12/2/92 Dredging began @ 0000 hrs. 12/1/92. Observers, on board @ 2000 hrs 11/30/92, were Miriam Litchfield and Joe Ferris.

Inflow and skimmer arranged differently on this vessel. Screening appears to be adequate and I feel that a representative sample is being taken. Water temperature holding around 60°F.

Loads completed 1-12. No incidents to report

J. Ferris

12/3 No incidents to report
Loads 13-18, stations 270 to 355. Dredging primarily along the red tree.
No whales in the area. - - JJF
Note: ~~Eagle has taken 1 loggerhead (juvenile)~~

12/4 Loads 19-23, no incidents or sightings to report

Biologicals have been primarily horseshoe crabs, eels, star fish, little plant debris; some wood; several other species of fish; sand dollars; jellyfish.

(cont.)

1900

12/4 (continued) Deflector devices seem to be holding up. Port drayhead deflector showing some wear and has had to be repaired several times.

Note: Observers reporting week is to run from 0600 Sunday thru 0600 Sunday. Weekly report is to be completed on Sunday and copies distributed to the Corps rep., [redacted] project superintendant, and captain. Distribute copies of the report. Original should remain in the Observers' files.

JSF

12/5 Loads 24 - 28

No incidents to report or whales in vicinity. There seems to be some excessive wear on the port ted. Position of it appears to result in the deflector riding up under the rear of the drayhead. Working with welder (WH) and Captain Kent to correct problem. Plan on removing a couple of links from its forward attachment and repositioning and adding a chain link to the rear center attachment. Work will be over next couple of days. This should not interfere with

12/5 (continued) the "work" of this contraption.
Not much else to report, biological material has been light.

JSF

12/6 Loads 29-34
No whales sighted in vicinity

Rough seas have necessitated that we tie up the port/starboard lateral discharge baskets/screens. Once things settle down, this will need to be addressed, ie, making them more secure so that they need not be kept tied-up when its bad out. (Will address with M. Ward and Captain).

12/7 I've discussed this with Wh... Needs only be done if skimmer is continually clogged.

Dredge materials from the center and green toe of channel have been clogging the overflow screen (skimmer). This has primarily been from star fish and other biological materials. Will discuss opening up more of the screen with the welder. This may help?

It's not clear to me now at this point, but we (observers) are to invoice Chris Sly for our time on the dredge. I'll pass on (continued)

12/6 (continued) any specifics as I learn them. His mailing address during this job is:

See forms in observer box

Chris Slay
584 S. Fletcher Ave.
Amelia Island, FL
32034

(904) 277 - 2001

12/7 Loads 35 - 39 / No incidents
No whales reported in area...

Screens in all three landers (hopper in-flow chutes), need repair. I've spoken with WH and will speak with the captain about getting them repaired tomorrow. Briefly, the ends of the screens are coming free and being bent out by the force of the water. WH (the welder) had some recommendations for repairing them and will proceed once told so by the captain.

ERIC → You need to keep your eyes on the screens and deflectors. Miriam's experience is minimal and may not be clear on what's not to specification. There does not seem

12/7 (continued) to be anyone else checking them. The responsibility is the observers. Though, the crew has been very cooperative when we've identified a problem!

JSF

P.S. Eric since Miriam is doing the ~~[illegible]~~ daily reports, you may want to take on the log-book... However both of you can make entries in the log if you so desire.

Note to observers:

I placed a copy of the environmental requirements for this job and probably for all work this winter in the "references" folder. It provides specifics and may be useful to read.

P.S.S. There's talk of changing to a different style of dragheard. If it's just a short trial, work/talk with the Corps rep. about need to attach the deflector. Any long term use will require the deflector to be attached. Also, be sure that the size of opening is reduced.

One final, final, final note (and then I'll cap my pen)
The deflector devices on the California drag heads and the spare one lying on the stern will not

(continued)

12/7 (continued)

fit the IHS type draghead (the other one), as they are built. If attached in their current configuration/size they will sit app. 3 feet from the bottom when the draghead is on the bottom. The IHS draghead will need to have a deflector built for it or significant changes made to those presently in use. It will be up to the Corps inspector and office on what will be done. We can only advice and report on their decision.

