

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA - Sabine Pass, TX

Weeks Marine / USACE, Galveston

1998

First Day

DAILY REPORT

Date: 8 / 22 / 98

Loads: 1-21

Area(s) Worked: Section 2 - Stations 100+00 to 150+00 Lat. 29° 36.5' N

Weather Conditions: Overcast, winds SE 20 kts, seas 3-4' Lon. 93° 48.5' W

Range of H₂O Temperature: Surface 28°C / 82°F Below Mid-Depth 28°C / 82°F

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.):

Material dredged is a gray, slick, silty mud.

No biological material was found, only sparse amounts of trash.

The screening is 100% for inflow and overflow. There is 4" x screening on the 3 inflow boxes, the skimmer and the 2 mesh boxes for the overflow. The TED's are in place, and the dredge like the other components are checked every load 24 hours a day.

The area being dredged is 1/2 mile on either side of buoy "31" in the Sea Breeze Channel. The dump is just west of buoy "29". A new load is started every 35-40 minutes.

Water temperature is taken at 0800, 1600, and 2400, near buoy "31". This is about 4-5 miles south of Texas Point.

Observers came aboard at 1200 8/21/98. Digging commenced 1100 8/22/98.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Bottlenose Dolphin	10-12	30-35	in channel and dumpsite.
Tursiops truncatus (Tt)			

Observer(s) On Duty: Peter Westerman, Heather Payne

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *OUACHITA* - Sabine Pass, TX

Weeks Marine / USACE, Galveston

1998

DAILY REPORT

Date: 8 / 23 / 98 Loads: 22-61

Area(s) Worked: Section 2 - Stations 100+100 to 150+100

Weather Conditions: Partly cloudy, winds SE 5-8 KTS, seas 1'

Range of H₂O Temperature: Surface 27°C / 81°F Below Mid-Depth 27°C / 81°F

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.):

Material dredged is a soupy thick mud.

No biological material was found.

Water temperature is taken three times a day, but has shown no variation.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Bottlenose Dolphin (7)</u>	<u>7</u>	<u>10-15</u>	<u>buoy "31"</u>

Observer(s) On Duty: P Westerman, H Paige

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA - Sabine Pass, TX

Weeks Marine / USACE, Galveston

1998

DAILY REPORT

Date: 8/24/98 Loads: 62-103

Area(s) Worked: STATIONS 100+00-150+00 LAT: 29° 36.5N LON: 93° 48.5W

Weather Conditions: PARTLY CLOUDY, WINDS SE 5-8KTS, SEAS 1-2FT

Range of H₂O Temperature: Surface 26.5° Below Mid-Depth 26.5°

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.):

MATERIAL DREDGED IS MUD & SILT.

NO BIOLOGICAL SAMPLES WERE FOUND.

ABIOTIC MATERIAL CONSISTS OF NET, LINE, ROPE, & TRASH.

SCREENING & DRAGHEADS CHECKED EVERY LOAD CYCLE WHICH LASTS 28-38 MINUTES.

THE CREW IS EXTREMELY COOPERATIVE WITH OBSERVERS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: HEATHER PAIGE, PETER WESTERMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA - Sabine Pass, TX

Weeks Marine / USACE, Galveston

1998

DAILY REPORT

Date: 8 / 25 / 98 Loads: 104 - 144

Area(s) Worked: Section 2 Stations 100+00 150+00

Weather Conditions: Partly Cloudy, winds SE 5-8 kts, seas 1'

Range of H₂O Temperature: Surface 85°F / 29°C Below Mid-Depth 84°F / 29°C

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.):

Material dredged is a thick mud.

No biological material was found.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Bottlenosed Dolphin (H)	6	12-15	spotted near the dumpsite

Observer(s) On Duty: P. Westerman, H. Paige

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA - Sabine Pass, TX

Weeks Marine / USACE, Galveston

1998

DAILY REPORT

Date: 8 / 20 / 98 Loads: 145 - 183

Area(s) Worked: SEC 2: 100+00 - 150+00 SEC 3: 50+00 - 100+00

Weather Conditions: CLEAR, WINDS SE 5-8 KTS, SEAS 1 FT.

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

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.):

MATERIAL DREDGED IS SILTY MUD.

BIOLOGICAL SAMPLES FOUND ARE VERY FEW - SHARK EYE AND WHELK EGG CASINGS.

ABIOTIC MATERIAL INCLUDES CABLE, ROPE, LINE & TRASH.

THE CREW IS VERY COOPERATIVE WITH OBSERVERS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: HEATHER PAIGE, PETER WESTERMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA - Sabine Pass, TX

Weeks Marine / USACE, Galveston

1998

DAILY REPORT

Date: 8 / 27 / 98 Loads: 184 - 224

Area(s) Worked: section 3 Stations 50⁺⁰⁰ - 100⁺⁰⁰ section 2 10⁺⁰⁰

Weather Conditions: Clear, winds SW 5 kts, seas calm

Range of H₂O Temperature: Surface 86°F / 30°C Below Mid-Depth 84°F / 29°C

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.):

Material dredged is thick mud.

Almost no biological material was found.

Water temperatures vary 1 or 2 degrees per reading depend upon wind conditions and time of day. Temperatures are taken 3-times a day as close to buoy "31" as possible. The lat/lon of this position is 29° 36.5 N and 93° 48.5 W,

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Bottlenosed Dolphin (17)	5	7-9	near the channel by buoy "31".

Observer(s) On Duty: P Westermar, H. Paige

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA - Sabine Pass, TX

Weeks Marine / USACE, Galveston

1998

DAILY REPORT

Date: 8/28/98 Loads: 225-271

Area(s) Worked: SEC 1: STN 150+00-180+00 SEC 2: 100+00-150+00

Weather Conditions: MOSTLY CLEAR, WINDS VARIABLE 5-15KTS, SEAS 1-2FT.

Range of H2O Temperature: Surface 28-29C Below Mid-Depth 28-29C

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.):

MATERIAL DREDGED IS SILT & MUD.

BIOLOGICAL SAMPLES ARE FEW TO ALMOST NONE & INCLUDE AN OCCASIONAL GASTROPOD.

