ENDANGERED SPECIES OBSERVER PROGRAM
Dredge OUACHITA
Entrance Channel: Brunswick

DAILY REPORT

Date: 1 / 15 / 93 Loads: 1-5

Area Worked: stations 165+00 - 205+00 Rd; 212+00 262+50 GRN

Conditions: overcast & rain, wind NE 10-25 kts, seas 2-4, water temp. 56°

Are there incidents involving endangered or protected species? Yes ____ No X

Comments: Observers aboard at 1330 hrs. All screening and deflectors were in place and in good condition.
Following load #3 the port TED suffered major damages. Lo[illegible] with one diagram while welder repaired the [illegible] TED, [illegible] now in good condition.
Biological sample [illegible]; spider crab, horseshoe crab, whelk [illegible], cannonball jellyfish and some vegetative [illegible].
Digging mud and silt

Bridge Watch Summary

Species	No. of animals	Comments
Tt	2	seen [illegible] area

Observer(s) On Duty: Lisa Conger, [illegible]

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Ouachita
Entrance Channel: Brunswick

DAILY REPORT

Date: 1 / 16 / 93 Loads: 6-12

Area Worked: Stations 165+00 - 205+00 Red - 212+50 - 262+50 Green

Conditions: Some rain overcast, Wind N-NE 10-15 kts, Seas 1-2', H_2O 56°F

Are there incidents involving endangered or protected species? Yes ____ No X

Comments: Both TED's and all screens holding up well, some minor work done on tender screens patch welding.

- Drag tender lowered Skimmer makes skimmer easier to clean and makes it easier to see the inflow screens.

- Most debris is wood one plastic other marine animals found including, spider crabs, horseshoe crabs, few blue crabs, welks, and welk egg casings, sea cucumbers and 1 sea whip

- Observed species

I Dc seen 1/4 mile south of sea buoy at approximately 1510

II T+ seen returning from dump

Bridge Watch Summary

Species	No. of animals	Comments
Dc	1	1/4 mile south of sea buoy
T+	2	returning from dump

Observer(s) On Duty: Ford and Conger

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Ouachita

Entrance Channel: Brunswick

DAILY REPORT

Date: 1 / 17 / 93 Loads: 13-22

Area Worked: Stations 165+00 - 205+00 red; 218+00 - 262+50 Green

Conditions: Clear, Winds WNW 1-10 Kts, Sea calm H_2O 56°F

Are there incidents involving endangered or protected species? Yes____ No X

Comments: Screens holding up well. TED's needing some repair chain mesh spot welded and then woven with cable, cable weave working well. Large overhang chain broken and promptly repaired by ships welder.

- Biological sampling still [illegible] of: horseshoe crabs, spider crabs, [illegible], and sea cucumbers, some [illegible].
- Observed species 12 Tt south of channel near second cut.

Bridge Watch Summary

Species	No. of animals	Comments
Tt	12	seen just south of 2nd cut

Observer(s) On Duty: Tom Ford, [illegible]

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge OUACHITA
Entrance Channel: Brunswick

DAILY REPORT

Date: 1 / 18 / 93 Loads: 23-30

Area Worked: Stations 165+00 - 205+00 R&G; -16+000 → 26+000 Red

Conditions: Clear - PC ; winds WNW 0-5 Kts seas <1', H_2O temp 56°

Are there incidents involving endangered or protected species? Yes____ No X

Comments: The TEDs continue to require maintenance daily.

The biological sample has [illegible] red [illegible] blue crabs, horseshoe crabs, spider crabs, whelk egg casings, sea squirts, sea whip, and cannonball, [illegible].

Digging mud inside and mud/sand mixture in the outside cut.

Bridge Watch Summary

Species	No. of animals	Comments
Tt	24	2 M/C pairs, 4 cardinal typicals

Observer(s) On Duty: Lisa Conger, Tom Ford

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Ouachita
Entrance Channel: Brunswick

DAILY REPORT

Date: 1 / 19 / 93 Loads: 31 - 36

Area Worked: STA 165+00-205+00 Red; 212+50 - 262+50 Green

Conditions: Clear, Wind NNE 10-15 kts, Sea 4', H2O temp 56°

Are there incidents involving endangered or protected species? Yes____ No X

Comments:

- Port side TED was destroyed on side cut as well as minor damage to the second side. It approximately 1300 hours. Both TEDs repaired before second cut. Besides this TED's receiving usual damage and repair.

- Biological sample composed of sea cucumbers, sea whips, cannonball jellyfish, menhaden, spider crabs, blue crabs and horseshoe crabs

Bridge Watch Summary

Species	No. of animals	Comments
∅	∅	∅

Observer(s) On Duty: Lisa Conger and Tom Ford

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge OUACHITA
Entrance Channel: Brunswick

DAILY REPORT

Date: 1 / 20 / 93 Loads: 37 – 46

Area Worked: STA. 165+00 – 205+00 R+G ; -212+50 → -265+50 R+G

Conditions: Cloudy w/ light rain ; winds NE-ly 20-40 kts ; seas 5-10', H2O temp. 56°

Are there incidents involving endangered or protected species? Yes____ No X

Comments: The turtle deflectors continue to require minor repairs throughout the day.

Due to rough sea conditions, the lateral outflow baskets had to be hoisted on deck. All excess water has been routed through the hopper and out of the overflow skimmer until weather permits that the lateral basket be put back in place.

Biological sample has been very light. This is partially due to rough sea conditions, sample from screening.

Due to hazardous weather conditions, the aerial survey could not be flown. The dredge traveled to and from the disposal area at 5-7 knots. This speed was approved through the SAV COE office in Cocoa, due to hazardous weather, where 3 knots was considered an unsafe speed for the vessel.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Lisa Conger, Tom Ford

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge QUACHITA

Entrance Channel: Brunswick

DAILY REPORT

Date: 1 / 21 / 93 Loads: 47 - 63

Area Worked: STA -212+00 → -26[illegible] R-G

Conditions: mostly cloudy w/ light rain; winds variable 10-25 kts; seas 2'-5'; Hyd temp. 56°

Are there incidents involving endangered or protected species? Yes____ No X

Comments: Turtle deflectors required minor repairs throughout the day.

The lateral outflow boxes were put back in place today.

Biological sample [illegible] light.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Lisa Conger, Tom Ford

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Brunswick Harbor Entrance Channel
January 1993 - March 1993

WEEKLY SUMMARY

Dates: 1 / 15 / 93 - 1 / 21 / 93 Loads: 1-63

Are there incidents involving endangered or protected species? Yes____ No X

Comments: Observers aboard at 13[illegible] hrs. [illegible] 1/15/93. All required screening and deflectors were in place and in good condition.