12-8-92 Loads 40-47 no incident Eric Westerman aboard [illegible] Joe [illegible] off. 13 45 Aerial Survey Plane reports Right whale at 32°01'00" 80°34'04" 9.2 miles [illegible] of dump site slow bell tonight. T.E.D chains breaking every load. Repair will need to be done daily. EL

12-9-92 Loads 48-51 no incidents Skimmer clogging up during loading. Welder cut bigger holes in screen. Next Load still clogging up. [illegible] cut more [illegible] in screen. EL

12-10-92. Kim Brown 0800 for
miriam Litcefield. Load SS skimmer
clogged 8 times during loading
cycle. more 4x4" holes cut into
skimmer to help clogging problem.
Contract calls for approximately
4x4" problem to cut screen to
4'x4' would weaken screen to
much for safty. EW
12-11-92 Starboard dragarm
broken down. will only be dragging
on port arm. Maybe broken down
for the rest of the job. TED
hit obstruction and ripped
apart. Shop down about 2 hours
to weld and repair. Skimmer
still clogging during some loads. EW
12-12-92 TEDs repaired again
major and minor chains. Skimmer
clogged only once today. NO report
from GCT aboard today. concerned
about skimmer clogging. Looking
into new design. I suggested
putting in heavy duty 4"x4"
bars in skimmer. EW

12-13-92 Skimmer still clogging, during loading, Skimmer ⅓ 1"x4" ⅓ 7x4 ⅓ 4"x5" screen size. Starboard Dragarm working again. TED Repaired again. EW

12-14-92 Port overboard discharge Ripped off on the way to the dump due to heavy seas. checked with chris about freezing sturgeon. only need to freeze shortnose sturgeon and not Atlantic sturgeon. We have caught 3 Atlantic sturgeons in the Last 18 hours. whale survey report no sightings. All Port overboard discharge sediment will go into the hopper. Still have 100% inflow and overboard flow screening. Starboard TED repaired. EW

12-15-92 whale survey reports no [illegible] sightings. TED chain repaired. Starboard discharge Box tied up due to heavy seas. EW

12-16-92 whale survey reports no sightings. TEDs major and minor [illegible] repaired. EW

12-17-92 whale survey reports no sightings. sturboard TED middle chain broken and replaced. EW
12-18-92 whale survey reports no sightings EW
12-19-92 whale survey cancelled due to fog. ship to maintan S-8 to the the dump. EW
12-20-92 Aerial survey reports no sightings. No Incidents
12-21-91 Job Ends load 94 pending survey.

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Savannah River Entrance Channel
December 1992
Contract # DACW21-93-C-0014

DAILY REPORT

Date: 12 / 1 & 2 / 92 Loads: 1-12

Area Worked: Stations 270 to 355, tie

Conditions: Clear to partly cloudy; Seas 1-3'; Winds westerly 10-20 knts.
Air Temp. 46-56°F; Sea Water Temp. ~ 61°F

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

Comments: This report covers start of dredging at 0000 hrs., 1 December through 0600 hours, 2 December. All required inflow and outflow screens and deflector devices in place. No incidents with species of concern to report. Skimmer screen providing a good sample of biological materials. Organisms are primarily eels, horseshoe crabs, star fish, sand dollars, and a few fish species. Dredge material primarily sand/silt.

Bridge Watch Summary

Species	No. of animals	Comments
Bottlenosed Dolphin	6-8	North of dredging area.

Observer(s) On Duty: Miriam Litchfield, Joe Ferris

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Savannah River Entrance Channel
December 1992
Contract # DACW21-93-C-0014

DAILY REPORT

Date: 12 / 2-3 / 92 Loads: 13-18

Area Worked: Stations 270 to 355, Toe

Conditions: Clear to P. Cloudy, Seas 2'-4' Winds - WSW to NW, 12-20 knots
Air Temp. 49-60°F Sea Water Temp. ~60°F

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

Comments: No incidents with species of concern to report.
Longer dredging cycles - 4½ hours - Hard packed sand and silt
TEDs maintained - 1 repair to vertical chain piece on Port TED -
Horseshoe crabs, Eels, Starfish, and a few fish species main organisms observed in samples -
No whales reported in vicinity