ABIOTIC MATERIAL INCLUDES NET, ROPE, LINE, CABLE ELECTRICAL WIRD & TRASH

WATER TEMPERATURE VARIES BY 1 or 2 degrees & IS TAKEN 3 TIMES A DAY AT LAT/LON: 29 degrees 36.5 N & 93 degrees 48.5 W.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TYRSIOPS TRUNCATUS	ALL DAY	20-30	IN CHANNEL & AT DUMP

Observer(s) On Duty: HEATHER PAIGE, PETER WESTERMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA - Sabine Pass, TX

Weeks Marine / USACE, Galveston

1998

WEEKLY SUMMARY

Dates: 8/22/98 - 8/28/98 Loads: 1-271

Range of H2O Temperature: Surface 26.5°-30° Below Mid-Depth 26.5°-30°c

Area(s) Worked: SEC 2: 100+00-150+00, SEC 3: 50+00-100+00, SEC 1: 150+00-180

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

Comments: MATERIAL DREDGED IS THICK SILTY MUD.

THROUGHOUT THE WEEK BIOLOGICAL SAMPLES HAVE BEEN RARE BUT INCLUDE AN OCCASIONAL GASTROPOD.

ABIOTIC MATERIAL FOUND IN SMALL QUANTITIES IS NET, LINE, ROPE, CABLE, WOOD & TRASH.

WATER TEMPERATURE IS TAKEN 3 TIMES A DAY AT 0000, 0800, & 1600, AS CLOSE TO BOUY 31 AS POSSIBLE AT LAT/LON 29°36.5 N AND 93°48.5 W

MOST OF THE DIGGING HAS OCCURRED IN SEC. 2 WITH INTERMITTENT DIGGING IN SEC 1 & 3.

ALL SCREENS & DRAGHEADS ARE CHECKED EVERY LOAD WHICH LASTS APPROX 24-40 MINS.

AS USUAL THE CREW IS VERY COOPERATIVE WITH OBSERVERS.

Bridge Watch Summary

Table with 4 columns: Species, # of Sightings, # of Animals, Comments. Row 1: TURSIDOPS TRUNCATUS ±30, 60-65, IN & ABOUT CHANNEL & AT DUMPSITE. Row 2: BOTTLENOSE DOLPHIN.

Observers On Duty: HEATHER PAIGE, PETER WESTERMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *OUACHITA* - Sabine Pass, TX

Weeks Marine / USACE, Galveston

1998

DAILY REPORT

Date: 8 / 29 / Loads: 271-303

Area(s) Worked: Sec 1, 150+00 180+00

Weather Conditions: Clear, winds calm, seas calm

Range of H₂O Temperature: Surface 86°F / 30°C Below Mid-Depth 85°F / 30°C

Condition of all screening apparatus: excellent

Are there incidents involving endangered or protected species? Yes No

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

Material dredged is thick mud
No biological material was found

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Bottlenose Dolphin</u> <u>(17)</u>	<u>4</u>	<u>4-6</u>	<u>near the dump</u>
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: P Westerman, H Paige

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA - Sabine Pass, TX

Weeks Marine / USACE, Galveston

1998

DAILY REPORT

Date: 8 / 30 / 1998 Loads: 304-330

Area(s) Worked: Sections 1+2 Stations 50+00 - 180+00

Weather Conditions: Clear winds S 15 Kts waves 1-2'

Range of H₂O Temperature: Surface 31°C / 87°F Below Mid-Depth 29°C / 84°F

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.):

Material dredged is a thick mud

a few gastropods were found all other
debris was trash.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Bottlenose Dolphin	2	8	close to head in the channel

Observer(s) On Duty: P Westerman D. Murless

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA - Sabine Pass, TX

Weeks Marine / USACE, Galveston

1998

DAILY REPORT

Date: 8 / 31 / 98 Loads: 331-352

Area(s) Worked: sections 1+2+3

Weather Conditions: partly cloudy, winds SE 15-20 kts, seas 2-3'

Range of H₂O Temperature: Surface 30°C / 86°F Below Mid-Depth 30°C / 85°F

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.):

Material dredged is thick gray mud.

Almost no biological material was found.

Large amounts of trash have been picked up in the screens and cleaned off periodically.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Ballerused <i>Ally</i>	3	8	near the dumpsite

Observer(s) On Duty: P. Westerman D. Mulless

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA - Sabine Pass, TX

Weeks Marine / USACE, Galveston

1998

DAILY REPORT

Date: 9 / 1 / 98 Loads: 353-378

Area(s) Worked: Sections 1, 2, 3

Weather Conditions: clear - partly cloudy, no rain, winds 15-20kts SE-NE 1/4, 2-5 ft sea

Range of H₂O Temperature: Surface 31°C Below Mid-Depth 29°C

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.):

Dredged material is thick mud.

Almost no biological material was found. One 2 ft cutfish and one menhaden (10") were observed in the overflow screen.

Trash was observed regularly.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Doug Murlless, P. Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

~~EDGE MERRITT~~ - Sabine Pass, TX

Dredge Ouachita

USACE, Galveston - 1998

DAILY REPORT

Date: 9 / 2 / 98 Loads: 379-399

Area(s) Worked: Sections 1-3

Weather Conditions: Scattered clouds - clear, no rain, seas 1-4 ft, wind NE'ly 16-20 kts

Range of H₂O Temperature: Surface 31°C Below Mid-Depth 30°C

Condition of all screening apparatus: Good

Are there incidents involving endangered or protected species? Yes No

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

Dredged material was thick mud.

Almost no biological activity was observed.

A single 10" menhaden was found.

All other samples were trash.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>I.t. Bottlenosed Dolphins</u>	<u>1</u>	<u>15-20</u>	<u>at Buoy 31</u>

Observer(s) On Duty: Doug Murlless, P. Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA - Sabine Pass, TX

Weeks Marine / USACE, Galveston

1998

DAILY REPORT

Date: 9/13/98 Loads: 400-414

Area(s) Worked: Sections 1, 2, 3, and 4

Weather Conditions: Scattered clouds and hazy-clear skies, calm seas, no rain, N-S winds 1-16

Range of H2O Temperature: Surface 30°C Below Mid-Depth 29°-30°C

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.):

Dredged material was thick mud.

