

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Atchafalaya-Freeport Texas
Gulf Coast Trailing Company

DAILY REPORT

Date: 09 / 26 / 95 Loads: 01-14

Area(s) Worked: Stations 180+00-130+00

Weather Conditions: Partly cloudy, Winds E 20 knots, Seas 4'-6'

Range of H₂O Temperature: Surface 28° c Below Mid-Depth 28° c

Condition of all screening apparatus: See report

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

Comments (type of material being dredged, biological specimens, etc.): _____

The dredge is equipped with one draghead on the starboard side. The draghead has been fitted with the new solid style Ted. Two snorkels will be placed on top of the draghead tomorrow. There are no open hatches that need to be screened. The inflow pipe is located on the port side of the hopper. The inflow screening consist of two lateral screened areas inside the pipe. These screens are 4"x4" and have hatch openings on top of the pipe. Observers open up hatches and crawl inside the pipe to clean. The material used is made up of thin bars and will probably need alot of maintenance. At the end of the inflow pipe there is a lander with 4"x4" screening. The screen is 49" in height and 67" in width. So the dredge is 100% inflow screened. No material will be pumped through the overflow discharge pipe with out going through the screens first.

Dredge arrives at first light and commences dredging at 1030. Material digging is mud and some clay. Samples mainly consist of trash, bryozoan, mud worms, whelks, whelk egg cases and shell.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
No sightings	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Atchafalaya-Freeport Texas
Gulf Coast Trailing Company

DAILY REPORT

Date: 09 / 27 / 95 Loads: 15-40
 Area(s) Worked: Stations 180+00-130+00
 Weather Conditions: Mostly clear, Winds variable 10-15 knots, Seas 2'-4'
 Range of H₂O Temperature: Surface 28^oc Below Mid-Depth 28^oc
 Condition of all screening apparatus: Screening intact and working fine, see report for clay overflow.

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

Comments (type of material being dredged, biological specimens, etc.):
Material digging is mud and clay. The clay quantities
being sampled in the lander has increased. So much clay is being
dug that the lander fills up with clay and overflows into the hopper.
This clogging of the screen is causing problems with sampling and
entrance to the lander. Some material is even spilling on to the deck.
Cut times are short, approximately half an hour or less. Observers
have talked to the captain about improving the situation. Some
new improvements will be made to try to deal with all this clay.
Samples are mostly clay, other samples include catfish,
wood, bryozoan, mud worms, whelks and trash.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
No sightings			

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Atchafalaya-Freeport Texas
Gulf Coast Trailing Company

DAILY REPORT

Date: 09 / 28 / 95 Loads: 41-65
 Area(s) Worked: Stations 180+00-130+00
 Weather Conditions: Clear, Winds NE 10-15 knots, Seas 2'-3'
 Range of H₂O Temperature: Surface 28°c Below Mid-Depth 28°c
 Condition of all screening apparatus: Intact and working fine with clay overflow

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

Comments (type of material being dredged, biological specimens, etc.):
Clay quantities continue to cause and overflow
problem. When digging the clay samples can fill up the
the lander in a couple of seconds, this is causing material
to flow over the lander laterally. This spills material on
to the deck and into the hopper. The first idea was to add
some lateral screening to the side of the lander. But the
clay samples have been so large at times that the clay
has started to backup into the pipes. This has forced the
hatch doors open from all the backup pressure. Maybe the clay
problem wont be so bad in the other stations. But the inflow
sampling system setup on the dredge is a good standard system.
The problem is with this dredge or any other dredge there
is no way to have a good inflow sampling system when the
dredge is digging this much clay. Some improvements can
be made with the spillage of material on to the deck and
clay build up on the walk way.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		4	Bottlenose dolphins

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Atchafalaya-Freeport Texas
Gulf Coast Trailing Company

DAILY REPORT

Date: 09 / 29 / 95 Loads: 66-73

Area(s) Worked: Stations 180+00-130+00

Weather Conditions: Clear, Winds SE 10 knots, Seas 2'-4'

Range of H₂O Temperature: Surface 28° C Below Mid-Depth 28° C

Condition of all screening apparatus: Inflow screening intact and working fine with clay overflow.

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

Comments (type of material being dredged, biological specimens, etc.):

After dumping load 73 at 0817 dredge experiences
some hydraulic hose problems. Dredge goes into port for
the day to make the repairs. Changes to the lander entrance
and splash board will be put on today.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>No sightings</u>	<u> </u>	<u> </u>	<u> </u>
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Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge Atchafalaya-Freeport Texas
Gulf Coast Trailing Company

DAILY REPORT

Date: 09 / 30 / 95 Loads: 74-95

Area(s) Worked: Stations 180+00-130+00

Weather Conditions: Partly cloudy, Winds SE 10-15 knots, Seas 4'-6'

Range of H₂O Temperature: Surface 27-28^oC Below Mid-Depth 27-28^oC

Condition of all screening apparatus: Load 78 fore lateral screening had a blowout. Screen was not repairable. The door was closed so all material will flow through the mid and lander screening.

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

Comments (type of material being dredged, biological specimens, etc.):
Material digging is still mud and large amounts
of clay. So it is no problem to close the fore lateral
loading door. The door will be kept closed until a new
screen can be put in. Or if the whole project is mud the
door maybe kept closed.
The new splash board and walkway are in place
and working fine. Clay samples are still large in quantity.
99% of all samples is clay. Clay overflow in these stations
happens on every load. Other samples include catfish, whelks,
whelk egg cases, bryozoan, net and trash.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tt</u>	<u> </u>	<u>2</u>	<u>Bottlenose Dolphins</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Atchafalaya - Freeport Texas
Gulf Coast Trailing Company

WEEKLY SUMMARY

Dates: 09 / 26 / 95 - 09 / 30 / 95 Loads: 01-95

Range of H₂O Temperature: Surface 27-28° C Below Mid-Depth 27-28° C

Area(s) Worked: Stations 180+00-130+00

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

Comments: No turtles were sighted or sampled this week.

Material digging this week has been mud and large
amounts of clay. There is so much clay in this area
that it has been overflowing over the lander screen.

This has also been making material overflow on to
the deck and making entrance to the lander difficult.

Observers with the captain and crew have come up with
some solutions. A splash board has been put up by the
lander keeping material from overflowing onto the deck.

A new entrance was made for observers to get to the
lander. As far as the clogging of the lander screen
and overflow goes there is not much that can be done
about that. Maybe this will not be a problem when
the dredge moves into another area. The fore lander
screen had a blowout this week. The door was closed
and all material now goes through the mid lateral and
lander screening.

Samples this week are mainly clay, trash, bryozoan,
whelks, catfish, mud worms, whelk egg cases, wood,
rock and shell.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tt</u>	<u> </u>	<u>6</u>	<u>Bottlenose Dolphins</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
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Observers On Duty: Eric Westerman, Peter Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Archafalaya - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 10 / 01 / 95 Loads: 96-107

Area(s) Worked: Stations 180+00-130+00

Weather Conditions: Partly cloudy, Winds NE 15-20 knots, Seas 5+8'

Range of H2O Temperature: Surface 27°C Below Mid-Depth 27°C

Condition of all screening apparatus: Mid lateral screen had a blowout. The door was closed, all material now flows to the lander.

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

Comments (type of material being dredged, biological specimens, etc.):

Clay samples still very large in quantity. All loads had clay overflow. Other samples include bryozoan, trash, shell and catfish.

Seas and winds are picking up. Due to bad weather dredge goes into port at 1800.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		10	Bottlenose Dolphins

Eric Westerman, Peter Westerman

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Atchafalaya* - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 10 / 02 / 95 Loads: NA

Area(s) Worked: NA

Weather Conditions: NA

Range of H₂O Temperature: Surface Below Mid-Depth

Condition of all screening apparatus:

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

Comments (type of material being dredged, biological specimens, etc.):

Dredge is at the dock due to bad weather. Dredge travels to Texas city to do some repairs.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Eric Westerman, Peter Westerman

Observer(s) On Duty:

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge *Atchafalaya* - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 10 / 03 / 95 Loads: NA

Area(s) Worked: NA

Weather Conditions: NA

Range of H₂O Temperature: Surface Below Mid-Depth

Condition of all screening apparatus:

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

Comments (type of material being dredged, biological specimens, etc.):

Dredge is in Texas city for repairs.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge *Atchafalaya* - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 10 / 04 / 95 Loads: NA

Area(s) Worked: NA

Weather Conditions: NA

Range of H₂O Temperature: Surface Below Mid-Depth

Condition of all screening apparatus:

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

Comments (type of material being dredged, biological specimens, etc.):

Dredge is in Texas city for repairs.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge *Atchafalaya* - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 10 / 06 / 95 Loads: 119-154

Area(s) Worked: Stations 130+00-180+00

Weather Conditions: Clear, Winds N 10-20 knots, Seas 2'-3'

Range of H₂O Temperature: Surface 26°C Below Mid-Depth 26°C

Condition of all screening apparatus: In good working order

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

Comments (type of material being dredged, biological specimens, etc.):

Clay samples continue to be large in quantity. Clay
samples continue to overflow over the lander screen on most
loads. Other samples include trash, wood, whelks, whelk egg
cases, bryozoan and rock. Samples are very small in the mid
fore lateral screens.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
No sightings			

Eric Westerman, Peter Westerman

Observer(s) On Duty: _____

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Atchafalaya - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

FILE

WEEKLY SUMMARY

Dates: 10 / 01 / 95 - 10 / 07 / 95 Loads: 96-189

Range of H₂O Temperature: Surface 26-27-28°C Below Mid-Depth 26-27-28°C

Area(s) Worked: Stations 130+00-180+00

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

Comments: The dredge went into port sunday night due to bad weather. Monday dredge went to Texas city for some repairs.

Dredge commenced digging again thursday afternoon. Before the dredge went in on sunday the mid lateral screen had a blowout.

The door was closed and all material was screened through the lander screen. The fore screening had a blowout the day before.

While the dredge was in port a new heavy duty screen was welded into the mid and fore lander. This new screening will holdup to the pressure and will be maintenance free. The lander screening is intact and in good working order.

The material digging this week has been mud and clay. Samples have mainly consisted of large quantities clay. Clay quantities are so large that most loads the lander screen overflows with clay. Other samples include bryozoan, trash, whelks, pen shell, whelk egg cases, wood, catfish, eels and redfish. Even though the lander screen is clogging up and overflowing on most every load the dredge is setup to get the best samples it can. The inflow sampling works fine when the dredge is not digging such large amounts of clay. Maybe when the dredge moves into a new area clay samples will not be so large in quantity. No turtles were sighted or sampled this week.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		15	Bottlenose Dolphins

Observers On Duty: Eric Westerman, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge Archafalaya - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 10 / 08 / 95 Loads: 190-225

Area(s) Worked: Stations 130+00-155+00-180+00

Weather Conditions: Clear, Winds Variable 5-10 knots, Seas 1-4

Range of H2O Temperature: Surface 26-27°C Below Mid-Depth 26-27°C

Condition of all screening apparatus: Intact and in good working order

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

Comments (type of material being dredged, biological specimens, etc.):

Clay samples continue to be large in quantity.

Clay overflow still is happening on every load. Other samples are small in quantity and include bryozoan, whelks, shrimp, eel, blue crabs, whelk egg cases, trash and rock.

Fore and mid doors are staying closed most of the time during loading.

Bridge Watch Summary

Table with 4 columns: Species, # of Sightings, # of Animals, Comments. Row 1: No sightings.

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Atchafalaya* - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 10 / 09 / 95 Loads: 226-260

Area(s) Worked: Stations 130+00-180+00

Weather Conditions: Clear, Winds calm to variable 10 knots, Seas 1-3

Range of H₂O Temperature: Surface 26-27°C Below Mid-Depth 26-27°C

Condition of all screening apparatus: Intact and working fine. New screening added to the port overboard discharge pipe. This screening is 4"x4".

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.):

On load 254 a adult Loggerhead was stuck to the draghead and intestines were sampled in the lander. The draghead was brought on deck and the turtle was pried out. The turtle was covered with clay. The carapace was severely crushed and a small section from the posterior part of the carapace was missing. The carapace was covered with over 100 barnacles. The turtle was photographed and measured. The turtle will be disposed of at the disposal site tomorrow. The turtle will be weighted down so not to be dredged up again or wash up on the beach. Due to sampling the intestines in the lander it is assumed that the turtle was not taken at the end of the digging cycle. The lander usually fills up with clay and the material overflows over the side. Raphael the dragtender on duty has done a good job at keeping the drags on the bottom while pumping. Material in this area is mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		8	Bottlenose Dolphins, sighted all day in the cut area.

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Atchafalaya* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 10 / 12 / 95 Loads: 280-281

Area(s) Worked: Stations 130+00-180+00

Weather Conditions: Cloudy, Winds E 25 knots, Seas 5-8

Range of H₂O Temperature: Surface 25⁰C Below Mid-Depth 25⁰C

Condition of all screening apparatus: Welds on the lander screening becoming undone, but still in good working order.

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

Comments (type of material being dredged, biological specimens, etc.):

A new screen for the lander has been constructed.

The old screen is still in place and working fine for now.

Although its just a matter of time when this screen will fall apart. So the dredge is ready with a replacement screen when this happens. The new screen is 4"x4" and made out of sturdy material. This new screen will not need any maintenance once it is put in.

Two loads were dug before the weather turned bad and dredge went into port.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
No sightings	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Eric Westerman, Peter Westerman

Observer(s) On Duty: _____

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Atchafalaya* - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 10 / 13 / 95 Loads: 282-292

Area(s) Worked: Stations 130+00-180+00

Weather Conditions: Cloudy, rain, Winds NE 10-15 knots, Seas 3-6

Range of H₂O Temperature: Surface 26°C Below Mid-Depth 26°C

Condition of all screening apparatus: Lander screen is still holding up.

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

Comments (type of material being dredged, biological specimens, etc.):

Dredge commence digging again at 1122. Samples

remain mostly clay. Clay overflow still happens on all

loads. Other samples include bryozoan, spider crabs, trash

and shell.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
No sightings			

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *Atchafalaya* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

WEEKLY SUMMARY

Dates: 10 / 08 / 95 - 10 / 14 / 95 Loads: 226-300

Range of H₂O Temperature: Surface 25-26-27⁰C Below Mid-Depth 25-26-27⁰C

Area(s) Worked: Stations 130+00-155+00-180+00

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

Comments: On the 9th a loggerhead sea turtle was sampled in the
in the lander and draghead. The turtle was photographed and
measured. On the 10th the turtle was weighted down and disposed
of at the disposal site. The material in the area that the
turtle was sampled in is mud and clay. The plastron had a one
cm of clay covering on it. Several pieces of the intestines
were sampled in the lander screen. This indicates that the turtle
was not taken at the end of the load. Due to the screen clogging
up with clay the intestines probably would not have been sampled
were they were found. The pieces were sampled near the bottom
of the screen. The dragtender on duty at the time has done a
good job at keeping the drags on the bottom while pumping.

The lander screen this week has becoming undone from
the broken welds. The screen is in good working order still.
A new screen has been constructed and will be put into place
when needed. This new screening is made out of a sturdy material
and will holdup to all the pressure and wear and tear. A new
screen was also placed in the port overboard discharge pipe.

The dredge went into port this week three times. Twice
due to weather and once for repairs. The material digging this
week has been mud and clay. Samples continue to be mostly clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tt</u>	<u> </u>	<u>8</u>	<u>Bottlenose Dolphins</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
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Observers On Duty: Eric Westerman, Peter Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Archafalaya - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 10 / 15 / 95 Loads: 301-305

Area(s) Worked: Stations 130+00-180+00

Weather Conditions: Clear, Winds light airs, Seas 6-8

Range of H2O Temperature: Surface 24°C Below Mid-Depth 24°C

Condition of all screening apparatus: Lander screen is holding, all other screens intact.

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

Comments (type of material being dredged, biological specimens, etc.):

Dredge comes out of port in the afternoon to commence dredging again. After a brief try at dredging ship goes to anchor to wait for the seas to subside more. Dredging starts again at 2016. Samples remain mostly clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
No sightings			

Eric Westerman, Peter Westerman

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Atchafalaya* - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 10 / 16 / 95 Loads: 306-337

Area(s) Worked: Stations 130+00-180+00-127+00-158+00

Weather Conditions: Clear and partly cloudy, Winds NE 5-20 knots, Seas 3-7

Range of H₂O Temperature: Surface 24-25°C Below Mid-Depth 24-25°C

Condition of all screening apparatus: Lander screen is still in working order

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.):

Clay samples continue to be large in quantity.

All loads still have clay clogging of the lander screen.