During most of the week the dredge was digging in two different areas every load. Observers checked all gear and screening following cuts in the first area and again when the load was completed.

The turtle deflectors have required repairs on a daily basis.

Due to rough seas on 1/20/93, the lateral outflow baskets had to be brought on deck. All excess water was routed through the hopper and out of the overflow skimmer until weather permitted baskets to be replaced.

Biological sample has been light. It has included horseshoe crabs, blue crabs, spider crabs, [illegible], whelks and whelk egg casings, menhaden, sea [illegible] and sea whips.

The dredge travelled at a reduced speed to and from the disposal area on the night of 1/20/93. Due to hazardous weather conditions, the aerial survey could not be flown. The water temperature has been 13°C.

Bridge Watch Summary

Species	No. of animals	Comments
Dermochelys coriacea	1	seen swimming near sea buoy.
Tursiops truncatus	40	at least two mother-calf pairs

Observers On Duty:

Lisa Conger
Tom Ford

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Quad

Entrance Channel: Brunswick

DAILY REPORT

Date: 1 / 22 / 93 Loads: 64-81

Area Worked: Stations 212+00 - 26[illegible]

Conditions: Cloudy giving way to Clear, Wind NNW 5-20kts, Seas 1-4' H_2O temp 56°

Are there incidents involving endangered or protected species? Yes____ No X

Comments:

- Doing two cut loads extracting mostly mud
- Biological sample remains light, cannonball jellyfish, whelks, crabs: [illegible], sea whips, and a sea fan, sea [illegible]
- 4 Tt's seen on way to dump at @ 1350
- 1 dead pelican seen inside [illegible] at 0740 (adult)

Bridge Watch Summary

Species	No. of animals	Comments
Tt	4	Seen on way to dump

Observer(s) On Duty: Conger / Ford

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA

Entrance Channel: Brunswick

DAILY REPORT

Date: 1 / 23 / 93 Loads: 82-99

Area Worked: STA -212+00 → -265+00 Red & Green

Conditions: Clear, winds NW-ly 5-8 kts, seas 1', H2O temp 56°F

Are there incidents involving endangered or protected species? Yes____ No X

Comments: Minor repairs to deflector's main mesh required.

Virtually no biological sample.

Visability was extremely good today. However, there were no sightings of any marine mammals or other endangered species.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Lisa Conger, Tom Ford

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA

Entrance Channel: Brunswick

DAILY REPORT

Date: 1 / 24 / 93 Loads: 100 - 118

Area Worked: STA. -212+00 → -265+00 Red + GRN

Conditions: clear → hazy, winds SW-ly [illegible] calm, H/A temp. 56

Are there incidents involving endangered or protected species? Yes ____ No X

Comments: Inflow screening required partial replacement. Deflectors are holding up well.

Virtually no biological sample.

No sighting of any marine mammals or other endangered species

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Lisa Conger, Tom Ford

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA

Entrance Channel: BRUNSWICK

DAILY REPORT

Date: 1 / 25 / 93 Loads: 119 – 128

Area Worked: STH -212+00 → -216+00 R=19

Conditions: Clear, winds NE 10-40 kts, seas 2'-9', H_2O temp 56°F

Are there incidents involving endangered or protected species? Yes____ No X

Comments: Following load #125, the [illegible] outflow baskets were brought on [illegible]. These were done to prevent losing the baskets overboard due to rough sea conditions. All excess water [illegible] through the hopper and out [illegible] overboard skimmer.

Following load #127, at 1300 hrs, the dredge goes to anchor due to rough sea conditions.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Lisa Conger, Tom Ford

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA

Entrance Channel: BRUNSWICK

DAILY REPORT

Date: 1 / 26 / 93 Loads: none

Area Worked: NA

Conditions: overcast w/ rain, winds NE 10 kts, seas 8'-12', H_2O temp 56°

Are there incidents involving endangered or protected species? Yes____ No X

Comments: Dredge is at anchor.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Lisa Conger, Tom Ford

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: QUACHITA

Entrance Channel: Brunswick

DAILY REPORT

Date: 1 / 27 / 93 Loads: 129 - 139

Area Worked: STA. -265+00 → -300+00 R & G

Conditions: Clear, winds N-ly 5-20 Kts, seas 1'-3', H_2O temp. 56°F

Are there incidents involving endangered or protected species? Yes ____ No X

Comments: Dredge resumed dugging at 1120 hrs.

Lateral outflow baskets are in place.

Biological sample has included: horse shoe crabs, spider crabs, eels and blue crabs.

No sightings of marine mammals or other endangered species

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Lisa Conyer, Tom Ford

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA

Entrance Channel: Brunswick

DAILY REPORT

Date: 1 / 28 / 93 Loads: 140 - 155

Area Worked: STA -265+00 → -300+00 Red

Conditions: Clear, winds calm, seas <1', H_2O temp. 56°F

Are there incidents involving endangered or protected species? Yes _____ No X *

Comments: The aerial survey team reported a sighting of right whales just after 1000 hrs. There were 4-5 whales just north of the disposal area at 30°02'N and 81°17'W. Following load #147, observers sighted whales from the dredge. The dredge approached the disposal area slowly and cautiously, coming approximately 1.25 miles from the whales at our closest point. The animals were positively identified as right whales (Eubalena glacialis), though an exact count was undiscernible. The whales were not resighted throughout the afternoon. The dredge travelled 3-5 kts. to and from the disposal area after dark.

Turtle deflectors and screening are holding up well.

Biological sample continues to be light.

Bridge Watch Summary

Species	No. of animals	Comments
Eg	4-5	(right whales) seen just north of disposal area
Tt	25	(bottlenose dolphins) seen mostly in and around disposal area.

Observer(s) On Duty: Lisa Conger, Tom Ford

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge OUACHITA
Entrance Channel: Brunswick

DAILY REPORT

Date: 1 / 28 / 93 Loads: 140-155

Area Worked: STA -265+00 → -300+00 Red

Conditions: Clear, winds calm, seas <1', H_2O temp. 56°F

Are there incidents involving endangered or protected species? Yes ____ No X *

Comments: The aerial survey team reported a sighting of right whales just after 1000 hrs. There were 4-5 whales just north of the disposal area at 30° 02'N and 81° 17'W. Following load #147, observers sighted whales from the dredge. The dredge approached the disposal area slowly and cautiously, coming approximately 1.25 miles from the whales at our closest point. The animals were positively identified as right whales (Eubalena glacialis), though an exact count was undiscernible. The whales were not resighted throughout the afternoon. The dredge travelled 3-5 kts. to and from the disposal area after dark.

Turtle deflectors and screening are holding up well.

Biological sample continues to be light.