Almost no biological material was found. Samples included a blue crab, moon snails and oysters.

Trash was observed regularly.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
I.t. Bottlenosed Dolphins	3	5	All animals were at or inside the jetty.

Observer(s) On Duty: Doug Murlless, Charlotte Cates

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA - Sabine Pass, TX

Weeks Marine / USACE, Galveston

1998

DAILY REPORT

Date: 9 / 4 / 98 Loads: 415-442

Area(s) Worked: Sections 3 and 4

Weather Conditions: clear sky, calm - 2ft seas, no rain, winds S'y 6kts - N'y 5kts

Range of H₂O Temperature: Surface 30°-32° C Below Mid-Depth 30°-32° C

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.):

Dredged material was light to heavy mud.

Biological material was light. One catfish and one whelk were found.

Trash was observed regularly.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T.t. Bottlenosed Dolphins	3	9	All within or at mouth of Jetty.

Observer(s) On Duty: Doug Murlless / Charlotte Cates

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA - Sabine Pass, TX

Weeks Marine / USACE, Galveston

1998

DAILY REPORT

Date: 9, 5, 196 Loads: 443-469

Area(s) Worked: Sections 3,4

Weather Conditions: Partly-mostly cloudy, no rain, Seas 1-5 ft, Winds NE 14kt, E 16-30 Kts, SE 10-20

Range of H₂O Temperature: Surface 31°-30° C Below Mid-Depth 30°-29° C 5-12kt

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.):

Dredged material was again light to heavy mud.

Biological material was increased substantially over previous days. The areas in which more biological take was observed were inside the Jetty.

Samples include one 2.5 ft shark, 4 large catfish, 2 whiting, several gallons of oysters, one large clam, 4 female blue crabs and one fully gravid female blue crab. Many other undistinguishable dead fish were seen.

Trash loads also increased within the jetty.

No endangered species incidents were observed.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Bottlenose Dolphins	5	14	Most in or near Jetty.

Observer(s) On Duty: Doug Murless, Charlotte Cates

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA - Sabine Pass, TX

Weeks Marine / USACE, Galveston

1998

DAILY REPORT

Date: 9/16/98 Loads: 470-493

Area(s) Worked: Section 3

Weather Conditions: Overcast - cloudy, no rain - squalls, Seas 1-3 ft, Wind NE 1/4 - SE 1/4 7-30 kts

Range of H₂O Temperature: Surface 31°-30° C Below Mid-Depth 27°-30° C

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.):

Dredged material was light to heavy mud.

Biological material included 5 blue crabs, clams, oysters, snails, sea grass, and a tarpin.

Trash was regularly observed.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. + Bottlenose Dolphins	1	1	Riding bow of tanker.
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: Doug Murlless, Charlotte Cates

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *OUACHITA* - Sabine Pass, TX

Weeks Marine / USACE, Galveston

1998

WEEKLY SUMMARY

Dates: 8 / 31 / 98 - 9 / 6 / 98 Loads: 331-493

Range of H₂O Temperature: Surface 30-32°C Below Mid-Depth 29-30°C

Area(s) Worked: Sections 1-4

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

Comments: Dredged Material was light to heavy mud.

Biological material included 11 blue crabs, gallons of oysters, several clams, moon snails, sea grass, one tarpin, 2 whiting, 3 Catfish, menhaden, whelks, a 2.5 ft shark and many other unidentified fish.

Trash was observed regularly including plastic bags, pails, rope and lids. Steel cables and scrap metal were also observed. Fishing and shrimping nets were also regularly dredged as well as clothing.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>I.t. Bottlenosed Dolphins</u>	<u>16</u>	<u>57</u>	<u>Many at mouth or inside Jetty.</u>

Observers On Duty: Doug Murlless, Pete Westerman, Charlotte Cates

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA - Sabine Pass, TX

Weeks Marine / USACE, Galveston

1998

DAILY REPORT

Date: 9/7/98 Loads: 494-514

Area(s) Worked: Sections 3 & 4

Weather Conditions: Mostly Cloudy, variable wind 12-27 kts, seas 2-5'

Range of H2O Temperature: Surface 29-30°C Below Mid-Depth 29°C

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.):

Dredge material is silt with little clay. Biological samples include; oysters, blue crab, sea grass and clams. Abiotic samples include; line, net, rope, wood, toothbrush, electric wire, cloth, shoes, plastic jugs, metal scrap and sponge. All equipment and screening intact and fully functional.

There were no incidents involving endangered species.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<i>Tursiops truncatus</i>	3	12	

Observer(s) On Duty: Charlotte Cates, Doug Murlless

ENDANGERED SPECIES OBSERVER PROGRAM

OUACHITA

Dredge ~~MERMENTAU~~ - Sabine Pass, TX
USACE, Galveston - 1998

DAILY REPORT

Date: 9 / 8 / 98 Loads: 515-525

Area(s) Worked: Sections 3, 4, 5

Weather Conditions: Mostly Cloudy, variable wind 20-30 kts, seas 3-7'

Range of H₂O Temperature: Surface 31°C Below Mid-Depth 30°C

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.):

Dredge material is silt with some clay. Biological samples light and include; flounder, oysters, blue crab, several fish. Abiotic samples include; large nets, cable, crab traps, line, net, rope, shoes, cloth, tin cans, plastic jugs, oil filters, ribbon, mesh bags and other assorted trash. All equipment and screening intact and fully functional.

There were no incidents involving endangered species.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tucosops truncatus</u>	<u>5</u>	<u>55</u>	

Observer(s) On Duty: Charlotte Cates, Doug Murlless

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge OJACHITA - Sabine Pass, TX
Weeks Marine / USACE, Galveston
1998

DAILY REPORT

Date: 9 / 9 / 98 Loads: 526-532
Area(s) Worked: Sections 4 & 5
Weather Conditions: Mostly Cloudy, NE by wind 16-20kts, seas 7'
Range of H₂O Temperature: Surface 31°C Below Mid-Depth 30°C
Condition of all screening apparatus: Good

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.):
Dredge material is silt with little clay. Biological specimens light and include; oysters, jellyfish, clams, catfish and crabs. Trash samples include; line, net, ropes, plastic bags, wood and cable. All equipment and screening intact and fully functional.