Other samples include trash, spider crabs, bryozoan, whelks, whelk egg cases and catfish.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
No sightings			

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Atchafalaya* - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 10 / 18 / 95 Loads: 364-389

Area(s) Worked: Stations 128+00-150+00-

Weather Conditions: Sky variable, Winds E 10-20 knots, Seas 3-6

Range of H₂O Temperature: Surface 25°C Below Mid-Depth 25°C

Condition of all screening apparatus: Lander screen is still in working order.

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

Comments (type of material being dredged, biological specimens, etc.):

Halfway between the cut and dump site a Caretta caretta at 0935. The loggerhead was adult in size. The sighting was at 28-53'-23" N, 95-15'-27" W. Samples continue to be mostly clay with clay overflow on all the loads.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Cc	1	1	Loggerhead sea turtle.
Tt		2	Bottlenose Dolphins

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Atchafalaya* - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 10 / 19 / 95 Loads: 390-411
Area(s) Worked: Stations 128+00-150+00-180+00-160+00-130+00-110+00-80+00
Weather Conditions: Partly cloudy and clear, Winds variable 10 knots to light ai
Range of H2O Temperature: Surface 25°C Below Mid-Depth 25°C Seas 2-5
Condition of all screening apparatus: Lander screen still holding up.

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

Comments (type of material being dredged, biological specimens, etc.):
Dredge moved to a new area today stations 110+00-80+00. No clay was dug up in this area and inflow system working fine. Debris was very light with samples mainly consisting of trash and bryozoan. Other areas are still sampling large quantities of clay with clay overflow.

Bridge Watch Summary

Table with 4 columns: Species, # of Sightings, # of Animals, Comments. Row 1: Tt, 6, Bottlenose Dolphins.

Eric Westerman, Peter Westerman

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Atchafalaya* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 10 / 20 / 95 Loads: 412-422

Area(s) Worked: Stations 150+00-180+00

Weather Conditions: Partly cloudy, Winds calm to NE 40 knots, Seas 2-4

Range of H₂O Temperature: Surface 25°C Below Mid-Depth 25°C

Condition of all screening apparatus: Lander screen became undone at the bottom. Observers repaired screen by adding some new screen. After another load another section of the screen came apart. Dredge stopped digging due to weather and new screen will be welded in.

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

Comments (type of material being dredged, biological specimens, etc.):

Material digging today is mud and clay. Samples are mainly large quantities of clay. The lander screen was repaired today. But the screen kept giving out in other areas. Right when this was happen a front came through so the dredge had to stop digging and go into port. The new lander screen will be put in today while the dredge is at the dock.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tt</u>	<u> </u>	<u>4</u>	<u>Bottlenose Dolphins</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
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Eric Westerman, Peter Westerman

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Atchafalaya - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 10 / 21 / 95 Loads: 423-443

Area(s) Worked: Stations 130+00-180+00

Weather Conditions: Clear, Winds SE 15-25 knots, Seas 1-7

Range of H₂O Temperature: Surface 25°C Below Mid-Depth 25°C

Condition of all screening apparatus: New lander screen working great.

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

Comments (type of material being dredged, biological specimens, etc.):

Weather improves and dredge commences digging again. Dredge is digging clean up in stations 180+00-130+00. Material digging is mud and clay.

The new lander screen is in place and ready to try. This screen is six and half feet wide and four and a quarter feet high. The openings are 4"x4". The material used is a sturdy rebar. The screen is tilted slightly back towards the lander.

The screen has hinges on it and is able to be opened. This screen was specifically designed to deal with large samples of clay. After the observers inspects the lander a chain is unhooked and the lander can be flushed out. The lander is flushed out by the skin valve. The system has worked out great today. This is a well thought out system that is working very well. Samples are larger in quantity. This is also a safer procedure for the observer. This system will also be very low maintenance.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
No sightings			

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Atchafalaya* - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

WEEKLY SUMMARY

Dates: 10 / 15 / 95 - 10 / 21 / 95 Loads: 301-443

Range of H2O Temperature: Surface 24-25°C Below Mid-Depth 24-25°C

Area(s) Worked: Stations 130+00-180+00-150+00-128+00-160+00-110+00-80+00 127+00-158+00

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

Comments: No turtles were sampled this week and one turtle was sighted this week. On the 18th at 0935 and adult loggerhead sea turtle was sighted between the disposal site and cut area. The turtle was sighted at latitude 28-53'-23" N, and longitude 95-15'-27" W.

The lander screen was replaced this week. This new screen was designed to deal with the large clay samples.

The screen is able to open up. This allows large amounts of clay to be flushed out after observers have inspected the lander samples. This is flushed out by the skin valve or through the water in the hopper. This is a well thought out system that is working very good. Samples have increased in quantity due to a larger screened area. The screen is larger than the last one and is placed farther down on the lander.

Clay overflow still happens with this new screen, but any screen would have clay overflow or clogging of the pipe when digging in a area with this much clay.

Material digging this week has been mud and clay.

Samples this week have mainly consisted of clay, trash, bryozoan, spider crabs, catfish, whelks, wood and mud worms.

Bridge Watch Summary

Table with 4 columns: Species, # of Sightings, # of Animals, Comments. Rows include Tt (6 Bottlenose Dolphins) and Cc (1 Caretta caretta).

Observers On Duty: Eric Westerman, Peter Westerman

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *Atchafalaya* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 10 / 22 / 95 Loads: 444-459
Area(s) Worked: Stations 130+00-180+00
Weather Conditions: Clear and partly cloudy, Winds S_SE 20-25 knots, Seas 4-7
Range of H₂O Temperature: Surface 23-24°C Below Mid-Depth 23-24°C
Condition of all screening apparatus: Intact and in good working order.

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.):
Samples remain almost all clay with clay overflow
on all the loads. New screen is working fine. In fact lander
samples have increased in quantity.
Due to bad weather dredge goes into port after dumping
load 459 at 1700.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tt</u>	<u></u>	<u>6</u>	<u>Bottlenose Dolphins</u>
<u></u>	<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>	<u></u>

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Atchafalaya* - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 10 / 23 / 95 Loads: 460-466

Area(s) Worked: Stations 130+00-180+00

Weather Conditions: Clear, Winds SE 10-20 knots, Seas 3'+7'

Range of H₂O Temperature: Surface 25°C Below Mid-Depth 25°C

Condition of all screening apparatus: Intact and working fine.

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

Comments (type of material being dredged, biological specimens, etc.):

Dredging commence again at 1630. Clay samples remain

large in quantity with clay overflow on all the loads.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>No sightings</u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *Atchafalaya* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 10 / 24 / 95 Loads: 467-473
Area(s) Worked: Stations 130+180+00
Weather Conditions: Clear and partly cloudy, Winds N 10-30 knots, Seas 4'-7'
Range of H₂O Temperature: Surface 25°C Below Mid-Depth 25°C
Condition of all screening apparatus: Some improvements made to lander screen.
A new handle was welded on the cage door. New screens welded
into the corners of the lander screen.

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.):
Samples remain mostly clay with clay overflow
on all the loads. Due to bad weather ships goes to anchor
after dumping load 473. Due to high seas and winds the
ships anchor is dragging. So dredge goes into port until
weather improves. Dredging resumes at 2143.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tt</u>	<u></u>	<u>2</u>	<u>Bottlenose Dolphins</u>
<u></u>	<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>	<u></u>

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *Atchafalaya* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 10 / 25 / 95 Loads: 478-509

Area(s) Worked: Stations 128+00-150+00

Weather Conditions: Clear and cloudy, Winds N-NE 5-15 knots, Seas 2'-5'

Range of H₂O Temperature: Surface 23-24°C Below Mid-Depth 23-24°C

Condition of all screening apparatus: New chain and latch system put in place
for the lander screen door.

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.):

Dredge is still doing clean up work. Material
digging is mud and clay. Clay samples are still large
in quantity with clay overflow of the screen. At times
material digging is so condense with clay that material
backs into the pipe and out the top of the hatch doors
for the aft and fore discharge doors.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tt</u>	<u></u>	<u>5</u>	<u>Bottlenose Dolphins</u>
<u></u>	<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>	<u></u>

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *Atchafalaya* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 10 / 26 / 95 Loads: 510-542
Area(s) Worked: Stations 130-180-128-150-120-80
Weather Conditions: Sky variable, Winds variable 5-10 knots, Seas 2'-5'
Range of H₂O Temperature: Surface 23⁰C Below Mid-Depth 23⁰C
Condition of all screening apparatus: Intact and working fine.

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

Comments (type of material being dredged, biological specimens, etc.):
Dredge started to dig in a new area today. Stations
110-80 material digging has been mud with no clay. Biological
samples remain small in this area. Samples are mostly trash,
spider crabs, whelks, bryozoan, wood and whelk egg cases.
Clean up samples in the other stations mostly remain clay
with clay overflow in all the loads.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
No sightings			

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge *Atchafalaya* - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 10 / 27 / 95 Loads: 543-568

Area(s) Worked: Stations 80-140-128-120

Weather Conditions: Partly cloudy and clear, Winds S-SE 5-20 knots, Seas 3-6

Range of H₂O Temperature: Surface 23°C Below Mid-Depth 23°C

Condition of all screening apparatus: Intact and working fine.

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

Comments (type of material being dredged, biological specimens, etc.):

Material digging in stations 80-100 is mud and material digging in stations 110-140 is mud and clay. Clay samples are still large in quantity in stations 120-140 in clean up area. Samples remain small in the new area and mainly consist of trash.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
No sightings			

Eric Westerman, Peter Westerman

Observer(s) On Duty:

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge *Atchafalaya* - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 10 / 28 / 95 Loads: 567-579

Area(s) Worked: Sta 80-140-120

Weather Conditions: Partly cloudy and clear, Winds NE 20-30 knots, Seas 5'-8

Range of H₂O Temperature: Surface 23°C Below Mid-Depth 23°C

Condition of all screening apparatus: Intact and working fine.

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

Comments (type of material being dredged, biological specimens, etc.):

Material digging is mud and clay. Samples remain

mainly clay in stations 120-140 and trash in stations 80-120.

Due to bad weather dredge goes into port after dumping load

579 at 0847.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
No sightings			

Eric Westerman, Peter Westerman

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *Atchafalaya* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 10 / 30 / 95 Loads: NA

Area(s) Worked: NA

Weather Conditions: _____

Range of H₂O Temperature: Surface _____ Below Mid-Depth _____

Condition of all screening apparatus: _____

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

Comments (type of material being dredged, biological specimens, etc.): _____

Dredge in port due to bad weather. Observers aboard

dredge waiting for weather to break.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Eric Westerman, Peter Westerman

Observer(s) On Duty: _____

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *Atchafalaya* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 10 / 31 / 95 Loads: 0581-587
Area(s) Worked: Stations 120+00-80+00
Weather Conditions: Overcast, Winds E-NE 5-20 knots, Seas 3'-6'
Range of H₂O Temperature: Surface 22°C Below Mid-Depth 22°C
Condition of all screening apparatus: Intact and working fine.

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.):
Weather clears up and dredge commence digging
again at 1058. Dredge is digging in section two, the new
area. Material digging is mud. Samples are very small in
quantity for now. Samples are mainly trash, wood, spider
crabs and whelks. There is no clogging of the screening
in this area yet.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tt</u>	<u></u>	<u>2</u>	<u>Bottlenose Dolphins</u>
<u></u>	<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>	<u></u>

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge *Atchafalaya* - Freeport, TX
 Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11 / 01 / 95 Loads: 588-613
 Area(s) Worked: Stations 128+00-138+00-120+00-80-00
 Weather Conditions: Cloudy, Winds SE 5-10 knots, Seas 3'-5'
 Range of H₂O Temperature: Surface 22°C Below Mid-Depth 22°C
 Condition of all screening apparatus: Intact and working fine.

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.):
Clean up continues in stations 128-138. Digging
up large quantities of clay. Overflow of the lander
continues in the clean up area. Clay quantities are so
large that material flows out of the fore and mid discharge
hatches at times. When dredge moved to the new area stations
120-80 top material digging is mud. Samples are small in this
area mainly consisting of trash. There is no overflow of the
screens in this area.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tt</u>		<u>4</u>	<u>Bottlenose Dolphins</u>

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *Atchafalaya* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 10 / 02 / 95 Loads: 614-643
Area(s) Worked: Stations 128+00-138+00-120+00-80+00
Weather Conditions: Fog, rain, cloudy, Winds calm to 15 knots, Seas 2'-4'
Range of H₂O Temperature: Surface 22°C Below Mid-Depth 22°C
Condition of all screening apparatus: Intact and working fine.

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.):
Clay quantities continue large in clean up staions.
Have started to pick up small quantities of clay in the
new area 120-80. Quantities have been small and have not
clogged the screen yet. But as the top layer of mud is
dug out clay quantities should increase. Other samples
include trash, whelks, mud worms and spider crabs. Lander
screen door system still working very good.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tt</u>	<u></u>	<u>4</u>	<u>Bottlenose Dolphins</u>
<u></u>	<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>	<u></u>

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Atchafalaya - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11 103 195 Loads: 643-668
Area(s) Worked: SITATIONS 120+00 - 80+00
Weather Conditions: OVERCAST WINDS N NE 20-40 KNOTS, SEAS 4-8'
Range of H₂O Temperature: Surface 20^{OC} Below Mid-Depth 20^{OC}
Condition of all screening apparatus: INTACT AND WORKING FINE

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.):
KIM POWELL CAME ONBOARD TO REPLACE PETE WESTERMAN AND
CRAIG CRUMBLY WILL COME ONBOARD IN THE MORNING TO REPLACE
ERIC WESTERMAN. THE OBSERVER WAS THOROUGHLY UPDATED BY
CREW ON BOAT SAFETY AND PROCEDURES.

BIOLOGICAL SAMPLING TODAY INCLUDED SEAGRASS SPIDER CRABS,
MOON SNAILS, WHELKS, EELS. EACH LOAD CONTAINED SOME CLAY
AND TRASH.

THE CAPTAIN DECIDED TO TERMINATE DREDGING AND HEAD INTO PORT
AT 2134 DUE TO INTENSIFYING SEA CONDITIONS. OBSERVER AND
CREW ARE STANDING BY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: _____

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Atchafalaya - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11 14 195 Loads: NA
Area(s) Worked: NA
Weather Conditions: NA
Range of H₂O Temperature: Surface _____ Below Mid-Depth _____
Condition of all screening apparatus: _____

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

Comments (type of material being dredged, biological specimens, etc.): _____

DREDGE IS IN PORT DUE TO INCLEMENT WEATHER. OBSERVERS
ARE STATIONED ABOARD DREDGE WAITING FOR WEATHER
CONDITIONS TO IMPROVE.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: _____

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Archafalaya - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

WEEKLY SUMMARY

Dates: 10 129 195 - 11 104 195 Loads: 0581 - 0668
Range of H₂O Temperature: Surface 20^oC - 22^oC Below Mid-Depth 20^oC - 22^oC
Area(s) Worked: 128+00-138+00 - 120+00-80+00

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

Comments: NO TURTLES WERE SIGHTED OR SAMPLED THIS WEEK.
DUE TO INCREMENT WEATHER, THE DREDGE SPENT APPROXIMATELY
1/2 OF THIS WEEK (3.5 DAYS) IN PORT. OBSERVERS WERE
STATIONED ABOARD DREDGE WAITING FOR THE WEATHER TO BREAK.
KIM POWELL AND CRAIG CRUMBLY CAME ON BOARD AS OBSERVERS
TO REPLACE ERIC WESTERMAN AND PETER WESTERMAN ON 11/03/95.