Bridge Watch Summary

Species	No. of animals	Comments
Eg	4-5	(right whales) seen just north of disposal area
Tt	25	(bottlenose dolphins) seen mostly in and around disposal area.

Observer(s) On Duty: Lisa Conger, Tom Ford

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Ouachita
Entrance Channel: Brunswick

DAILY REPORT

Date: 1 / 29 / 93 Loads: 155-163

Area Worked: Stations encompassing 150+00 - 330+00

Conditions: Clear, Wind NNE 5 kts, Seas calm 1-2 feet

Are there incidents involving endangered or protected species? Yes____ No X

Comments: - Weather was clear and calm throughout the 1/29/93 no sighting of whales from previous day. Aerial survey claimed no sightings of whales. (Eubalena glacialis)

- Biological sample remains light composed of horseshoe crabs, spider crabs, blue crabs, [illegible], whelks, whelk egg casings, sponge, 1 olive shell, and 1 Fucus sp. (rockweed)

- Several delays during day. Barge hired to move buoy from obstructing channel broke the chain on the buoy and their boom. Ouachita experiencing leakage through hopper doors, will be going to dry dock to repair on 2/1/93.

- TED's need some repair during the day resulting in some minor delays (few minutes at most)

- New observer arrived 1400 hrs

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Ford, Murphy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Ouachita

Entrance Channel: Brunswick

DAILY REPORT

Date: 1 / 30 / 93 Loads: 165-169

Area Worked: Station 150+00 - 215+00

Conditions: Clear, Wind NNE-NNW 5-10kts, Seas 1-4'

Are there incidents involving endangered or protected species? Yes____ No X

Comments:

- Biological sample light composed of whelks, whelk egg casings, sea pork, horseshoe crabs, and spider crabs

- TED's required some repair but nothing substantial

- Doing multi-cut runs 8-12 filling hopper to 8000-8500 yds^3. Ouachita still leaking out doors going to dry dock 1/31/93

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Ford / Murphy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Ouachita

Entrance Channel: Brunswick

DAILY REPORT

Date: 1 / 31 / 93 Loads: 170-172

Area Worked: Station 150+00 – 215+00

Conditions: Clear, Wind NNE 5kts, Seas calm

Are there incidents involving endangered or protected species? Yes ____ No X

Comments: - No Incidents

- Biological sample remains light.

- Day was uneventful with some boat traffic

- Observers will be leaving after last cut of last run expected at @ 20:00

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Ford / Murphy

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Brunswick Harbor Entrance Channel
January 1993 - March 1993

Please note extended time table 1/22/93 - 1/31/93

WEEKLY SUMMARY

Dates: 1 / 22 / 93 - 1 / 31 / 93 Loads: 101 - 172

Are there incidents involving endangered or protected species? Yes ____ No X *

Comments: * On 1/28/93 at 1000 hrs., the aerial survey team reported right whales just north of the disposal area. Following load # 147, the observers aboard the dredge sighted 4-5 whales at 30°02'N and 81°17'W. The dredge approached the disposal area cautiously, until it could be discerned that these were the only whales in the area. The whales were not resighted the rest of the day. The dredge traveled to and from the disposal area at 3-5 Knots during that night. (see daily for more detail)

The turtle deflectors have required minimal maintenance this week. All screening has remained in good condition with minor repairs.

Biological sample has continued to be minimal.

3 extra days of data have shown no difference in observations than what has already been stated

Bridge Watch Summary

Species	No. of animals	Comments
Eg	4-5	(right whales) see daily 1/28/93
Tt	24	(bottlenose dolphins)

Observers On Duty:
Lisa Conner
Tom Ford
Mike Murphy

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Brunswick Harbor Entrance Channel
January 1993 - March 1993

Please note extended time table 1/22/93 - 1/31/93

WEEKLY SUMMARY

Dates: 1 / 22 / 93 - 1 / 31 / 93 Loads: 161 - 172

Are there incidents involving endangered or protected species? Yes ____ No X *

Comments: * On 1/28/93 at 1000 hrs., the aerial survey team reported right whales just north of the disposal area. Following load # 147, the observers aboard the dredge sighted 4-5 whales at 30°02'N and 81°17'W. The dredge approached the disposal area cautiously until it could be discerned that these were the only whales in the area. The whales were not resighted the rest of the day. The dredge traveled to and from the disposal area at 3-5 knots during that night. (see daily for more detail)

The turtle deflectors have required minimal maintenance this week. All screening has remained in good condition with minor repairs.

Biological sample has continued to be minimal.

3 extra days of data have shown no difference in observations than what has already been stated

Bridge Watch Summary

Species	No. of animals	Comments
Eg	4-5	(right whales) see daily 1/28/93
TF	2H	(bottlenose dolphins)

Observers On Duty:

Lisa Conyer
Tom Ford
Mike Murphy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA

Entrance Channel: BRUNSWICK

DAILY REPORT

Date: 2 / 7 / 93 Loads: 173

Area Worked: STA -125 → 265

Conditions: PARTLY CLOUDY/DRIZZLE, W=NORTHERLY 3-5 kts. SEAS <2' TEMP = 46°
H_2O temp. 52°

Are there incidents involving endangered or protected species? Yes ____ No ✓

Comments: Digging a Sand/Silt Mixture.

BIOLOGICAL MATERIAL FOUND PRIMARILY IN THE SKIMMER INCLUDED: HORSESHOE CRABS & BLUE CRAB

THE MID-LANDING SCREEN IS BLOWN OUT IN THE MIDDLE. THE DREDGEMASTER WAS INFORMED. ALL OTHER EQUIPMENT IS IN GOOD CONDITION

THE OUACHITA RETURNED BACK INTO CHANNEL TODAY AFTER HAVING BEEN AT SEA LOCK. LOAD #173 WAS THE FIRST LOAD

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Prince

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge OUACHITA
Entrance Channel: Brunswick

DAILY REPORT

Date: 2 / 8 / 93 Loads: 174 – 181

Area Worked: STA. -150+00 → -265+00 R & G

Conditions: overcast, winds N-ly mong W-ly 5-10 kts, seas <1', H_2O temp. 52°

Are there incidents involving endangered or protected species? Yes ____ No ✓ *

Comments: *While in transit to disposal area following load #179, observer sighted a right whale. At 1511 hrs this right whale was approximately 1.25 miles south at position 31° 02.54' N and 81° 16.24' W. The animal was last seen heading west. The dredge traveled to and from the disposal area at 5 kts. throughout the night.

Biological sample has been very light.

Turtle detectors are in good condition.

Observer Conger aboard 0745 hrs.