There were no incidents involving endangered species.

Dredging ceased after load 532 at 1805 hours due to weather, dredge at that time went to anchor.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Turris turris</u>	<u>7</u>	<u>19</u>	

Observer(s) On Duty: Charlotte Carter, Doug Maulless

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA - Sabine Pass, TX

Weeks Marine / USACE, Galveston

1998

DAILY REPORT

Date: 9 / 12 / 98 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.): _____

Dredge at anchor due to weather.

Bridge Watch Summary

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

Observer(s) On Duty: Charlotte Cates, Doug Muelless

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *OUACHITA* - Sabine Pass, TX
Weeks Marine / USACE, Galveston
1998

DAILY REPORT

Date: 9 / 13 / 95 Loads: 533-534
Area(s) Worked: Sections 4+5
Weather Conditions: Overcast, variable wind 1-20 kts, seas 3-4'
Range of H₂O Temperature: Surface 25°C Below Mid-Depth 25°C
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.):
Dredging began at 11:55 in sections 4+5. Dredge material is silt with some clay. Biological samples consist of: catfish, flounder, red drum and other small fish, sea weeds. Trash samples light and include; line, rope, mesh bag, cable, rock and plastic jugs.

All equipment and screening intact and fully functional.

There were no incidents involving endangered species.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u><i>Tursiops truncatus</i></u>	<u>2</u>	<u>28-38</u>	

Observer(s) On Duty: Charlotte Cates, Doug Millers

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA - Sabine Pass, TX

Weeks Marine / USACE, Galveston

1998

WEEKLY SUMMARY

Dates: 9/7/98 - 9/13/98

Loads: 494-534

Range of H₂O Temperature: Surface 25-31°C

Below Mid-Depth 25-30°C

Area(s) Worked: Sections 3,4,5

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

Comments: Dredge material is silt with some clay. Biological samples include: oysters, blue crabs, clams, jellyfish, catfish, flounder, red drum and other small fish. Abiotic samples include: line, net, rope, cable, wood, plastic, metal scrap, shoes, cloth, electric wire, tin cans, oil filters and other assorted trash.

Dredge was at anchor 9-10-98 to 9-12-98. Due to weather.

There were no incidents involving endangered species.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tursiops truncatus</u>	<u>17</u>	<u>114-124</u>	

Observers On Duty: Charlotte Cates, Doug Muilless

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge OUACHITA - Sabine Pass, TX
Weeks Marine / USACE, Galveston
1998

DAILY REPORT

Date: 9, 14, 98 Loads: 535-549

Area(s) Worked: Sections 4-5

Weather Conditions: Partly cloudy - Overcast, no rain - heavy squalls, Seas 2-5ft, Wind SE-ESE 11-12 K

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

Condition of all screening apparatus: Good

Are there incidents involving endangered or protected species? Yes No

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

Dredged material was light to heavy muds.

Biological material included lots of brackish water vegetation, 2 sea gulls, 8 blue crabs, 7 flounder, 4 tarpin, 3 catfish, oysters, 1 rock shrimp, 1 eel and an old probable dolphin skull in bad shape.

Trash was regularly observed.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T.t. Bottlenosed Dolphins</u>	<u>10</u>	<u>60</u>	<u>Most at mouth or inside jetty.</u>

Observer(s) On Duty: Doug Murlless, Charlotte Cates

DAILY REPORT

Date: 9, 15, 1998 Loads: 550-566
Area(s) Worked: Sections 5
Weather Conditions: overcast-cloudy, no rain-heavy squall, Seas 3-4ft, Wind E-SE'y 10-20kts
Range of H₂O Temperature: Surface 26°C Below Mid-Depth 25°C
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.):

Dredged material was light to heavy mud.
Biological material included vegetation, oysters, whelk,
2 flounders, 4 eels, 4 bluecrabs, 22 menhaden, 1 bird,
and 2 catfish.
Trash was regularly observed.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T.T. Bottlenosed Dolphins</u>	<u>4</u>	<u>32</u>	<u>Inside or at mouth of Jetty.</u>

Observer(s) On Duty: Doug Murlless, Charlotte Cates

DAILY REPORT

Date: 9, 16, 98 Loads: 567-582
Area(s) Worked: SECTION 5 (SOME OF SECTION 4)
Weather Conditions: HAZY - Pky CLOUDY, SEAS 3-6ft, WIND NE 15-25Kts
Range of H₂O Temperature: Surface _____ Below Mid-Depth _____
Condition of all screening apparatus: GOOD CONDITION - ALERTED BY PREVIOUS
OBSERVER THAT THE OVERFLOW LIGHT IS NOT WORKING.

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

Comments (type of material being dredged, biological specimens, etc.):
JUDD KLEMENT & STEVE PETER REPLACED
OBSERVERS AT ~ 0700. SAME REASONS EXPLAINED
USED EQUIPMENT SHOWED.

THE MAJORITY OF THE MATERIAL BEING DREDGED
IS SILT. THE BIOLOGICAL SPECIMENS COLLECTED
WERE MANTIS SHRIMP, SHRIMP, CRAB, FISH
BYCATCH, MUD DAUN, BLUE CRAB, CATFISH, WOOD
& LIMESTONE

THE TRASH CONSISTED OF ROPS, NETTING, MATS,
CLOTHING, RUBBER GEAR.

