Eagle

I

Savannah

1992

(December)

Discharge boxes continue to be very clean. We are digging mostly sand w/some mud.

Will run to dump at normal speed since aerial survey sighted no right whales.

November 30, 1992

Crews of both the Eagle I and the Quichita were given a slide show/lecture on the behavior and field identification of North Atlantic Right Whales. Both crews were very cooperative and each had watched a right whale video previous to the lecture.

Observers L. Conger and M. Hoyle boarded the dredge Eagle I at around 2000 hrs. on Nov. 30, 1992. Crew members that work on the bridge, who were not present for slideshow/lecture were given R.W. handout and offered the slide show at their convenience.

The Eagle began dredging shortly after midnight. Normal speed was maintained both to and from the disposal site.

The discharge boxes, constructed mainly of 4"x4" steel bar grating, did not require observer cleaning. Forward overflow boxes are covered with

Dec. 2 1992

It cant channel out of channel

Juvenile Caretta caretta found on load 14 at 2307 in Port Dis. Box - Aft. Head, foreflippers (connected by pieces of carapace + plastron), 1 hind flipper connected to plastron fragment, and 1 piece of carapace frozen in ships freezer.

Earlier today, it was noticed that the overflow was spilling over the top of the overflow "boxes" which are not screened across the top. I mentioned this to the mate and captain. It was the captain's understanding that only 70% of the overflow needed to be screened. The specs say that "These screens should sample at least 70% of the overflow area". The interpretation of sample", I believe, is in question here. The specs also say that "Every effort should be made to effectively sample the turtle parts which

travel through the hopper and exit in the overflow material."

The Corp inspector aboard call the office and they said that the specs could be "amended" if we felt it necessary.

The question was deferred to Chris Slay, who is looking into it.

It is my feeling that lightweight materials (ie. turtle internal organs) would flow over the top out w/o being sample. However, it would be difficult to access any sample caught in this top screening.

Dec. 3, 1992

Both TED were somewhat repaired today. The port TED continues to have a gapping hole in the chain mesh aft of the main crossbar. It is much smaller than it was, but still

large enough for a turtle the size that we have already taken to get through it.

Chris Slay picked up the frozen turtle parts today.

December 6, 1992

Went inside on the hook to get new draghead. We were inside for about 6 hrs. Observers stayed on board.

December 7, 1992

Observer was discouraged by crew to go down ladders by overflow screening. Boatswain got a firehose for observer to clean screens from the deck. This firehose cleaning helped but screens should really be cleaned by hand. They [illegible] of getting [illegible] crane to put observer down in hopper to clean — this involves many crew members.

Just at midnight the dredge sat on its own [illegible]

draghead. This dented draghead and mangled TED. The deck crew was awaken and worked on TED and shortening cable (that was split) for approximately 6 hrs.

December 8, 1992

After finishing TED repairs, deck crew went to bed (~0600 hrs.).

At 0800, Meg Hoyle was relieved by Peter Westerman.

Will travel 3 kts to dump after aerial survey team started run whole.

December 9, 1992

A lot of calling around going on after dredge had to go 3 kts last night. Weather was rough and took them a long time to dump. Trey McMurty 2nd COE inspector got word from his office that vessel could travel 5-8 kts if 3 kts impeded

safety of the vessel. I'm not quite sure who sent this word down, but they got it from Mr Lanier. Anyway, all of the hullabaloo was somewhat for naught since aerial survey did not see any whales.

Around 1215 hrs. we got a call from Coast Guard vessel with a NMFS agent on board R. Deerman. They told me that a shrimper had reported that he had trawled up "chopped up pieces of sea turtle". However, the shrimper had thrown these pieces back overboard, so there was no way to determine if it had been done by the dredge (the shrimper said no), what species it was or how many possible animals it might have been. Anyway, Deerman called back later in the afternoon. I called him about 1315 hrs. He really just wanted general information about the dredge restrictions. I explained

dredges were complying with all of CUP specs, that "chopped up turtle parts" sounded indicative of dredge/turtle collisions but no way to know for sure etc... As it stands, we are not [illegible] a dredge [illegible] take.

Charles Maley will relieve Lisa Conger on Sat. Dec. 12th. L. Conger will return on Mon. Dec. 14th.

Nine person crew change at 0430 hrs 12/11/92. Both [illegible] are new. John [illegible] and Jimmy

- 12/11 0800 hrs. C. Maley on board to relieve L. Conger. Load 66-68. No incidents. Long load times at finish of Job.