Bridge Watch Summary

Species	No. of animals	Comments
Eg	1	right whale seen near disposal area

Observer(s) On Duty: L. Conger, S. Prince

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge OUACHITA
Entrance Channel: Brunswick

DAILY REPORT

Date: 2 / 8 / 93 Loads: 174 - 181

Area Worked: STA. -150+00 → -265+00 R & G

Conditions: overcast, winds N-ly mainly W-ly 5-10 Kts, seas <1', H_2O temp. 52°

Are there incidents involving endangered or protected species? Yes ____ No ✓ *

Comments: *While in transit to disposal area following load #179, observer sighted a right whale. At 1511 hrs this right whale was approximately 1.25 miles south at position 31° 02.54' N and 81° 16.24' W. The animal was last seen heading west. The dredge traveled to and from the disposal area at 5 Kts. throughout the night.

Biological sample has been very light.

Turtle detectors are in good condition.

Observer Conger aboard 0745 hrs.

Bridge Watch Summary

Species	No. of animals	Comments
Eg	1	right whale seen near disposal area

Observer(s) On Duty: L. Conger, S. Prince

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge OUACHITA
Entrance Channel: Brunswick

DAILY REPORT

Date: 2 / 9 / 93 Loads: 182 - 185

Area Worked: STA -215+00 → -150+00 Red

Conditions: cloudy with fog and rain, winds NE 10-20 kts, seas 3'-5', H_2O temp 52°

Are there incidents involving endangered or protected species? Yes ____ No ✓

Comments: Deflectors required major repairs. The abrasiveness of the sand that is now being dug is showing on the deflectors (i.e. the wearing of the mainframe crossbar and shackles that drag across the bottom).

There was some question today about the wording of the job specs as they pertain to whale sightings. The specs maintain that an "all clear" from the aerial survey team gives the dredge the go ahead to run full speed at night. The specs to not plainly mention sightings made by observers on board. The question was resolved and any observer sightings of right whales within ten miles of the dredging area will require the dredge to run at slow speed that night.

The dredge went to and from the disposal area at slow speed. No aerial survey could be flown due to foul weather.

Bridge Watch Summary

Species	No. of animals	Comments
Tt	2	bottlenosed dolphin seen near disposal area.

Observer(s) On Duty: L. Conger, S. Prince

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Ouachita
Entrance Channel: Brunswick

DAILY REPORT

Date: 2 / 10 / 93 Loads: 186 → 192

Area Worked: STA's -215+00 → -150+00 & 26+00 → -36+000

Conditions: Cloudy Winds: N/NE 3-20 kts Seas <5' Temp Air: 48°-50° Water - 52°

Are there incidents involving endangered or protected species? Yes ____ No ✓

Comments: Digging Sand and Silt.

Biological Material found in cages landing screens and skimmer includes: Horseshoe, Blue & spider crabs, Flounder, Fan Shell & whelk, and sea grass.

Both Port & Stbd. TED's have acquired repairs. Digging very hard packed sand has been breaking down the shackle pins.

Gulf Const & Corps decided to dig in most outbound section at night when operating at 5 kts so as to maximize productivity - hence the two documented stations.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: S. Prance L. Congore

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge OUACHITA
Entrance Channel: Brunswick

DAILY REPORT

Date: 2 / 11 / 93 Loads: 193 - 199

Area Worked: STATIONS -215+00 → -150+00 Red ; -265+00 → -360+00 Red

Conditions: Cloudy → dense fog, winds variable & calm, seas 0-2', H_2O temp. 52°

Are there incidents involving endangered or protected species? Yes _____ No ✓

Comments: Turtle deflector continues to require major repairs today. They are showing a lot of wear, especially on the main crossbar where it rides on the bottom.

Biological sample continues to be very light. It has included today horseshoe crabs, a blue crab, Pen shells, and whelks.

The aerial survey could not be flown today due to dense fog.

The outer section that is being dredged through the night when the dredge has to run slow is mostly silt. Loads of this material result in the water level in the hopper being well over the barriers. Due to the 'sloshing' and potential washing of the inflow screens, the skimmers will now be lowered just after these loads. This will allow screens to retain any sample and for observers to monitor it before flushing at the disposal area.

Bridge Watch Summary

Species	No. of animals	Comments
Tt	11	bottlenose dolphin seen near buoy 1A on way to dump.

Observer(s) On Duty: L. Conger, S. Prince

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Brunswick Harbor Entrance Channel
January 1993 - March 1993

WEEKLY SUMMARY

Dates: 2 / 7 / 93 - 2 / 11 / 93 Loads: 173 - 199

Are there incidents involving endangered or protected species? Yes ____ No ✓

Comments: Observer Prince aboard at 1030 hrs. on 2/7/93 in Savannah. Dredge began digging around 2030 hrs. in the Brunswick entrance channel. Observer Conger aboard at 0745 hrs. on 2/8/93.

On 2/8/93, at approximately 1511 hrs, a right whale was sighted near the disposal area. The dredge travelled at slow speed to the disposal area throughout the night (see daily for details).

There has been some question about the wording of the specs for this job as they pertain to whale sightings (see daily for 2/9/93).

The dredge was required to travel at reduced speeds to the disposal area a total of four nights this week. One night due to a right whale sighting, the others due to inability to fly the aerial survey because of foul weather.

The deflectors are showing considerable wear from dragging across sandy bottom. They have required several major repairs throughout the week.

Biological sample continues to be very light. It has included horseshoe crabs, blue crabs, pen shell, whelks, flounder, spider crabs.

There have been no sightings of sea turtles.

Bridge Watch Summary

Species	No. of animals	Comments
Eg	1	right whale near disposal area (2/8/93)
Tt	13	bottlenose dolphins around dig and disposal areas.

Observers On Duty:

L. Conger
S. Prince

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Brunswick Harbor Entrance Channel
January 1993 - March 1993

WEEKLY SUMMARY

Dates: 2 / 7 / 93 - 2 / 11 / 93 Loads: 173 - 199

Are there incidents involving endangered or protected species? Yes ____ No ✓

Comments: Observer Prince aboard at 1030 hrs. on 2/7/93 in Savannah. Dredge began digging around 2030 hrs. in the Brunswick entrance channel. Observer Conger aboard at 0745 hrs. on 2/8/93.

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There has been some question about the wording of the specs for this job as they pertain to whale sightings (see daily for 2/9/93).

The dredge was required to travel at reduced speeds to the disposal area a total of four nights this week. One night due to a right whale sighting, the others due to inability to fly the aerial survey because of foul weather.

The deflectors are showing considerable wear from dragging across sandy bottom. They have required several major repairs throughout the week.

Biological sample continues to be very light. It has included horseshoe crabs, blue crabs, pen shell, whelks, flounder, spider crabs.

There have been no sightings of sea turtles.

Bridge Watch Summary

Species	No. of animals	Comments
Eg	1	right whale near disposal area (2/8/93)
Tt	13	bottlenose dolphins around dig and disposal areas.

