

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Eagle, M.R.G.O., L...
Bean Co./USACE, New Orleans

DAILY REPORT

Date: 10 / 14 96 Loads: 01-04

Area(s) Worked: Stations 3835+00-3750+00

Weather Conditions: Skies clear to mostly cloudy, Winds SE 5-20 knots, Seas 2'-8'

Range of H₂O Temperature: Surface 73°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.):

Due to bad weather no digging was done on

13th. The crew boat was not able to make it out to the dredge site and the seas were too large for digging. The crew boat arrived at 0900 on the 14th and dredging commenced at 0905.

The dredge is equipped with 100% inflow screening. At the end of each discharge pipe there is 100% enclosed screen cage with 4"x4" openings. There are two pipes one on the port side and one on the starboard side. There are two screened mid discharge openings. These openings are welded closed and will not be used. This is an excellent inflow screened setup.

Samples were small in quantity today. samples consisted of whelks, stingrays, spider crabs, wood, clay and trash.

Material digging is sand, silt, mud and clay. Water temperatures will be taken by the observers in the cut area.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
No sightings			

Eric Westerman, Brett Johnson

Observer(s) On Duty:

ENDA ERD SPECIES OBSERVER PROJ AM

Dredge Eagle MRGO LA

BEAN Co./USACE, New Orleans

DAILY REPORT

Date: 10 / 15 / 96 Loads: 05-11

Area(s) Worked: Stations 3835+00-3750+00

Weather Conditions: Skies partly cloudy, Winds variable 5-15 knots, Seas 1'-3'

Range of H2O Temperature: Surface 72°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.):

Samples today consisted of whelks, pen shell, stingrays, horseshoe crabs, wood, clay and trash. Samples were small in quantity.

Material digging is sand, silt, mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
No sightings			

Observer(s) On Duty: Eric Westerman, Brett Johnson

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Eagle MRGO, LA
Bean Co./USACE, New Orleans

DAILY REPORT

Date: 10 / 16 / 96 Loads: 12-18

Area(s) Worked: Stations 3835+00-3750+00

Weather Conditions: Partly cloudy, Winds SE 10-15 knots, Seas 1'-5'

Range of H₂O Temperature: Surface 75°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.):

Samples were small in quantity today. Samples included horseshoe crabs, atlantic stingrays, spiny dogfish, atlantic torpedo, atlantic guitar fish, whelks, wood, clay, and trash.

Material digging is sand, silt, mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
No sightings			

Observer(s) On Duty: Eric Westerman, Brett Johnson

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Eagle MRGO, LA
Beaumont Co./USACE, New Orleans

DAILY REPORT

Date: 10 / 17 / 96 Loads: 19-25

Area(s) Worked: Stations 3835+00-3750+00-3905+00

Weather Conditions: Skies clear to partly cloudy, Winds S-SE 10-15 knots to light

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

Condition of all screening apparatus: Safety ladders were installed today on the inflow cages. This makes the access from the catwalk to the inflow cage safer. 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.):

Samples were small in quantity or nonexistent in some loads. Samples today consisted of horseshoe crabs, spider crabs, whelks, pen shell, wood, trash and clay. The amount of debris that was sampled today was small. Some loads only a whelk and a piece of wood was sampled. Debris caught in the dragheads has also been small. Dragheads are usually clean or may have small amounts of clay, rope or wood trapped in the draghead.

Material digging is sand, silt, mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
No sightings			

Observer(s) On Duty: Eric Westerman, Brett Johnson

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Eagle, MRGO, LA
Beaumont Co./USACE, New Orleans

DAILY REPORT

Date: 10 / -18 / 96 Loads: 26-32

Area(s) Worked: Stations 3905+00-3750+00

Weather Conditions: Skies clear and partly cloudy, Winds N 20-30 knots, Seas 3'-6'

Range of H₂O Temperature: Surface 73°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.):

Samples remained smaller than usual in quantity today. Most of loads the screens only sampled small amounts of pen shells, horseshoe crabs and trash, some of loads were clean.

Material digging is sand, silt, mud and small amount of clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
No sightings			

Observer(s) On Duty: Eric Westerman, Brett Johnson

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Eagle MRGO, LA
Beaumont Co./USACE, New Orleans

DAILY REPORT

Date: 10/19/96 Loads: 33-37

Area(s) Worked: Stations 3905+00-3750+00

Weather Conditions: Skies clear, Winds northerly 12-30 knots, Seas 3'-6'

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

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.):

Biological samples increased in quantity today.

Numerous stingrays, cownose rays, horseshoe crabs, spider crabs, pen shell and whelks were sampled today.

Material digging is sand, silt, mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	3	12	Bottlenose Dolphins

Eric Westerman, Brett Johnson

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Eagle MRGO, LA
Bean Co./USACE, New Orleans

DAILY REPORT

Date: 10 / 20 / 96 Loads: 38-43

Area(s) Worked: Stations 3815+00-3905+00-3750+00

Weather Conditions: Skies clear, Winds light airs, Seas calm

Range of H₂O Temperature: Surface 70°F Below Mid-Depth

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.):

Samples today consisted of horseshoe crabs,
whelks, cownose rays, atlantic stingrays, pen shell, wood,
trash and rope.

Material digging is sand, silt, mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	4	26	Bottlenose Dolphins

Observer(s) On Duty: Eric Westerman, Brett Johnson

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge, BAGUE, MRGO, LA
Bean Co./USACE, New Orleans

WEEKLY SUMMARY

Dates: 10/14/96 - 10/20/96 Loads: 01-43

Range of H₂O Temperature: Surface 70°-75°F Below Mid-Depth

Area(s) Worked: Stations 3905+00-3750+00-3835+00-3815+00 MRGO

Are there incidents involving endangered or protected species? Yes No

Comments: No turtles were sighted or sampled this week.

One old weathered turtle bone piece was sampled this week.

One third of an old costal plate was sampled. The bone was small in size and black in color.

The 100% inflow sampling system is working fine.

Samples this week have consisted of pen shells, horseshoe crabs, atlantic stingrays, spider crabs, whelks, atlantic guitar fish, cownose rays, spiny dogfish, wood, clay and trash. The sample size quantity has varied from small to numerous. The dragheads are kept relatively clean from debris.

Clay, wood and rope is what is getting caught in the dragheads.

Material digging is sand, silt, mud and clay.

Observers are taking water temperatures from the dredge in the cut area.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	7	38	Bottlenose Dolphins

Observers On Duty: Eric Westerman, Brett Johnson

ENDANGERED SPECIES OBSERVER PROGRAM

Dr. c. Eagle MRGO
Beaumont Co./USACE, New Orleans

DAILY REPORT

Date: 10 / 21 / 96 Loads: 44-50

Area(s) Worked: STATION 3815+00 -> 3905+00

Weather Conditions: SKIES CLEAR TO PARTLY CLOUDY; WINDS VARIABLE 5-10 KNOTS TO LIGHT AIRS; SEAS CALM
TO 1-3'

Range of H₂O Temperature: Surface 70° 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.): _____

SAMPLES TODAY CONSISTED OF STINGRAYS, HORSESHOE CRABS, SEA STAR,
WHELK, AND PEN SHELLS, WOOD, TRASH, AND RUBBER HOSE.

MATERIAL DIGGING IS SAND, SILT, MUD, AND CLAY

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T+</u>	<u>3</u>	<u>12</u>	<u>BOTTLENOSE DOLPHINS</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: BRETT JOHNSON / ERIC WESTERMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dr. Eagle MRGO, I
Beaumont Co./USACE, New Orleans

DAILY REPORT

Date: 10 / 22 / 96 Loads: 51-55

Area(s) Worked: STATION 3815+00 -> 3905+00

Weather Conditions: PARTLY TO MOSTLY CLOUDY; WINDS SOUTHERLY TO SE 10-30 KNOTS; SEAS 3-6'

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

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.):

SAMPLES TODAY CONSISTED OF STINGRAYS, HORSESHOE CRABS, PEN SHELLS
WOOD, AND ASSORTED TRASH.

MATERIAL DIGGING IS SAND, SILT, MUD, AND CLAY

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO SIGHTINGS			

Observer(s) On Duty: BRETT JOHNSON / ERIC WESTERMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Eagle MRGO, LA
Beaumont Co./USACE, New Orleans

DAILY REPORT

Date: 10 / 23 / 94 Loads: 50-62

Area(s) Worked: STATIONS 3815+00 -> 3905+00 -> 3750+00 -> 3770+00

Weather Conditions: CLOUDY TO CLEAR SKIES; WINDS VARIABLE 10-30 KNOTS TO LIGHTS; SEAS 2-6' TO CALM

Range of H₂O Temperature: Surface 72°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.):

SAMPLES CONTINUE TO CONSIST OF STINGRAYS, HORSESHOE CRABS, ONE RED DRUM FISH, PENSHELLS, WOOD, AND MISCELLANEOUS TRASH.