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Minnie Litchfield, Joe Ferris

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Savannah River Entrance Channel
December 1992
Contract # DACW21-93-C-0014

DAILY REPORT

Date: 12 / 3-4 / 92 Loads: 19 – 23

Area Worked: Stations 270 to 355, toe

Conditions: Clear to P. Cloudy, Seas 0-3', Winds NW to NE, Knots 0-15, Temp 48°-54°F
Water Temp. 59°F

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

Comments: No incidents with species of concern
4½ dredging cycles - Hard packed sand and silt
TEDS maintained - 2 repairs made to
chains of Port TED -
Organisms in sample remain primarily
Horseshoe Crabs, Eels, Starfish, a few species of fish

No whales reported in vicinity

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Miriam Litchfield, Joe Ferris

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Savannah River Entrance Channel
December 9192
Contract # DACW21-93-C-0014

DAILY REPORT

Date: 12 / 4-5 / 92 Loads: 24-28

Area Worked: Stations 270 to 355, Toe

Conditions: P. Cloudy to Overcast, Seas 0'-2', Winds W-ESE, 4-15 knots
air temp 50°-60°F, Water Temp. 59°F

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

Comments: - No incidents
- 3½-4 hr. dredging cycles
- Port Ted - excessive wear to rear metal bars and shackles - 2 chain links removed from front chains, pulling deflector forward to possibly prevent excessive wear -

- no whales reported in vicinity

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Joe Ferris, Marian Litchfield

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Savannah River Entrance Channel
December 1992
Contract # DACW21-93-C-0014

DAILY REPORT

Date: 12 / 5-6 / 92 Loads: 29 - 34

Area Worked: Sta. 270 to 355 toe - channel width

Conditions: Overcast to clear, Seas 1-6', Winds NW-NE, 15-30 knots
Water Temp. 58°F 44°-58°F

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

Comments: No incidents with species of concern
Port Ted - New attachment (for rear centre assembly to dragarm) welded with new links
Towards end of time period - increased winds and seas - changed dredge area to full width of channel - Skimmer clogged repeatedly - cleaned by hand of starfish, sand dollars, horseshoe crabs, etc
Lateral Discharge basket (Port side) tied up due to rough seas
No whales reported in vicinity

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Miriam Fetchfield, Joe Ferris

Week 1

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Savannah River Entrance Channel
December 1992
Contract # DACW21-93-C-0014

WEEKLY SUMMARY

Dates: 12 / 1 / 92 (0000 hrs.) - 12 / 6 / 92 (0600 hrs.) Loads: 1 thru 34

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

Comments: No incidents or observations of species of concern. No whales sighted within designated survey area during aerial surveys.

Biological specimans in screens include horseshoe crabs; eels; star fish; sand dollars; and few other species of fish. Some clogging of skimmer screen with organisms during loading. Material primarily sand/silt.

Screening of inflow and outflow structures meets or exceeds contract specifications. All screens are intact.

Draghead deflectors are also in place and have required some maintenance and repair.

Bridge Watch Summary

Species	No. of animals	Comments
Bottlenosed Dolphin	6-8	Noted on 12/2/92, just north of dredging area.

Observers On Duty:
Miriam Litchfield
Joe Ferris

18-12
~~8:20~~
18:20
249.8

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Savannah River Entrance Channel
December 1992
Contract # DACW21-93-C-0014

DAILY REPORT

Date: 12 / 6-7 / 92 Loads: 35-39

Area Worked: Sta. 270 to 355 Toe (short period channel width)

Conditions: Overcast-clear, Seas 2'-5', Winds NNE, 10-25 knots, Temp. 46°-52°F
Water Temp. 58°F

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

Comments:

No incidents with species of concern to report

Jeds maintained - repairs (Port Jed) holding up

(am) Lateral (Starboard) Discharged Basket temporarily tied up due to rough seas. Replaced in afternoon — (as well as Port Basket earlier tied up)

(am) - Closed Skimmer (part time) due to dredging channel width during rough seas (under diversity of organisms)

No whale sightings reported

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Joe Ferris Miriam Litchfield

