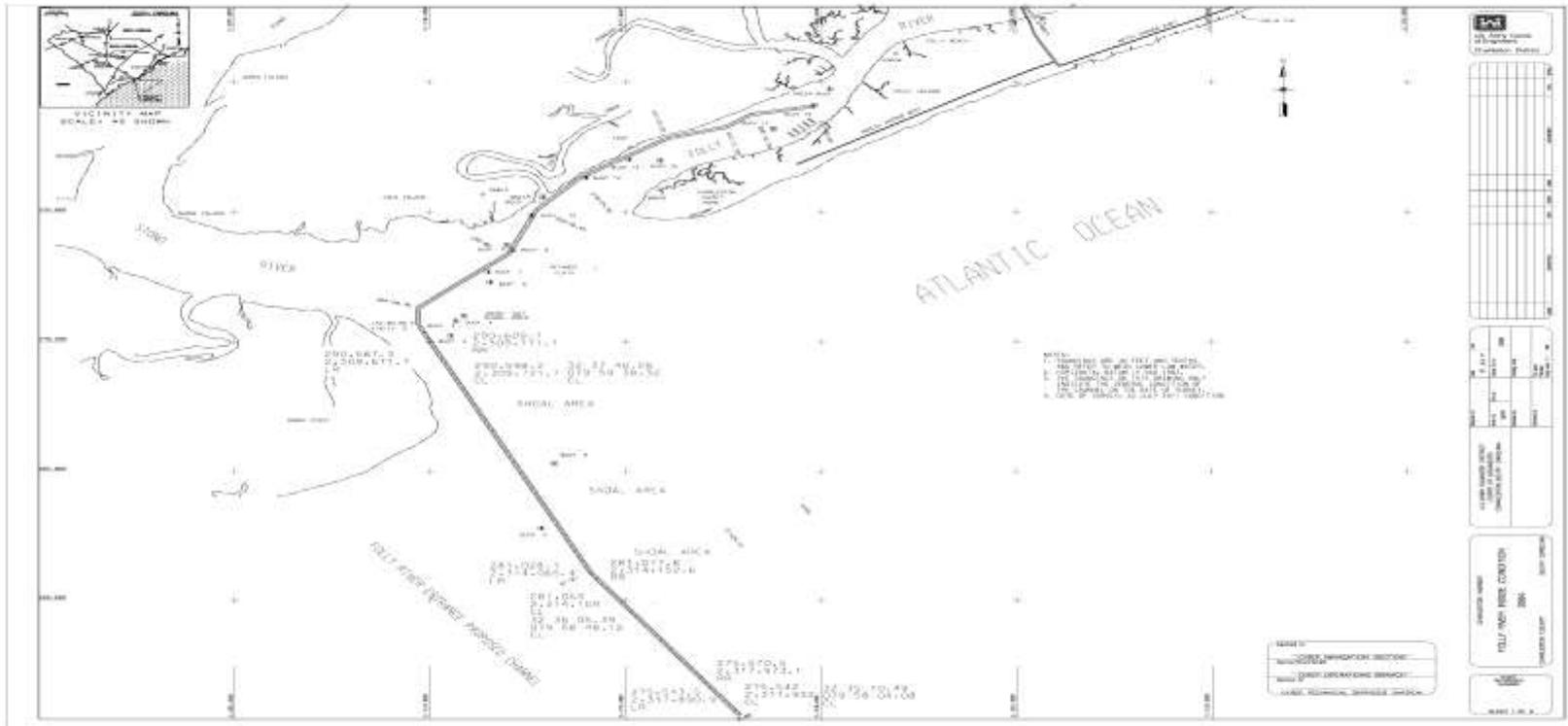
- Project Completed in 1975-Supports Shrimp Fleet
- Since 1997 maintain 12 FT deep by 100 FT wide channel called Clark's Creek
- Yearly
- Last dredged July 2009 by SAW
- Shrimping Season Window-April/May
- Volume-26,600 cyds
- Material-Sand
- Side cast
- FY 12 Funds-\$0