DREDGE MATERIAL IS SAND, SILT, MUD, AND CLAY

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tf	3	8	BOTTLENOSE DOLPHINS

Observer(s) On Duty: BRETT JOHNSON / ERIC WESTERMAN

END 'GERED SPECIES OBSERVER PF GRAM
 Dredge EAGLE I - Mississippi River Gulf Outlet 1996
 Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 10 / 24 / 96 Loads: 63-68

Area(s) Worked: STATIONS 3770+00 - 3815+00 - 3905+00

Weather Conditions: CLEAR TO PARTLY CLOUDY; WINDS SE 5-20 KTS TO LT. AIRS; SEAS CALM TO 1-4'

Range of H₂O Temperature: Surface 70°-72° F Below Mid-Depth _____

Condition of all screening apparatus: GOOD. REPAIRS MADE TO PORT INFLOW CAGE DOOR DURING LOAD NUMBER 65. SEE DAILY REPORT

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

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

SAMPLES SMALL IN QUANTITY CONSISTING OF WHELK AND PEN SHELLS, STINGRAY, REDFISH, WOOD, AND MISCELLANEOUS TRASH.

DREDGE MATERIAL IS SAND, SILT, MUD, AND CLAY.

DURING LOAD # 65 THE PORT INFLOW CAGE DOOR OPENED UP APPROX. 6 INCHES AT 0724. AT 0725 THE OUTSIDE RAM BROKE RELEASING HYDRAULIC PRESSURE TO DOOR COMPLETELY. AT 0838 THE DOOR WAS AGAIN CLOSED AND HAS SINCE BEEN FULLY FUNCTIONAL AND IN GOOD WORKING ORDER. THE REPAIRS TO THE DOOR WAS DONE IN A TIMELY AND EFFECIENT MANNER.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>NO SIGHTINGS</u>	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: ERIC WESTERMAN | BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge EAGLE 1 - Mississippi River Gulf Outlet 1996

Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 10 / 25 / 94 Loads: 69-70

Area(s) Worked: STATION 3815+00 - 3905+00

Weather Conditions: PTLY CLOUDY ; WINDS SLY 10-20 KNOTS ; SEAS 3-5'

Range of H₂O Temperature: Surface 71°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.):

SAMPLES LIGHT IN QUANTITY CONSISTING OF MAINLY WOOD AND TRASH WITH SOME PEN SHELLS, WHELK, AND STINGRAY. DREDGE MATERIAL IS SAND, SILT, MUD, AND CLAY. DREDGING OPERATIONS CEASED AT 0540. SHIP IN TRANSIT TO DOCK FROM 0540 TO 1125 AT WHICH TIME ARRIVED AT JOURDAN ROAD WHARF IN NEW ORLEANS, LA. TO UNDERGO SWITCH OUT OF DRAGHEADS AND TO TAKE ON FUEL. THE NEW DRAGHEADS EQUIPPED WITH TURTLE EXCLUDER DEVICE, SHIP UNDERWAY FOR RETURN TO MRGO AT APPROX. 2100 HRS.

Bridge Watch Summary

Table with 4 columns: Species, # of Sightings, # of Animals, Comments. Row 1: NO SIGHTINGS

Observer(s) On Duty: BRETT JOHNSON / ERIC WESTERMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge EAGLE 1 - Mississippi River Gulf Outlet 1996

Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 10 / 26 / 96 Loads: 71 - 77

Area(s) Worked: STATION 3825+00 -> 3855+00

Weather Conditions: PTLY CLOUDY; WINDS SLY 5-20 KNOTS; SEAS 4-7'

Range of H2O Temperature: Surface 72°-73° F Below Mid-Depth

Condition of all screening apparatus: GOOD. REPAIRS TO PORT SIDE CAGE HYDRAULIC RAM,

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

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

BIOLOGICAL AND TRASH SAMPLES ARE MINIMAL TO NONEXISTENT, SAMPLES INCLUDE WOOD, MISCELLANEOUS TRASH, WRECK, AND STRINGRAY. DREDGE MATERIAL IS SAND, SILT, MUD, AND CLAY.

SHIP RETURNED TO MROG AT APPROX. 0200 HRS. DREDGING RESUMED AT 0235. NEW DRAGHEADS WITH T.E.D.'S HAVE BEEN INSTALLED AND ARE IN GOOD WORKING ORDER. FINAL REPAIRS MADE TO PORT SIDE CAGE DOOR WITH NEW HYDRAULIC RAM BEING INSTALLED. IT TOO IS IN GOOD WORKING ORDER AND FULLY FUNCTIONAL

Bridge Watch Summary

Table with 4 columns: Species, # of Sightings, # of Animals, Comments. Row 1: NO SIGHTINGS

Observer(s) On Duty: BRETT JOHNSON / ERIC WESTERMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge IGLE 1 - Mississippi River Gulf Ou. 1996

Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 10 / 27 / 96 Loads: 78-86

Area(s) Worked: STATION 3825+00 - 3855+00 MR60

Weather Conditions: CLEAR TO PTLY CLOUDY; WINDS SLY 5-10 KNOTS; SEAS 2-6'

Range of H2O Temperature: Surface 71° - 73° 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.):

QUANTITY OF SAMPLES IS LIGHT, CONSISTING OF STINGRAY, FLOUNDER, WHELK, PEN SHELL, WOOD, AND TRASH. MOST LOADS, HOWEVER, ARE CLEAN. DREDGE MATERIAL IS SAND, SILT, MUD, AND CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tf	2	8	BOTTLENOSE DOLPHIN

Observer(s) On Duty: BRETT JOHNSON | ERIC WESTERMAN

ENDA PERED SPECIES OBSERVER PROGRAM
 Dredge EAGLE 1 - Mississippi River Gulf Outlet 1996
 Bean Dredging Co. - USACE, New Orleans District

WEEKLY SUMMARY

Dates: 10 / 21 / 96 - 10 / 27 / 96 Loads: 44-86

Range of H₂O Temperature: Surface 70° - 74° F Below Mid-Depth _____

Area(s) Worked: MRGO STATIONS 3815+00 → 3905+00 → 3750+00 → 3770+00 → 3825+00 → 3855+00

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

Comments: NO TURTLES WERE SIGHTED NOR SAMPLED THIS WEEK. BIOLOGICAL SAMPLES INCLUDE STINGRAYS, HORESHOE CRABS, SEA STAR, REDFISH, FLOWNER, WHELK, AND PEN SHELLS. GARBAGE SAMPLES CONSIST OF WOOD, HOSE, NET, AND ASSORTED TRASH. THE SAMPLE SIZE QUANTITY IS DECREASING. DRAGHEADS HAVE BEEN RELATIVELY FREE FROM DEBRIS WITH OCCASIONAL WOOD, CLAY, ROPE AND NET BEING FOUND IN DRAGHEADS. SHIP WENT TO DOCK ON 10/25 TO SWITCH OUT DRAGHEADS AND TO TAKE ON FUEL. THE NEW DRAGHEADS ARE EQUIPPED WITH TURTLE EXCLUDER DEVICES. REPAIRS WERE MADE TO PORT INFLOW GATE DOOR. HYDRAULIC RAM WAS REPLACED IN TIMELY AND EFFICIENT MANNER AND IS IN GOOD WORKING ORDER. ALL OTHER EQUIPMENT INTACT AND FULLY FUNCTIONAL. DREDGE MATERIAL IS SAND, SILT, MUD, AND CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tt</u>	<u>8</u>	<u>20</u>	<u>BOTTLE NOSE DOLPHINS</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observers On Duty: BRETT JOHNSON / ERIC WESTERMAN

END/ GERED SPECIES OBSERVER PROGRAM
Dredge EAGLE 1 - Mississippi River Gulf Outlet 1996
Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 10 / 28 / 96 Loads: 87-98
Area(s) Worked: Stations 3855+00-3825+00
Weather Conditions: Skies partly cloudy, Winds light airs, Seas 2'-5'
Range of H₂O Temperature: Surface 73-74°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.):
A notable reduction in sample quantities
continues since the new dragheads and T.E.D.s were put on.
samples consisted of wood, pen shell, whelks, stingrays,
horseshoe crabs and trash.