NO INCIDENTS INVOLVING ENDANGERED SPECIES.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>[Signature]</u>	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: Judd Klement

DAILY REPORT

Date: 09 / 17 / 98 Loads: 583-592
 Area(s) Worked: SECTION 5 (some of SECTION 4)
 Weather Conditions: CLEAR w some clouds, SEAS 2-6ft WINDS N NE 15-25KTS
 Range of H₂O Temperature: Surface NA Below Mid-Depth NA
 Condition of all screening apparatus: GOOD CONDITION

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

Comments (type of material being dredged, biological specimens, etc.):
THE MAJORITY OF THE MATERIAL BEING DREDGED
WAS SILT WITH SOME CLAY BALLS. THE BIOLOGICAL
SPECIMENS FOUND WERE BYCATCH, OLD TURTLE CARAPACE, FLOUNDER,
CATFISH, LUNATE FISH TAIL (LARGE), AND SEA GRASS.
THE TYPE OF TRASH COLLECTED WAS SHRIMPING GEAR,
ROPE, CABLES, CHAINS, RIPS, WOOD, CANS & OTHER
HOUSEHOLD TRASH.

TOOK NO WWT TEMPERATURE (SURFACE OR MID
DEPTH) BECAUSE OF CONSISTENT ACTION BY THE SHIP.
NO ENDANGERED SPECIES WERE OBSERVED

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>H</u>	<u>2</u>	<u>35</u>	<u>observed in the water near</u> <u>the dredge</u>

Observer(s) On Duty: JUDY ALLEN / STEVE LIT

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge OUACHITA - Sabine Pass, TX
Weeks Marine / USACE, Galveston
1998

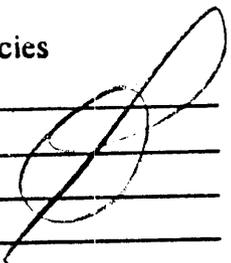
DAILY REPORT

Date: 9 / 18 / 98 Loads: 593 - 596
 Area(s) Worked: SECTION 5
 Weather Conditions: CLEAR -> Pt cloudy, seas 2-4ft, winds NE 10-20kts
 Range of H₂O Temperature: Surface NA Below Mid-Depth NA
 Condition of all screening apparatus: EXCELLENT CONDITION, SCREENS WERE
REMOVED DUE TO DAMAGE TO FRAME

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.):
THE DREDGE WAS TAKEN FROM
STATION - 2021. ALL SCREENS WERE COMPLETELY
CHECKED.
THE MAJORITY OF THE MATERIAL BEING DREDGED
WAS WASTE OF SOME KIND.
THE BIOLOGICAL SPECIMENS COLLECTED WERE
SMALLER, FISHES, SHELLS. THE WASTE CONSISTED
OF PLASTIC WASTE, METAL, AND OTHER MATERIALS
IN HOME HOLD WASTE.
NO ENDANGERED OR PROTECTED SPECIES
WAS OBSERVED.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			

Observer(s) On Duty: Judd

ENDANGERED SPECIES OBSERVER PROGRAM

edge OUACHITA - Sabine Pass, TX

Weeks Marine / USACE, Galveston

1998

DAILY REPORT

Date: 09/19/98 Loads: 594-605

Area(s) Worked: SECTIONS 3-5

Weather Conditions: CLEAR SEAS 2-4 FT WIND NE 15-25 KTS

Range of H2O Temperature: Surface 82° Below Mid-Depth NA

Condition of all screening apparatus: GOOD CONDITION

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

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

THE MAJORITY OF THE MATERIAL CONSISTED OF SOME SILT W/ SOME CLAY. BYCATCH FLOUNDER, STINGRAY GRASS

NO ENDANGERED SPECIES WERE SIGHTED TODAY

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: [Signature]

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge **OUACHITA** - Sabine Pass, TX
 Weeks Marine / USACE, Galveston
 1998

DAILY REPORT

Date: 09 / 20 / 98 Loads: 606-620
 Area(s) Worked: SECTIONS 3, 4 & 5
 Weather Conditions: CLEAR, WINDS WNW @ 15 KTS, SEAS 1-4 FT
 Range of H₂O Temperature: Surface _____ Below Mid-Depth _____
 Condition of all screening apparatus: GOOD CONDITION

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

Comments (type of material being dredged, biological specimens, etc.):
THE MATERIAL DREDGED WAS SILT W/ CLAY
THE BIOLOGICAL SPECIMENS WERE CATFISH, FLOWN
PUFFER FISH, STING RAY, CRABS. THE DREDGE CONTAINED
OF HOUSEHOLD GARBAGE, ROPE, IRON, CABLE, PLASTIC
& METAL SCRAP.
NO ENDANGERED SPECIES WERE SIGHTED.
WENT A DAY TO SPEND A 3-DAY

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>H</u>	<u>4</u>	<u>~60</u>	<u>WENT AROUND THE JETTIES</u> <u>AND INTO THE CHANNEL.</u>

Observer(s) On Duty: JUDY KLUMPT / STEVE PITE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA - Sabine Pass, TX

Weeks Marine / USACE, Galveston

1998

WEEKLY SUMMARY

Dates: 09 / 14 / 98 - 09 / 20 / 98

Loads: S35-620

Range of H₂O Temperature: Surface 26°C

Below Mid-Depth 25°C

Area(s) Worked: SECTIONS 5, 4, 3

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

Comments: OBSERVES JUDD KLEMENT & STEVE PETE REPLACED THE OBSERVERS ON 09/16/98. ~~TO~~ WE WERE SHOWN THE DIFFERENT CAGES & EXPLANATIONS ON DREDGE EQUIPMENT.

THE MATURITY OF THE MATERIAL TAKEN WAS SILT w/ some clay. THE BIOLOGICAL SPECIMENS WERE SEA GULLS, blue crabs, FLOWNER, SHRIMP, TURPIT, CATFISH, OYSTERS, eel, MENHADEN, STINGRAY & LOTS OF BYCATCH.

THE ABIOTIC SAMPLES WERE OLD TRAWLING NETS, CABLES, WIRES, HOUSEHOLD Garbage, BOAT FIBERGLASS & PLASTIC.

There were NO INCIDENTS THAT INVOLVED ENDANGERED SPECIES.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T+	20	187	PLAYING AROUND JETTIES, IN THE CHANNEL & RUNNING ON THE BOW OF INCOMING & OUTGOING SHIPS.