# Clarks Creek McClellanville



# Stono Inlet/Folly River/Folly Creek



# Stono Inlet/Folly River/Folly Creek

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- Project completed 1979
- Stono Inlet maintain 12 FT deep by 100 FT wide channel (3M) -Dredged 2006 Side Caster-USCG discontinued ATON due to shifting channel
- Folly River Channel 9 FT deep by 80 FT wide channel (3 M)-Dredged 2009
- Folly Creek Channel-9 FT by 80 FT wide channel (1M)
- Material-Sand
- Hydraulic Dredge (Inside)/Side Caster (Outside)
- Beach and Island renourishment
- FY 12 Funds-\$0



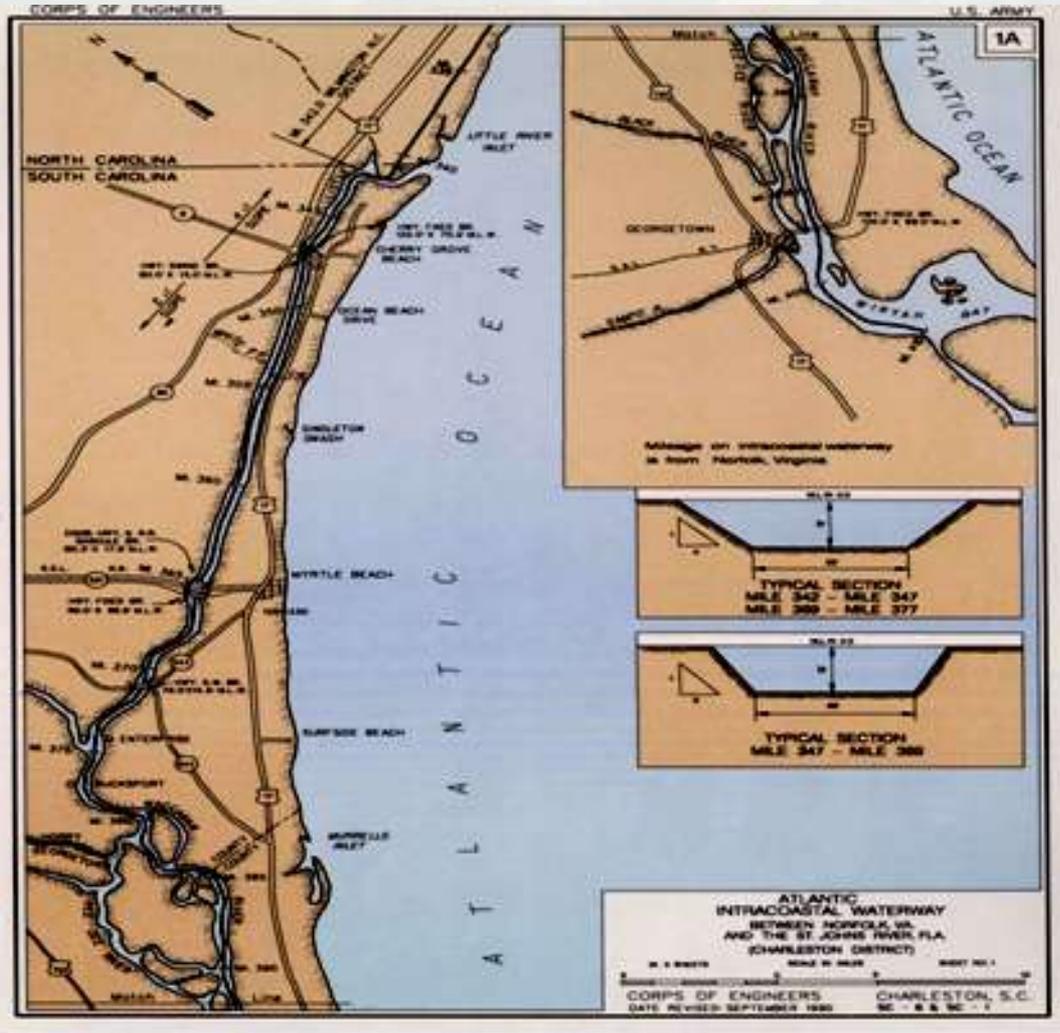
# **AIWW**

## **235 Miles**

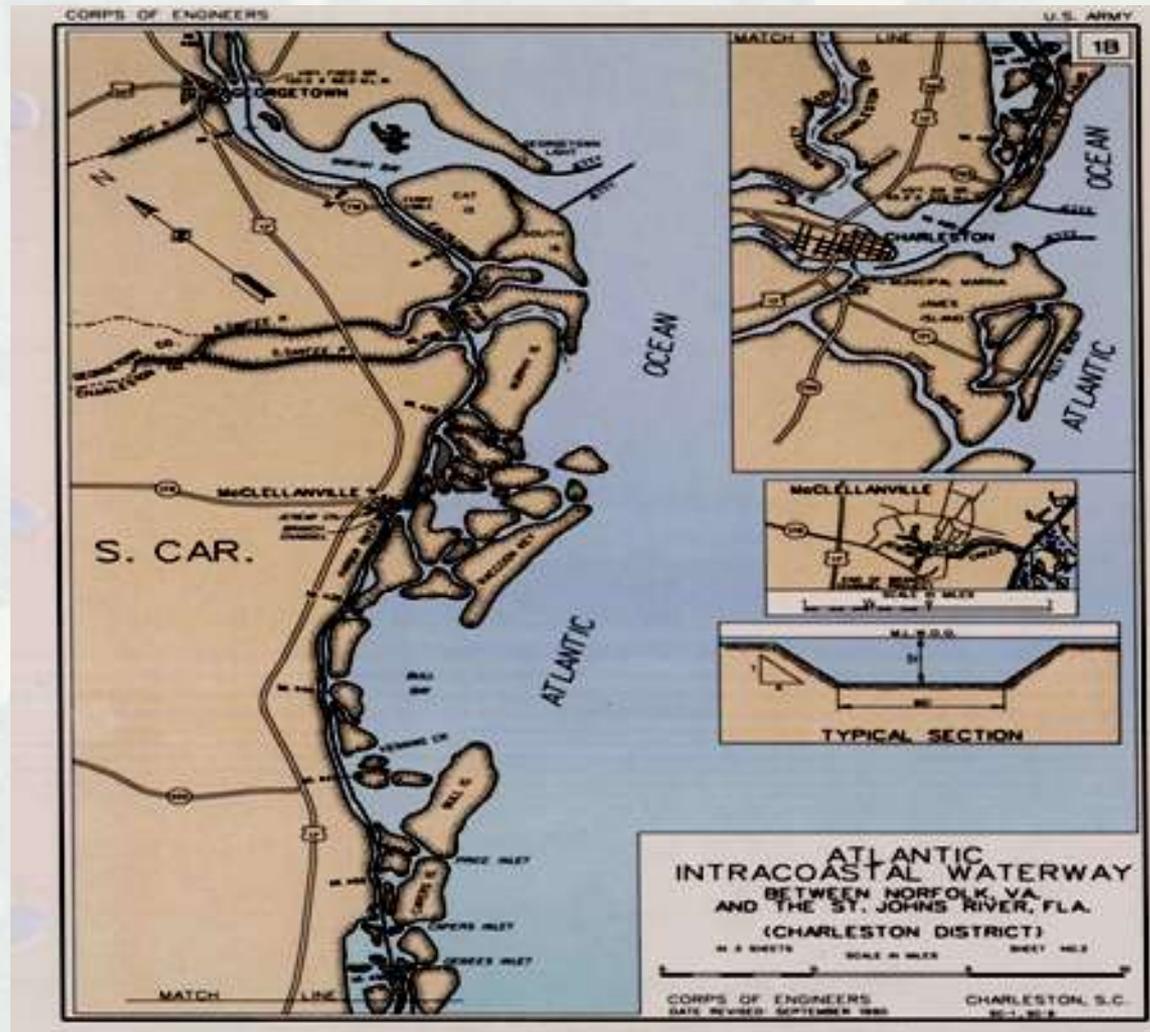
- Reach 1 - Little River to Winyah Bay  
62 miles
- Reach 2 - Winyah Bay to Charleston  
63.5 miles
- Reach 3 - Charleston to Port Royal  
Sound 84.5 miles