Material digging is sand, silt and mud.

Bridge Watch Summary

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

Observer(s) On Duty: Eric Westerman, Brett Johnson

ENDANGERED SPECIES OBSERVER PROGRAM

Dredg. 1GLE 1 - Mississippi River Gulf Out. 1996

Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 10 / 29 / 96 Loads: 99-109

Area(s) Worked: Stations 3855+00-3825+00

Weather Conditions: Skies partly cloudy, Winds light airs, Seas 1'-2'

Range of H₂O Temperature: Surface 72-73-74°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.): _____

Samples today were very small in quantity.

About half of the loads no samples were taken. Samples consisted of pen shells, stingrays, wood, trash and crabtrap mesh.

Material digging is sand, silt and mud.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tt</u>	<u>2</u>	<u>6</u>	<u>Bottlenose Dolphins</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: Eric Westerman, Brett Johnson

ENDANGERED SPECIES OBSERVER PROGRAM

Dredg '4GLE 1 - Mississippi River Gulf Ou 1996

Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 10 / 30 / 96 Loads: 110- 117

Area(s) Worked: Stations 3855+00-3825+00

Weather Conditions: Skies partly cloudy, Winds W 5-10 knots to calm, Seas calm to

Range of H₂O Temperature: Surface 73-74-75°F Below Mid-Depth

Condition of all screening apparatus: Good with the exception of load 115, see daily report for details.

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

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

Samples today were small in quantity. Samples consisted of flounder, whelks, pen shell, stingrays, wood, trash and clay.

Close to the end of load 115 the port cage door opened up about eight inches. The door was closed right away. The door has stayed closed for the remainder of day. The hydraulic door system seems to be working fine now.

Material digging is sand, silt, mud and small amounts of clay.

Bridge Watch Summary

Table with 4 columns: Species Tt, # of Sightings 1, # of Animals 9, Comments Bottlenose Dolphins

Observer(s) On Duty: Eric Westerman, Brett Johnson

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge TAGLE 1 - Mississippi River Gulf Outlet 1996

Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 10 / 31 / 96 Loads: 118-124

Area(s) Worked: Stations 3855+00-3825+00

Weather Conditions: Skies partly cloudy, Winds calm, Seas calm

Range of H2O Temperature: Surface 74-75-76°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.):

Samples with the new dragheads and T.E.D.S

continue to be small in quantity. Samples today were extremely small in quantity. Most of the loads were clean. Samples caught today consisted of stingrays, rubber hose, plastic and wood.

Bridge Watch Summary

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

Eric Westerman, Brett Johnson

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge EAGLE I - Mississippi River Gulf Outlet 1996

Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 11 / 01 / 96 Loads: 125-130

Area(s) Worked: Stations 3855+00-3825+00

Weather Conditions: Skies partly cloudy, Winds light airs, Seas 1'-2'

Range of H2O Temperature: Surface 75°F Below Mid-Depth

Condition of all screening apparatus: Screening in good working order. T.E.D.s repaired today, see daily report for details.

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

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

On load 130 the starboard outside pad-eye broke and the outside pad-eye on the port side was found cracked. Repairs were made to both of the T.E.D.s immediately. Digging was ceased for two hours while the starboard side was being repaired and welded back together. As soon as the starboard T.E.D. was repaired digging commenced again with one arm while the port side was being repaired. Both T.E.D.s are in good working order now.

Samples were small in quantity consisting of flounder, stingrays, pen shell, wood and trash.

Material digging is sand, silt and small amounts of mud and clay.

Bridge Watch Summary

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

Eric Westerman, Brett Johnson

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge EAGLE I - Mississippi River Gulf Outlet 1996

Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 11 / 02 / 96 Loads: 131-136

Area(s) Worked: Stations 3855+00-3825+00

Weather Conditions: Skies clear and cloudy, Winds northerly 10-30 knots, Seas 1'-7'

Range of H₂O Temperature: Surface 73-74°F Below Mid-Depth

Condition of all screening apparatus: Good with the exception of load 133. During the load the port cage door lost hydraulic pressure and the door opened up about a foot at the end of the load. The door was closed again and stayed shut for the rest of the day.

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

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

Samples remained small in quantity today.

Samples consisted of stingrays, red drum, wood and trash.

Material digging is sand, silt and small amounts of mud and clay. The starboard dragarm was damaged at the end of load 136. The dredge will be digging with the port dragarm only until repairs can be made.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
No sightings			

Eric Westerman, Brett Johnson

Observer(s) On Duty:

END. GERED SPECIES OBSERVER PF GRAM

Dredge EAGLE I - Mississippi River Gulf Outlet 1996

Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 11 / 03 / 96 Loads: 137-138

Area(s) Worked: Stations 3855+00-3825+00

Weather Conditions: Skies partly cloudy, Winds north and east 15-30 knots, Sea 4-7

Range of H2O Temperature: Surface 72°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.):

Two loads were dug today. Samples consisted of the usual debris, wood, stingrays, pen shells and trash. Both loads were dug with the port dragarm only. After load 138 the dredge went into port to put a new dragarm on the the starboard side. Dredging commenced again at 2227.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
No sightings			

Eric Westerman, Brett Johnson

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge EAGLE I - Mississippi River Gulf Outlet 1996

Bean Dredging Co. - USACE, New Orleans District

WEEKLY SUMMARY

Dates: 10 / 28 / 96 - 11 / 03 / 96 Loads: 87-138

Range of H2O Temperature: Surface 72-76°F Below Mid-Depth

Area(s) Worked: Stations 3855+00-3825+00

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

Comments: No turtles were sighted or sampled this week. Samples this week with the new dragheads and T.E.D.s were smaller than usual in quantity. Samples mainly consisted of atlantic stingrays, pen shells, red drum, flounder, whelks, wood and trash.

Both of the T.E.D.S were repaired this week. The starboard outboard pad-eye broke off from the weld and the port side pad-eye cracked. Repairs were done immediately to keep the T.E.D.s in good working order. The inflow screening stayed in good shape with the exception of two loads. Twice this week the port side cage door lost hydraulic pressure. The door opened up while loading and had to be closed up again. After the door closed the door stayed closed for the rest of the day.

Material digging is sand, silt with small amount of mud and clay. Observers have been taking water temperatures three times a day from the dredge in the cut area. The dredge went into port sunday morning to put a new draghead on the starboard side.

Bridge Watch Summary

Table with 4 columns: Species, # of Sightings, # of Animals, Comments. Row 1: Tt, 3, 15, Bottlenose Dolphins

Eric Westerman, Brett Johnson

Observers On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge EAGLE 1 - Mississippi River Gulf Outlet - 196

Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 11 / 04 / 94 Loads: 139 - 145

Area(s) Worked: STATIONS 3855+00 - 3825+00

Weather Conditions: CLEAR TO PTLY CLOUDY; E/SE 8-20 KNOTS; SEAS 3-6'

Range of H2O Temperature: Surface 69°-70° F Below Mid-Depth

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.):

SAMPLES TODAY LIGHT IN QUANTITY CONSISTING OF A FEW STINGRAY AND SOME TRASH WITH MOST LOADS BEING CLEAN. DREDGE MATERIAL IS SAND, SILT, MUD, AND CLAY. ALL EQUIPMENT IS INTACT, FULLY FUNCTIONAL, AND IN GOOD WORKING ORDER.

Bridge Watch Summary

Table with 4 columns: Species, # of Sightings, # of Animals, Comments. Row 1: NO SIGHTINGS

Observer(s) On Duty: BRETT JOHNSON | ERIC WESTERMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge EAGLE I - Mississippi River Gulf Outlet 1996

Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 11 / 05 / 94 Loads: 140 - 150

Area(s) Worked: STATIONS 3825+00 - 3855+00

Weather Conditions: PTLY CLOUDY SKIES; WINDS SE 10-20 KNOTS TO LT. AIRS; SEAS 3-8'

Range of H₂O Temperature: Surface 70°-72° 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.):

SAMPLES LIGHT IN QUANTITY CONSISTING OF STINGRAY, FLOUNDER, WOOD, AND TRASH, WITH MOST LOADS BEING CLEAN.

MATERIAL DIGGING IS SAND, SILT, MUD, AND CLAY.