Observers On Duty:

L. Conger
S. Prince

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Ouachita
Entrance Channel: [illegible]

DAILY REPORT

Date: 2 / 12 / 93 Loads: 200 - 206

Area Worked: station 26+50 - 36+00 150+00 - 215

Conditions: Partly cloudy, winds SW 5-20 Kts seas 1-3' water temp 52°

Are there incidents involving endangered or protected species? Yes____ No ✓

Comments:

Biological material found primarily in screens + skimmer include: Horseshoe crab, Blue crab, whelk egg case + Pen shell

At 1350 hour Eric Westerman replaced Lisa Conger as observer

Aerial survey reports no sightings

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Eric Westerman, S. Prince

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Ouachita
Entrance Channel: Brunswick

DAILY REPORT

Date: 2 / 13 / 93 Loads: 207 - 212

Area Worked: Stations 150+00 - 215+00 360+00 - 265+00

Conditions: Partly cloudy, wind variable 25 kts, seas 1'-3' water temp 52°

Are there incidents involving endangered or protected species? Yes ____ No ✓

Comments: Aerial survey reports no sightings.

Port TEN inside large shackle replaced.

Bridge Watch Summary

Species	No. of animals	Comments
Tursiops truncatus	2	2 dolphins seated by buoy #7

Observer(s) On Duty: Eric Westerman, S. Prince

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Ouachita
Entrance Channel: Brunswick

DAILY REPORT

Date: 2 / 14 / 93 Loads: 213 - 216

Area Worked: stations 150+00 - 215+00

Conditions: clear, winds w-nw 7-20kts seas 1-3' water temp 53°

Are there incidents involving endangered or protected species? Yes____ No V

Comments: Aerial survey reports no sightings.

All three lander discharge box screens recieved some kind of damage or blow-out holes in them. All three repaired with new pieces of screens to cover holes.

Bridge Watch Summary

Species	No. of animals	Comments
Tursiops truncatus	8	

Observer(s) On Duty: ERIC Westerman, S Prince

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Ouachita
Entrance Channel: Brunswick

DAILY REPORT

Date: 2 / 15 / 93 Loads: 217 - 221

Area Worked: stations 150+00 - 215+00

Conditions: Partly cloudy, winds variable 3-10 kts seas 1-2 water temp 53°

Are there incidents involving endangered or protected species? Yes____ No V

Comments: Aerial survey reports 4 Right whale sightings. Two whales 11 miles NE of the seabuoy at 31° 10' 08" N 81° 06' 06" W. Another two whales sighted at 30° 50' 09" N 81° 08' 00" W thats 15 miles SE of the southern part of the dump site. Both sightings outside project area. No slow bell is required.

Screen repair done to starboard over board discharge box and middle landing screen.

Old piece of weathered carapace found in fore lander sample load 219.

Material digging sand.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: ERIC Westerman, S. Prince

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Ouachita
Entrance Channel: Brunswick

DAILY REPORT

Date: 2 / 16 / 93 Loads: 222 - 228

Area Worked: Stations 150 to 215 100 260 100 - 240 100

Conditions: Partly cloudy, Rain, winds variable 5-10 kts seas 1-4
water temp 54°

Are there incidents involving endangered or protected species? Yes ____ No V

Comments: Aerial survey reports no whale sightings.

Small chains repaired on Port TED. New screen added to aft lander box.

Fauna in screens and lander light. Mainly consisting of horseshoe crabs, spider crabs.

Bridge Watch Summary

Species	No. of animals	Comments
Tursiops truncatus	2	

Observer(s) On Duty: ERIC Westerman S Prince

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Ouachita
Entrance Channel: Brunswick

DAILY REPORT

Date: 2 / 17 / 93 Loads: 229 - 236

Area Worked: stations 360+00 - 240+00 200+00 - 190+00

Conditions: Partly cloudy, winds variable 5-15 kt seas 2-4' water temp 54°

Are there incidents involving endangered or protected species? Yes ____ No V

Comments: Aerial survey plane reports one Humpback whale at 31°16'6"N 81°16'04"W. No right whale sightings, ship will maintain normal dredging procedure.

Small chains repaired on both TED to keep them in good shape.

Bridge Watch Summary

Species	No. of animals	Comments
Tursiops truncatus	4	

Observer(s) On Duty: Eric Westermann, S Prince

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Ouachita
Entrance Channel: Brunswick

DAILY REPORT

Date: 2 / 18 / 93 Loads: 237 - 245

Area Worked: Station 200+00 - 190+00 320+00 - 240+00

Conditions: Mostly clear, wind variable 5-25 Kts seas 1-3 Water temp 54°

Are there incidents involving endangered or protected species? Yes____ No V

Comments: Aerial survey plane reports no sightings.

Small chains repaired on both TEDs. Major shackle repaired starboard draghead. Mid lander screen repaired.

Load 239 port program down for repairs. only digging with starboard arm.

Material digging sand and silt.

Bridge Watch Summary

Species	No. of animals	Comments
Tursiops truncatus	3	

Observer(s) On Duty: ERIC Westerman, S Prince

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Ouachita
Entrance Channel: Brunswick

DAILY REPORT

Date: 2 / 19 / 93 Loads: 246 - 261

Area Worked: stations 320+00 - 240+00

Conditions: mostly clear, winds N-NW 5 25kts seas 2'-3' water temp 55°

Are there incidents involving endangered or protected species? Yes____ No ✓

Comments: Aerial survey reports no sightings.

New screen added to all three lander screens to keep in good shape.

Still only digging with starboard arm.

Material digging silt

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Eric Westerman, Spruce, Meg Hoyle

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Ouachita
Entrance Channel: Brunswick

DAILY REPORT

Date: 2 / 20 / 93 Loads: 262 - 272

Area Worked: stations 320+00 - 240+00 275+00 - 240+00 360+00 - 265+00

Conditions: Partly cloudy, winds variable 0-10 kts seas 1'-3' water temp 53°

Are there incidents involving endangered or protected species? Yes____ No V

Comments: Aerial survey reports no sightings.

Only digging with starboard arm.

Fauna samples small mainly consisting of Horseshoe crabs, spider crabs, sea pork cannonball, jellyfish, whelks.

Material digging sand and silt.

Bridge Watch Summary

Species	No. of animals	Comments
Tursiops truncatus	2	

Observer(s) On Duty: ERIC Westerman, Meg Hayle

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Brunswick Harbor Entrance Channel
January 1993 - March 1993

WEEKLY SUMMARY

Dates: 2/12/93 - 2/20/93 Loads: 200 - 272

Are there incidents involving endangered or protected species? Yes ____ No ✓

Comments: Aerial survey plane flew every day. Four Right whales were sighted on 2-15-93, the whale were sighted outside the project area. One Humpback whale was sighted on 2-17-93. No slow bell was required. Dredging operations were able to proceed at normal procedure.