BIOLOGICAL SAMPLES THIS WEEK HAVE BEEN SMALL IN QUANTITY.
SAMPLES INCLUDE SPIDER CRABS, MOON SNAILS, EELS, WHELKS, MUD
WORMS AND SEAWEED. SMALL AMOUNTS OF TRASH ARE DUG DURING
EACH LOAD. THE LANDER SCREENS REMAIN UNCLOGGED DURING
PROCESS. SUBSTRATE IN THESE STATIONS CONSIST OF PRIMARILY
CLAY. LANDER SCREEN DOOR SYSTEM CONTINUES TO WORK EFFECTIVELY

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TE</u>	<u> </u>	<u>10</u>	<u>BOTTLENOSE DOLPHINS</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

Observers On Duty: KIM POWELL; CRAIG CRUMBLY

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Atchafalaya* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11 105 195 Loads: NA

Area(s) Worked: NA

Weather Conditions: NA

Range of H₂O Temperature: Surface _____ Below Mid-Depth _____

Condition of all screening apparatus: _____

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

Comments (type of material being dredged, biological specimens, etc.): _____

DREDGE IS IN PORT DUE TO INCLEMENT WEATHER. OBSERVERS
ARE STATIONED ABOARD DREDGE WAITING FOR WEATHER
CONDITIONS TO IMPROVE

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: _____

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Atchafalaya - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11 10 195 Loads: 669 -692

Area(s) Worked: 80+100 - 128+00, 120-80

Weather Conditions: CLOUDY SKYS WINDS VARIABLE NE, N, S, SE CALM-15 KNOTS SEAS 1'-6'

Range of H2O Temperature: Surface 71°C Below Mid-Depth 71°C

Condition of all screening apparatus: INTACT + WORKING FINE

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.):

WEATHER IMPROVES AT 0500 AND DIGGING COMMENCES. SUBSTRATE CONSIST MOSTLY OF CLAY IN SMALL QUANTITIES. BIOLOGICAL SAMPLES INCLUDE SPIDER CRABS, WHELKS, MOON SNAILS, MUD WORM. WHELK EGG CASE, SMALL AMOUNTS OF TRASH ARE COLLECTED EACH DIG AND REMOVED FROM LANDERS BY OBSERVERS.

Bridge Watch Summary

Table with 4 columns: Species, # of Sightings, # of Animals, Comments

Observer(s) On Duty: KIM POWELL + CRAIG CRUMBLE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Atchafalaya - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11 / 07 / 95 Loads: 692-724

Area(s) Worked: -80+00 128+00

Weather Conditions: PARTLY CLOUDY TO CLEAR SKYS, VARIABLE WINDS SSE TO NNW 5-24 KNOTS

Range of H2O Temperature: Surface 73°F Below Mid-Depth 73°F

Condition of all screening apparatus: ALL IN GOOD WORKING ORDER

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

Comments (type of material being dredged, biological specimens, etc.):

CLAY SAMPLES HAVE BEEN VARIABLE TODAY WITH SOME LOADS TAKING IN LARGE AMOUNTS OF CLAY AND OTHER LOADS TAKING IN RELATIVELY LITTLE. LANDERS ARE FLUSHED WHEN NEEDED IN ROUTE TO THE DUMP SITE AFTER INSPECTED BY OBSERVERS.

BIOLOGICAL SAMPLES INCLUDE BRYOZOANS, WHELKS, BLUE CRABS, MUD CRABS, SPIDER CRABS.

Bridge Watch Summary

Table with 4 columns: Species, # of Sightings, # of Animals, Comments. The table is currently empty.

Observer(s) On Duty: KIM POWELL + CRAIG CRUMBLY

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Atchafalaya - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11 / 08 / 95 Loads: 725-738

Area(s) Worked: -80+00 - 128+00 - 130+00

Weather Conditions: CLEAR SKYS, NNW WINDS SHIFTING TO NE WINDS 15-30 KNOTS

Range of H2O Temperature: Surface 71°F Below Mid-Depth 71°F

Condition of all screening apparatus: ALL EQUIPMENT IN WORKING ORDER

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

Comments (type of material being dredged, biological specimens, etc.):

DUE TO INTENSIFYING SEAS, THE DREDGE ATCHAFALAYA WENT INTO PORT TODAY AT 0840 AND RESUMED OPERATION AT 2143. CLAY DEPOSITS ACCUMULATE IN LANDER AND REQUIRE THEM TO BE FLUSHED EN ROUTE TO THE DUMP SITE ON A FAIRLY REGULAR BASIS. THERE WAS VERY LITTLE CLAY ACCUMULATION AFTER OPERATION RESUMED THIS EVENING.

BIOLOGICAL SAMPLES INCLUDE SPIDER CRINIDS, BRYOZOANS AND WITELK EGG CASES, AND PEN SHELL.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
2	16		BOTTLENOSE DOLPHINS

Observer(s) On Duty: KIM POWELL + CRAIG CRUMBSLY

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Atchafalaya - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11 109 195 Loads: 739-764

Area(s) Worked: 80+00 - 128+00 - 130+00

Weather Conditions: MOSTLY CLEAR SKYS, WINDS MOSTLY SE 18-26 KNOTS, SEAS 3-6'

Range of H2O Temperature: Surface 73°F Below Mid-Depth 73°F

Condition of all screening apparatus: ALL EQUIPMENT IN WORKING ORDER

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

Comments (type of material being dredged, biological specimens, etc.):

MATERIAL DUG CONTINUES TO BE MOSTLY CLAY BUT IN RELATIVELY SMALL QUANTITIES. EQUIPMENT CONTINUES TO WORK WITHOUT ANY APPARENT PROBLEMS.

BIOLOGICAL SAMPLES INCLUDE BRYOZOANS AND SPIDER CRABS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TE	2	2	BOTTLENOSE DOLPHINS

Observer(s) On Duty: KIM POWELL + CRAIG CRENSBY

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Atchafalaya - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11 110 195 Loads: 765-790

Area(s) Worked: 28+00 - 130+00

Weather Conditions: CLEAR SKYS TURNING INTO CLOUDY, SE-SW WINDS 10-28 KNOTS, SEAS 3-6

Range of H₂O Temperature: Surface 74°F Below Mid-Depth 74°F

Condition of all screening apparatus: ALL EQUIPMENT IN WORKING ORDER

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

Comments (type of material being dredged, biological specimens, etc.):

SUBSTRATE DUG CONTAINS TO BE COMPOSED OF MOSTLY CLAY AND MUD ALTHOUGH MATERIAL REMAINING IN SCREEN IS RELATIVELY LOW. BIOLOGICAL SAMPLES INCLUDE SPIDER CRABS, GORGONIANS, AND BRYOZOANS.

OBSERVERS PERIODICALLY CHECK PORT OVERBOARD ALTHOUGH IT IS RARELY IN USE BY DREDGING OPERATION.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TE</u>	<u> </u>	<u>5</u>	<u>BOTTLENOSE DOLPHINS</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

Observer(s) On Duty: KIM POWELL + CRAIG CRUMBSLY

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Atchafalaya - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11 11 195 Loads: 791-803

Area(s) Worked: 80+00 - 130+00

Weather Conditions: CLOUDY TO CLEAR CONDITIONS 15 KNOTS SW WINDS SHIFTING TO NE TO 40 KNOTS

Range of H2O Temperature: Surface 68°F Below Mid-Depth 68°F SEA: 3-9'

Condition of all screening apparatus: ALL EQUIPMENT IN WORKING ORDER

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

Comments (type of material being dredged, biological specimens, etc.):

DUE TO INTENSIFYING SEA CONDITIONS, THE DREDGE STOPPED OPERATION AT 1845 AND WENT INTO PORT. DIGGING RESUMED AT 1859. MATERIALS DUG CONTINUE TO BE MOSTLY CLAY AND MUD. BIOLOGICAL SAMPLES TODAY INCLUDED WHELKS AND SPIDER CRABS

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TR		2	BOTTLENOSE DELPHINUS

Observer(s) On Duty: KIM POWELL & CRAIG CRUMBLEY

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Atchafalaya - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

WEEKLY SUMMARY

Dates: 11 105 195 - 11 11 195 Loads: 669-803

Range of H2O Temperature: Surface 68°F - 74°F Below Mid-Depth

Area(s) Worked: -80+00 -128+00 -130+00

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

Comments: NO TURTLES WERE SAMPLED OR SIGHTED THIS WEEK. DUE TO INCLEMENT WEATHER, THE DREDGE WAS IN PORT ON: 11/05/95 (ALL DAY); 11/08/95 FROM 0840 TO 2143; AND 11/11/95 FROM 0845-1859.

THE SCREENING SYSTEM IS INTACT AND WORKING FINE. NO EQUIPMENT PROBLEMS TO REPORT.

THE MATERIAL THAT IS DREDGED IN STATION 80+00 - 130+00 CONSISTS MOSTLY OF CLAY AND MUD WITH COPIOUS AMOUNTS OF CLAY REMAINING IN LAUNDER AFTER MANY LOADS. WHEN CLAY ACCUMULATES, MATERIALS ARE FLUSHED WITH WATER LEAVING THE SCREENS FREE OF CLAY. THE PORT OVERBOARD SCREEN HAS BEEN RARELY USED THIS WEEK ALTHOUGH IS CHECKED BY OBSERVERS PERIODICLY.

BIOLOGICAL SAMPLES INCLUDE: SPIDER CRABS, BRYOZOANS, WHELKS, MOON SNAILS, GORGONIANS, PEN SHELLS, MUD CRABS, BLUE CRABS, MUD WORMS, AND WHELK EGG CASES

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TE	11	11	BOTTLENOSE DOLPHINS

Observers On Duty: KIM POWELL + CRAIG CRUMBLY

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Atchafalaya - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11 1 12 195 Loads: 804-836

Area(s) Worked: 80+00 - 130+00

Weather Conditions: CLEAR SKYS NNE WINDS SHIFTING TO SW WINDS (5-26 KNOTS) SEAS 2-4

Range of H₂O Temperature: Surface 73 F Below Mid-Depth 68 F

Condition of all screening apparatus: THE SYSTEM WHICH IS UNHOOKED TO OPEN THE LANDER DOOR BROKE AND WAS REPAIRED BY CREW

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.):

MATERIALS ACCUMULATING IN THE LANDER CONSISTED OF RELATIVELY SMALL AMOUNTS OF CLAY. LANDER REQUIRED ONLY OCCASIONAL FLUSHING TODAY TO REMOVE CLAY MATERIAL. NEW SYSTEM TO UNHOOK LANDER DOOR HAS BEEN INSTALLED AND WORKS VERY EFFECTUALLY. BIOLOGICAL SAMPLES INCLUDE CLAY, FLOUNDER, SPIDER CRABS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: KIM POWELL & CLAYTON GROOMING

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Atchafalaya - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11 / 13 / 95 Loads: 836 - 870

Area(s) Worked: 80+00 - 130+00

Weather Conditions: CLEAR SKYS, S, SW WINDS 10-22 SHIFTING TO NE TO 35 KNOTS 5-4' 2-4'

Range of H₂O Temperature: Surface 72°F Below Mid-Depth 72°F

Condition of all screening apparatus: ALL EQUIPMENT IN WORKING ORDER

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

Comments (type of material being dredged, biological specimens, etc.): _____

EQUIPMENT USED TO SCREEN MATERIALS CONTINUES TO FUNCTION PROPERLY. SAMPLES CONTINUE TO BE A MIXTURE OF CLAY AND MUD. BIOLOGICAL SAMPLES INCLUDE: SPIDER CLIFFS, BRYOZOANS, GORSELIANS, CATFISH AND MUDWORMS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: KIM POWELL + CRAIG CRUMBLY

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Atchafalaya - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11 / 14 / 95 Loads: 870 - 896

Area(s) Worked: 80+00 - 130+00

Weather Conditions: CLEAR SKYS, MOSTLY N NE WINDS 12-30 KNOTS, SEAS 2-4'

Range of H2O Temperature: Surface 72°F Below Mid-Depth 72°F

Condition of all screening apparatus: ALL EQUIPMENT IN WORKING ORDER

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

Comments (type of material being dredged, biological specimens, etc.):

DREDGE IS NOW MAKING TWO CUTS PER LOAD WITH MATERIALS CONSISTING MOSTLY OF CLAY. MATERIALS REMAINING IN LANDER ARE RELATIVELY LOW WITH OCCASSIONAL HEAVY LOADS THAT REQUIRE FLUSHING. BIOLOGICAL SAMPLES INCLUDE: SPIDER CRABS, AND BRYOZOANS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: KIM POWELL + CRAIG CRUMBSLY

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Atchafalaya - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11 115 195 Loads: 898-926

Area(s) Worked: 80+00 -130+00

Weather Conditions: CLEAR SKY, LIGHT WINDS VARIABLE 0-15 KNOTS

Range of H₂O Temperature: Surface 72°F Below Mid-Depth 72°F

Condition of all screening apparatus: ALL EQUIPMENT IN WORKING ORDER

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.):

SUBSTRATE DUG CONSISTED MOSTLY OF CLAY WITH MOST LOADS LEAVING SMALL SAMPLES OF CLAY REMAINING IN LANDER. OCCASS LOADS WERE HEAVY WITH CLAY REQUIRING THE SYSTEM TO BE FLUSHED.

BIOLOGICAL SAMPLES WERE RATHER INSIGNIFICANT WITH ONLY OCCASSIONAL BRYOZOANS AND SPIDER CRABS TAKEN.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>RED DRUM</u>	<u>1</u>	<u>1</u>	<u>FLOATING ON SURFACE</u>

Observer(s) On Duty: KIM POWELL & CRAIG CRUMBLY

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Atchafalaya - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11 16 195 Loads: 927-949

Area(s) Worked: 90+00 - 130+00

Weather Conditions: CLEAR, WEST WINDS SHIFTING TO N, NE 5-24 KNOTS, SEAS 1-3'

Range of H₂O Temperature: Surface 72°F Below Mid-Depth 72°F

Condition of all screening apparatus: ALL EQUIPMENT IN WORKING ORDER

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

Comments (type of material being dredged, biological specimens, etc.):

CLAY WAS THE SUBSTRATE DUG LEAVING VARIOUS AMOUNTS OF MATERIAL REMAINING IN LANDER. BIOLOGICAL SAMPLES INCLUDED: SAND SHARK, MUD WORMS, WHELKS, MUD CRABS, SPIDER CRABS, GORGONIANS. THE LEVEL CURRENTLY BEING DUG CONTAINS COPIOUS AMOUNTS OF TRASH THAT MUST BE MANUALLY REMOVED FROM SCREENING APPARATUS. DREDGE HAS BEEN DIGGING 2-4 CUTS MUSTOE TODAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Atchafalaya* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11 / 17 / 95

Loads: 950 - 962

Area(s) Worked: 80+00 to 130+00

Weather Conditions: Rain squalls, thundershowers, E winds 0 - 20 kts

Range of Water Temperature: Surface 72 Below Mid-Depth: 72

Are there incidents involving endangered or protected species? **No**

Comments:

Kim Powell replaced by Doug Kinzey after load 953. Chris Mason on after load 964. Material is clay and mud, generally only a few clayballs remaining in lander outflow after dredging. Lander outflow usually less than 30% full, only requires flushing for about half of the loads.

Plastic trash, monofilament fishing line, nylon nets, other garbage form the bulk of material retained. Biological material is light. Algae, a few whelks, bryozoans, spider crabs.

During Load 955, drege entered jetties for grocery pickup from Bayou Blue. Due to deteriorating weather conditions the observations for Load 962 had to be made from the bridge with binoculars. After dumping 962, *Atchafalaya* tied up at the dock to wait out the weather.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<i>T. truncatus</i>	1	2	inside jetties 08:25
<i>T. truncatus</i>	1	2	in channel 13:19

Observer(s) On Duty: K. Powell, D. Kinzey, C. Mason

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Atchafalaya* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11 / 18 / 95

Loads: 963 - 966

Area(s) Worked: 80+00 to 130+00

Weather Conditions: Overcast, ceiling rising late today, NW-NE winds 20 kts

Range of Water Temperature: Surface 72 Below Mid-Depth: 72

Condition of all screening apparatus: OK, no problems

Are there incidents involving endangered or protected species? **No**

Comments:

Atchafalaya departs dock at 11:45, begins dredging 12:44. Heavy seas, operations nearly canceled at 17:00 but winds dropped and seas calmed somewhat so dredging continued.

100% of trash, fishing line, etc. was removed from fore, mid, and aft screens in morning before resuming operations but had heavy accumulation again by first dump run. Removing all material from screens we have time for, generally 80-90% removed each load.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<i>T. truncatus</i>	7	12 - 15	near mouth of jetties, in channel, and enroute to dump

Observer(s) On Duty: C. Mason, D. Kinzey

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Atchafalaya* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

WEEKLY SUMMARY

Dates: 11/12/95 - 11/18/95

Loads: 804-966

Range of Water Temperature: Surface 73

Below Mid-Depth: 68 - 73

Area(s) Worked: 80+00 to 130+00

Are there incidents involving endangered or protected species? No

Comments:

All screening in good working order. Two to four cuts per day yielded small to heavy amounts of clay, occasionally requiring flushing. The pelican hook system used to open the lander door was broken and lost once, but was repaired.

Biological material consists largely of spider crabs, several flounders, bryozoans, gorgonians, mudworms, and catfish. Large amounts of trash, nylon net material, monofilament line, plastic bags, etc. are obtained every load.