ALL EQUIPMENT IS INTACT AND IN GOOD WORKING ORDER.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T+	1	6	BOTTLENOSE DOLPHINS

Observer(s) On Duty: BRET JOHNSON / ERIC WESTERMAN

ENDAN RED SPECIES OBSERVER PROGRAM

Dredge *LEAGLE 1* - Mississippi River Gulf Outlet, 1996

Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 11 / 06 / 94 Loads: 151-157

Area(s) Worked: STATIONS 3825+00 - 3855+00

Weather Conditions: PTY TO MOSTLY CLOUDY / LIGHT SHOWERS; WINDS LT. AIRS TO SLY 8-15 KTS; SEAS CALM TO 3-4'

Range of H₂O Temperature: Surface 70° - 72° 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.): _____

LOADS EXTREMELY CLEAN TODAY WITH ONE COWNOSE RAY AND A PIECE OF WOOD BEING THE EXCEPTION. DREDGE MATERIAL IS SAND, SILT, MUD, AND CLAY. EQUIPMENT IS INTACT AND IN GOOD WORKING ORDER.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>NO SIGHTINGS</u>	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: BRETT JOHNSON / ERIC WESTERMAN

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge EAGLE 1 - Mississippi River Gulf Outlet 1996
Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 11 / 07 / 94 Loads: 157-163
Area(s) Worked: STATIONS 3825+00 - 3850+00
Weather Conditions: MOSTLY CLOUDY / LT. SHOWERS; WINDS SLY 6-15 KNOTS; SEAS 2-6'
Range of H₂O Temperature: Surface 71° - 72° 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.): _____

SAMPLES LIGHT IN QUANTITY CONSISTING OF STINGRAY, FLOWDER, WOOD
AND TRASH. DREDGE MATERIAL IS SAND, SILT, MUD, AND CLAY.
EQUIPMENT AND SCREENING IN GOOD WORKING ORDER.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>NO SIGHTINGS</u>	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: BRETT JOHNSON / ERIC WESTERMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge EAGLE I - Mississippi River Gulf Outlet 1996

Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 11 / 08 / 96 Loads: 164-169

Area(s) Worked: STATIONS 3825+00 -> 3850+00

Weather Conditions: CLOUDY-RAIN TO CLEARING; WINDS W/N 10-30 KNOTS; SEAS 2-8'

Range of H2O Temperature: Surface 70°-71° 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.):

SAMPLES TODAY SMALL IN QUANTITY CONSISTING OF PEN SHELL, STINGRAY, FLOUNDER AND TRASH WITH MOST LOADS TOTALLY CLEAN. DREDGE MATERIAL IS SAND SILT, MUD, AND CLAY. EQUIPMENT AND SCREENING IS INTACT AND FULLY FUNCTIONAL.

JOHN KNECHT REPLACES ERIC WESTERMAN AS OBSERVER AT 1700 HRS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO SIGHTINGS			

Observer(s) On Duty: BRETT JOHNSON / ERIC WESTERMAN

ENDA JERED SPECIES OBSERVER PR RAM

Dredge EAGLE 1 - Mississippi River Gulf Outlet 1996

Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 11 / 9 / 96 Loads: 170 - 176

Area(s) Worked: stations 3825⁰⁰ to 3850⁰⁰

Weather Conditions: CLEAR SKIES, N/NE WIND to 20 KNOTS, DIMINISHING, SEAS 2-3', AIR TEMP. 60°

Range of H₂O Temperature: Surface 67-68°F Below Mid-Depth 70°F (HOPPER WATER)

Condition of all screening apparatus: GOOD - 100% INFLOW SCREENING

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

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

DREDGING FINE SAND/SILT W/ LITTLE OTHER DEBRIS

BIOLOGICAL "TAKE" INCLUDES A FEW RAYS, & A CATFISH

MOSTLY VERY CLEAN SCREENS, & ALL IS WELL.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<i>J. truncatus</i>	1	5	~0630 HRS, ~1/4 mi E of "G5" channel marker

Observer(s) On Duty: BRETT JOHNSON, JOHN KNECHT

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge EAGLE I - Mississippi River Gulf Outlet 1996
Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 11 / 10 / 96 Loads: 177 - 182
Area(s) Worked: STATIONS 3825+00 - 3850+00
Weather Conditions: CLEAR SKIES; WINDS LT. AIRS TO N/NE 3-10 KNOTS; SEAS 1-3'
Range of H₂O Temperature: Surface 67° - 68° F Below Mid-Depth 72° F
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.):

SAMPLES LIGHT IN QUANTITY CONSISTING OF WHELK SHELL, STINGRAY, AND ASSORTED TRASH. MOSTLY CLEAN SCREENING. DREDGE MATERIAL IS SAND, SILT, MUD, AND CLAY. EQUIPMENT AND SCREENING IN GOOD WORKING ORDER.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TT</u>	<u>2</u>	<u>12</u>	<u>BOTTLENOSE DOLPHINS</u>

Observer(s) On Duty: BRETT JOHNSON / JOHN KNECHT

ENDAN RED SPECIES OBSERVER PROGRAM

Dredge EAGLE 1 - Mississippi River Gulf Outlet 1996

Bean Dredging Co. - USACE, New Orleans District

WEEKLY SUMMARY

Dates: 11 / 04 / 96 - 11 / 10 / 96 Loads: 139-182

Range of H2O Temperature: Surface 67° - 72° F Below Mid-Depth 70° - 72° F

Area(s) Worked: STATIONS 3825+00 - 3850+00

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

Comments:

NO TURTLES SIGHTED NOR SAMPLED THIS WEEK. SAMPLES CONTINUE TO BE SMALL IN QUANTITY. SAMPLES CONSIST OF WHELK SHELL, STINGRAY, FLOUNDER, CATFISH, WOOD, AND ASSORTED TRASH.

DREDGE MATERIAL IS SAND SILT WITH SMALL AMOUNT OF MUD AND CLAY.

ALL EQUIPMENT AND SCREENING IS INTACT, FULLY FUNCTIONAL AND IN GOOD WORKING ORDER.

JOHN KNECHT REPLACED ERIC WESTERMAN AS OBSERVER ON 11/08/96 AT 1700 HRS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TD	4	23	BOTTLENOSE DOLPHINS

Observers On Duty: BRET JOHNSON / ERIC WESTERMAN / JOHN KNECHT

ENDANGERED SPECIES OBSERVER PROG. M

Dredge EAGLE I - Mississippi River Gulf Outlet 1996

Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

MONDAY

Date: 11 / 11 / 96 Loads: 183 - 188

Area(s) Worked: stations 3825⁺⁰⁰ to 3850⁺⁰⁰

Weather Conditions: Beautiful: clear skies, light Air, Seas 1-2' Air temp. 70's F

Range of H₂O Temperature: Surface 68-70°F Below Mid-Depth 71-72°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.):

The screens continue to be very clean, some misc. debris, & a few sting rays

The material, sampled from beneath a draghead, is a fine, grey silt, that does stick to itself to a small degree.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. truncatus	1	20-25	in the channel near "R6" marker

Observer(s) On Duty: Brett Johnson John Kuecht

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge EAGLE 1 - Mississippi River Gulf Outlet 1996
Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 11 / 12 / 96 Loads: 189 - 195
Area(s) Worked: STATIONS 3825^{T00} - 3850^{T00}
Weather Conditions: CLEAR SKIES; LT. AIRS TO ELY WINDS 8-14 KNOTS; SEAS 1-5'
Range of H₂O Temperature: Surface 67°-69° F Below Mid-Depth 68°-71° F
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.):

SAMPLES EXTREMELY LIGHT IN QUANTITY TODAY. SAMPLES INCLUDE OLD REDFISH PARTS, STINGRAY, AND ASSORTED TRASH. DREDGE MATERIAL IS SAND, SILT, MUD, AND CLAY. EQUIPMENT AND SCREENING IS INTACT AND IN GOOD WORKING ORDER.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T+</u>	<u>1</u>	<u>6-7</u>	<u>BOTTLENOSE DOLPHINS</u>

Observer(s) On Duty: BRETT JOHNSON / JOHN KNECHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge EAGLE 1 - Mississippi River Gulf Outlet 1996

Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 11 / 13 / 96 Loads: 196 thru 201

Area(s) Worked: stations 3855⁰⁰ to 3825⁰⁰

Weather Conditions: Clear skies, Winds E/NE 10-18 knots seas 3-4' air temp 70's °F

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

Condition of all screening apparatus: Excellent, 100% Inflow

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

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

Digging fine, slightly "packable", grey material
little other debris in the screens.