TEDs and larder screens were worked on daily to keep them in good shape. Two large shackles replaced on TEDS. Numerous small chains repaired. New pieces of screening put in all three landers. Skimmer screen holding up good.

Biological samples found in screening primarily Horseshoe crabs, spider crabs, whelks, cannonball Jellyfish, blue crabs, Pen shell, sea pork.

Load 219 found old piece of weathered carapace.

Average water temperature 53°

Bridge Watch Summary

Species	No. of animals	Comments
Tursiops truncatus	21	

Observers On Duty:

Eric Westerman
S Prince
Meg Hayle

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Ouachita
Entrance Channel: Brunswick

DAILY REPORT

Date: 2 / 21 / 93 Loads: 273-281

Area Worked: stations 320+00 - 265+00 280+00 - 240+00

Conditions: cloudy, winds S 5-25kts seas 1'-4' water temps

Are there incidents involving endangered or protected species? Yes ____ No ✓

Comments: Aerial survey reports no sightings.

At 0925 observer sights whale just past buoy 1A.24. Observer Meg Hayle sights large black body with dorsal fin heading south across the channel. Observer keeps watch for the whale but does not see it again. Unable to get positive identification of whale. Whale had dorsal fin so positively not a right whale. Crew boat capt said he sighted Humpback whale earlier in the morning near buoy 3A. Probible Humpback but not confirmed.

Bridge Watch Summary

Species	No. of animals	Comments
Tursiops truncatus	1	
unidentified whale	1	Positive not a Right whale

Observer(s) On Duty: ERIC Westerman, Meg Hayle

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Ouachita
Entrance Channel: Brunswick

DAILY REPORT

Date: 2 / 21 / 93 Loads: 273-281

Area Worked: stations 320⁰⁰-265⁺⁰⁰ 280⁰⁰-240⁺⁰⁰

Conditions: cloudy, wind S S 25kts seas 1'-4' water temp 54

Are there incidents involving endangered or protected species? Yes ____ No ✓

Comments: Aerial survey reports no sightings.

At 0925 observer sights whale just past buoy 1A, 2A. observer Meg Hayle sights large black body with dorsal fin heading south across the channel. observer keeps watch for the whale but does not see it again. unable to get positive identification of whale. Whale had dorsal fin so positively not a right whale. Crew boat capt said he sighted Humpback whale earlier in the morning near buoy 3A, Probible Humpback but not confirmed.

Bridge Watch Summary

Species	No. of animals	Comments
Tursiops truncatus	1	
unidentified whale	1	positive not a Right whale

Observer(s) On Duty: ERIC Westerman, Meg Hayle

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Ouachita
Entrance Channel: Brunswick

DAILY REPORT

Date: 2 / 22 / 93 Loads: 282 - 285

Area Worked: stations 280+00 - 240+00

Conditions: overcast, winds S SW 5-15 kts seas 1'-3' water temp 55°

Are there incidents involving endangered or protected species? Yes ____ No ✓

Comments: Due to weather aerial survey not able to complete survey. Slow bell sunset to sunrise.

Starboard TEN, welded new shackle on.

Biological samples mainly Horseshoe crabs, spider crabs, eels, croakers, sea Pork whelks, stingrays, blue crabs.

Bridge Watch Summary

Species	No. of animals	Comments
Tursiops truncatus	6	

Observer(s) On Duty: Eric Westerman, Meg Hayle

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Ouachita
Entrance Channel: Brunswick

DAILY REPORT

Date: 2 / 23 / 93 Loads: 286 - 291

Area Worked: stations 240+00 - 280+00 - 320+00

Conditions: Partly cloudy, winds variable calm-25Kts seas 1-
Water temp 55°

Are there incidents involving endangered or protected species? Yes ____ No ✓

Comments: Aerial survey reports no Right whale sightings, reports Humpback sighting.

Port TED center chain needs welding. Aft leader added new screening.

Two Humpback whales sighted at 31°06'05"W 81°19'00"N. Whales followed schools of menhaden north of the channel. Observer Westerman watches whales for an hour before ship goes to dump. On return to the cut one Humpback swimming in the middle of the channel near buoys 7. whale swims north out the channel. Six bottlenose dolphins sighted with whale.

Bridge Watch Summary

Species	No. of animals	Comments
MN	2	Humpback "Juvenile"
Tursiops truncatus	17	Bottlenose dolphins

Observer(s) On Duty: ERIC Westerman, M Hayle, Chris Farnsworth

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Ouachita
Entrance Channel: Brunswick

DAILY REPORT

Date: 2 / 23 / 93 Loads: 286 - 291

Area Worked: stations 240+00 - 280+00 - 320+00

Conditions: Partly cloudy, winds variable calm - 25 Kts seas 1-4 water temp 55°

Are there incidents involving endangered or protected species? Yes ____ No ✓

Comments: Aerial survey reports no Right whale sightings, reports Humpback sighting.

Port TED center chain needs welding. Aft leader added new screening.

Two Humpback whales sighted at 31°06'05"N 81°19'00"n. whales followed schools of menhaden north of the channel. observer westerman watches whales for an hour before ship goes to dump. On return to the cut one Humpback swimming in the middle of the channel near buoys 5-7. whale swims north out the channel. Six bottlenose dolphins sighted with whale.

Bridge Watch Summary

Species	No. of animals	Comments
MN	2	Humpback "Juvenile"
Tursiops truncatus	17	Bottlenose dolphins

Observer(s) On Duty: ERIC Westerman M Hayle, Chris Farnsworth

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Ouachita
Entrance Channel: Brunswick

DAILY REPORT

Date: 2 / 24 / 93 Loads: 292-306

Area Worked: Station 300+00 - 265+00 275+00 - 215+00

Conditions: Partly cloudy, winds variable 10-20 Kts seas 1 water temp 55°

Are there incidents involving endangered or protected species? Yes____ No ✓

Comments: Aerial survey reports no sightings.

Port center large shackle rewelded twice back on. Small chains repaired on both TEDs. New screen added to mid lander screen.

Brunswick Pilot reports whale sighting to Ouachita, he sighted while bringing in a ship. Dredge coming back from dump after load 296. observer Farnsworth confirms Humpback sighting at 1045 800' off port bow. Humpback juvenile in size.

Leatherback turtle sighting. We note have been sighting numerous jellyfish in the water.