C. Mason and D. Kinzey replaced K. Powell and C. Crumbley on the 17th.

Bad weather on the early morning (00:30) of the 18th required the dredge to tie up to the dock until 12:45. Observers remained aboard.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<i>T. truncatus</i>	9	17 - 19	throughout work area, probably 5-6 total dolphins

Observers On Duty: K. Powell, C. Crumbly, C. Mason, D. Kinzey

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Atchafalaya - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11 / 19 /95

Loads: 966 - 973

Area(s) Worked: 80+00 to 130+00

Weather Conditions: partly cloudy, decreasing NE winds 5-20 kts, seas 2-3'

Range of Water Temperature: Surface 72 Below Mid-Depth 70

Condition of all screening apparatus: 9" hole in bottom of lander outflow should be rescreened

Are there incidents involving endangered or protected species? **No**

Comments:

Atchafalaya leaves job after load 973.

Material retained by screens is mainly plastic garbage and fishing gear (monofilament and nylon webbing) with light amount of clayballs. Biological material on screens is also light, mainly algae and spider crabs.

Screening over one of the openings on the bottom of the lander mouth came off last night, leaving about 9" diameter gap. This should be replaced before doing another job in turtle habitat. Otherwise, screening is very good shape.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<i>T. truncatus</i>	5	7	mainly around #4 bouy

Observer(s) On Duty: C. Mason, D. Kinzey

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *Atchafalaya* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11 / 19 /95

Loads: 966 - 973

Area(s) Worked: 80+00 to 130+00

Weather Conditions: partly cloudy, decreasing NE winds 5-20 kts, seas 2-3'

Range of Water Temperature: Surface 72 Below Mid-Depth 70

Condition of all screening apparatus: 9" hole in bottom of lander outflow should be rescreened

Are there incidents involving endangered or protected species? No

Comments:

Atchafalaya leaves job after load 973.

Material retained by screens is mainly plastic garbage and fishing gear (monofilament and nylon webbing) with light amount of clayballs. Biological material on screens is also light, mainly algae and spider crabs.

Screening over one of the openings on the bottom of the lander mouth came off last night, leaving about 9" diameter gap. This should be replaced before doing another job in turtle habitat. Otherwise, screening is very good shape.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<i>T. truncatus</i>	5	7	mainly around #4 bouy

Observer(s) On Duty: C. Mason, D. Kinzey

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *Atchafalaya* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11/20/95

Loads: none

Area(s) Worked: NA

Weather Conditions: NA

Range of H₂O Temperature: Surface NA Below Mid-Depth: NA

Condition of all screening apparatus: NA

Are there incidents involving endangered or protected species? **No**

Comments:

Atchafalaya in port, observers waiting for Dredge *Ouachita* to arrive. -

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
NA			

Observer(s) On Duty: C. Mason, D. Kinzey

ENDANGERED SPECIES OBSERVER PROGRAM
Dredges *Atchafalaya*, *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

WEEKLY SUMMARY

Dates: 11 /19/95 - 11/25/95

Loads: 966 - 973, 1 - 105

Range of Water Temperature: Surface 65 - 74

Below Mid-Depth: 65 - 70

Area(s) Worked: Sections 3, 2 (Stations -130+⁰⁰ to -80+⁰⁰, -80+⁰⁰ to -40+⁰⁰)

Are there incidents involving endangered or protected species? **No**

Comments:

Atchafalaya finished digging on 11/19/95, replaced by *Ouachita* on 11/21/95.

All screening on *Ouachita* in good working order. A portion of the lander fore chute inflow screening came loose on 11/25/95 but was promptly repaired. *Atchafalaya* screening on one approximately 9" diameter hole in bottom of lander chute came off on last day (11/19) and should be replaced before dredging again in turtle habitat.

Material retained by inflow screening is mainly heavy clay, with lesser amounts of plastic trash and other debris. *Ouachita* dragheads are filling with clay, requiring hand-removal with shovels for most loads. Biological material retained by screens - spider crabs, whelks, wood, flounder, hardhead catfish - is less than on *Atchafalaya*, perhaps due to greater water pressure.

New-style turtle deflectors on dragheads seem to be working well, no maintenance required as with the older TEDs.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<i>T. truncatus</i>	1	5	

Observers On Duty: D. Kinzey, C. Mason

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11/21/95

Loads: none

Area(s) Worked: NA

Weather Conditions: NA

Range of H₂O Temperature: Surface NA Below Mid-Depth: NA

Condition of all screening apparatus: Very good. See below

Are there incidents involving endangered or protected species? **No**

Comments:

Ouachita arrives at dock about 13:00. Observers on board about 13:30. All inflows and outflows to and from hopper are well-screened with approximately 4" X 4" iron rebar grid. Three lander discharge chutes - fore, mid, and aft - skimmer, and port and starboard overflows.

Dragheads are equipped with new deflector-style turtle excluder devices, which were installed just prior to this job.

Ouachita will leave to begin dredging about 06:00 tommorrow, observers will stay aboard tonight.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
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Observer(s) On Duty: C. Mason, D. Kinzey

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11/22/95

Loads: 1 - 23

Area(s) Worked: -130 + ⁰⁰ to -80 + ⁰⁰

Weather Conditions: clear to partly cloudy, W to SE winds <10 kts, seas 1-3'

Range of H₂O Temperature: Surface 67-74 Below Mid-Depth: 70

Condition of all screening apparatus: Good.

Are there incidents involving endangered or protected species? **No**

Comments:

Leave dock about 06:30, begin dredging at 07:25.

Material is mud and clay, one cut per load. Load cycles take about 50 minutes. Dragheads are clogging with clay, requiring crew to do some hand-shoveling for more than half of the loads. Lander screens sometimes require hand removal of clayballs and other debris by observers but most of the material is water-flushed through on the way to the dump site. Plastic trash and fishing debris is less abundant in the screens than on the Atchafalaya.

Biological material retained is light - spider crabs, some wood pieces, and one flounder.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
none			

Observer(s) On Duty: C. Mason, D. Kinzey

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11/23/95

Loads: 24 - 54

Area(s) Worked: -130 + ⁰⁰ to -80 + ⁰⁰

Weather Conditions: clear to cloudy, W to NW winds 5 - 20 kts, seas 1-3'

Range of H₂O Temperature: Surface 70 - 72 Below Mid-Depth: 68

Condition of all screening apparatus: Good.

Are there incidents involving endangered or protected species? **No**

Comments:

Material continues to be mud and clay, one cut per load. Load cycles take about 40 minutes. Dragheads continue to fill with clay and require crew to do some hand-shoveling for most loads. Biological material remains light - one hardhead catfish and occasional spider crabs.

Most clay material is water-flushed from screens during and after dumping. Some clayballs remain against mid and aft lander screens after flushing, particularly the mid screen. Due to short cycle times and safety concerns about getting into and out of the lander in the short time available on the way back to the cut, we have been leaving this material in the lander chute after visually inspecting it for turtle parts.

The mid lander chute opening is very narrow, only about a foot wide because an I-beam covers part of it. This is a tight squeeze for an observer to crawl through. A modification of this chute that would make cleaning this screen more manageable would be to increase the size of its opening by cutting back a foot or so of the steel plate covering the top of the chute, widening the opening. The screen might then have to be heightened by a corresponding amount.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
none			

Observer(s) On Duty: C. Mason, D. Kinzey

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11/24/95

Loads: 55 - 81

Area(s) Worked: -130 + 00 to -80 + 00, -80+00 to -40+00

Weather Conditions: clear, N to NNE winds decreasing from 22 to 5 kts, seas 1-3'

Range of H2O Temperature: Surface 70 Below Mid-Depth: 67

Condition of all screening-apparatus: Good.

Are there incidents involving endangered or protected species? **No**

Comments:

Material retained by screens continues to be heavy clay, some plastic trash and fishing gear. Making one cut/load until Load #79, when starboard dredge pump went out and cuts/load were increased to three because dredge was only using one dragarm. Propellor engine problems during the night resulted in dredge only using one prop. These factors combined to increase load cycles to about one and a half hours per load by midnight.

Biological material retained remains very light, one whelk.

Load #79 included one cut in a new inshore section, Section 3, which dredge will move into tomorrow.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
none			

Observer(s) On Duty: C. Mason, D. Kinzey

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11/25/95

Loads: 82 - 105

Area(s) Worked: -130 + 00 to -80 + 00 (Section 3), -80+00 to -40+00(Section 2)

Weather Conditions: Clear, S to SW winds 2 to 8 kts, seas 1'

Range of H2O Temperature: Surface - 65 to 72 Below Mid-Depth - 65 to 68

Condition of all screening apparatus: Good. Screening on forward landing chute was damaged during load #89 but repaired by load #93 (see below)

Are there incidents involving endangered or protected species? **No**

Comments:

Material retained by screens continues to be heavy clay, some plastic trash and fishing gear, and almost no biological (wood, one spider crab). A few cuts made in Section 3 (inshore) were more sandy, but most cuts continue to be in Section 2.

Port dragarm pump and one propellor engine had mechanical problems this morning, slowing cycle time to about 1.5 hours, but both were fixed by Load #88 and cycle times dropped back to about 50 minutes or less.

Screening on forward lander chute was damaged during Load #89. It was bowed outward, opening about a 9" gap along its bottom edge. This was repaired by the crew between loads and was completely fixed by load #93. Both other inflow screens and the two overflow screens were 100% functional during this time.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
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none

Observer(s) On Duty: C. Mason, D. Kinzey

ENDANGERED SPECIES OBSERVER PROGRAM
Dredges *Atchafalaya*, *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

WEEKLY SUMMARY

Dates: 11 /19/95 - 11/25/95

Loads: 966 - 973, 1 - 105

Range of Water Temperature: Surface 65 - 74

Below Mid-Depth: 65 - 70

Area(s) Worked: Sections 3, 2 (Stations -130+⁰⁰ to -80+⁰⁰, -80+⁰⁰ to -40+⁰⁰)

Are there incidents involving endangered or protected species? **No**

Comments:

Atchafalaya finished digging on 11/19/95, replaced by *Ouachita* on 11/21/95.

All screening on *Ouachita* in good working order. A portion of the lander fore chute inflow screening came loose on 11/25/95 but was promptly repaired. *Atchafalaya* screening on one approximately 9" diameter hole in bottom of lander chute came off on last day (11/19) and should be replaced before dredging again in turtle habitat.

Material retained by inflow screening is mainly heavy clay, with lesser amounts of plastic trash and other debris. *Ouachita* dragheads are filling with clay, requiring hand-removal with shovels for most loads. Biological material retained by screens - spider crabs, whelks, wood, flounder, hardhead catfish - is less than on *Atchafalaya*, perhaps due to greater water pressure.

New-style turtle deflectors on dragheads seem to be working well, no maintenance required as with the older TEDs.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<i>T. truncatus</i>	1	5	

Observers On Duty: D. Kinzey, C. Mason

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11/26/95

Loads: 125 - 159

Area(s) Worked: Stations -130+⁰⁰ to -80+⁰⁰ (Section 2)

Weather Conditions: Partly cloudy, SW winds 5 to 20 kts, seas falling from 7' to 2-3'

Range of H₂O Temperature: Surface - 67 to 68 ° F Below Mid-Depth - 66 to 67 ° F

Condition of all screening apparatus: Good.

Are there incidents involving endangered or protected species? No

Comments:

Material is mainly clay with small amounts of plastic trash, nylon fishing gear and chain link. Mid and aft lander chutes are still retaining more clayballs and other material than screening on fore chute. Spider crabs, wood debris, one menhaden and one tripletail, *Lobotes surinamensis*, comprised the biological materials retained.

Swell increased during the day from 1 - 2' to 5 - 7' by midnight.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
none			

Observer(s) On Duty: C. Mason, D. Kinzey

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11/27/95

Loads: 125 - 159

Area(s) Worked: Stations -80+⁰⁰ to -40+⁰⁰ (Section 3)

Weather Conditions: cloudy, winds shifting from SW to N, 5 to 20 kts, seas 2 - 7'

Range of H₂O Temperature: Surface - 67 to 72 ° F Below Mid-Depth - 69 ° F

Condition of all screening apparatus: Good.

Are there incidents involving endangered or protected species? No

Comments:

Dredge moves inshore from Section 2 to Section 3. Much less clay, more mud and sand in new section. Loads 135 -144 were one cut/load, sometimes entering inshore end of Section 2 to get a full load. Beginning with load 145, started making two cuts/load entirely within Section 3. Very little plastic or other debris, occasional fishing net or line.

No biological materials retained by screens.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
none			

Observer(s) On Duty: C. Mason, D. Kinzey

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11/28/95

Loads: 160 - 185

Area(s) Worked: Stations -80+⁰⁰ to -40+⁰⁰ (Section 3)

Weather Conditions: Cloudy, N winds 20 to 30 kts, seas 2 - 4'

Range of H₂O Temperature: Surface - 68 ° F Below Mid-Depth - 67 ° F

Condition of all screening apparatus: Good.

Are there incidents involving endangered or protected species? No

Comments:

Material is very clean, light mud and sand with little clay. Small amounts of plastic trash, nylon fishing gear and metal debris. One spider crab.

Hydraulic problems with port dragarm after Load #175 resulted in it being brought aboard only about every fifth load unless it was clogged with debris. Observers checked it from the deck as it was brought out of the water next to the dredge when it wasn't brought aboard.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
none			

Observer(s) On Duty: C. Mason, D. Kinzey

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11/29/95

Loads: 186 - 205

Area(s) Worked: Stations -80+⁰⁰ to -40+⁰⁰, -130+⁰⁰ to -80+⁰⁰ (Sections 3, 2)

Weather Conditions: Clear, N wind 10 - 20 kts, seas 2 -3'

Range of H₂O Temperature: Surface - 65 ° F Below Mid-Depth - 63 to 65 ° F

Condition of all screening apparatus: Good.

Are there incidents involving endangered or protected species? No

Comments:

Moved from Section 3 (Stations -80+⁰⁰ to -40+⁰⁰) to Section 2 (Stations -130+⁰⁰ to -80+⁰⁰) after Load #194. Section 3 material was very clean, with little clay or trash remaining in dragheads, lander chutes, or overflow baskets after dredging. Wood debris and one whelk were biological materials collected in the nine loads from this section.

Section 2 contained heavier amounts of clay, plastic debris, fishing gear and other trash. Wood pieces and one menhaden were also obtained.

Starboard dragarm winch hydraulics blew out during Load #190 but was fixed by #191.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
none			

Observer(s) On Duty: C. Mason, D. Kinzey

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11/30/95

Loads: 206 - 219

Area(s) Worked: Stations -130+⁰⁰ to -80+⁰⁰ (Section 2)

Weather Conditions: Clear, N wind 5 - 15 kts, seas 1 -2'

Range of H₂O Temperature: Surface - 64 to 65 ° F Below Mid-Depth - 63 ° F

Condition of all screening apparatus: Good.

Are there incidents involving endangered or protected species? No

Comments:

Clay continues to be heavy, often requiring some hand-removal with shovels from dragheads. Plastic trash, fishing gear and other debris is also abundant in dragheads, skimmer, and mid and aft discharge chutes, with lesser amounts in fore chute. Biological material in screening includes hardhead catfish, American eel, and a small ray.

Generally making four cuts/load to get enough material for full load. *Ouachita* heads for dry dock in Galveston after Load #219 is dumped about 22:00. Observers spend two hours cutting and removing all tangled fishing lines, rope, etc. from screening that we weren't able to remove during dredging.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
none			

Observer(s) On Duty: C. Mason, D. Kinzey

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

WEEKLY SUMMARY

Dates: 11 /26/95 - 12/2/95

Loads: 106 - 219

Range of Water Temperature: Surface 64 - 72 ° F

Below Mid-Depth: 63 - 69 ° F

Area(s) Worked: Sections 2, 3 (Stations -130+⁰⁰ to -80+⁰⁰, -80+⁰⁰ to -40+⁰⁰)

Are there incidents involving endangered or protected species? **No**

Comments:

All screening in good working order. Material retained is heavy clay and abundant trash (fishing line, net and other gear, plastic, miscellaneous) in Section 2 (outermost) and much cleaner sand and mud in Section 3. Surface and mid-depth water temperatures have been falling gradually through the week from upper sixties/lower seventies to lower and mid sixties by week's end.

Biological materials retained by screening include wood debris and very low numbers of spider crabs, whelks, menhaden, tripletail, hardhead catfish, American eel, and an unidentified ray.

After Load #219 on 11/30/95 the *Ouachita* left the dredge site for scheduled repairs at a shipyard in Galveston.