Observers On Duty: JUDD KLEMENT / ~~JUDD~~ STEVE PETE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA - Sabine Pass, TX

Weeks Marine / USACE, Galveston

1998

DAILY REPORT

Date: 09/1/98 Loads: 621 - 638

Area(s) Worked: SECTION 5 & SOME OF SECTION 4

Weather Conditions: CLEAR, SEAS 1-3 FT, WINDS NW W 5-20 KTS

Range of Temperature: Surface NA Below Mid-Depth NA

Condition of Screening apparatus: GOOD CONDITION

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

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

THE MAJORITY OF THE MATERIAL BEING DREDGED IS SILT W/ SOME CLAY BANKS.

THE BIOLOGICAL SPECIMENS FOUND WERE SHRIMP, & SILKY SHEEPSHEAD, OLD CARABID BONE, CONCH SHELLS, MENTHEDEN, FLAMINGO,

VARIOUS TYPES OF GRASS. TRASH TAKEN CONSISTED OF TRAWLING NETS, CABLE, WOOD, HOUSEHOLD WASTE, CLOTHES

WASTE, RUBBER GLASS/PLASTIC.

THERE WERE NO INCIDENTS INVOLVING ENDANGERED SPECIES.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
H	3	21	PLAYING AROUND JETTIES, BOWS OF BOATS AND IN THE CHANNEL

Observer(s) Duty: JUDD KLEMENT / STEVE PETE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA - Sabine Pass, TX

Weeks Marine / USACE, Galveston

1998

DAILY REPORT

Date: 09/22/93 Loads: 639-653

Area(s) Worked: SECTIONS 5, 4, 3

Weather Conditions: clear, SEAS 1-3 ft, WINDS WNW S - 15 kts

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

Condition of all screening apparatus: GOOD SHORTENED TRANSITS ALLOW FOR INCOMPLETE CLEANING OF CAGES

Are there incidents involving endangered or protected species? Yes No [checked]

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

THE MAJORITY OF THE MATERIAL BEING DREDGED WAS SILTY WATER w/ SOME BALLS OF CLAY.

THE BIOLOGICAL SPECIMENS FOUND WERE OYSTER SHELLS, WOOD, BYCATCH & TARPIT.

TRASH WAS REMOVED EVERY CLEANING.

THERE WERE NO INCIDENTS INVOLVING ENDANGERED SPECIES

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
IT	1	1	AROUND JETTIES

Observer(s) On Duty: JUDG KLEMENT / STEVE PETE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA - Sabine Pass, TX

Weeks Marine / USACE, Galveston

1998

DAILY REPORT

Date: 09/23/98 Loads: 60SA - 667

Area(s) Worked: SECTION 4

Weather Conditions: CLEAR, SEAS 2-4 ft, WIND 5-10 mph

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

Condition of all screening apparatus: GOOD CONDITION

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

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

THE MAJORITY OF THE MATERIAL DREDGED WAS SILT W/ SOME CLAY. THE REMAINING MATERIAL WAS WOOD, BYATCH, MANNAGRAM, AND GRASS.

TOTAL WOOD LOAD WAS 100 LBS.

THERE WERE NO INCIDENTS INVOLVING ENDANGERED SPECIES.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TH	1	5	② SOCIALIZING

Observer(s) On Duty: JIM KILPATRICK / STEVE BATE

DAILY REPORT

Date: 09 124 198 Loads: 668 - 689
 Area(s) Worked: SECTION 4, S, #1A
 Weather Conditions: CLEAR, SEAS 2-4 FT, WINDS LIGHT
 Range of H₂O Temperature: Surface 28°C Below Mid-Depth N/A
 Condition of all screening apparatus: GOOD CONDITION

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.):
SECTION 3 WAS APPROVED BY ARMY CORP. Possibly
TWO MORE SECTIONS ADDED TO CONTRACT. THE
MAJORITY OF THE MATERIAL BEING DREDGED WAS
SILT W/ SOME CLAY
BIOTIC SPECIMENS INCLUDED, menhaden, wood, several
types OF GRASS, AND OTHER BRUSH. Abiotic MATERIAL
CONSISTED OF HOUSEHOLD GARBAGE, plastic & fiberglass
BOAT PIECES, NETS & CABLES
THERE WERE NO INCIDENTS INVOLVING ~~THE~~ ENDANGERE
SPECIES.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T+</u>	<u>4</u>	<u>15</u>	<u>SOCIALIZING @ jetties AND</u> <u>RIDING BOWS OF SHIP'S WAKE</u>

Observer(s) On Duty: JUDD KLEMENT / STEVE PETE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge OUACHITA - Sabine Pass, TX
Weeks Marine / USACE, Galveston
1998

DAILY REPORT

Date: 09/25/98 Loads: 690 - 707
Area(s) Worked: SECTIONS 5 & 1A
Weather Conditions: CLEAR, SEAS 2-6 FT WINDS INCREASING TO 20 KTS
Range of H₂O Temperature: Surface 28°C Below Mid-Depth N/A
Condition of all screening apparatus: GOOD CONDITION, EQUIPMENT STAYING CLEAN

Are there incidents involving endangered or protected species? Yes No

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

THE MAJORITY OF THE MATERIAL BEING DREDGED WAS SILT w/ SOME CLAY.

BIOTIC MATERIAL FOUND WAS BRICATCH, GRASS, WOOD, ^{shell}
Abiotic includes household garbage, plastics, NETS, CABLES, & CHAINS.

THERE WERE NO INCIDENTS INVOLVING ENDANGERED SPECIES.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T+</u>	<u>1</u>	<u>5</u>	<u>SOCIALIZING</u>

Observer(s) On Duty: JUD KLEMENT / STEVE TETE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA - Sabine Pass, TX

Weeks Marine / USACE, Galveston

1998

DAILY REPORT

Date: 09 / 26 / 98 Loads: 708 - 722

Area(s) Worked: SECTIONS 5 & 1A

Weather Conditions: CLEAR -> PHy cloudy, ENE winds 10-25 kts, seas 2-6 ft

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

Condition of all screening apparatus: GOOD CONDITION

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

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

THE MAJORITY OF THE MATERIAL BEING DREDGED WAS SILT w/ some clay. THE SEA WAS TOO ROUGH FOR TEMPERATURES

BIOLOGICAL SPECIMENS INCLUDE: eel, MENHADEN, GRASS, COYAH SHELLS & WOOD.