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Savannah River Entrance Channel
December 1992
Contract # DACW21-93-C-0014

DAILY REPORT

Date: 12 / 7-8 / 92 Loads: 40-45

Area Worked: Sta. 270 to 355 Toe

Conditions: Overcast, Seas 1'-3', Winds NW to NE, 10-15 Knots, Temp. 44° 34°
water temp. 58°F -

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

Comments:

- No incidents with species of concern
- Jeds maintained - shackle replaced on Port Jed -
- Very little material/organisms in Skimmer -

No whale sightings to report

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Miriam [illegible] JOC [illegible], ERIC [illegible]

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Savannah River Entrance Channel
December 1992
Contract # DACW21-93-C-0014

DAILY REPORT

Date: 12 / 8-9 / 92 Loads: 46 – 50

Area Worked: Sta. 270 to 355 Red Tow

Conditions: P Cloudy-Overcast, Seas 1-5', Winds NW-NE, 10-20 knots
Water Temp. 55°F Air Temp. 48°-51°F

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

Comments:

No incidents with species of concern
Jetty maintained shackle replaced
on Port Jetty -
Horseshoe Crabs remain primary
organisms on skimmer, landers, disposal
Discharge Boxes tied up (7am - 12/9) due to rough seas -
Right whale spotted during aerial survey -
32° 0' 07" 80° 34' 04" 9.2 miles
ENE - inside 10 mile project area -
- slow bell. 3 knots from sundown to
sunset - (2 M. dump runs)

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Miriam Stickfield / Eric Westerman

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Savannah River Entrance Channel
December 1992
ContraCT # DACW21-93-C-0014

DAILY REPORT

Date: 12/9-10/92 Loads: 51-54

Area Worked: sta 270 to 355 mid channel

Conditions: Overcast, seas 4'-8' winds NE 15-30 KTS
water temp 55° temp 40-48

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

Comments: No incidents or sightings with species of concern.

Skimmer clogging up with Horseshoe crabs, starfish cut during loading cycle. screen 1"x4" and 4"x4", welder cut more 4"x5" holes in screen to help prevent clogging problem. Skimmer still clogging up with biological debris. Will cut more 4"x4" holes tommorow.

Aerial survey plane reports no sighting.

Bridge Watch Summary

Species	No. of animals	Comments
Tursiops truncatus	6	In channel near buoy 5

Observer(s) On Duty: ERIC Westerman / Marian L. Litchfield

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Savannah River Entrance Channel
December 1992
Contract # DACW21-93-C-0014

DAILY REPORT

Date: 12 / 10-11 / 92 Loads: 55 59

Area Worked: Sta 270 + 355 one load 200 + 270

Conditions: cloudy, Rain, seas 2'-7' winds variable 10-25K water Temp 55° temp 46-50

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

Comments: Biological samples consists mainly of Horseshoe crabs, Starfish, Flounder, Blue crabs Hermit crabs, sandfleas, mantis shrimp, Eels.

More holes cut in skimmer screen to prevent clogging. With the large amount of horseshoe crabs it will be ineffable that the screen will clog during loading.

Overboard discharge boxes pulled up due to large seas

Aerial survey reports no sightings

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: ERIC Westerman / Kim Brown

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Savannah River Entrance Channel
December 1992
Contract # DACW21-93-C-0014

DAILY REPORT

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

Area Worked: Sta 270 - 355

Conditions: Sky cloudy, seas 3'5' winds NW 20-35 Kts
water temp 55° temp 47

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

Comments: TEDS repaired in morning. Night
Port TED Hits obstruction and breaks apart.
ship down about 2 hours to repair.

Starboard dragarm down due to
stripped gear box. only digging on port arm
till repair can be done. This maybe for awhile.

whale survey reports no sightings

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: ERIC Westerman/Kim Brown

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Savannah River Entrance Channel
December 1992
Contract # DACW21-93-C-0014

DAILY REPORT

Date: 12/12-13/92 Loads: 64 - 67

Area Worked: sta 270+355 one load 7-00 - 14+00

Conditions: sky clear seas 1'-4' winds variable calm to 35KT. water temp 52° temp 39-55

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

Comments: TED damaged again today. major and minor chains repaired. crew continues to work on TED and keep it in good working order.