No sightings of marine mammals or sea turtles were made from the bridge this week. This may be the result of short load cycles, generally 40 to 50 minutes, which required observers to be off of the bridge for much of the time.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
none			

Observers On Duty: D. Kinzey, C. Mason

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *OUACHITA* - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 12 / 3 / 95 Loads: —

Area(s) Worked: —

Weather Conditions: —

Range of H₂O Temperature: Surface — Below Mid-Depth —

Condition of all screening apparatus: —

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

Comments (type of material being dredged, biological specimens, etc.):

OUACHITA IN PENNSYLVANIA IN TEXAS CITY
FOR REPAIRS TO PROPELLERS (REPLACED),
SHAFTS, AND DREDGE PUMPS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: C. WASSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 12.5.195

Loads: _____

Area(s) Worked: _____

Weather Conditions: _____

Range of H₂O Temperature: Surface _____ Below Mid-Depth _____

Condition of all screening apparatus: _____

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

Comments (type of material being dredged, biological specimens, etc.): _____

OUACHITA ON DRY DOCK IN TEXAS CITY

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 12/10/75

Loads: _____

Area(s) Worked: _____

Weather Conditions: _____

Range of H₂O Temperature: Surface _____ Below Mid-Depth _____

Condition of all screening apparatus: _____

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

Comments (type of material being dredged, biological specimens, etc.): _____

OUACHITA IN DREDGE IN FREEPORT CITY

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: C. W. ASH

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 12 / 7 / 95 Loads: -

Area(s) Worked: -

Weather Conditions: -

Range of H₂O Temperature: Surface _____ Below Mid-Depth _____

Condition of all screening apparatus: _____

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

Comments (type of material being dredged, biological specimens, etc.): _____

- OUACHITA COMES OFF DRYDOCK 1200

- NEW OBSERVER, MEGHAN PIERCY ARRIVES ~ 1400

- OUACHITA MOVES TO FUEL DOCK IN GALVESTON 1800,
BEGINS TO TAKE FUEL ~ 2000.

- MEGHAN GIVEN SHIP ORIENTATION, SAFETY PROCEDURE
INFORMATION, ENTERED LANDERS TO LEARN ROUTINE OF
INSPECTION FOR SEA TURTLES

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: C. MASON M. PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 12, 8, 95 Loads: -

Area(s) Worked: -

Weather Conditions: -

Range of H₂O Temperature: Surface - Below Mid-Depth -

Condition of all screening apparatus: -

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

Comments (type of material being dredged, biological specimens, etc.): -

- OUACHITA DEPARTS FUEL DOCK 0425
ARRIVE @ TEXAS CITY SHIPYARD ~ 0600

- DEPART TEXAS CITY FOR FREEPORT CHANNEL 2230

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>

Observer(s) On Duty: C. MASON, M. PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Ouachita - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 12 / 9 / 95 Loads: 220 - 229
Area(s) Worked: -80+00 -> -130+00
Weather Conditions: 20-30°F 10-15' 9'
Range of H₂O Temperature: Surface 63-66°F Below Mid-Depth _____
Condition of all screening apparatus: EXCELLENT

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

Comments (type of material being dredged, biological specimens, etc.): _____

ARRIVED @ DIGGING AREA @ ~ 0545. PORT DREDGE PUMP LEAKED, WAS WORKED ON AND BROUGHT BACK ON LINE FOR LOAD 222. MID & AFT LANDER COLLECT A GOOD BID OF MUD FLUSHING W/ ONE PUMP SO AFTER DUMP, OBSERVERS HAVE DEAGTENDER FLUSH FOR SEVERAL MINUTES W/ BOTH PUMPS TO BLOW OUT THIS MATERIAL, AND THIS WORKS WELL. WE DO NOT BELIEVE THIS WOULD AFFECT AN ACCURATE INSPECTION OF TURTLE SAMPLING IN LANDERS... BECAUSE WATER IS MOSTLY DISCHARGED THRU REBAR, NOT OVER IT. WE ARE WATCHING MID & AFT LANDERS, JUCING PUMP. DISCHG.
FORE LANDER NO PROBLEM

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<u>TE</u>	<u>2</u>	<u>2-6</u>	<u>IN CHANNEL</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: C. MASON . M. PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

WEEKLY SUMMARY

Dates: 12 / 3 / 195 - 12 / 9 / 195

Loads: 220 - 229

Range of Water Temperature: Surface 63-66 °F

Below Mid-Depth _____

Area(s) Worked: -80+00 → -130+00

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

Comments: OUACHITA IN TEXAS CITY (DRYDOCK) FOR
REPAIRS TO PROPS, SHAFTS, DREDGE PUMPS; COMES
OFF DRYDOCK NOON 12-7. NEW OBSERVER ARRIVES
ONBOARD @ 1400 12-7, ALSO ON 12-7, GUACHITA
FUELS IN GALVESTON 2000 TO 0425 12-8. M. PIERCY
GETS FULL ORIENTATION & SAFETY DRILL ON 12-7.
OUACHITA DEPARTS FOR TEXAS CITY 2230 12-8,
ARRIVES IN FREEPORT CHANNEL 0545 12-9
TO COMMENCE DIGGING. CONTINUING LEAKS IN PORT
DREDGE PUMPS PREVENTED IT FROM BEING BROUGHT ONLINE
UNTIL LOAD 222. BOTH PUMPS FLUSH LANDERS WELL
AND GOOD SAMPLES CAN BE OBTAINED.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<u>TE</u>	<u>2</u>	<u>2-6</u>	<u>IN CHANNEL - Tursoops Truncatus</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observers On Duty: C. MASON, M. PIERCY.

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Ouachita - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 12/10/95

Loads: 230 - 240

Area(s) Worked: -80 to -130 to , -40 to -130 to , -40 to -80 to

Weather Conditions: CLR, WIND GENERALLY NE 10-16 KLT, SEAS 3'-9'

Range of H₂O Temperature: Surface 64° 23.23 Below Mid-Depth _____

Condition of all screening apparatus: EXCELLENT

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

Comments (type of material being dredged, biological specimens, etc.): ROUGH, EARLY MORN. WEATHER HAMPERED SAMPLING LOAD 230, VISUAL INSPECTION OF PORT & STBD OVERFLOWS ONLY W/ BINOCES FROM UPPER DECKS. CREW BEACHES OUCHITA INSIDE JETTIES TO WAIT OUT WEATHER & REPAIR BUBBLER HOSE ON STBD DRAGARM & PORT TRUNION CABLE ^{BEFORE} ~~BEING~~ LOAD 231, DIGGING COMMENCED 0650 AS WIND & SEAS CALMED... PORT OVERFLOW BSKT WAS WOBBLING ON LOAD 235 BUT NO ^{STRUCTURAL} PROBLEMS FOUND, POSSIBLY DUE TO AN UNEVEN DISTRIBUTION OF CLAY INSIDE WITH WATER RUSHING IN. PROBLEM DISAPPEARS AFTER CLAY CLRD OUT.

A LOT OF CLAY IN SAMPLES IN SECT. 2 (-80 to -130 to) USED BOTH PUMPS TO FLUSH MID LANDER ON 236 & 239. NO BIOLOGIES IN SMPLS, JUST CLAY, PLASTICS, WOOD, THE USUAL TRASH, MONOFILAMENT, AND A 4' SECTION OF PVC PIPE. MID LANDER COLLECTS MOST OF CLAY SMPL.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<u>RUBY CROWNED KINGLET</u>	<u>1</u>	<u>2</u>	<u>ON DECK, APPARENTLY WEAK, POSSIBLY ON MIGRATION ROUTE.</u>
<u>PORTUGUESE MANIOWAL</u>	<u>1</u>	<u>1</u>	<u>ON WATER 'SFC.</u>

Observer(s) On Duty: C. MASON, M. PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Ouachita - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 12 / 11 / 95 ; Loads: 241 - 260
Area(s) Worked: -80 to 0 → -130 to 0 (SECT 2) , -80 to 0 → -40 to 0 (SECT 3)
Weather Conditions: CLR → CLOUDY, WIND SE 5-20 KTS SEAS AUG. 3'
Range of H₂O Temperature: Surface 62°F - 64°F Below Mid-Depth _____
Condition of all screening apparatus: EXCELLENT

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

Comments (type of material being dredged, biological specimens, etc.): 1 1/2 TO 2 CUTS IN SECTION 3 FROM MIDN. TO NOON... @ NOON BACK TO SECT. 2 (-80 to 0 → -130 to 0). SECT 3, YIELDS MOSTLY TRASH AND FINE SILT AS MATERIAL, AS IT HAS NOT BEEN WORKED ON AS MUCH AS SECTION 2, THE DEPTH OF WHICH IS GETTING TOWARDS 48-50 FT AND YIELDING MUCH LESS TRASH AND MOSTLY CLAY ON 4 CUTS. CLEANUP OF SECT. 2 ABANDONED FOR SURVEY, MOVED TO SECT 3 ON #256, DOING 2 CUTS, LANDERS FREE OF ANY PROBLEM CLAY, NO FLUSHES NEEDED. STBD PUMP BROKE SOME SHAFT SHEAR PINS ON LOAD 260, REPAIRED BEFORE 261. LOAD 260 RUN ON 1 ARM.

BIOLOGIC SMPLS CONSISTED OF 3 ATLANTIC CUTLASSFISHES (~12"-14" LONG) ON SKIMMER AND AN ATLANTIC MENHADEN FOUND ON DECK. OTHER SMPL. INCLUDES, TRASH, LINE, FISHING NET MATERIAL, AND LOGS. SECT 2 & 3 BOTH YIELD A LOAD IN APPX 1-1 1/2 CUTS, OTHER CUTS TO MAINLY AGITATE MATERIAL FROM CHANNEL.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<u>Northern Gannet</u>	<u>1</u>	<u>3</u>	<u>in flight N→S</u>
<u>Brown Pelican</u>	<u>1</u>	<u>2</u>	<u>in water near Green Buoy #5</u>
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: C. MASON, M. PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 12 / 12 / 95 :

Loads: 261-279

Area(s) Worked: -40+00 → -130+00 (Section 2) -40+00, → -80+00 (Sec. 3), -40+00 → -5+00 (Sec. 4)

Weather Conditions: overcast → clear, wind = 10-12 KSE, seas = 2'-6'

Range of H₂O Temperature: Surface 60°F - 63°F Below Mid-Depth _____

Condition of all screening apparatus: Base of forelander screen beginning to unfold,
all other screens excellent.

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

Comments (type of material being dredged, biological specimens, etc.): _____

The ~~various~~ non-biological materials being dredged consist mainly
of clay, trash, fishing line, fishing nets.
Sections 3 + 4 contained the trash, fishing gear and the
following biological material: Blue Crab-1, Soldier Crabs-2,
Spider Crabs-3, hard headed catfish skull-1, wood (lots), sea grass.
No sightings of turtles or turtle parts were observed.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<u>Bottle Nose Dolphin</u>	<u>1</u>	<u>1</u>	<u>fishing at mouth of jetties</u>
_____	_____	_____	<u>near fishing double crested</u>
_____	_____	_____	<u>cormorants.</u>
_____	_____	_____	_____

Observer(s) On Duty: M. PIERCY, C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 12/13/95 Loads: 280-300
Area(s) Worked: -40+00 → -80+00 (Section 3), -80+00 → -130+00 (Section 2)
Weather Conditions: _____
Range of H₂O Temperature: Surface 61°F - 64°F Below Mid-Depth _____
Condition of all screening apparatus: Excellent

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

Comments (type of material being dredged, biological specimens, etc.): _____

Moved from Section 2 to Section 3 for load #283.
Section 2 contained mostly clay, some fishing line, small amount of trash and 1 Moon Jelly (*Aurelia aurita*).
Section 3 - material retained consisted mostly of clay, trash, fishing line, plastic, nets, wood and ~~1~~ Spider Crabs - 6.

Pump Clutch and starboard shaft packing has been a problem for several days

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<u>Moon Jellyfish</u>	<u>1</u>	<u>3</u>	<u><i>Aurelia aurita</i></u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: M. PIERCY, C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Ouachita - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 12/14/95

Loads: _____

Area(s) Worked: -80+00 → -40+00 (Sec.3) -40+00 → 0 (Sec.4) -130+00 → -80+00 (Sec.2)

Weather Conditions: _____

Range of H₂O Temperature: Surface 62°F - 63°F Below Mid-Depth _____

Condition of all screening apparatus: _____

GOOD - AFT LANDER SCRIN REBAR COMING OUT OF FRAME.

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

Comments (type of material being dredged, biological specimens, etc.): _____

The non-biological materials retained by screens were as follows:

Section 3 - mostly clay, plastics, rope, net, fishing line and trash

Section 4 - trash, netting, fishing line

Section 2 - Mostly clay, trash, netting, fishing line, carpet

The biological materials retained by screens were:

Section 3 - wood, cutlassfish - 2, ~~Blue Crab - 1, Gastropod Eggs - 3 strands,~~
clam spat attached to worm, Moon jellyfish - 1.

Section 4 - Spider Crabs - 4, Blue Crab - 1, Gastropod Eggs - 3 strands,
Ridged Slipper Lobster - 3, Moon Jellyfish - 1, Unidentified
Bothidae - 1, Sea Grass, Harheaded Catfish skull - 5,

Sawtoothed penshell - 4, barnacles, whelks, wood, Gulf Calico Crab - 1

Section 2 - gastropod eggs, sawtoothed penshell, wood

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
Bottlenose Dolphin	1	1	100m N of N Jette. Probably same individual seen here on other occasions.
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: M. PIERCY, C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Ouachita - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 12/15/95 Loads: 320-334
Area(s) Worked: 320-324 (-80ftw → -130ftw) 325-326 (40ftw → 0) 327-328 (-130ftw → -80ftw)
Weather Conditions: CLR → Foggy, WIND 5-16K, SE, SEAS 1-2' 329-330 (-60ftw → 0)
Range of H₂O Temperature: Surface 63°-64° F Below Mid-Depth 331-334 (-60ftw → -2)
Condition of all screening apparatus: AFT LANDER STILL IN NEED OF REPAIR

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

Comments (type of material being dredged, biological specimens, etc.): LOADS 320-324 IN SECTION 2 YIELDS CLAYBALLS. INTO SECTION 4, MUCH TRASH WAS LANDED, PARTICULARLY ON SKIMMER, WHICH HAD TO BE CLEANED & PICKED THROUGH FOR ANY TURTLE PARTS & INSPECTION FOR OTHER BIOLOGIC SAMPLES. THE PREDOMINANT SPECIE SAMPLED WAS THE SPIDER CRAB, ALSO SAMPLED WERE VARIOUS WHELKS, WHELK EGGS, STIFF PENN SHELLS, & BLUE CRABS. TRASH ON SKIMMER INCL. BUT CERTAINLY NOT LIMITED TO; PVC PIPE, WOOD, FISHING GEAR, BOTH SPORT & COMMERCIAL OF ALL TYPES, ALUMINUM CANS, CARPET, CLOTHING ITEMS. THE AFT LANDER IS STILL IN NEED OF WELDING OF THE MIDDLE SECTION OF REBAR TO ITS FRAME.
SECTIONS 3 & 4 ARE LISTED AS -60ftw → 0 & -60ftw → -20ftw, AS PARTIALS OF BOTH AREAS WERE WORKED IN 2 CUTS. (SECTION 3 IS NORMALLY -80ftw → -40ftw, SECT 4 IS -40ftw → 0). MATERIAL: SILT & MUD, BOTTOM DUMPED.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<u>TURSIOPS TRUNCATUS</u>	<u>4</u>	<u>7-8</u>	<u>INSIDE JETTIES, TAIL SLAPPING & BREAKING</u>
<u>PORTUGUESE MANO'WAR</u>	<u>2</u>	<u>~ 60</u>	<u>IN 2 SEPERATE FLUTILLAS: 1 OF ~ 50; 1 OF ~ 10</u>

Observer(s) On Duty: C. MASON, M. PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Ouachita - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 12 / 16 / 95 : Loads: 335 - 353
Area(s) Worked: -60 to 0 → -20 to 0 & -60 to 0 → ∅
Weather Conditions: FOG → CLEAR, WIND NE, 6-10KT, SEAS 1'-4'
Range of H₂O Temperature: Surface 62 - 63°F Below Mid-Depth _____
Condition of all screening apparatus: AFT SCREEN STILL NEEDS WELDING.