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE EAGLE ONE
Savannah River Entrance Channel
December 1992 - March 1993
Contract # DACW21-92-B-0056

DAILY REPORT

Date: 11 / 30 / 92 (0600-0600 hrs.) Loads: 1-3

Area Worked: sections 35 + 500 to 42

Conditions: Clear, winds WSW 10-15 kts, seas 2-3' choppy, 61°

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

Comments: Observers boarded the Eagle I at approximately 2000 hrs.

All inflow screening is in place. The discharge boxes have all been equipped with end doors and top hatches constructed of steel grating. The grating has the required 4 in. x 4 in. openings. The forward overflow boxes have been screened on all sides and across the bottom with a wire mesh, also with 4 in. x 4 in openings. TEDs are in place on both dragheads and are in good condition.

There has been very little biological sample in either the discharge boxes or overflow screening. There have been a few specimens of starfish, octopi, horseshoe crabs and small eels.

The aerial survey team sighted no right whales. The Eagle I proceeded to the disposal area at normal speed.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Lisa Conger, Meg Hoyle

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE EAGLE ONE
Savannah River Entrance Channel
December 1992 - March 1993
Contract # DACW21-92-B-0056

DAILY REPORT

Date: 12 / 1 / 92 Loads: 4-10

Area Worked: sections 35+500 to 42

Conditions: clear, westerly 10-20 Kts, seas 1'-2' choppy, 59°

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

Comments: Discharge boxes continue to be relatively clean.
Minor repairs done to stbd TED chain mesh.
Digging mostly sand
There have been no sightings of right whales

Bridge Watch Summary

Species	No. of animals	Comments
Tt	9	all sighted around channel, choppy conditions

Observer(s) On Duty: Lisa Conger, Meg Hayle

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE EAGLE ONE
Savannah River Entrance Channel
December 1992 - March 1993
Contract # DACW21-92-B-0056

DAILY REPORT

Date: 12 / 2 / 92 Loads: 11-16

Area Worked: sections 35 + 500 - 42

Conditions: clear, winds westerly 10-15kts, seas 1-3' w/chop, 59°

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

Comments: Turtle taken during load # 14 (1921 hrs. - 2246 hrs.) Remains of juvenile C. caretta retrieved from port aft discharge box. Both fore flippers (each measuring approximately 12 in. in length), the head (measuring 4.5 inches in width), one rear flipper and miscellaneous pieces of plastron, carapace and scapula were collected. These parts were photo documented and placed in the ship's freezer.

Following load # 13, there was damage to both TED's. The starboard TED had a couple of chains hanging below the main crossbar. There were no significant size holes in the chain mesh. The port TED, however, had a large hole in the chain mesh aft of the main crossbar. These damages were reported to the mate on watch.

For the most part, biological sample continues to be light. No right whales have been sighted.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Lisa Conger, Meg Hoyle

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE EAGLE ONE
Savannah River Entrance Channel
December 1992 - March 1993
Contract # DACW21-92-B-0056

DAILY REPORT

Date: 12 / 3 / 92 (0600-0600) Loads: 17 - 22

Area Worked: stations 35+500 Red & Green

Conditions: clear winds NW 0-10 Kts, seas <1', 55°

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

Comments: Both TEDs required maintenance to the chain mesh. The area aft of the main crossbar and and vertically up to the dragheed appears to be the main problem area.

There was overflow going over the top of the overflow screening approximately twenty percent of the time.

There continues to be very little biological sample in the discharge boxes. Observers are mostly finding horseshoe crabs and large whelk shells. Many cannonball jellyfish can be seen in waters around dredge. Observers sighted no Tursiops truncatus today.

The frozen turtle parts were sent ashore today and delivered to Georgia DNR.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Lisa Conyer, Meg Hoyle

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE EAGLE ONE
Savannah River Entrance Channel
December 1992 - March 1993
Contract # DACW21-92-B-0056

DAILY REPORT

Date: 12 / 4 / 92 (0600hrs-0600hrs.) Loads: 23-28

Area Worked: sec. 35 + 500 - 42 Red & Green

Conditions: Cloudy, winds westerly 5-15 Kts, seas 0-1', 62°

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

Comments: The TEDs are basically in good shape. There are a few chains loose in the problem area that was mentioned yesterday. Also, the large shackles attached to the main crossbar on the port TED are wearing thin. These problems were reported to the mate on watch.