TRASH WAS CONSISTENT FOR EVERY LOAD.

THERE WERE NO INCIDENTS INVOLVING ENDANGERED SPECIES

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T+	2	30+	AROUND SETTLES OR WATER PLANK ON BOWS OF SHIPS

Observer(s) On Duty: JUDD KLEMENT / STEVE PETE

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge **OUACHITA** - Sabine Pass, TX
 Weeks Marine / USACE, Galveston
 1998

DAILY REPORT

Date: 09/27/98 Loads: 723 - 744
 Area(s) Worked: SECTIONS 5 & 1A
 Weather Conditions: CLEAR WINDS NNE 10-20 KTS, SW 2-4 FT
 Range of H₂O Temperature: Surface 28 °C Below Mid-Depth NA
 Condition of all screening apparatus: GOOD CONDITION

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

Comments (type of material being dredged, biological specimens, etc.):
THE MAJORITY OF THE MATERIAL BEING DREDGED WAS
SILT W/ SOME CLAY
BIOLOGICAL SPECIMENS FOUND WERE FLOUNDER, WOOD, GRASS
BYCATCH. TRASH WAS CONSISTENT WITH EVERY LOAD
THERE WERE NO ENDANGERED SPECIES SEEN TODAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T+</u>	<u>2</u>	<u>10</u>	<u>SOCIALIZING AROUND JETTES</u> <u>AND IN CHANNEL</u>

Observer(s) On Duty: JUDIP KLEMENT / STEVE PETE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge OUACHITA - Sabine Pass, TX
Weeks Marine / USACE, Galveston
1998

DAILY REPORT

Date: 09 / 28 / 98 Loads: 745 - 783
Area(s) Worked: SECTION 1A
Weather Conditions: clear, seas 2-5ft, winds NNE 5-20kts
Range of H₂O Temperature: Surface 28°C Below Mid-Depth NA
Condition of all screening apparatus: GOOD CONDITION

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

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

THE MAJORITY OF THE MATERIAL BEING DREDGED WAS SILT.
BIOTIC SPECIMENS FOUND WERE GRASS, CLEARNOSE SKATE, CRAB,
FLOUNDER, ? BYATCH. ABIOTIC MATERIAL (GROSS) CONSISTED OF
HOUSEHOLD GARBAGE, NETS, CAGES, WIRE, CHAIN, PLASTICS, FIBERGLASS,
HOOKS, ? FILTERS.

THERE WERE NO INCIDENTS INVOLVING ENDANGERED SPECIES.

ONE CUT CYCLES LEAD TO CLEAN SCREENING AND
NOT MUCH DEBRIS

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T+</u>	<u>1</u>	<u>2</u>	<u>IN SECTION 1A</u>

Observer(s) On Duty: JUDD KLEMENT / STEVE TETE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge OUACHITA - Sabine Pass, TX
Weeks Marine / USACE, Galveston
1998

DAILY REPORT

Date: 09/29/98 Loads: 784 - 815
Area(s) Worked: SECTIONS 1A & 2A
Weather Conditions: CLEAR, SEAS 2-4 FT, WIND = NNW 10-15 KTS
Range of H₂O Temperature: Surface 28°C Below Mid-Depth NA
Condition of all screening apparatus: GOOD CONDITION

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

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

THE MAJORITY OF THE MATERIAL BEING DREDGED
WAS SILT & CLAY
THE BIOLOGICAL SPECIMENS FOUND WERE MONITORING,
FLOUNDER, CLEARNOSE SCOTE & OTHER BYCATCH.
TRASH WAS CONSISTENT WITH EVERY LOAD INCLUDING
LOTS OF PLASTIC BAGS, CABLES, ANCHOR CHAIN, & NETS
THERE WERE NO INCIDENTS INVOLVING ENDANGERED
SPECIES.
LOAD TURN AROUND TIME 30 MIN.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TH</u>	<u>1</u>	<u>3</u>	<u>ON BOW OF SHIP</u>

Observer(s) On Duty: JUDD KLEMENT / STEVE PETE

DAILY REPORT

Date: 09 / 30 / 98 Loads: 816 - 844
Area(s) Worked: SECTIONS 1A ? 2A
Weather Conditions: CLEAR, SEAS 2-4 ft, WINDS N 5-15 KTS
Range of H₂O Temperature: Surface 27°C Below Mid-Depth NA
Condition of all screening apparatus: GOOD CONDITION

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

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

THE MAJORITY OF MATERIAL WAS CLAY. CLEAN-UP IN SECTION 1A MAKES FOR LESS MATERIAL IN CAGES.

THE BIOLOGICAL SPECIMENS FOUND WERE MACKEREL, FLOUNDER, GRASS ? LOGRATCH ? WOOD

THERE WAS ~~NO~~ TRASH CONSISTENT WITH EVERY LOAD. THE MAJORITY OF THE TRASH ~~WAS~~ = PLASTIC, w/ some FIBERGLASS, NETTING, CABLE, CHAIN ? HOUSEHOLD GARBAGE

THERE WERE NO INCIDENTS INVOLVING ENDANGERED SPECIES

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>It</u>	<u>1</u>	<u>3</u>	<u>IN CHANNEL</u>

Observer(s) On Duty: JUDD KLEMENT / STEVE PETE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge OUACHITA - Sabine Pass, TX
Weeks Marine / USACE, Galveston
1998

DAILY REPORT

Date: 10 / 01 / 98 Loads: 845 - 864
Area(s) Worked: SECTIONS 1A & 2A
Weather Conditions: CLEAR, SEAS 1-3ft, WINDS NW 0-10kts
Range of H₂O Temperature: Surface 27 °C Below Mid-Depth NA
Condition of all screening apparatus: GOOD CONDITION

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

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

THE MAJORITY OF THE MATERIAL DREDGED WAS ~~SAND~~ SILT
WITH SMALL AMOUNTS OF CLAY.