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

Comments (type of material being dredged, biological specimens, etc.): STILL WORKING PART OF SECT 3 & 4, YIELDING MUDDY SILT, AND THE USUAL TRASH, FISHING GEAR, LOGS & WOOD, PLASTICS AND THE LIKE. BIOLOGICS INCLUDE SPIDER CRABS, GASTROPOD EGGS, CLAM SPAT, PENN SHELLS, & WHELKS (MOSTLY UNINHABITED), AND SEA GRASS. DOING 2 CUTS, THEN BOTTOM DUMPING JUST OUTSIDE CHANNEL. DRAGHEADS & OVERBOARDS CHECKED ENROUTE TO DUMP. RETURNING FROM DUMP, THERE IS ~ 15 MINUTES TO CLEAR SKIMMER & LANDERS. USUALLY THERE IS TIME ONLY FOR SKIMMER & ONE LANDER, IF THAT. CLEARING SKIMMER ENROUTE TO DUMP DEPENDS ON SEA STATE... @ 1015, OUACHITA STOPS @ DUMP TO PERFORM HYDRAULICS REPAIRS, DIGGING AGAIN @ 1142. SPIDER CRABS CONTINUE TO BE THE PREDOMINANT BIOLOGICAL SPECIE OBSERVED, TODAY'S COUNT IS 51. SURELY THIS WOULD NOT BE THE TOTAL # AS OTHERS WOULD BE EASILY MISSED AMONG ALL THE DEBRIS OR WASHED THRU SKIMMER & OUT OVERBOARDS. NAIVE DIGGING.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: C. MASON, M. PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *OUACHITA* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

WEEKLY SUMMARY

Dates: 12, 10, 195 - 12, 16, 195 Loads: 230 - 353
Range of H₂O Temperature: Surface 60°-64° F Below Mid-Depth _____
Area(s) Worked: SECT. 2, 3, 4.

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

Comments: SECT 2 - 130 to 0 → -80 to 0
SECT 3 - -80 to 0 → -40 to 0
SECT 4 - 40 to 0 → ∅

AFT LANDER, MIDDLE REBAR SECTION COMING OUT OF FRAME, SKIPPER NOTIFIED ON LOAD 314 (12-14): AS OF MIDNIGHT 12-16, STILL IN NEED OF REPAIR. SEC. 2 YIELDS MOSTLY CLAY MATERIAL AS MOST OF THE AREA IS AT OR NEAR PROJECT DEPTH... SECTS. 3 & 4 YIELD SILT, AND NONBIOLOGICS WERE LARGELY TRASH - WOOD, PLASTICS OF MANY TYPES, DISCARDED APPAREL, AND FISHING GEAR, COMMERCIAL AND RECREATIONAL, AND SEVERAL LG. NETS. THE PREDOMINANTLY ANIMAL IN SECTS. 3 & 4 WAS THE SPIDER CRAB; THERE WERE ALSO BLUE CRABS, SOLDIER CRABS, ATLANTIC CUTLASSFISH, SEVERAL SCYPHOZ.

SAMPLING METHOD SCENARIO IS TO CR THE DRAGHEADS & OVERBOARDS ON THE WAY TO DUMP, AND IN THE 10-15 MIN RETURNING (~10 MIN SECT 2; ~15 MIN SECTS 3 & 4), VISUAL OF LANDERS, USUALLY WE ARE ABLE TO DESCEND INTO ONE LANDER TO CUT FREE ENTANGLED LINES AND DISCARD CLAYBALLS AND DEBRIS. BUT NOT EVERY LOAD, FOR THE PUMPS MUST BE DE CLUTCHED AND THE MATES PROTEST DUE TO INCREASED WEAR ON MACHINERY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>RUBY CROWNED KINGLET</u>	<u>1</u>	<u>2</u>	<u>ON DECK</u>
<u>PORTUGUESE MAN O'WAR</u>	<u>2</u>	<u>~61</u>	<u>IN FLUTILLAS ON SEC OF WATER</u>
<u>TURSOLOPS TRUNCATUS</u>	<u>6</u>	<u>9-10</u>	<u>IN & AROUND CHANNEL, INSIDE JETTIES</u>
_____	_____	_____	<u>ALSO . . .</u>

Observers On Duty: C. MASON, M. PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Ouachita - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 12/17/95

Loads: ~~000~~ - 353-368

Area(s) Worked: -130+00 to -80+00 (Sec 2) -60+00 to 0 (Sec 3+4)

Weather Conditions: winds - SE to NW to SW (6-32K), sky = clear - overcast, seas = 2'-7' ^{Electric Storm}

Range of H₂O Temperature: Surface 62°F - 65°F Below Mid-Depth _____

Condition of all screening apparatus: Starboard stern section of skimmer became very bent up during load # 356. Was temporarily repaired during load # 360, but still untrustworthy. Welder is making new section, but will take 3 days. Aft lander still needs welding.

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

Comments (type of material being dredged, biological specimens, etc.): _____

In section 2, clay, wood and trash were the materials being retained by screening. Four cuts were being made for each load.

In sections 3+4, two cuts ~~per~~ were being made and the following materials were being retained by screens: wood, trash, line, clay, netting, Spider Crabs - 23, Blue Crab - 3, Cuttassfish - 2, Whelk eggs, worms with clam (spat?) on them, catfish skulls, pen shells (sawtoothed)

Between the hours of 0842 - 1100, Ouachita anchored near the dump site ~~and~~ ^{while} steering repair was done and all screening was thoroughly cleaned.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
Brown Pelican	<u>1</u>	6 <u>6</u>	<u>Section 3, flying</u>
Tursio p.s. truncatus	<u>1</u>	3 <u>3</u>	<u>"rolling" inside jette</u>
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: M. P. ERCY, C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 12 / 18 / 95 : Loads: 369-384
Area(s) Worked: 730 → 780+00 (Sec 2) - 60 → 0 (Sec 3+4)
Weather Conditions: Wind = 8-42 K (all directions), sky = PC → thunderstorm; seas = 2'-6'
Range of H₂O Temperature: Surface 63°F steady Below Mid-Depth _____
Condition of all screening apparatus: Starboard Stern section of skimmer still bent up
Aft lander still in need of repair

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

Comments (type of material being dredged, biological specimens, etc.): _____

In section 2, four cuts were being made. The materials retained
by screening were: mostly clay.
In sections 3+4, materials being retained were: clay, trash, wood, line,
netting, fishing gear, hard hats (2), Spider crabs - 13, Blue Crab - 1, Box Crab - 1,
Sawtoothed pen shells, whelk (knobbed). Two cuts were being made in the ~~sect~~
sections.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: M. PIERCY, C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Ouachita - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 12 / 19 / 95

Loads: 385-400

Area(s) Worked: -130+00 → -80+00 (Sec. 2), -60+00 → 0 (Sec. 3+4), -80+00 → -40+00 (Sec. 3)

Weather Conditions: Wind = 18-24k, NW-NNE, sky = clear, seas = 2-6'

Range of H₂O Temperature: Surface 62°F - 63°F Below Mid-Depth

Condition of all screening apparatus: starboard stern section of skimmer still bent and other 2 remaining sections are beginning to sag in the center. Aft lander still in need of repair.

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.):

In Section 2 (loads 385-389), clay, trash, wood, netting, metal, cutlassfish-4, Spider crab-2, Blue crab-1, Saw toothed penshell-4, were retained in the screens during the 4 and 6 cut loads.

In Sections 3+4 (loads 390-395), clay, trash, wood, line, ~~netting~~, spider crabs-~~14~~, Blue Crab ~~3~~ ~~were retained in screens~~ ~~cutlassfish-1~~, Mantis Shrimp-5 were retained in screens during the 2 cut loads.

In Section 3 (loads 396-400), clay, trash, wood, line, netting, Spider Crabs-8, Blue Crab-1, were retained in Screens during the 4 cut loads.

SECTION 2 WAS APPROVED BY USACE IN THE AFTERNOON. Mouth of jettes is noticeably muddy (brown) from inland runoff following previous days storm. (Perhaps why no sighting of Tursiops truncatus was made there).

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<u>Tursiops truncatus</u>	1	1	at dumpsite.
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: M. P. ERCY, C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 12, 20, 95

Loads: 401-414

Area(s) Worked: -80+00 → -40+00 (SEC 3), +40+00 → -40+00 (SECS 4 & 5)

Weather Conditions: OVERCAST, WIND N → NW, 12K-20K, SEAS ~ 2'

Range of H₂O Temperature: Surface 63°F-64°F Below Mid-Depth _____

Condition of all screening apparatus: NEW OVERFLOW IS BEING BUILT, AFT LANDER STILL IN NEED OF REPAIR.

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

Comments (type of material being dredged, biological specimens, etc.): SECTIONS 4 & 5 WERE DUG ON LOAD 408 ONLY, WHILE SURVEY BEING CONDUCTED IN SECTION 3. OTHER LOADS WERE 4 CUTS IN SECTION 3, YIELDING THE USUAL TRASH, PLASTIC ITEMS, FISHING LINE, AND A FOREST OF WOOD. BIOLOGIC SAMPLES DECREASED IN NUMBER & DIVERSITY AS WE DIG DEEPER INTO CLAY. ELEVEN SPIDER CRABS, A FEW BLUE CRABS, 3 CUTLASS FISH, PENN SITTELS, & (1) WITELK EGGS. SEVERAL FISH HEADS FOUND, MOST LIKELY CAUGHT & CLEANED ON JETTIES OR UPRIVER. THE MID SCREEN WAS NOT CHECKED ON LOAD 411. IT WAS NOT FLUSHED & WAS FULL OF MUD & CLAY BY THE TIME WE WERE BACK FROM DUMP. THE SKIPPER HAS BEEN FILLING THE DRAGTENDER POSITION WHILE ONE DRAGTENDER IS ON TEMPORARY LEAVE AND APPARENTLY WAS NOT INFORMED OF THE LANDER FLUSH ROUTINE.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<u>TORSIOPS TRUNCATUS</u>	<u>3</u>	<u>9-11</u>	<u>OFF JETTY (N.) AND IN CHANNEL.</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: C. MASON, M. PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 12 / 21 / 95 Loads: 415-426
Area(s) Worked: -80+00 → -40+00 (Sec. 3), +40+00 → -20+00 (Sec. 5 Load # 424 only)
Weather Conditions: wind = 15-28KT, NW → NE, sky = overcast → rain, seas = 2'-6'
Range of H₂O Temperature: Surface 60°F - 62°F Below Mid-Depth _____
Condition of all screening apparatus: Replacement for broken skimmer section is almost finished and complete reconstruction of skimmer will take approximately 8 more days. Shackles added to aft lander screen. Port overboard basket support cable broken and repaired.

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

Comments (type of material being dredged, biological specimens, etc.): _____

In Section 3 (All loads except #424), materials being retained by screening were: clay, trash, wood, net, cable, line, seagrass, cutlassfish - 2, spider crab - 2, whelk eggs - 1 string. 4-6 cuts made during loads in this section.
In Section 5 (load #424 only) - only clay was retained in this load. This cut was made in order for *Ouachita* to pick up steel from supply boat.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: M. PIERCY, C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 12, 22, 95

Loads: 427-445

Area(s) Worked: -80+00 → -40+00 (Sec. 3), -20+00 → +40+00 (Sec. 4+5)

Weather Conditions: Wind=12-33KT, sky=clear → rain, seas=1'-5'

Range of H₂O Temperature: Surface 57°F - 59°F Below Mid-Depth _____

Condition of all screening apparatus: Skimmer is in same condition as yesterday, still in need of replacement, but holding up okay. Everything else is in good shape.

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

Comments (type of material being dredged, biological specimens, etc.): _____

In Section 3 (loads 427-429) only clay and a carpet remnant were retained in screening, 8 cut loads.

In Sections 4-5 (loads 430-445), materials retained in screening were wood, shoes, tackle box, line, trash, net, seagrass, cutlassfish-2, Blue Crab-2, sawtoothed penshell-1, whelk eggs-1 string, catfish-1. ~~1~~ cut loads (outbound)

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<u><i>Fursiops truncatus</i></u>	<u>5</u>	<u>7 (most in one sighting)</u>	<u>in and out of jetties. During the 5 different sightings, the number of individuals was observed varied from 3-5-7-4-7.</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: M. BIERCY, C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Ouachita - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 12, 23, 95 Loads: 446 - 467

Area(s) Worked: +40+00 -> -20+00

Weather Conditions: CLR -> OVC, WIND NNW-NE 8-30KT SEAS 1'-5'

Range of H₂O Temperature: Surface 55°F - 58°F Below Mid-Depth _____

Condition of all screening apparatus: NEW SKIMMER STILL BEING CONSTRUCTED.
LANDERS & OUBDS EXCELLENT.

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

Comments (type of material being dredged, biological specimens, etc.): CONTINUING TO DIS
SILT MATERIAL, AND BOTTOM DUMPED. SKIMMER COLLECTS
SOME NON-BIOLOGIC MATERIALS AS PLASTICS, ALUMINUM
CANS, FISHING TACKLE, BIOLOGICS WERE A FEW PENN
SHELLS, WHELK EGGS, AND A BLUE CRAB. ALSO SMPLO
WAS A GOOD BIT OF WOOD. LANDERS OTHERWISE
FREE OF DEBRIS. STILL MAKING 1 CUT OUTBOUND.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<u>TURSIOPS TRUNCATUS</u>	<u>3</u>	<u>~19</u>	<u>VICINITY OF JETTIES</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: C. MASON, M. PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Ouachita - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

WEEKLY SUMMARY

Dates: 12 / 17 / 95 - 12 23 195 Loads: 353-467

Range of Water Temperature: Surface 55°F - 65°F Below Mid-Depth _____

Area(s) Worked: +40+00 → -130 , Sections 2, 3, 4 + 5

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

Comments: Section 2 = -130+00 → -80+00

Section 3 = -80+00 → -40+00

Section 4 = -40+00 → 0

Section 5 = 0 → +40+00

Aft lander mid-section was repaired with shackles. Port overboard basket cable was repaired and skimmer starboard stern section was temporarily repaired. Complete skimmer replacement is being built. Two cuts per load was being made in Section 2, yielding mostly clay, wood, trash, netting, metal, cutlassfish, spider crabs, sawtooth penshells and Blue Crabs. USACE approved Section 2 on the afternoon of 12/19/95. Two-cut loads in ~~Section 2 yielded mostly clay and trash~~ Sections 3+4 were dug together in 2 cut loads on 12/17 → 12/19, yielding clay, trash, wood, nets, cable, fishing line, seagrass, spider crabs, cutlassfish and whelk eggs. Sections 4+5 were dredged together during 12/20 → 12/23. Loads were 1 cut - outbound. The materials retained by screening were wood, trash, nets, seagrass, cutlassfish, Blue Crabs, sawtooth penshells, whelkeggs and catfish.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<u>Tursiops truncatus</u>	<u>15</u>	<u>11 individuals in the largest Sighting</u>	<u>mostly in and around jetties.</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observers On Duty: M. PIERCY, C. MASON

DAILY REPORT

Date: 12 12 4 195 : Loads: 468-481
Area(s) Worked: -20 to +40 to
Weather Conditions: CLR → OVC, WIND NW → NE 8-28 FT SEAS 1'-5'
Range of H₂O Temperature: Surface 56°F Below Mid-Depth _____
Condition of all screening apparatus: EXCELLENT, SKIMMER AS BEFORE

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

Comments (type of material being dredged, biological specimens, etc.): LANDERS MOSTLY FREE OF DEBRIS. FRONT (FWD) LANDER ACCUMULATING LINE & FISHING TACKLE. SKIMMER COLLECTS THE USUAL WOOD & TRASH. SAW TOOTHED PENN SHELLS, WHELKS, WHELK EGG CASES ON SKIMMER.

AFTER LOAD 481, OUACHITA DUCKS @ BRAEUS HARBOR FOR 24 HR XMAS DOWNTIME. ALL LANDERS CLR'D OF ALL ACCUMULATED DEBRIS, LINE, & FISHING GEAR. SKIMMER & OVERBDS ALSO CLR'D OF TRASH.

LOADS WERE 1 CUT OUTBOUND, SILT MATERIAL WITH A FEW CLAYBALLS, BOTTOM DUMPED AS USUAL.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<u>TURSIOR TRUNCATUS</u>	<u>5</u>	<u>~ 24</u>	<u>INSIDE & AROUND JETTIES, FEEDING.</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: C. AASIN, M. PIERCY.

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge *Ouachita* - Freeport, TX
 Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 12, 25, 95 Loads: 482-488
 Area(s) Worked: +40 to 0 → -20 to 0 SEC 5 (+40 to 0 → 0) & SEC 4 - PARTIAL (0 - -20 to 0)
 Weather Conditions: OVC → CLR WIND NW 5-12KT SEAS 1'-2'
 Range of H₂O Temperature: Surface 57°F Below Mid-Depth _____
 Condition of all screening apparatus: ALL IN GOOD SHAPE, NEW SKIMMER CONSTRUCTION CONTINUES...