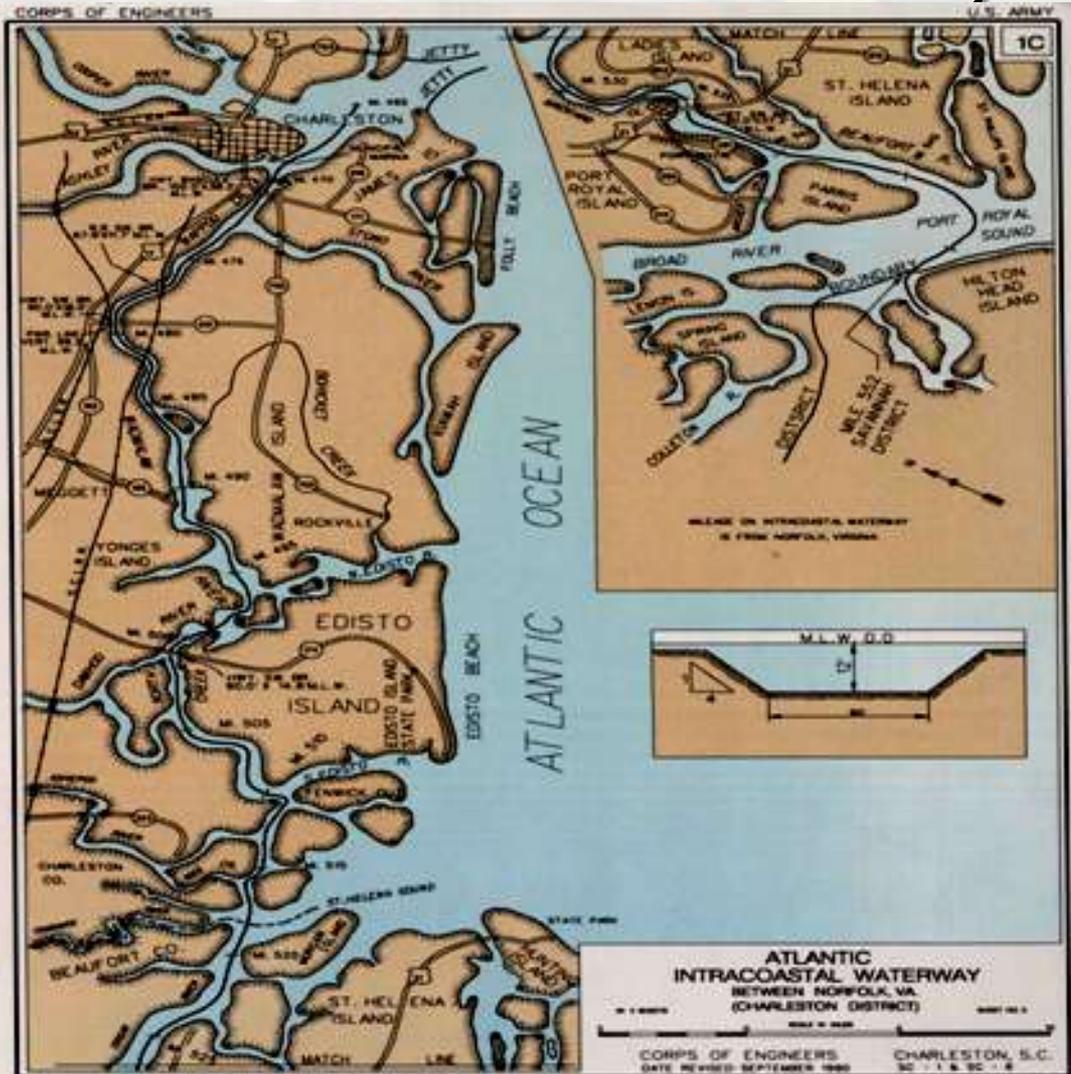
# Little River to Winyah Bay



# Winyah Bay to Charleston



# Charleston to Port Royal



# AIWW

- Project completed in 1940
- 12 FT deep by 90 FT channel
- Last dredged 2010 @\$6M ARRA Funds
- Spillway Repairs 2011 @\$1.2M
- Volume-952,000 cyds 2010/Varies
- Hydraulic
- Sediment Sand/Mud
- Confined Disposal Facility
- FY 12 Funds-\$0
- Lack of maintenance of CDFs-Lower 2 reaches