Bridge Watch Summary

Species	No. of animals	Comments
MN	1	Humpback 31°05'36" 81°18'7
DC	1	Leatherback near buoy 1A
TT	5	Tursiops truncatus

Observer(s) On Duty: ERIC Westerman, Chris Farnsworth

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Ouachita
Entrance Channel: Brunswick

DAILY REPORT

Date: 2 / 24 / 93 Loads: 292 - 306

Area Worked: Station 300+00 - 265+00 275+00 - 215+00

Conditions: Partly cloudy, winds variable 10-20 Kts seas 1-3 water temp 55°

Are there incidents involving endangered or protected species? Yes ____ No ✓

Comments: Aerial survey reports no sightings.

Port center large shackle rewelded twice back on. Small chains repaired on both TEDs. New screen added to mid lender screen.

Brunswick Pilot reports whale sighting to Ouachita, he sighted whale hanging in a ship. Dredge coming back from dump after load 296. observer Farnsworth confirms Humpback sighting at 1045 800' off port bow. Humpback juvenile in size.

Leatherback turtle sighting, I note have been sighting numerous jellyfish in the water.

Bridge Watch Summary

Species	No. of animals	Comments
MN	1	Humpback 31°05'36" 81°18'71"
DC	1	Leatherback near buoy 14
TT	5	Loggerhead turtles

Observer(s) On Duty: ERIC Westerman, Chris Farnsworth

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Ouachita
Entrance Channel: Brunswick

DAILY REPORT

Date: 2 / 25 / 93 Loads: 307 - 326

Area Worked: Station 300+00 - 265+00

Conditions: Partly cloudy, Rain, winds NE 10-25 Kts seas 1-5' water temp 55°

Are there incidents involving endangered or protected species? Yes____ No ✓

Comments: Aerial survey reports no sightings.

Small chain repairs done on both Teds.

Mate reports Humpback sighting at 1807 begging of load 322.

Fauna sample small, mainly Horseshoe crabs, sea pork.

Bridge Watch Summary

Species	No. of animals	Comments
mn	1	Humpback, note only mate sighted whale, not confirmed by observer AB, dragtender.

Observer(s) On Duty: ERIC Westerman, Chris Farnsworth

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Ouachita
Entrance Channel: Brunswick

DAILY REPORT

Date: 2/25/93 Loads: 307-326

Area Worked: Station 300+00 - 265+00

Conditions: Partly cloudy, Rain, winds NE 10-25 kts seas 1-5' water temp 55°

Are there incidents involving endangered or protected species? Yes____ No. ✓

Comments: Aerial survey reports no sightings.

small chain repairs done on both Teeds.

Mate reports Humpback sighting at 1807 bagging of load 322.

Fauna sample small, mainly Horseshoe crabs, sea pork.

Bridge Watch Summary

Species	No. of animals	Comments
MA	1	Humpback, mate only, mate sighted whale, not confirmed by observer AB, draftender.

Observer(s) On Duty: ERIC Westerman, Chris Farnsworth

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Ouachita
Entrance Channel: Brunswick

DAILY REPORT

Date: 2 / 26 / 93 Loads: 327 - 346

Area Worked: station 300+00 - 265+00

Conditions: overcast Rain, wind NW 5-25kts seas 2' 4' water temp 55°

Are there incidents involving endangered or protected species? Yes____ No ✓

Comments: Aerial survey reports no sightings.

Small chains repaired on both TEDs. Large shackle welded on Port TED. New screen added to aft lander.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: ERIC Westerman Chris Farnsworth

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Ocarchita
Entrance Channel: Brunswick

DAILY REPORT

Date: 2 / 27 / 93 Loads: 347 - 362

Area Worked: Station 265+00 - 360+00 300+00 - 360+00

Conditions: Partly cloudy, winds calm - IV - VW 5-25 Kts seal 4 water temp 55°

Are there incidents involving endangered or protected species? Yes____ No V

Comments: Aerial survey reports no Right whale sightings.

Small chains repaired on each TED.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: ERIC Westerman, Chris Farnsworth

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Brunswick Harbor Entrance Channel
January 1993 - March 1993

WEEKLY SUMMARY

Dates: 2/21/93 - 2/27/93 Loads: 273-362

Are there incidents involving endangered or protected species? Yes____ No ✓

Comments: Aerial survey sighted no Right whales this week. Sighted one Humpback on 2-23-93 and could not fly on 2-22-93 due to weather. Slow hell maintained on 2-22-93 due to no aerial survey.

TEDs and lander screens repairs done daily to keep equipment in good working order. Welding large chain and shackles on TEDs, small chain repairs on TEDs and new screen added to landers. Skimmer and overboard discharge screening stayed intacted and in good shape.

Biological sample continues to be small in quantity. Fauna samples include Horseshoe crabs, spider crabs, sea pork, FEIs, Menhaden, stingrays, whelks, puffer fish. Other debris found in screening wood rope, trash, net, crab traps, cloth.

Five whales and one turtle sighted from the ship this week, no Right whales. Average water temp 55°

Bridge Watch Summary

Species	No. of animals	Comments
TT	29	Bottlenose dolphins
MN	4	Humpback whale
DC	1	Leatherback Turtle
UN	1	undentified whale, [illegible] whale, [illegible]

Observers On Duty:

ERIC Westerman
Chris Farnsworth
Meg Hayle

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Ouachita
Entrance Channel: Brunswick

DAILY REPORT

Date: 2 / 28 / 93 Loads: 363 - 373

Area Worked: Station 300 TCO - 350 TCO - 266 TCO

Conditions: Partly cloudy, wind NW 10-15 KTS, seas 1' - 3'
Water temp 55°

Are there incidents involving endangered or protected species? Yes ____ No ✓

Comments: Aerial survey reports no Right whale sightings. Two Humpbacks sighted 5 miles south of the dumpsite.

Small chains repaired on both TEDS. Port large middle shackle needs welding.

Bridge Watch Summary

Species	No. of animals	Comments
TT	1	Bottlenose dolphin

Observer(s) On Duty: ERIC Westerman, chris Farnsworth

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Quachita
Entrance Channel: Brunswick

DAILY REPORT

Date: 3 / 1 / 93 Loads: 374-379

Area Worked: Station 360+00-265+00

Conditions: Partly cloudy, winds calm to NW 10kt, seas 1'-2'
Water temp 55°

Are there incidents involving endangered or protected species? Yes ____ No ✓

Comments: Aerial survey reports no sightings.

Large and small chains repaired on port IED.

Brunswick pilot calls dredge at night and reports he sighted Humpback whale at 1330 between buoys 13-14.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: ERIC Westmen, Chris Farnsworth

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Ouachita
Entrance Channel: Brunswick

DAILY REPORT

Date: 3 / 2 / 93 Loads: 380 - 383

Area Worked: station 360+00 - 265+00

Conditions: Partly cloudy, winds variable 5-8kts seas 1'-2' Water temp 55°

Are there incidents involving endangered or protected species? Yes____ No ✓

Comments: Aerial survey reports no sightings.