Biological specimens incl. a half dozen cow nosed rays, several
small stingrays & flounders

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T. truncatus</u>	<u>1</u>	<u>6</u>	<u>In the channel, near the "R6" marker</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: BRET JOHNSON JOHN KNECHT

END REGISTERED SPECIES OBSERVER PROGRAM

Dredge EAGLE I - Mississippi River Gulf Outlet 1996

Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 11 / 14 / 96 Loads: 202 - 207

Area(s) Worked: STATIONS 3825¹⁰⁰ -> 3850¹⁰⁰

Weather Conditions: CLEAR TO PTLY CLOUDY ; WINDS E-ly 8-16 KNOTS ; SEAS 3-5'

Range of H₂O Temperature: Surface 65°-67° F Below Mid-Depth 66°-67° 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.):

NO TURTLES SIGHTED NOR SAMPLED. SAMPLES CONTINUE TO BE LIGHT IN QUANTITY CONSISTING OF A FEW STINGRAY, FLOWDER, PEN + WHELK SHELLS, AND ASSORTED TRASH. MATERIAL DUGGING IS FINE, SAND, SILT, MUD AND CLAY. ALL SCREENING AND EQUIPMENT IN GOOD CONDITION.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. truncatus	1	2	BOTTLENOSE DOLPHINS

Observer(s) On Duty: BRETT JOHNSON / JOHN KNECHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge EAGLE 1 - Mississippi River Gulf Outlet 1996

Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 11 / 15 / 96 Loads: 208 thru 211

Area(s) Worked: Stations 3825⁺ to 3855⁺

Weather Conditions: PTLY. CLOUDY E WIND BUILDING TO 30-40 KNOTS, SEAS 7-10'

Range of H₂O Temperature: Surface 65-66 °F Below Mid-Depth 66 °F

Condition of all screening apparatus: EXCELLENT; 100% INFLOW

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

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

DIGGING FINE GREY, SILT/MUD

VERY CLEAN SCREENS - A FEW STINGRAYS, LITTLE ELSE TO REPORT

CEASED DREDGING OPERATIONS AT 1109 HRS, ON ACCOUNT OF STRONG WINDS & BUILDING SEAS, AND DROPPED ANCHOR (IN THE LEE OF THE BRETON ISLANDS, FOR THE REST OF THE DAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: BRETT JOHNSON JOHN KNECHT

ENDA PERMITTED SPECIES OBSERVER PROGRAM

Dredge EAGLE 1 - Mississippi River Gulf Outlet 1996

Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 11 / 16 / 96 Loads: *211 - 217
 Area(s) Worked: STATIONS 3825^{TOO} to 3855^{TOO} AND 3525^{TOO} to 3485^{TOO}
 Weather Conditions: OVERCAST SKIES; WINDS EASTERLY 25-30 KNOTS; SEAS 4-10'
 Range of H₂O Temperature: Surface 65° - 67°F Below Mid-Depth 66° - 68°F
 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.): *LOAD 211 CONTINUED FROM 11/15. DID NOT GET DUMPED DUE TO ROUGH SEAS. STARTED 11/16 BY ADDING TO LOAD 211.
RESUMED DREDGING AT 1020 AT NEW STATIONS 3525^{TOO} to 3485^{TOO}
BIOLOGICAL SPECIMENS INCLUDE PENSHELLS, STINGRAY AND MIX. FISH PARTS. LARGE AMOUNTS OF MARSH GRASS, WOOD, TRASH, AND DEBRIS HAVE ACCUMULATED AT NEW STATIONS AND HAS NEEDED TO BE REMOVED BY HAND. DREDGE MATERIAL AT NEW STATION HAS BEEN BLACK SOUPY SILT AND MUD. EQUIPMENT AND SCREENING REMAINS INTACT AND IN GOOD WORKING ORDER

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tt</u>	<u>2</u>	<u>10-12</u>	<u>BOTTLENOSE DOLPHINS</u>

Observer(s) On Duty: BRETT JOHNSON / JOHN KNECHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge EAGLE 1 - Mississippi River Gulf Outlet 1996

Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 11/17/96 Loads: 218 thru 228

Area(s) Worked: stations 3525⁺ to 3485⁺

Weather Conditions: OVERCAST to PTLY CLOUDY, E/SE WIND 10-20 KNOTS. SEAS 4-6'

Range of H₂O Temperature: Surface 67°-68°F Below Mid-Depth 67.5°-68°F

Condition of all screening apparatus: EXCELLENT; 100% INFLOW

Are there incidents involving endangered or protected species? Yes No

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

DREDGING SOME DARK SLUDGE/FLUFF, FINE GREY CLAY/MUD & CLAY. EXCEPTIONAL QUANTITIES OF OLD, BLACK, WIREY MARSH GRASS STEMS/ROOTS BLOCKING UP THE OPENINGS IN THE TURTLE BOXES. CONSTANT CLEANING. SMALL PIECES OF WOOD, LINES, NETS, RAGS, MISC. DEBRIS NOT MUCH BIOLOGICAL TAKE - SOME RAYS, FLOWNER, OLD DEAD RED FISH. A FEW WHELKS, A STARFISH, HERMIT CRAB... SNAKE EELS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
	0		

Observer(s) On Duty: BRETT JOHNSON JOHN KUECHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge EAGLE 1 - Mississippi River Gulf Outlet 1996

Bean Dredging Co. - USACE, New Orleans District

WEEKLY SUMMARY

Dates: 11 / 11 / 96 - 11 / 17 / 96

Loads: 183 thru 228

Range of H₂O Temperature: Surface 65-70°F

Below Mid-Depth 66-72°F

Area(s) Worked: stations 3825⁰⁰ to 3855⁰⁰ (MON-FRI)

stations 3525⁰⁰ to 3485⁰⁰ (SAT-SUN)

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

Comments: FOR MOST OF THE WEEK WE WORKED THE HIGHER STATION NUMBERS FURTHER OUT W THE CHANNEL. THE MATERIAL WAS A FINE GREY CLAY/SILT. THE SCREENS WERE VERY CLEAN: LITTLE DEBRIS, & LITTLE BIOLOGICAL TAKE - SOME RAYS & FLOUNDER. ALL IS WELL.

FRIDAY, 30-40 KNOT WINDS & BUILDING SEAS FORCED US TO SPEND THE AFTERNOON & NIGHT AT ANCHOR W THE LEE OF THE GRAND GOSLER SHOALS.

SATURDAY MORNING WE BEGAN DIGGING ON THE NEW SITE. THE MATERIAL IS MORE OF A THICK SLUDGE, W/ CLAY, & LARGE AMOUNTS OF MARSH GRASS ROOTS/STEM THAT BLOCK UP THE TURTLE BOXES. MUCH MORE TRASH, LINE, NETS, DEBRIS, WOOD, A FEW RAYS, & DEAD RED FISH

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<i>T. truncatus</i>	6	generally 4-6 per sighting	
		- 20-25 sighted at one time	11/17

Observers On Duty: BRETT JOHNSON JOHN KNECHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *EAGLE1* - Mississippi River Gulf Outlet 1996

Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 11/18/96 Loads: 228-240

Area(s) Worked: Stations 3525+00 to 3485+00 & 3810+00 to 3885+00

Weather Conditions: Partly cloudy to clear, E./SE. winds 5-15 knots, seas 3-5 ft.

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

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 fine silt/ clay/ mud

Screens all very clean - a few flounder, redfish, stingrays, crabs, and marsh grass

Abiotic material included rope, wire, wood, netting, clay and trash

All screening and equipment in good condition.

Bridge Watch Summary

Species	#of sightings	# of Animals	Comments
<u>T.truncatus</u>	<u>1</u>	<u>1</u>	<u>Near buoy 5</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observers on duty: Leslie Sprague, Brenda Huffstetler

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *EAGLE1* - Mississippi River Gulf Outlet 1996
Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 11 / 19 / 96 Loads: 241 to 245 (End contract Dacw29-96-C-0003)
Area(s) Worked: Sta. 3885+00 to 3810+00
Weather Conditions: Clear, Seas 2 to 3 Ft. Wind 5 Knts. Air temp. 70 to 74 F.
Range of H₂O Temperature: Surface 70 Below Mid-Depth 68 to 69 Deg. 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 was fine silt \ mud with rope, wood, pin wheels & horseshoe crabs ; over all
Very clean
No endangered \ protected species were sighted or taken.
Port discharge flushed periodically to remove debris.