There were no sightings of any marine mammals.

Biological sample continues to be light.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Lisa Conger, Meg Hoyle

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE EAGLE ONE
Savannah River Entrance Channel
December 1992 - March 1993
Contract # DACW21-92-B-0056

DAILY REPORT

Date: 12 / 5 / 92 Loads: 29 - 34

Area Worked: stations: 20 + 000 Grn ; 35 - 42 Red & Grn.

Conditions: PC - clearing, winds westerly moving to NE 15 - 30Kts, seas 2'-8', 52°

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

Comments: The biological sample continues to be very minimal.

Large shackles connected to, and just off of main crossbar on the port TED had to be replaced. They had worn almost completely through where they drag on the bottom. Also, a large section of the chain mesh, on the port TED, had to be repaired. The dredge took a delay in order to complete these repairs.

Observers sighted no marine mammals or sea turtles in the surrounding waters.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Lisa Conger, Meg Hoyle

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE EAGLE ONE
Savannah River Entrance Channel
December 1992 - March 1993
Contract # DACW21-92-B-0056

WEEKLY SUMMARY

Dates: 11/30/92 - 12/5/92 Loads: 1 - 34

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

Comments: Observers boarded the dredge on 11/30/92 at approximately 2000 hrs. All required screening was in place and in good condition (see daily). TEDs were also in place on both draghead's.

Dredging began at 0006 hrs. on 12/1/92.

A turtle was taken on 12/2/92. Following load #14, parts of a juvenile Caretta caretta were retrieved from the port aft discharge box. These parts included the head (measuring 4.5 inches in width), both fore flippers (each measuring 12 inches in length), one hind flipper, and miscellaneous pieces of plastron, carapace and scaula. These pieces of turtle were photo documented and placed in the ship's freezer. The following day, 12/3/92, the turtle parts were sent ashore and delivered to Georgia DNR.

Both TEDs have required a good bit of repair throughout the week. Most repairs have involved the chain mesh. However, large shackles attached to the main crossbar had to be replaced on the port TED. They had worn almost completely through where they drag on the bottom.

Biological sample has been very minimal throughout the week.

No right whales have been sighted. Very few sightings of any other marine mammals

Bridge Watch Summary

Species	No. of animals	Comments
Tt	9	These were sighted near channel on 12/1/92. No other Tt's were sighted throughout the week.

Observers On Duty:

Lisa Conger
Meg Hoyle

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE EAGLE ONE
Savannah River Entrance Channel
December 1992 - March 1993
Contract # DACW21-92-B-0056

DAILY REPORT

Date: 12 / 6 / 92 Loads: 35 – 39

Area Worked: sta. 20+000 Red & Grn ; 42+000 Grn

Conditions: Cloudy, winds NE 0-25kts, seas 1'-5', 52°

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

Comments: Both TEDs required repairs to chain mesh today. Also, pieces of overflow screening had to be replaced.

The dredge went inside the jetties, at anchor, to change out the starboard drayhead. The new drayhead came equipped with a TED.

No sightings of any marine mammals.

Biological sample containers to be light.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Lisa Conger, Meg Hoyle

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE EAGLE ONE
Savannah River Entrance Channel
December 1992 - March 1993
Contract # DACW21-92-B-0056

DAILY REPORT

Date: 12 / 7 / 92 (0600hrs-0600hrs) Loads: 40-45

Area Worked: sta. 35+500 Red & Green

Conditions: overcast, winds westerly 0-5 kts, seas <1', 54°

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

Comments: The ship's boatswain got a fire hose set up for the observer's use. Observer's cleaned overflow screening, from the hopper deck, with this fire hose.

Around 2349 hrs. the starboard draghead was pinned between the ship's hull and the channel's shoal. The TED was mangled and a large dent is now on the top of the draghead. The deck crew worked approximately six hours reassembling the TED.

Biological sample continues to be light.

No sightings of any marine mammals.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Lisa Conger, Meg Hoyle

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE EAGLE ONE
Savannah River Entrance Channel
December 1992 - March 1993
Contract # DACW21-92-B-0056

DAILY REPORT

Date: 12 / 8 / 92 Loads: 46 - 52

Area Worked: Sta. 35+500 Red

Conditions: PC clearing, winds westerly 5-15 Kts, seas 0-4', 60°

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

Comments: No incidents involving sea turtles. * The aerial survey team sighted a N. Atlantic right whale approximately 9.2 miles from the disposal area. The dredge travelled to and from the disposal area at 3 Kts.

