

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

Bridge Watch Summary

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

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

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/ BINOC'S 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 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, 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

Table with 4 columns: Species, No. of Sightings, No. of Animals, Comments. Row 1: 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: 12/10/95 - 12/16/95 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 - 130700 → -80700
SECT 3 - -80700 → -40700
SECT 4 - 40700 → ∅

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 S. 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>TURSTOPS 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: ~~222~~ - 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 X

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>	<u>1</u>	<u>1</u>	<u>at dumpsite.</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, 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 SCRIN 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>Tursiops truncatus</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 ICUT 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: 12 124 195 : Loads: 468-481
Area(s) Worked: -20 to 0 → +40 to 0
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 @ BRAZOS 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} 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 MUD 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>Tursiops truncatus</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 & STAR 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 HBR 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. SIAURUS TRUNCATUS</u>	<u>5</u>	<u>20</u>	<u>AROUND JETTIES FEEDING</u>
<u>BLACK LEGGED KITTWAKE</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 = 25-30 Kt, 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 - Flounder 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>Tursiops truncatus</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

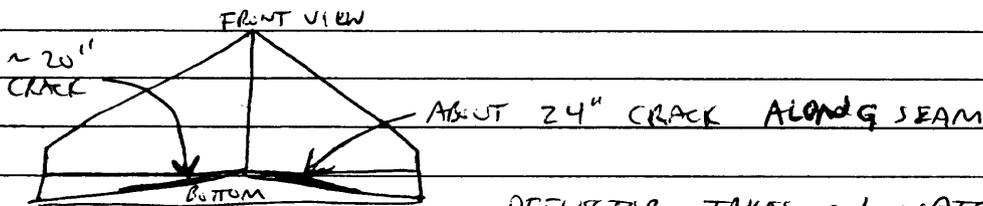
Dredge *Ouachita* - Freeport, TX
Gulf Coast Trailing Co./USACE, Galveston District

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.
(OBSTRUCTIONS)

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. satellite.

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