<u>Bridge Watch Summary</u>			
Species	# of sightings	# of Animals	Comments
<u>None</u>	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: Brenda Huffstetler, Leslie Sprague

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge *EAGLE I* - Mississippi River Gulf Outlet 1996
 Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 11 / 19 / 96 Loads: 1 to 6 (Dacw29-96-C-0006)
 Area(s) Worked: Sta. 3810+00 to 3885+00
 Weather Conditions: Calm to < 5 Knts. 80 to 90% Cloud cover, seas < 2'
 Range of H₂O Temperature: Surface 72 F. Below Mid-Depth 70 F.
 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.):
Material is fine silt and mud.
At 10:26 Dredging continued with port draghead only, while stbd. draghead was repaired.
Resumed dredging with both dragheads at 17:30.
Material included a few cownosed rays and wood.
Over all loads were very clean today.

Bridge Watch Summary

Species	# of sightings	# of Animals	Comments
<u>T. truncatus</u>	<u>1</u>	<u>7</u>	<u>Bottlenose Dolphins</u>

Observer(s) On Duty: B. Huffstetler, L. Sprague

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge *EAGLE 1* - Mississippi River Gulf Outlet 1996
 Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 11/20/96 Loads: 7 - 18
 Area(s) Worked: C.L. Sta. 3885+00 - 3810+00 Lat/Lon. N 29 25 | W 89 01
 Weather Conditions: Seas < 2', Wind < 2 Knts., mostly cloudy - clear, air 76 - 82 F.
 Range of H₂O Temperature: Surface 71 - 74 F. Below Mid-Depth 68 - 70 F.
 Condition of all screening apparatus: Very Good

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.):
Very clean loads today, consisting of mud \ fine clay and silt.
Debris collected included rope, wood, a few pinwheels & a few sting rays.
No incidents involving endangered species today.
All equipment in good condition & full working order.

Bridge Watch Summary

Species	# of sightings	# of Animals	Comments
<u>T. truncatus</u>	<u>1</u>	<u>1</u>	<u>Bottlenose Dolphin (S.E. buoy no.4)</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: Leslie Sprague, Brenda Huffstetler

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *EAGLE I* - Mississippi River Gulf Outlet 1996

Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 11/21/96 Loads: 19 - 29

Area(s) Worked: N. 29- 30 / W. 89- 01

Weather Conditions: Seas < 2', Wind 0 - 10 Knts., clear/ptly cloudy / haze

Range of H₂O Temperature: Surface 72 - 73 F. Below Mid-Depth 68 - 69 F.

Condition of all screening apparatus: All in good condition.

Are there incidents involving endangered or protected species? Yes No

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

There were no incidents involving endangered species today.

Dredged material was fine grey silt / & mud.

Debris included wood, sting rays, & rope.

Loads were fairly clean all day.

Bridge Watch Summary

Species	# of sightings	# of Animals	Comments
<u>T. truncatus</u>	<u>5</u>	<u>28</u>	<u>All were spotted near buoy 5 & 6, possibly Feeding. (Included 1 mother / calf pair)</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: Leslie Sprague, Brenda Huffstetler

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Eagle, M.R.G.O., L...
Bean Co./USACE, New Orleans

DAILY REPORT

Date: 10 / 14 96 Loads: 01-04

Area(s) Worked: Stations 3835+00-3750+00

Weather Conditions: Skies clear to mostly cloudy, Winds SE 5-20 knots, Seas 2'-8'

Range of H₂O Temperature: Surface 73°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.):

Due to bad weather no digging was done on

13th. The crew boat was not able to make it out to the dredge site and the seas were to large for digging. The crew boat arrived at 0900 on the 14th and dredging commenced at 0905.

The dredge is equipped with 100% inflow screening. At the end of each discharge pipe there is 100% enclosed screen cage with 4"x4" openings. There are two pipes one on the port side and one on the starboard side. There are two screened mid discharge openings. These openings are welded closed and will not be used. This is a excellent inflow screened setup.

Samples were small in quantity today. samples consisted of whelks, stingrays, spider crabs, wood, clay and trash.

Material digging is sand, silt, mud and clay. Water temperatures will be taken by the observers in the cut area.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
No sightings			

Eric Westerman, Brett Johnson

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge *EAGLE I* - Mississippi River Gulf Outlet 1996
 Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 11 / 22 / 96 Loads: 30 - 40
 Area(s) Worked: N. 29-25 / W. 89-01
 Weather Conditions: Strong wind 5 - 8 knts., seas 2 - 6', cloud coverage (overcast)
 Range of H₂O Temperature: Surface 65 - 70 F. Below Mid-Depth 67 - 68 F.
 Condition of all screening apparatus: All screening apparatus is clean and in good shape.

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.): _____
No incidents involving endangered species.
Material dredged is fine silt & mud. Dredges have been very clean.
Stingrays & pinwheels mostly seen today.
Wood, rope, and some plastic found as well.

Bridge Watch Summary

Species	# of sightings	# of Animals	Comments
	<u>None</u>		

Observer(s) On Duty: Leslie Sprague, Brenda Huffstetler

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *EAGLE1* - Mississippi River Gulf Outlet 1996
Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 11/23/96 Loads: 41 - 51
Area(s) Worked: N. 29-26 / W. 89-01
Weather Conditions: Seas 1 - 3', Wind 1 - 15 knts., Skies partly \ mostly cloudy.
Range of H₂O Temperature: Surface 68 - 69 F. Below Mid-Depth 65 - 67 F.
Condition of all screening apparatus: All in good condition.

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.):
All loads extremely clean today with very little material collected in the discharges. 2 Stingrays.
Wood, piece of metal.

Material dredged is fine grey silt & mud.

All equipment / T.E.D. / screens in good working order.

Bridge Watch Summary

Species	# of sightings	# of Animals	Comments
<u>T. truncatus</u>	<u>5</u>	<u>40 - 50</u>	<u>(4) of these sightings involved a total of 10</u> <u>Animals. (1) sighting included 30 - 40 bottle-</u> <u>nose Dolphins in one area at 0745.</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: Leslie Sprague, Brenda Huffstetler

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *EAGLE1* - Mississippi River Gulf Outlet 1996

Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 11 / 24 / 96 Loads: 52-63

Area(s) Worked: N. 29-25 / W. 89-01

Weather Conditions: Strong wind 1-40 knts., seas 2 - 6', clear- thunder/lightening storms

Range of H₂O Temperature: Surface 69 - 70 F. Below Mid-Depth 67 - 68 F.

Condition of all screening apparatus: All screening apparatus is clean and in good shape.

Are there incidents involving endangered or protected species? Yes No

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

No incidents involving endangered species.

Material dredged is mud and clay. Dredges have been very clean.

Only debris found was a few pieces of wood.

Bridge Watch Summary

Species	# of sightings	# of Animals	Comments
<u>T. truncatus</u>	<u>1</u>	<u>6</u>	<u>Bottlenose dolphins</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: Leslie Sprague, Brenda Huffstetler

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge *EAGLE1* - Mississippi River Gulf Outlet 1996
 Bean Dredging Co. - USACE, New Orleans District

WEEKLY SUMMARY

Dates: 11/18/96 - 11/24/96 Loads: 228-245 & 1-63
 Range of H₂O Temperature: Surface 65 - 74 F. Below Mid-Depth 65 - 70 F.
 Area(s) Worked: N: 29-25 / W: 89-01

Are there incidents involving endangered or protected species? Yes No

Comments): _____

No incidents involving endangered species this week.

Sightings of protected species listed below.

Material dredged was fine silt, clay & mud.

Debris found included: flounder, redfish, stingrays, cownosed rays, crabs, horseshoe crabs, pinwheels, wood, wire, rope, netting, plastic, metal and trash.

All screens/ TEDS in good condition- no problems.

Weather was fairly good all week (winds 0-20 knots, seas 1-6ft) until Sunday evening when a few storms passed through with rain, lightening & strong winds..

Bridge Watch Summary

Species	# of sightings	# of Animals	Comments
<u>Tursiops truncatus</u>	<u>14</u>	<u>80-90</u>	<u>One sighting included about 20-25 animals; Another included 40-50 animals feeding in a small area.</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty : Leslie Sprague, Brenda Huffstetler

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge EAGLE1 - Mississippi River Gulf Outlet 1996
Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 11 / 25 / 96 Loads: 63 - 72
Area(s) Worked: N. 29-25 / W. 89-01
Weather Conditions: Strong wind 20-40 knts., seas 2 - 8', mostly cloudy (overcast)
Range of H₂O Temperature: Surface 67 F. Below Mid-Depth 66-67 F.
Condition of all screening apparatus: All screening apparatus is clean and in good shape.

Are there incidents involving endangered or protected species? Yes No

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

No incidents involving endangered species.