The Starboard TED required a new shackle to support the main crossbar. The TED came aboard following load #51 with no support to the middle of this crossbar, being supported only from both ends.

Biological sample continues to be light. Observers have been washing forward overflow screens using a fire hose from deck.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Lisa Conger, Peter Westerman

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE EAGLE ONE
Savannah River Entrance Channel
December 1992 - March 1993
Contract # DACW21-92-B-0056

DAILY REPORT

Date: 12 / 9 / 92 Loads: 53 - 55

Area Worked: stations 20+000 Grn.

Conditions: overcast, winds NE 15-20 kts, seas 3'-7', 55°

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

Comments: At 1215 hrs., a coast guard vessel with a NMFS agent aboard called dredge concerning turtle parts found. A local shrimper had reported trawling some "chopped up pieces of sea turtle". The shrimper had thrown the parts back overboard, so it was impossible to find out what species or possible numbers of animals. Though it is possible that these "chopped pieces" were a result of dredging activity, the turtle, as it stands now, will not count against the dredges' incidental take numbers.

No right whale sightings were reported by the aerial survey team.

Biological sample continues to be light

No marine mammals sighted from dredge.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Lisa Conger, Peter Westerman

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE EAGLE ONE
Savannah River Entrance Channel
December 1991 - March 1993
Contract # DACW21-92-B-0056

DAILY REPORT

Date: 12 / 10 / 92 Loads: 56-59

Area Worked: Stations 38 - 35+500; 14+000 Red

Conditions: overcast & clearing, winds westerly 10-15 kts, seas 2'-4', 61°

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

Comments: Both TEDs continue to need repairs after most every load. Crew replaced large shackles on lateral ends of main crossbar on port TED. These links were replaced once last week on the same TED. Both TEDs are in good condition.
Biological sample continues to be light.
No marine mammals sighted from the vessel.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Lisa Conger, Peter Westerman

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE EAGLE ONE
Savannah River Entrance Channel
December 1992 - March 1993
Contract # DACW21-92-B-0056

DAILY REPORT

Date: 12 / 11 / 92 Loads: 60 - 63

Area Worked: -14+000 → -20+000 Grn ; 35+500 Red

Conditions: PC : clearing, winds westerly 25-35 Kts, seas 1'-3' chop, 54

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

Comments: No sightings of marine mammals. TED's basically intact, minor repairs. Clean sediment.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Lisa Conger, Peter Westerman

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE EAGLE ONE
Savannah River Entrance Channel
December 1991 - March 1993
Contract # DACW21-92-B-0056

DAILY REPORT

Date: 12 / 12 / 92 Loads: 64 - 66

Area Worked: 35+020 - 37+200 Red

Conditions: Variable winds 0-25 NNW Clear skies Calm to 3 ft seas

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

Comments: TEDs intact, minor repairs to shackles. No marine mammals or sea turtles sighted

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: P. Westerman, C. Maley
CMaley

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE EAGLE ONE
Savannah River Entrance Channel
December 1992 - March 1993
Contract # DACW21-92-B-0056

DAILY REPORT

Date: 12 / 13 / 92 Loads: 67-70

Area Worked: 35+000 - 39+800 Red toe, 14000 - 15 855

Conditions: Clear to P.C. Winds: N 15-25 to NE Seas: 1-3, 3-5
Air Temp: 40°-60° Water: 54°

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

Comments: No marine mammals sighted. TED, intact. sediment clean.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Pete Westerman, Charles Maley
CMaley

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE EAGLE ONE
Savannah River Entrance Channel
December 1992 - March 1993
Contract # DACW21-92-B-0056

WEEKLY SUMMARY

Dates: 12 / 6 / 92 - 12 / 14 / 92 Loads: 35 - 72

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

Comments: * Aerial survey spotted N. Atlantic Right Whale 9.2 miles from the disposal area. Dredge slowed to 3knots on dump runs, 12/7/92.

TEDs required minor repairs routinely. Forward screens washed with fire hoses.

NMFS Agent passed on report of turtle pieces found in shrimp net. Origin undetermined, samples not retrieved.

No marine mammals or sea turtles sighted from bridge.

Bridge Watch Summary

Species	No. of animals	Comments

Observers On Duty:
Charles Maley
Peter Westerman