Aerial survey reports no sightings.

Still dragging with only port draghead.

Skimmer clogged only once today

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: ERIC Westerman / Kim Brown

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Savannah River Entrance Channel
December 1992
Contract # DACW21-93-C-0014

WEEKLY SUMMARY

Dates: 12/6/92 0600 - 12/13/92 0600 Loads: 35-67

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

Comments: Aerial survey reports Right whale sighting at 32°00'07" 80°34'04" on 12-8-92. Whale 9.2 miles ENE of the dump site. Ship maintained three knots to and from the dump from sunset to sunrise.

Biological samples consists mainly of Horseshoe crabs, Starfish, Blue crabs, Flounder, whelks, Sandollers, Eels, mantis shrimp, Hermit crabs, spider crabs, sea squirts, croakers, stargazers, pink shrimp, sea pork. Over 90% of all samples consists of Horseshoe crabs.

Major and minor work done to TEDs daily. Ships crew has done outstanding work keeping TEDs in good shape. Small and large chains breaking on TEDs.

Screening system aboard very effective. Problem with skimmer screen clogging during loading. Screen size ⅓ 1"x4" ⅓ 4"x4" ⅓ 4x5". Suggestion to make screen all 4"x4" with heavy duty rods with a trap door. This should eliminated or reduce the amount a times the skimmer gets clogged. The trap door could reduce the cleaning during loading if it clogged up.

Bridge Watch Summary

Species	No. of animals	Comments
Tursiops Truncatus	6	In channel near buoy 5

Observers On Duty:

ERIC Westerman
Kim Brown
Joe Ferris
Marian Litchfield

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Savannah River Entrance Channel
December 1992
Contract # DACW21-93-C-0014

DAILY REPORT

Date: 12/13-14/92 Loads: 68-71

Area Worked: sta 270+355 7:00 + 14:00

Conditions: sky clear seas 1'-3' winds calm to NW 20 kt. water temp 52° temp 55 47

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

Comments: starboard draghead working again load 70.

Aerial survey reports no whale sightings.

Skimmer clogging up during load

Bridge Watch Summary

Species	No. of animals	Comments
Tursiops Truncatus	3	near buoy 20

Observer(s) On Duty: ERIC Westerman / Kim Brown

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Savannah River Entrance Channel
December 1992
Contract # DACW21-93-C-0014

DAILY REPORT

Date: 12 / 14-15 / 92 Loads: 72 + 76

Area Worked: 7+000 +14+000 270 + 355

Conditions: cloudy, seas 3'-6' wind NW-NE 10-25 KT. water temp 52°

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

Comments: Aerial survey reports no whales.

Port discharge box lost overboard due to rough seas en route to the dump on load 73. Will have to build new box for Portside. All inflow 100 percent screened. All material going into hopper 100 percent screened. Side overflow used to clean pipes or used when not getting any material. without Port discharge box total amount of overflow area screened 66.6 percent. Hopper overflow screen is used 100 percent of the time and is main biological sampling screen. Not losing much sampling with Port overboard screen gone, majority overflow in hopper screen.

Bridge Watch Summary

Species	No. of animals	Comments
Tursiops truncatus	3	near buoy 20

Observer(s) On Duty: ERIC Westerman / Kim Brown

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Savannah River Entrance Channel
December 1992
Contract # DACW21-93-C-0014

DAILY REPORT

Date: 12 / 15-16 / 92 Loads: 77-79

Area Worked: 270-355

Conditions: cloudy, seas 4'-6' wind variable 10-20 kt
water temp 50 temp 44-4

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

Comments: Aerial survey reports no sightings.

Starboard overboard discharge box tied up due to heavy seas.

TED chains repaired.

Lander inflow screens begging to show some wear and tear.

Bridge Watch Summary

Species	No. of animals	Comments
Tursiops truncatus	3	Between buoy 6-8

Observer(s) On Duty: ERIC Westerman, Kim Brown

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Savannah River Entrance Channel
December 1992
Contract # DACW21-93-C-0014

DAILY REPORT

Date: 12/16-17/92 Loads: 80 - 82

Area Worked: sta 270 + 355

Conditions: cloudy, seas calm to 3'-5' winds calm water temps 50, temps 52-60 to NNW 20-25 kts

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

Comments: whale survey reports no sightings.