Material dredged is fine silt & mud. Dredges have been very clean.

Some wood and a few pinwheels found in TED's; otherwise clean.

Bridge Watch Summary

Species	# of sightings	# of Animals	Comments
	<u>None</u>		

Observers on Duty: Brenda Huffstetler, Leslie Sprague

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *EAGLE I* - Mississippi River Gulf Outlet 1996
Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 11 / 26 / 96 Loads: 73
Area(s) Worked: N. 29-25 / W. 89-01
Weather Conditions: Winds 15-40 knots., seas 3 - 6'
Range of H₂O Temperature: Surface 69 F. Below Mid-Depth 67 F.
Condition of all screening apparatus: All screening apparatus is clean and in good shape.

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.):
No incidents involving endangered species.

After load #73, we went into the dock for fuel.

There was nothing in the TED's in this load.

<u>Bridge Watch Summary</u>			
<u>Species</u>	<u># of sightings</u>	<u># of Animals</u>	<u>Comments</u>
	<u>None</u>		

Observer(s) On Duty: Leslie Sprague, Brenda Huffstetler

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *EAGLE I* - Mississippi River Gulf Outlet 1996

Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 11 / 27 / 96 Loads: 74-83

Area(s) Worked: N. 29-25 / W. 89-01

Weather Conditions: Wind 10-20 knts., seas 4 - 6', mostly cloudy

Range of H₂O Temperature: Surface 55-64 F. Below Mid-Depth 62-64 F.

Condition of all screening apparatus: All screening apparatus is clean and in good shape.

Are there incidents involving endangered or protected species? Yes No

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

No incidents involving endangered species.

Material dredged is fine silt & clay

Dredges have been very clean.

A lot of large stingrays in TED's today, plus a few flounder

Bridge Watch Summary

Species	# of sightings	# of Animals	Comments
<u>T. Truncatus</u>	<u>1</u>	<u>2</u>	<u>Bottlenose dolphins</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: Leslie Sprague, Brenda Huffstetler

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge *EAGLE1* - Mississippi River Gulf Outlet 1996
 Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 11 / 28 / 96 Loads: 84-93
 Area(s) Worked: N. 29-25 / W. 89-01
 Weather Conditions: winds 5-15 knts., seas 2 - 4', partly to mostly cloudy
 Range of H:O Temperature: Surface 64-65 F. Below Mid-Depth 62-59 F.
 Condition of all screening apparatus: All screening apparatus is clean and in good shape.

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.):
No incidents involving endangered species.
Material dredged is fine silt & mud.

Material found in baskets included 1 flounder, 12 stingrays, a seabass, pinwheels, and a catfish.

Fairly clean loads today.

Bridge Watch Summary

Species	# of sightings	# of Animals	Comments
	<u>None</u>		

Observer(s) On Duty: Leslie Sprague, Brenda Huffstetler

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *EAGLE 1* - Mississippi River Gulf Outlet 1996

Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 11/21/96 Loads: 94 to 105

Area(s) Worked: N 29.31e W 89.01

Weather Conditions: SEAS CALM - light w/swells, winds 3-10 mph, visibility 10 miles

Range of H₂O Temperature: Surface 67°-68° F Below Mid-Depth 63°-65° F

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.):

Dredging mud & silt with small amount of clay

And in TED's included starwatts, Alvinella, and other

No sightings or incidents involving protected or endangered species

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>0</u>			

Observer(s) On Duty: Brenda Huffstetler, Leslie Sprague

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge EAGLE 1 - Mississippi River Gulf Outlet 1996

Bean Dredging Co. - USACE, New Orleans District

DAILY REPORT

Date: 11 / 30 / 96 Loads: 106 through ~~113~~ ¹¹³

Area(s) Worked: N 29:26 W 89:01

Weather Conditions: seas rough 2-6ft, large swells, winds 15-30 knots overcast to

Range of H₂O Temperature: Surface 105°F Below Mid-Depth 63°F ^{partly cloudy}

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 silt / mud with some clay.
Visual observations were made from the bridge due to hazardous conditions on deck (strong wind / waves)

A few stingrays & rope were the only visible objects in the TED's.

No sightings or incidents of endangered or protected species.

* Reporting observations made through load #109: due to rough conditions, Captain & turtle observers decided it was best to leave this afternoon because of severe rough weather conditions predicted for this evening & tomorrow.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Brenda Huffstetter, Leslie Sprague

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *EAGLE I* - Mississippi River Gulf Outlet 1996

Bean Dredging Co. - USACE, New Orleans District

WEEKLY SUMMARY

Dates: 11/25/96 - 11/30/96 (Sat.) Loads: 03 to ~~05~~ 113

Range of H₂O Temperature: Surface 63°-69°F Below Mid-Depth 55°-67°F

Area(s) Worked: N 28-26 W 89:01

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

Comments:

Dredged fine silt/sand, mud & clay this week.
Loads seemed to be very clean all week.
Loads 106 through 109 were assessed from the bridge due
to rough wind & sea conditions.

Marine life in TED's this week included: numerous
stringrays, flounder, pinwheels, seabass, ~~Atlantic~~ catfish, rope & wood.

Observations by turtle observers ceased after load #109 at
due to worsening weather/sea conditions, the Captain & the
crews concluded it would be best to depart this
afternoon because more severe conditions were predicted
for tonight, tomorrow & Monday.

There were no sightings/incidents involving endangered
species this week.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T. truncatus</u>	<u>1</u>	<u>2</u>	<u>Bottlenose dolphins</u>

Observers On Duty: Leslie Sprague, Brenda Huffstetler

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge MANHATTAN IS Mississippi River Gulf Outlet
 USACE, New Orleans District - Summer/Fall 1996

DAILY REPORT

Date: 10 / 20 / 96 Loads: 001-006

Area(s) Worked: STATIONS 3750+00 → 3815+00

Weather Conditions: WIND N/NE-LT, SEAS CALM w/1' SWELL, SKY CLR, 69°-84°F

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

Condition of all screening apparatus: SEE COMMENTS

Are there incidents involving endangered or protected species? Yes No

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

THE DREDGED MATERIAL IS A MIX OF FINE SAND AND SILT. A MINIMAL AMOUNT OF DEBRIS WAS TAKEN AND INCLUDED A TIRE, WOOD, SHELL (LIGHTNING WHEEL), PLASTIC (SOFT & HARD), & MONO FISHING LINE.

THE ONLY BIOLOGICAL TAKEN WAS AN UNIDENTIFIED STINGRAY.

THE INTAKE DISCHARGE SCREENING WAS LIMITED ON LOADS 001 AND 002 BECAUSE OF IMPROPER SEATING OF THE SCREENING CONTROLLED BY HYDRAULICS. ALL OF THE INTAKE SCREENS HAD AN 8" TO 12" BY 48" GAP DURING LOAD 001 AND ONLY THE PORT SIDE HAD THIS GAP ON LOAD 002. LOADS 003 TO 006 HAD 100% INTAKE DISCHARGE SCREEN COVERAGE. THE FORWARD PORTSIDE INTAKE DISCHARGE WAS NOT USED AS THE GAP COULD NOT BE CLOSED. REPAIRS OF THE HYDRAULIC MALFUNCTION ARE SCHEDULED FOR 10/21/96.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TR (B. DOLPHIN)</u>	<u>2</u>	<u>15-19</u>	<u>IN CHANNEL WORK ARE BT G#5 AND G#7</u>

Observer(s) On Duty: DANA ROSS

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge MANHATTAN 15 Mississippi River Gulf Outlet
 USACE, New Orleans District - Summer/Fall 1996

DAILY REPORT

Date: 10 / 21 / 96 Loads: 007 - 019

Area(s) Worked: STATIONS 3750+00 → 3815+00

Weather Conditions: WIND VAR 7-18K, SEAS CALM - 4', SKY CLR - PTLY CLDY 69-91°F

Range of H₂O Temperature: Surface 72-73°F Below Mid-Depth 72-73°F

Condition of all screening apparatus: EXCELLENT THE PORT FORWARD DISCHARGE SCREENING WAS REPAIRED B/T LOADS 013 & 014. ALL SCREENING IS 100% FUNCTIONAL.

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

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

THE DREDGED MATERIAL CONTINUES TO BE A MIX OF FINE SAND AND SILT
A SMALL AMOUNT OF DEBRIS WAS TAKEN AND INCLUDED WOOD, SHELL (SANTODITH
PEN, LIGHTNING WHEEL), ROCK, PLASTIC (HARD AND SOFT), MONO FISHING LINE,
SS WIRE, SS BANDING, ALGAE, CLAY, MUD, CARPET, NETTING, RUBBER HOSE,
AND ROPE.