BIOLOGICAL SPECIMENS FOUND WERE FLOUNDER, GRASS, & BYATCH.
TILTH WAS CONSISTENT WITH EVERY LOAD. PLASTIC BAGS ARE THE
DOMINANT TRASH ITEM FOUND

THERE WERE NO INCIDENTS INVOLVING ENDANGERED SPECIES

Bridge Watch Summary

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

Observer(s) On Duty: JUDD KLEMENT / STEVE PETE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge OUACHITA - Sabine Pass, TX
Weeks Marine / USACE, Galveston
1998

DAILY REPORT

Date: 10 / 02 / 98 Loads: 865 - 889
 Area(s) Worked: SECTIONS 2A & 1A
 Weather Conditions: (S) WINDS 10-20KTS, CLDY, WIND 3-6 FT
 Range of H₂O Temperature: Surface 28 °C Below Mid-Depth NA
 Condition of all screening apparatus: GOOD CONDITION

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

Comments (type of material being dredged, biological specimens, etc.):
THE MAJORITY OF THE MATERIAL BEING DREDGED WAS SILT
AND SOME CLAY. BIOLOGICAL SAMPLES INCLUDED MENTHARDEN GRASS.
TRASH WAS CONSISTENT WITH EVERY LOAD - PLASTIC BEING THE
BULK OF THE TRASH.
THERE WERE NO INCIDENTS INVOLVING ENDANGERED SPECIES

Bridge Watch Summary

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

Observer(s) On Duty: JUD KLEMENT / STEVE PETE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA - Sabine Pass, TX

Weeks Marine / USACE, Galveston

1998

DAILY REPORT

Date: 10 / 03 / 98 Loads: 890 - 913

Area(s) Worked: SECTION 2A

Weather Conditions: Pth, cloudy / Tstorms, winds S 10-45 Kts, seas 3-6 ft

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

Condition of all screening apparatus: GOOD CONDITION. A SHACKLE BROKE ON PORT TURTLE DEFLECTOR BUT FIXED BEFORE NEXT LOAD.

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

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

THE MAJORITY OF THE MATERIAL WAS SILT WITH SMALL AMOUNTS OF CLAY. SMALL AMOUNTS OF BYCATCH, WOOD, & PLASTIC (BAGS & STRIPS) WERE THE MAIN COMPONENT OF THE TRASH THAT IS TAKEN WITH EVERY LOAD. THE SEA WAS TOO ROUGH FOR TEMP.

THERE WERE NO INCIDENTS INVOLVING ENDANGERED SPECIES

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: JUDH KLEMENT / STEVE PETE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge OUACHITA - Sabine Pass, TX
Weeks Marine / USACE, Galveston
1998

DAILY REPORT

Date: 10 / 04 / 98 Loads: 914 - 933
 Area(s) Worked: SECTIONS 2A & 3A
 Weather Conditions: SCAT. TSTORMS, SEAS 8-12 FT, SEAS WINDS 15-40 KLS
 Range of H₂O Temperature: Surface NA Below Mid-Depth NA
 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.):
THE MAJORITY OF THE MATERIAL BEING DREDGED IS SILT
BIOLOGICAL SPECIMENS INCLUDED GLASS, WOOD, & TWIGS
TRASH WAS CONSISTENT WITH LIGHT LOAD
MONITORING STOPPED AFTER LOAD 931 DUE TO
DANGEROUS WORKING CONDITIONS FROM THE WEATHER.
THERE WERE NO INCIDENTS INVOLVING ENDANGERED SPECIES.

Bridge Watch Summary

<u>Species</u>	<u># of Sightings</u>	<u># of Animals</u>	<u>Comments</u>
<u>H</u>	<u>1</u>	<u>3</u>	<u>ON BOW OF OUTGOING SHIP</u>

Observer(s) On Duty: JUDD KUEMENT / STEVE PETE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA - Sabine Pass, TX

Weeks Marine / USACE, Galveston

1998

WEEKLY SUMMARY

Dates: 09 / 28 / 98 - 10 / 04 / 98

Loads: 7A-5-933

Range of H₂O Temperature: Surface 27°-28° C

Below Mid-Depth NA

Area(s) Worked: SECTIONS 1A, 2A, 3A

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

Comments: THE MAJORITY OF THE MATERIAL DREDGED WAS SILT WITH SOME CLAY. BIOLOGICAL SAMPLES CONTINUE TO BE LIGHT. CLEARNOSE SKATES, FLOUNDER, MACKEREL, CRAB, GRASS, WOOD, AND BYCATCH HAVE BEEN IDENTIFIED. THE TRASH CONSISTED MAINLY OF SMALL PIECES OF PLASTIC WITH OTHER NETS, CABLES, ANCHOR CHAIN, PLASTICS, FIBERGLASS & HOUSEHOLD WASTE. ON 10/4/98 MONITORING WAS STOPPED FROM 1800-2400 DUE TO DANGEROUS SEA CONDITIONS. ALSO, DOWNTIME DUE TO ENGINE TROUBLE.

THERE WERE NO INCIDENTS INVOLVING ENDANGERED SPECIES

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TH	5	11	IN CHANNEL OR ON BOW OF SHIPS

Observers On Duty: JUDD KLEMENT / STEVE PETER

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA - Sabine Pass, TX

Weeks Marine / USACE, Galveston

1998

DAILY REPORT

Date: 10 / 05 / 98 Loads: 934 - 939

Area(s) Worked: 3A

Weather Conditions: mostly cloudy, seas 6-8ft, winds S-20-30kts

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

Condition of all screening apparatus: good condition

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

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

Pumped ONE LOAD CONSISTING OF SILT w/ TRASH, GLASS AND SOME CLAY.

SHIP WENT TO ANCHOR AT 0900 TO REPAIR ENGINE AND DECIDE ABOUT EMERGENCY PROJECT.

DREDGE OUACHITA ENDED SABINE PASS JOB TO HEAD TO MORGAN FOR AN EMERGENCY JOB ON 10/6

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: JUDY FLORENT