TEDs, starboard large shackle replaced; port minor chains shackled.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Eric Westerman / Kim Brown

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Savannah River Entrance Channel
December 1992
Contract # DACW21-93-C-0014

DAILY REPORT

Date: 12 / 17-18 / 92 Loads: 83 - 85

Area Worked: sta 270-355, 27 + 20 310-355

Conditions: cloudy, seas 1'-4' winds variables 5-25 kts water temp 53 temp 46-5

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

Comments: Aerial survey reports no sightings

TEP portside middle large chain broken and repaired.

Biological sample almost all horseshoe crabs.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: ERIC Westerman / Kim Brown

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Savannah River Entrance Channel
December 1992
Contract # DACW21-93-C-0014

DAILY REPORT

Date: 12 / 18-19 / 92 Loads: 86-88

Area Worked: sta 330 + 355

Conditions: cloudy, seas 1-5, winds variable 5-20 kts
water temp 53° temp 53°

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

Comments: Aerial survey reports no sightings.

TED replaced center shackles on each TED.

Biological samples small, couple horseshoe crabs and starfish.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: ERIC Westerman, Kim Brown

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Savannah River Entrance Channel
December 1992
Contract # DACW21-93-C-0014

DAILY REPORT

Date: 12 / 19-20 / 92 Loads: 89-91

Area Worked: Sta 330 + 355

Conditions:

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

Comments: Aerial survey cancelled due to fog. Sunset to sunrise 5-8 Kts to and from dump.

Biological sample small, couple horseshoe crabs per load.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Eric Westerman / Kim Brown

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Savannah River Entrance Channel
December 1992
Contract # DACW21-93-C-0014

DAILY REPORT

Date: 12/20-21/92 Loads: 92-94

Area Worked: Sta 330 + 355

Conditions: Mostly cloudy, seas calm to 2' 4' winds variable water temp 56 temp 54-54

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

Comments: Aerial survey reports no sightings.

Job finished load 94 pending final survey.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: ERIC Westerman / Kim Brown

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Savannah River Entrance Channel
December 1992
Contract # DACW21-93-C-0014

WEEKLY SUMMARY

Dates: 0600 12/13/92 - 0600 12/21/92 Loads: 68-94

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

Comments: TEDs being repaired almost daily and kept in good shape.

Port discharge box lost overboard due to rough seas en route to the dump on Load 73. Will have to build new discharge box for the portside. Majority of overflow goes through skimmer screen. Skimmer is the main biological sampling screen. Loader screens beginning to show some tear.

Biological sample mainly Horseshoe crabs.

Aerial survey reports no whales all week. Due to fog aerial survey cancelled 12-19-92. Sunset to sunrise 5-8 kts.

Job finished load 94 with no incidents involving endangered or protected species. Aerial survey reported one Right whale sighting on 12-8-92. Job finished Pending final survey.

Bridge Watch Summary

Species	No. of animals	Comments
Tursiops Truncatus	9	

Observers On Duty:
Eric Westerman
Kim Brown

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE OUACHITA
Savannah River Entrance Channel
December 1992
Contract # DACW21-93-C-0014

WEEKLY SUMMARY

Dates: 12/21/92 - 12/23/92 Loads: 95-101

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

Comments: ship returns from fueling and and begins to clean up stations 140-160 approximately 1900 12-21-92. observers called back to work and return 1930 12-21-92. observers catch next boat out. observers out for loads 97-100. ship goes to anchor load 100 due to heavy fog. Job maybe done, waiting on final survey. No aerial survey today. ship maintained 5.8 kts during the night on the way to the dump.

Ship begins load 101 at 0752 12-23-92. ship gets word that jobs been approved. ship will dump 11 900 then get on the way.

Job Ends, no incidents on the job.

Bridge Watch Summary

Species	No. of animals	Comments
Terrapin turtles	2	

Observers On Duty:
ERIC Westerman
PETER Westerman