Large shackle replaced on Port TED. small chains replaced on both TEDs.

Bridge Watch Summary

Species	No. of animals	Comments
TT	1	Bottlenose dolphin

Observer(s) On Duty: Eric Westermann, Chris Farnsworth

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Quench fa
Entrance Channel: Brunswick

DAILY REPORT

Date: 3 / 3 / 93 Loads: 384-

Area Worked: station 360 +00 - 265 +00

Conditions: cloudy winds S 15 20Kt seas 2' 3' water temp 55°

Are there incidents involving endangered or protected species? Yes ____ No ✓

Comments: ship heading up to Charleston for ship repairs. ship will be back after repairs about 4-5 days. observers off ship at 10:30.

Aerial survey cancelled.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Eric Westerman, Chris Farnsworth

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Brunswick Harbor Entrance Channel
January 1993 - March 1993

WEEKLY SUMMARY

Dates: 2/28/93 - 3/3/93 Loads: 363-384

Are there incidents involving endangered or protected species? Yes ____ No ✓

Comments: Ship heading to dock for repair. Dredge should be back in about five days. observer

TEDs welded replaced large shackles and repairs to small chain.

Aerial survey reports no Right whale sightings. Two Humpbacks sighted on 2-28-93 five miles south of the dumpsite

Bridge Watch Summary

Species	No. of animals	Comments
TT	2	Bottlenose dolphin

Observers On Duty:

Eric Westerman
Chris Farnsworth

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Ouchita
Entrance Channel: Brunswick

DAILY REPORT

Date: 3 / 8 / 93 Loads: 385 thru 387

Area Worked: Stations 26.5 thru 36.0

Conditions: Scattered clouds; Winds, SE 5-10 Knts.; Seas 1-2'
Sea Water Temp. 57°F.

Are there incidents involving endangered or protected species? Yes____ No ✓

Comments: Vessel resumed dredging following repairs and fueling. No incidents to report.
Observers at dock @ 1000 hrs., on board vessel @ 1530 hrs.
Humpback whale sighted by observer on other dredge at app. 1730 hrs.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Peter Westerman, Joe Ferris

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Ouachita

Entrance Channel: Brunswick

DAILY REPORT

Date: 3 / 9 / 93 Loads: 388 thru 390

Area Worked: Stations 36.0 to 26.5

Conditions: Clear; Winds, SE to W 5-10knts; Seas, 1-2';

Are there incidents involving endangered or protected species? Yes____ No ✓

Comments: No incidents to report.

Materials in screens primarily horseshoe crabs, jellyfish, wood debri, and rope/netting.

TEDS removed from dragheads prior to load #389. Wear on the apparatus seems to indicate that they have been sitting beneath the dragheads.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Peter Westerman, Joe Ferris

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Ouachita

Entrance Channel: Brunswick

DAILY REPORT

Date: 3 / 10 / 93 Loads: 391 thru 393

Area Worked: Stations 36.0 to 26.5

Conditions: Clear; Winds, SE-W 0-15 knts; Seas 1-3'; Air Temp. 52-72°F
Sea Water Temp., averaged 57.5°F

Are there incidents involving endangered or protected species? Yes ____ No ✓

Comments: No incidents to report.

Humpback whale(s) sighted in vicinity of dredge. One confirmed sighting of a juvenille (~20+ feet). Probable sighting of an adult south of the channel.

Materials in screens primarily wood debri, horseshoe crabs, netting/ropes, and plastics.

Bridge Watch Summary

Species	No. of animals	Comments
Humpback whale (Megaptera n.)	1 (maybe 2)	Juvenille sighted repeatedly in and about outer channel.
T. t.	4-6	Dolphins sighted with whale

Observer(s) On Duty: Joe Ferris, Peter Westerman

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Ouachita
Entrance Channel: Brunswick

DAILY REPORT

Date: 3 / 11 / 93 Loads: 394 thru 401

Area Worked: Stations 36.0 to 26.5 (Clean-up)

Conditions: Clear to Pt. Cloudy; Winds, Variable 0-20 knts; Seas, 0-4'; Sea Water Temp. 58°F

Are there incidents involving endangered or protected species? Yes ✓ No

Comments: Right whales sighted by observers at 1340 hrs. near buoy #1. Observers on both vessels saw a cow/calf pair. Second sighting @ 1630 hrs. by observer on Atchafalya in vicinity of buoy 2A. Vessels traveled between 3-5 knts during night dump runs.

Nothing significant in the screens.

Bridge Watch Summary

Species	No. of animals	Comments
Right Whales (Eubalaena glacialis)	Cow/calf	Mother and calf sighted at buoy #1 (1400 hrs.) crossing the channel from south to north
T. t.	6-12	Sighted in vicinity of dredge/channel.

Observer(s) On Duty: Peter Westerman, Joe Ferris

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Ouachita

Entrance Channel: Brunswick

DAILY REPORT

Date: 3 / 12 / 93 Loads: 402

Area Worked: Stations 36.0 to 26.5

Conditions: Pt. Cloudy; Winds ESE 5-20knts; Seas, 1-3'; 54-58°F
Sea Water Temp, 59°F

Are there incidents involving endangered or protected species? Yes____ No ✓

Comments: No incidents or sightings to report.
Dredge to anchor @ 0955 hrs.
Observers off of dredge @ 1020 hrs.

Bridge Watch Summary

Species	No. of animals	Comments
T.t.	3-5	dolphins sighted on way to dump

Observer(s) On Duty: J. Ferris, Peter Westerman

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Brunswick Harbor Entrance Channel
January 1993 - March 1993

WEEKLY SUMMARY

Dates: 3 / 8 / 93 - 3 / 12 / 93 Loads: 385 thru 402

Are there incidents involving endangered or protected species? Yes ✓ No ____

Comments: *Incident involved sightings of right whales on 3/11/93 in outer channel. Observers on both vessels observed a cow/calf pair. Vessel reduced speed at night to 3-5 knts. No further involvement beyond observing the pair in vicinity of dredges.

Materials in screens primarily wood, rope and netting, plastics, horseshoe crabs, and a few fish species (e.g. skate, eel, croaker)

TEDs removed on 3/11 prior to load # 389.

Water temperature continues to rise, ranging from 57°F (3/8) to 59°F (3/12).

No turtles sighted in waters during dredging or travel.

Bridge Watch Summary

Species	No. of animals	Comments
Right whales	2	Mother/calf pair sighted in outer channel (3/11)
Humpback whale	1	Juvenille humpback in outer channel (3/8-3/11)
Bottlenosed Dolphins	12+	Sighted daily in channel

Observers On Duty:

Peter Westerman
Joe Ferris