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

Comments (type of material being dredged, biological specimens, etc.): OUACHITA GETS UNDERWAY 1600, DIGGING BY 1622. ON THE ONE OUTBOUND CUT, SKIMMER PICKS UP SOME WOOD & A BIT OF TRASH. LANDERS MOSTLY CLEAR EXCEPT SOME OCCASIONAL TRASH. NO ANIMALS OF ANY TYPE SAMPLED.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: -- C. MASON, M. PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Ouachita - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 12, 26, 95 Loads: 489-511
 Area(s) Worked: +40 to 0 → -20 to 0 SEC 5 & PART OF SEC. 4
 Weather Conditions: CLR → OVC, WIND NW 5-28 KT,
 Range of H₂O Temperature: Surface 56° - 57° F Below Mid-Depth _____
 Condition of all screening apparatus: Good.

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

Comments (type of material being dredged, biological specimens, etc.): SKIMMER PICKS UP THE USUAL WOOD, TREE BRANCH SAMPLES, PLASTICS, TRASH. MID & AFT LANDERS SAMPLE ROCKS, LINE, SOME CARPET. BIOLOGICS WERE A BLUE CRAB, WHEEK EGGS, A CUTLASS FISH, OYSTER AND PENN SHELLS.
CONTINUING TO CHECK OVERFLOW & BASKETS, DRAGHDS, EN ROUTE TO DUMP, LANDERS ON THE WAY BACK TO CUT AFTER BEING FLUSHED. FIRE & BOAT DRILL HELD @ NOON. SAFETY MTC, FOLLOWED.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: C. MASON, M. PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge Ouachita - Freeport, TX
 Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 12, 27, 195 Loads: 512 - 523
 Area(s) Worked: +40+00 → -20+00 (Sec. 5+4) - 80+00 → -40+00 (Sec. 3)
 Weather Conditions: wind = 6-18 KE, NW → SE, Seas = calm → 1'
 Range of H₂O Temperature: Surface 57°F Below Mid-Depth _____
 Condition of all screening apparatus: Landers + port & starboard overflows all in good condition, skimmer still in need of repair

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

Comments (type of material being dredged, biological specimens, etc.): _____

In sections 4+5 (loads 512-518) the following materials were being retained by screening: wood, clay, trash, fishing line, spider crabs - 2, and whelk eggs. These were 1 cut outbound loads.

In Section 3 (loads 519-523), materials retained by screening were, wood, trash, clay, spider crabs - 26, Cutlassfish - 12, Catfish - 1, whelk eggs, ~~pen~~ sawtoothed pen shells. These were 8 cut ~~loads~~ agitation loads.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: M. PERCY, C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Ouachita - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 12/28/95

Loads: 524-541

Area(s) Worked: -80+00 → -40+00 (Sec. 3), +40+00 → -40+00 (Sec. 4+5)

Weather Conditions: Wind = 12-32 Kt, NE → NW, Sky = clear → overcast, Seas = 2-5'

Range of H₂O Temperature: Surface 56°F - 57°F Below Mid-Depth

Condition of all screening apparatus: all screening in good shape - skimmer still in need of repair.

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

Comments (type of material being dredged, biological specimens, etc.):

In Section 3 (Loads 524-525) materials being retained were: clay, wood, trash, nets, spider crabs - 11, Blue Crabs - 1, Cutlassfish - 10. These were 8-cut agitation loads.

In Section 4+5 (loads 526-541) materials being retained by screening were: trash, wood, clay, rocks, fishing line, Blue Crab - 1, Cutlassfish - 2, Spider Crabs - 4. These were 1 ^{cut} ~~cut~~ outboard loads.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<i>Tussock truncatus</i>	2	4	mouth of jetties
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: M. PERCY, C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Ouachita - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 12, 29, 95

Loads: 542-564

Area(s) Worked: +40+00 → -40+00 (Sec. 4+5)

Weather Conditions: Wind=12-24Kt, N→NE, sky=clear → overcast, seas=2'-5'

Range of H₂O Temperature: Surface 57°F - 56°F Below Mid-Depth

Condition of all screening apparatus: all screening in good shape except skimmer which is still in need of repair

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

Comments (type of material being dredged, biological specimens, etc.):

In Sections 4+5 (loads 542-564) materials being retained by ~~st~~ screening were: clay, wood, trash, fishing line and nets, spider crab-2, cutlassfish, pen shells, whelk eggs, Blue Crab.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<u>Turziops truncatus</u>	1	3	inside jetties
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: - -

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Ouachita - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 12, 30, 95 Loads: 565-580
Area(s) Worked: +40 to 0 → -40 to 0 (SECS 4 & 5) SEC 3 -40 → -80 fms
Weather Conditions: CLR → OVC WIND NE - SE 10-16KT SEAS 2'-4'
Range of H₂O Temperature: Surface NO TEMPS Below Mid-Depth _____
Condition of all screening apparatus: GOOD. SKIMMER BENT - NEW ONE IS STILL UNDER CONSTRUCTION

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

Comments (type of material being dredged, biological specimens, etc.): DREDGING SEC. 4 (+40 to 0 → 0) & 5 (0 → -40 to 0). SECTION 3 WAS AGITATED FOR 6 1/2 HRS (LOAD 571), LANDERS & DRAGS SAMPLED CLAY, SKIMMER SMPLD MUCH WOOD & SEVERAL SPIDER CRABS. SECS 4 & 5 SAMPLED CLAY, WOOD, AND THE ONLY BIOLOGICS WERE A FEW SPIDER CRABS, ON ONE OUTBOUND CUT. NO PROBLEMS WITH SAMPLING, ALL IS ROUTINE.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: C. MASON, M. PIERCY.

WEEKLY SUMMARY

Dates: 12, 24, 195 - 12, 30, 195

Loads: 468 - 580

Range of Water Temperature: Surface 56°F - 57°F Below Mid-Depth _____

Area(s) Worked: -20 → -40(4), +40 → -20(5, 14) -80 → -40(3) +40 → -40(425)

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

Comments: ONE OUTBOUND CUT BEING MADE IN SEC. 4, SILT MATERIAL; AFTER LOAD 481, ALL LANDERS, OUBERBOARDS, & SKIMMER WERE CLEARED OF ALL DEBRIS ENROUTE TO DOCK FOR 24 HR HOLIDAY DOWNTIME... FROM THE 25TH THRU 27TH, DIGGING SEC 5 & PART OF 4... SKIMMER SMPL YIELDING BLUE CRABS, WHELK EGGS, CUTLASS FISH, AND SPIDER CRABS... SECTION 3 WAS DUG TOWARDS THE LATER PART OF THE DAY ON 27TH, SCREENING RETAINED A GREATER # OF BIOLOGIC SPECIMENS, 26 SPIDER CRABS, 12 CUTLASS FISH, WHELK EGGS & A CATFISH. THE 5 LOADS IN SEC 3 WERE 8 CUT AGITATIONS. ON THE 28TH, SECTION 3 DUG IN AM, RETAINING 11 SPIDER CRABS, A BLUE CRAB, AND 10 CUTLASS FISH, THEN BACK TO SECTIONS 4 & 5, RETAINING MUCK CLAY IN SMPLS AS WE DIG DEEPER. SCREENS IN GOOD SHAPE, NEW SKIMMER CONSTRUCTION CONTINUES, PRESENT ONE IS BENT UP BADLY.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<u>TURSIOPS TRUNCATUS</u>	<u>6</u>	<u>~ 31</u>	<u>FEEDING AROUND MOUTH OF JETTIES.</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observers On Duty: C. MASON, M. PIERCY

BIOLOGIES RETAINED, MOSTLY BY SKIMMER, INCLUDE, WOOD,
LARGE LOGS, WHEEK EGGS, BLUE & SPIDER CRABS, FISH CARCASSES
UNIDENTIFIED, CUTLASS FISH, JELLY FISH, AMERICAN EELS,
FLUNDERS, ALGAE, SHRIMP, CATFISH, RED DRUM, KINGFISH,
WHEEKS. IT CERTAINLY SEEMS THAT THE ABUNDANCE OF
FAUNAL CREATURES HAS INCREASED IN SECTS. 4 & 5 AS
WE DIG DEEPER INTO THE CLAY.

SECT. 3 HAS BEEN APPROVED.

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Ouachita - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 12, 31, 195 Loads: 581 - 598
Area(s) Worked: +40 TOW → -40 TOW SECS 4 & 5 #
Weather Conditions: OVERCAST, FOG, WIND W → NE 5-16 KLT SEAS 2-4'
Range of H₂O Temperature: Surface 58°F Below Mid-Depth _____
Condition of all screening apparatus: GOOD

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

Comments (type of material being dredged, biological specimens, etc.): SECTIONS 4 & 5
STILL BEING DUG, I CUT OUTBOUND. CLAY & SILT
MATERIAL, CLAY BEING RETAINED IN LANDERS, SKIMMER
COLLECTS TRASH & WOOD, CUTLASS FISH, PENN SHELLS, WHELK EGGS,
BLUE CRABS, PLASTIC ITEMS, AND A COCONUT.

THICK FOG TOWARDS THE LATTER PART OF THE
EVENING HALTS DREDGING OPERATIONS AND OUACHITA
ANCHORS @ DUMP @ 2204. MID & AFT LANDERS FULL
OF CLAY, SO ALL DEBRIS REMOVED FROM FORE LANDER
(MOSTLY FISHING TACKLE & LINE) AND BASKETS AND
OVERFLOW SKIMMER.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<u>TURSIOPS TRUNCATUS</u>	<u>1</u>	<u>4</u>	<u>@ JETTY MOUTH</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: - - C. MASON, M. PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 1 / 1 / 96 Loads: 599 - 610
Area(s) Worked: +40 → -40 ; φ → -40 to 4
Weather Conditions: THICK FOG → OVC MOST OF DAY, WIND CALM TO 40KT SEAS CALM → 4
Range of H₂O Temperature: Surface 57°F Below Mid-Depth _____
Condition of all screening apparatus: GOOD -

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

Comments (type of material being dredged, biological specimens, etc.): ANCHOR AWEIGHT
AT 0727, LOADS DUMPED 0744, PUMP RUNS ON SLOW
BELL IN THICK FOG. WEATHER BREAKS AROUND NOON,
W/ OVERCAST SKIES, WIND INCREASES TO A MAXIMUM
OF 46 KT AND 4' SWELLS LATE IN THE AFTERNOON.
LANDERS COLLECTING CLAY; FLUSHING
AFTER EACH DUMP KEEPS ACCUMULATION TO A MINIMUM.
AFTER LOAD 606 DUMPED, PINS REPLACED IN SHACKLES
SECURING AFT LANDER REBAR - AND SAFETY WIRED. THE
OLD PINS HAD FALLEN OUT. DIGGING IN SECTION
4 ONLY (φ → -40 to 4) FROM #603 ONWARD, 2
CUTS, DUMP RUNS VERY SHORT, ONLY 10 MINUTES.
FLUSHING OCCASIONALLY W/ 2 PUMPS TO KEEP CLAY
DOWN IN LANDERS.
WATER TEMPS IN UPPER-MID 50'S FOR ABOUT 1 1/2 WKS
CONSISTENTLY.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<u>TURSIOPS TRUNCATUS</u>	<u>1</u>	<u>3</u>	<u>@ S. JETTY.</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: - C MASON, M. PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Ouachita* - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 1, 2, 196 Loads: 611-632

Area(s) Worked: -40+00 → 0 (Section 4)

Weather Conditions: wind=18→38 Kt, sky=overcast→clear, seas=2'-4'

Range of H₂O Temperature: Surface 58°F Below Mid-Depth _____

Condition of all screening apparatus: Skimmer is still caving in, but stable. All other screening is in good condition.

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

Comments (type of material being dredged, biological specimens, etc.): _____

Two cut loads in Section #4 yielded the following materials in screening: wood, clay, trash, fishing line, coconuts, whelk eggs, Spider Crabs-14, Blue Crabs-6, Catfish-2, Fish carcasses (unidentified)-3, Cutlassfish-2, Jellyfish-1, and an American Eel.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<u><i>Tursiops truncatus</i></u>	<u>1</u>	<u>3</u>	<u>in channels, breaching</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: M. PERCY, C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 1 13 196 Loads: 633-650
Area(s) Worked: Sections 4 (-40+00 → 0) and 5 (+40+00 → 0)
Weather Conditions: wind = 7 → 32 kt, NW → S, Sky = hazy, pc → clear, seas = calm → 3'
Range of H₂O Temperature: Surface 57°F Below Mid-Depth _____
Condition of all screening apparatus: all screens in good shape. Skimmer has not been replaced, but is sturdy (we just don't step on it).

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

Comments (type of material being dredged, biological specimens, etc.): _____

In Section 4 (loads 633-638, 642-650), materials retained by screening were wood, trash, fishing line, clay, rocks, macroalgae, moon jellies, Spider Crabs - 30, Blue Crabs - 5, Whelk eggs, Skate eggs, Ridged Slipper Lobster - 1, Cutlassfish, flounder, American EEL. These were 4 cut loads.

In Section 5 (loads 639-641), trash, wood, clay, fishing line macroalgae, rocks, Spider Crab - 2, Blue Crab - 1, were retained in 2 cut loads.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: M. PIERCY, C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 1 1 4 196 Loads: 651-657

Area(s) Worked: Section 4 (-40+00 → 0)

Weather Conditions: Wind = 10-22 Kt, N → S → SW, Sky = Clear → overcast, seas = 2-4'

Range of H₂O Temperature: Surface 58°F Below Mid-Depth _____

Condition of all screening apparatus: Aftlander floor is breaking up in center. Skimmer remains the same

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

Comments (type of material being dredged, biological specimens, etc.): _____

The following material was retained in screening: clay, wood, trash, fishing line, netting, seagrass, whelk eggs, jelly fish parts, shrimp, Cutlassfish, unidentified fish - 2 (not sturgeon), Spider Crabs - 4,

Ouachita tied up at Brazo's Harbor at 1240 for repairs to Keelson Box (patched an apple sized hole). All screening cleared of debris &

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<u>Black legged Kittiwake</u>	<u>1</u>	<u>1</u>	<u>feeding at dock w/ gulls, terns. Hatching year bird.</u>
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: M. PIERCY ; C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 1 15 196 Loads: 658-668
Area(s) Worked: Section 4 (0+00 → -40+00), Section 5 (+40+00 → 0+00)
Weather Conditions: wind = 6-30 kt, NE → S → SW, sky = Rain → clear, seas = 2-4'
Range of H₂O Temperature: Surface 58°F → 59°F Below Mid-Depth _____
Condition of all screening apparatus: Floor of Aftlander and skimmer still in need of repair. All other apparatus is in good shape.

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

Comments (type of material being dredged, biological specimens, etc.): _____

In Section 4 (All loads except #662), materials retained in screening were clay, wood, trash, fishing line, Spider Crabs - 12, Blue Crabs - 12, Catfish - 3, Jelly fish parts, moon jelly, whelk eggs, Cutlassfish - 2, Gulf Kingfish - 2 and ~~one~~ parts of a large unidentified fish (not a short-nosed sturgeon because it had no bony scutes and pieces left on skimmer ~~were~~ included whole chunks of dorsal and ventral sides). These were 6 cut loads

In Section 5 (Load #662), wood, trash, clay and ~~with~~ whelk eggs remained in screening. This was a 4 cut load.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<u><i>Tursiops truncatus</i></u>	<u>1</u>	<u>6</u>	<u>in and out of jetties</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: M. PIERCY, C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 116196 Loads: 669-680

Area(s) Worked: Ø → -40 to 0 (SECT-4); Ø → +40 to 0 (SECT-5)

Weather Conditions: _____

Range of H₂O Temperature: Surface 57-59°F Below Mid-Depth _____

Condition of all screening apparatus: GOOD; AFT LANDER FLOOR CRACKED, SKIMMER CONSTRUCTION CONTINUES. WIRE MESH OF BOTH PORT & STARBOARD BASKETS IS BREAKING UP. SLIPPER NOTIFIED.

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

Comments (type of material being dredged, biological specimens, etc.): ALTERNATED BETWEEN 2 CUTS IN SECT. 5 AND AGITATING SECT 4, DOING CLEANUP WORK SECT. 4. LANDER MOSTLY CLEAR EXCEPT FOR NYLON & OTHER TYPES OF LINE, FISHING TACKLE. BIOLOGICS RETAINED BY SKIMMER WERE WOOD, LOGS, A RED DRUM, ALGAE, CUTLASSFISH, BLUE AND SPIDER CRABS, CANNONBALL JELLYFISH, AN EEL. CLAY RETAINED IN DRAGHEADS, CLAYBALLS IN LANDERS & OVERBOARDS. AN OTHERWISE ROUTINE DAY.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<u>N. GANNET</u>	<u>2</u>	<u>8</u>	<u>1 ADULT; 7 SUBADULTS @ DUMP.</u>
<u>TURNOPTS TRUNCATUS</u>	<u>1</u>	<u>4</u>	
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: C. MASON, M. PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Ouachita - Freeport, TX

Gulf Coast Trailing Co./USACE, Galveston District

WEEKLY SUMMARY

Dates: 12 131 195 - 1 6 196

Loads: 581 - 680

Range of Water Temperature:

Surface 57°F - 59°F

Below Mid-Depth _____

Area(s) Worked: +40 to 0 → ∅ (SECT 5); ∅ → -40 to 0 (SECT 4)

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

Comments: CREW ANCHORS OUACHITA 2204 DUE TO THICK FOG; CONTINUES DIGGING @ 374 ON SLOW BELL UNTIL FOG CLRS AROUND NOON... ALL SCREENING IN & OUTFLOW CLEANED EXCEPT CLAM-LADEN MID AFT LNDRS... LST PINS REPLACED IN SHACKLES OF AFT LANDER & SAFETY WIRED IN PLACE... A HOLE IN KEELSON BOX HEADS OUACHITA TO BRAZOS HSR FOR REPAIRS ON THE 4TH... ALL IN FLOW / OUTFLOW SCREENING CLEARED OF DEBRIS. ON THE 4TH, A PATCH ON AFT LANDER FLOOR IS NOTICED TO BE BREAKING UP ALONG WITH BROKEN WELDS ON FLOOR CRACKS. THIS WILL PROHIBIT OBSERVERS' ENTRY INTO THIS AREA, SKIPPER NOTIFIED... THE 3RD AND FINAL SECTION OF NEW SKIMMER IS BEING CONSTRUCTED AT THIS TIME. THE WIRE MESH OF BOTH PORT & STD OVERBOARD DISCHG BASKETS IS BREAKING UP FROM CORROSION, THEY CAN STILL BE ENTERED BY STEPPING ON THE FRAMING RATHER THAN THE WIRE FLOOR, WHICH IS THE STANDARD PRACTICE ANYWAY.

WATER TEMPS CONSISTENTLY IN UPPER 50'S @ SFC, AS IT HAS FOR ALMOST 3 WKS. (OVER)

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<u>T. TRUNCATUS</u>	<u>5</u>	<u>20</u>	<u>AROUND JETTIES FEEDING</u>
<u>BLACK LEGGED KITTWAVE</u>	<u>1</u>	<u>1</u>	<u>FEEDING W/ GULLS, HAZITING 40 BIRD</u>
<u>N. GANNET</u>	<u>2</u>	<u>8</u>	<u>1 ADULT, 7 SUBADULTS</u>
_____	_____	_____	<u>FEEDING @ DUMP</u>
_____	_____	_____	_____

Observers On Duty: C. MASON, M. PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 1 / 7 / 96 Loads: 681-691

Area(s) Worked: -40+00 → +40+00 (Sections 4+5)

Weather Conditions: Wind = 25-30kt, N-NNW, sky = clear → partly cloudy, seas = 2'-4'

Range of H₂O Temperature: Surface _____ Below Mid-Depth _____

Condition of all screening apparatus: Floor of Aft lander and skimmer in need of repair.
Aft lander is worse off than skimmer. Starboard TED has hole in it.

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

Comments (type of material being dredged, biological specimens, etc.): _____

In Section 5 only (Loads 681-684) clay, wood, trash and Cutlassfish-2 & Flounder were retained by screening. These were 2 cut loads
In Sections 4+5 (Loads 685-689), clay, wood, trash, fishingline^{net}, macro-algae, Cutlassfish-8, Blue Crab-2, and Whelk eggs were retained. -2 cut/
In Section 4 only (Loads 690-691) clay, rock, logs, wood, trash, Blue Crab-2, Cutlassfish-4, American Eel-1, and an unidentified fish carcass ~~was~~ were retained in screening

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: M. PIERCY, C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Ouachita - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 11/8/96

Loads: 692-705

Area(s) Worked: -40+00 → 0 (Section 4), +40+00 → 0 (Section 5), +40+00 → -6+00 (Section 5)

Weather Conditions: wind = 4-30 kt, NNW → N → SW, sky = clear, seas = 1-3'

Range of H₂O Temperature: Surface 58°F Below Mid-Depth _____

Condition of all screening apparatus: Starboard overflow screening welded during load #697.

All other apparatus in same shape - Aftlander floor needs repair and skimmer does, too. These welding projects will wait until this job is over. Starboard TED needs repair (note in bottom). PORT OVERFLOW SCREENING REPAIRED AT

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

Comments (type of material being dredged, biological specimens, etc.): _____

In Section 4 (loads 692-696), rock, clay, wood, logs, line, catfish-1, Blue Crab-1, jellyfish-13, American eel-2, Cutlassfish-8, Bar Jack-1, were retained in screening.

In Section 5 (loads 697-700), clay, wood, trash, fishing line, rocks, log, Blue Crab-1, Cutlassfish-1, Flounder-1, were retained.

In Section 5 (+40+00 → -6+00) (loads 701-705), clay, wood, logs, and Blue Crab-1, were retained in screening.

USACE came out and surveyed section 4 in the morning. It was not accepted and more work will be done on towlines.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<u><i>Tursiops truncatus</i></u>	<u>1</u>	<u>10</u>	<u>in & out of jetties, breaching</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: M. PIERCY, C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 1 19 196 Loads: 705-722
Area(s) Worked: -6+00 → +40+00 (Section 5 and toe line of 4)
Weather Conditions: Wind = 8-20 Kt, NW-SW
Range of H₂O Temperature: Surface 55°F - 58°F Below Mid-Depth _____
Condition of all screening apparatus: AFT lander floor & skimmer need repair. All else in good shape. Starboard TED has hole in bottom...

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

Comments (type of material being dredged, biological specimens, etc.): _____

(All loads)
In Section 5 and toe line of 4th, materials retained by screening were: clay, wood, trash, fishing line, Cutlassfish - 15, whelk eggs, jellyfish, eel - 1. These were mostly 2 cut loads.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<u><i>Tursiops truncatus</i></u>	<u>1</u>	<u>8</u>	<u>in and out of jetties</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: M. PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

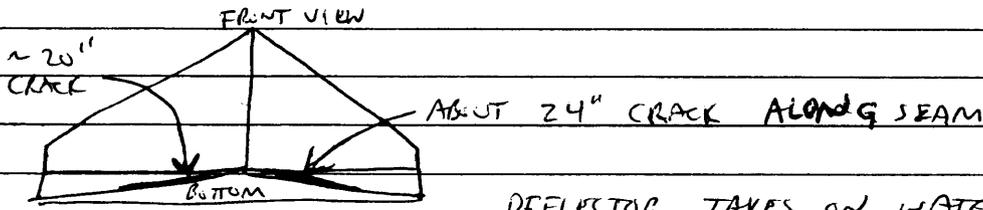
Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 1/10/96 Loads: 723 - 738
Area(s) Worked: -6000 → +4000, -6000 → +6000
Weather Conditions: CLR → PT CLDY, WIND CALM → 12KT SEAS CALM → 2'
Range of H₂O Temperature: Surface 59°F Below Mid-Depth _____
Condition of all screening apparatus: GOOD. SKIMMER & AFT LNDR FLWR
NEED REPAIR. STD DEFLECTOR NEEDS WELDING.

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

Comments (type of material being dredged, biological specimens, etc.): DUG IN SECT 9
UNTIL LOAD 734. IT WAS DISCOVERED THAT USACE NEEDS
FROM +40 → +60 DUG ALSO. FROM 734 ON, DIGGING -6000 →
16000 ON 2 CUTS. NOT MUCH DEBRIS BUT LOTS OF HEAVY
CLAY IN DRAGHDS. LANDERS ACCUMULATE A FEW CLAMBALLS,
SKIMMER NOT MUCH DEBRIS AT ALL. BIOLOGICS ARE WOOD,
CUTLASS FISH, CATFISH, BLUE CRAB, WHELK EGGS, THE USUAL
TRASH BAGS, PLASTIC BUCKET, GENERAL REFUSE FOUND.
DAMAGE TO STD DEFLECTOR:



DEFLECTOR TAKES ON WATER DURING DIGGING
AS IT IS SEEN TO BE LEAKING THRU CRACKS WHEN RAISED FROM WATER
STILL HITTING ROCKS OCCASIONALLY IN SECT 5.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<u>TURSIOPS TRUNCATUS</u>	<u>1</u>	<u>10</u>	<u>IN & AROUND JETTIES</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: C MASON, M. PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 1 / 11 / 96

Loads: 739 - 752

Area(s) Worked: -6000 → +6000

Weather Conditions: CLR, WIND NW @ 32KT, SEAS 2-4'

Range of H₂O Temperature: Surface 57-58°F Below Mid-Depth _____

Condition of all screening apparatus: GOOD. SKIMMER APPARATUS BUILT, NEEDS TO BE INSTALLED, AFT CNDR FLOOR IN DISREPAIR. FWD LANDER REBAR COMING APART. STOP & ~~ATT~~ DEFLECTOR HOLE.

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

Comments (type of material being dredged, biological specimens, etc.): STILL DIGGING CLAY & SILT MATERIAL. INSPECTING DRAGS, BASKETS, & SKIMMER ENROUTE TO DUMP; LANDERS AFTER FLUSHING ON THE WAY BACK TO CUT. NO TURTLES SIGHTED, NO TURTLES OR PARTS SEEN IN SCREENING. BIOLOGICAL SPECIMENS SAMPLED WERE WOOD, BLUE CRABS, WHEEL EGGS, OYSTERS, SPIDER CRABS, CUTLASS FISH, LOGS; NON BIOLOGICAL ITEMS INCLUDE FISHING TACKLE, LINE, TRASH, PLASTIC BAGS, METAL PARTS, STEEL ROD.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: C. MASON; M. PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 1/12/96 Loads: 753 - 759
Area(s) Worked: Ø → +40#00 ; Ø → +60#00
Weather Conditions: NO WIND, 6-22KT
Range of H₂O Temperature: Surface 55°F Below Mid-Depth _____
Condition of all screening apparatus: SAME AS 1-11-96 REPORT

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

Comments (type of material being dredged, biological specimens, etc.): _____
SECTION 4 IS APPROVED FOLLOWING USACE SURVEY; OUACHITA DOCKS TO TAKE ON FUEL 0630 TO 1420. DURING THIS DOWNTIME, ALL SCREENING CLEANED OF DEBRIS, EXCEPT AFT LANDER, WHOSE FLOOR IS UNSTABLE.
DIGGING SECT 5 UNTIL THE TIE-UP. AFTER THIS TIME (LOAD 758) DIGGING SECT 5 & '6' (40 → 60). AN UNIDENTIFIED SHARK WAS FOUND ON THE SKIMMER, BEHEADED. SOME WHITEK EGG ALSO FOUND, AND THE USUAL TRASH, CANS, NYLON & MONOFILAMENT LINE, STILL IN GOOD SUPPLY.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: C MASON, M PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 1 / 13 / 96 Loads: 762 - 776

Area(s) Worked: 00+00 → 60+00 (Sections 5 and 5B)

Weather Conditions: wind = calm → 15KT, ~~sky~~ N → S, sky = clear, seas = calm → 2'

Range of H₂O Temperature: Surface 56°F Below Mid-Depth _____

Condition of all screening apparatus: leak in starboard TED remains the same (hasn't seemed to increase), all other screening in same shape as previous days

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

Comments (type of material being dredged, biological specimens, etc.): _____

Materials being retained in screening were: clay, wood, rocks, trash, fishing line, cannonball, whelk eggs, oysters, spider crab-1, jelly fish,

At 0630 a "meteor" was observed, lighting up the sky (green) and leaving a white trail of "smoke". The evening news reported that this was observed over a wide area and was found to be "space junk" e.g. sattelight.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<u><i>Tursiops truncatus</i></u>	<u>7</u>	<u>7</u>	<u>Surfing and jumping in bow wake on return to dredging area from dump. At least 1 2 were immature, considerably smaller than the others.</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: M. PIERCY, C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

WEEKLY SUMMARY

Dates: 1, 7, 196 - 1, 13, 196 Loads: 681 - 776

Range of Water Temperature: Surface 55°F - 58°F Below Mid-Depth _____

Area(s) Worked: SECTION 5 (ø → +40 to +60) & SECT 4 (ø → -40 to 0 (ø +40 → +60))

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

Comments: FLOOR OF AFT LANDER BREAKING UP; SKIMMER (NEW) HAS BEEN BUILT, NEEDS TO BE INSTALLED; STBD TED HAS CRACKS ALONG BOTTOM MARGIN ~24" ON EITHER SIDE FROM CENTER. SINCE AFT LANDER IS UNSAFE, IT IS USUALLY INSPECTED FOR SAMPLE FROM CATWALK. SECT 4 APPROVED ON 9TH, DUG SECT 5 UNTIL 1-10. AT THIS TIME, USACE NEEDED FROM +40 TO +60 WORKED SO THIS EXTENSION WAS DUG WITH SECT 5. NO TURTLES OR PARTS SAMPLED THIS WEEK. THE LANDERS COLLECTED LINE, SKIMMER COLLECTED THE USUAL WOOD, PLASTIC TRASH BAGS, 5 GAL & GALLON JUGS, DISCARDED CLOTHING, CARPET, LINE, ALUM. CANS, MONOFILAMENT. BIOLOGIC SAMPLES INCLUDED WOOD, WHELF EGGS, A SHARK (UNIDENTIFIED), BLUE & SPIDER CRABS, CUTLASS FISH, CATFISH, JELLYFISH, EELS, A BAR JACK, FLOUNDER, MACRO-ALGAE. SAMPLING PROCEEDS AS NORMAL, INSPECTING BASKETS & OVERFLOW ON WAY TO DUMP, LANDERS AFTER DUMP & FLUSH. NO PROBLEM W/ CLAY RETENTION IN LANDERS. MATERIAL SILT & CLAY

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<u>TURSIOPS TRUNCATUS</u>	<u>4</u>	<u>35</u>	<u>IN & AROUND JETTIES & IN BOW WAKE. 2 IMMATURES & SEEN IN BOW WAKE W/ 5 OTHER ADULT.</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observers On Duty: C MASON, M PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 1 / 14 / 96

Loads: 777 → 792

Area(s) Worked: 40+00 → 60+00

Weather Conditions: wind = 4-15 kt, N → S → W, sky = partly cloudy → clear, seas = 2-5'

Range of H₂O Temperature: Surface 60°F Below Mid-Depth _____

Condition of all screening apparatus: Starboard TED has crack in bottom, skimmer needs replacement, floor of Aftlander needs welding, all else=okay.

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

Comments (type of material being dredged, biological specimens, etc.): _____

Materials retained by screening were: clay, trash, rocks, fishing line, steel rod, logs, whelk eggs, oysters, cutlassfish, trout; Blue Crab - 2, Spider Crab - 1.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: M. PIERCY, C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 1 / 15 / 96 Loads: 793-795

Area(s) Worked: 40+00 → 60+00

Weather Conditions: Wind = 5-10 kt E → NW, sky = clear, seas = 2-4'

Range of H₂O Temperature: Surface 57°F Below Mid-Depth _____

Condition of all screening apparatus: Starboard TED has crack in bottom, skimmer needs replacing, floor of Aftlander needs welding, all else okay.

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

Comments (type of material being dredged, biological specimens, etc.): _____

Materials retained in screening were: clay, trash, wood, whelk eggs, rocks.
Ouachita docked at Brazos Harbor at 0620 to repair starboard impeller on dredge pump. Left dock at 0624 on 1/16/96 to return to dredge section 5B. (40+00 → 60+00).

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: M. PIERCY, C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

DAILY REPORT

Date: 1 1 16 196

Loads: 796

Area(s) Worked: 40+00 → 60+00

Weather Conditions: wind = 8 kt S, sky = foggy → clear, seas = 1-2'

Range of H₂O Temperature: Surface _____ Below Mid-Depth _____

Condition of all screening apparatus: Cracks in bottom of Starboard TED, skimmer needs replacement, floor of Aftlander needs welding, all other screening is in good shape.

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

Comments (type of material being dredged, biological specimens, etc.): _____

This was the final load for the project. The USACE approved the final section at 13:45. Both observers were off Dredge *Ouachita* by 14:00, when the crew boat was loaded on to the dredge and left for Florida. Materials retained by the screening apparatus were: wood, trash, fishing line, shrimp net, rocks, clay, whelk eggs and Cutlassfish - 2.

Bridge Watch Summary

Species	No. of Sightings	No. of Animals	Comments
<u>Turstop <i>truncatus</i></u>	<u>1</u>	<u>3</u>	<u>breaching near dump site.</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: M. PIERCY, C. MASON