THE INCIDENTAL BIOLOGICAL TAKES INCLUDED TWO (2) STINGRAYS, ONE (1)
SKATE, ONE (1) EEL, AND ONE (1) 23" RED DRUM.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>FE (B. DOLPHIN)</u>	<u>3</u>	<u>10-11.</u>	<u>ALL SIGHTING W/ CHANNEL WORK AREA</u>
<u>P (GRASSHOPPER SHADOW)</u>	<u>13-14 (times)</u>	<u>1</u>	<u>WET & WEAR WHILE ON BOARD</u>

Observer(s) On Duty: DANA BOSS, MEGHAN PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN IS Mississippi River Gulf Outlet
USACE, New Orleans District - Summer/Fall 1996

DAILY REPORT

Date: 10 123 196 Loads: 37-38

Area(s) Worked: 3815+00 → 3770+00

Weather Conditions: wind=NE → NW @ 18-25K, sky=overcast, 67°-69°F

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

Condition of all screening apparatus: excellent, but TED's needed to be installed and were installed at Mobile docks.

Are there incidents involving endangered or protected species? Yes No

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

All screening apparatus is in excellent condition, but TED's need to be installed. Dredge Manhattan Island set sail for Mobile at 0300 hours arriving at Mobile docks at 1440. TED's were installed and vessel departed Mobile docks at 2200 hours.

Material being retained by screening was mud, clay, plastic.

Biological material retained by screening was wood, sawtooth penshell, lightening whelks and one unidentified ray.

Bridge Watch Summary

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

Observer(s) On Duty: Meghan Piercy / Dana Ross

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge *MANHATTAN ISLAND* - Mississippi River Gulf Outlet
 USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 10 / 24 / 1996 Loads: 039 - 049
 Area(s) Worked: STATIONS 3970+00 → 3815+00
 Weather Conditions: WIND SW-E @ 13K, SKY CLR-HAZY-PTLY CLOUDY, SEAS < 4', 71-78°F
 Range of H₂O Temperature: Surface 69-72°F Below Mid-Depth 69-72°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.):
DREDGING RESUMED TODAY AT 0741 HOURS AFTER A DELAY TO INSTALL
DRAGHEAD DEFLECTORS (TED'S). THE TED'S ARE IN EXCELLENT WORKING CONDITION.
THE DREDGED MATERIAL CONTINUES TO BE A MIX OF FINE SAND AND SILT.
THE DEBRIS TAKEN HAS BEEN REDUCED CONSIDERABLY W/ THE ADDITION OF THE
DEFLECTORS AND INCLUDED ONE (1) LIGHTNING WHEEL SHELL, ONE (1) PEN SHELL,
ONE (1) PIECE OF WOOD, AND SOME CLOTH.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u><i>Tucsiops truncatus</i></u>	<u>1</u>	<u>12</u>	<u>in channel w/1 work area off stbd bow</u> <u>~6 individuals were small subadults</u>

Observer(s) On Duty: DANA ROSS, MEGHAN PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 10 / 25 / 96 Loads: 049-063
Area(s) Worked: STATION \$ 3770+00 → 3815+00 ≠ 3785+00 → 3810+00 GREENSIDE
Weather Conditions: WIND W-SE @ 2-22 K, SEAS 2-8' W/SWELL, SKY MOSTLY CLOUDY - PTLY CLOUDY
Range of H₂O Temperature: Surface 72°F Below Mid-Depth 72°F 70-81°F
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.):
THE DREDGED MATERIAL CONTINUES TO BE A MIX OF FINE SAND AND SILT.
THE DEBRIS TAKE WAS MINIMAL AND INCLUDED PLASTIC (SOFT) & SHELL (PEN AND
LIGHTNING WHEEL).
THE BIOLOGICAL SPECIMENS TODAY WERE LIMITED TO SEVEN (7) RAYS AND
TWO (2) SLATES.
THERE WERE NO FISHING VESSELS SIGHTED IN OR NEAR THE PROJECT AREA.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: DANA ROSS, MEGHAN PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 10 / 26 / 96 Loads: 063 - 077
Area(s) Worked: STATION 3785+00 → 3810+00 GREENSIDE
Weather Conditions: WINDS SE-W 2-18K, SEAS 3-8' W/SWELL, SKY 77% MOSTLY CLOUDY 77-86°F
Range of H₂O Temperature: Surface 72-74°F Below Mid-Depth 72-74°F
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.):

THE DREDGED MATERIAL CONTINUES TO BE MIX OF FINE SAND AND SILT.
THE DEBRIS TAKEN INCLUDED SHELL (LIGHTNING WHEEL, PEN), WOOD, PLASTIC, CLOTH &
MOLDED FIBERGLASS.

THE BIOLOGICAL SPECIMENS WERE LIMITED TO THREE (3) RAYS (UNID) AND ONE
(1) LESSER ELECTRIC EEL, AND ONE (1) FLOUNDER.

MANY DEAD FISH WERE SEEN FLOATING ON THE SURFACE FROM 1000-1200
HOURS AND WERE FIRST NOTICED AFTER THE PASSING OF A FISHING TRAWLER.

ALSO, BETWEEN 1315 AND 1420 HOURS TWO FISHING TRAWLERS BEGAN
TRAWLING JUST EAST OF THE PROJECT AREA.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: DANA BOSS, MEGHAN PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 10 / 27 / 1996 Loads: 098 - 092
Area(s) Worked: STATIONS 3785+00 → 3810+00 GREENSIDE
Weather Conditions: WIND CALM-ESE @ 16', SEAS 2-3', SKY HAZY-CLR, 75-90° F
Range of H₂O Temperature: Surface 72-74° F Below Mid-Depth 72-74° 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.): _____

THE DREDGED MATERIAL CONTINUES TO BE A MIX OF FINE SAND & SILT. THERE WAS A MINIMAL AMOUNT OF DEBRIS TAKEN WHICH INCLUDED RUBBER, PLASTIC (HARD), TIN CAN, MOLDED FIBERGLASS, CLOTH, FISHING/TRAWL NETTING AND SHELL (LIGHTNING WHELK).

THE BIOLOGICAL SPECIMENS TAKEN TODAY INCLUDED ONE (1) BLUE CRAB AND ONE (1) UNID' CRAB, THREE (3) SMALL STINGRAY, AND ONE (1) FISH HEAD (RED DRUM).

THE DRAGHEAD DEFLECTORS (TED'S) ARE IN GOOD CONDITION AND APPEAR TO BE WORKING NORMALLY.

AROUND 1415 HOURS, LARGE AREAS OF THE WATER'S SURFACE WERE NOTICED TO BE COVERED BY OIL SLICKS IN A DECOMPOSING STATE. THEY APPEARED TO BE COMING UPWIND (SE) FROM THE WORK AREA AND HAD THE APPEARANCE OF DIRTY MILK. THE SIGHTINGS CONTINUED INTO THE NIGHT.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TF (B. DOLPHIN)</u>	<u>2</u>	<u>14-16</u>	<u>W/E AND WEST OF THE WORK AREA</u>
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: JANA ROSS, MEGHAN PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 10 / 28 / 1996 Loads: 093-106

Area(s) Worked: STATIONS 3785+00 → 3810+00 GREENSIDE

Weather Conditions: CALM-LT / VAR. , SEAS < 2' W / SWELL, P/C - CLR, 73-93°F

Range of H₂O Temperature: Surface 74-76°F Below Mid-Depth 74-76°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.):

THE DREDGED MATERIAL CONTINUES TO BE A MIX OF FINE SAND & SILT. THE DEBRIS TAKE CONSISTED OF WOOD, FISHING/TRAWL NETTING, PLASTIC, ROPE & SHELL (PEN)

ONE (1) FLOUNDER AND ONE (1) STINGRAY WERE THE ONLY BIOLOGICAL SPECIMENS TAKEN TODAY.

MOST OF THE DREDGING ACTIVITY CONTINUES TO BE AGITATION ORIENTED AS OPPOSED TO THE TRANSFER OF SEDIMENT TO THE SLUMP.

THERE WERE NO TRAWLERS WORKING IN THE AREA TODAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: DIANA COSS, MEGHAN PIERCE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge PADRE ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 10 / 28 / 96 Loads: 24 to 36
Area(s) Worked: MISS. R. GULF OUTLET stations 375⁵⁰ to 381⁵⁰ *
Weather Conditions: LIGHT, mostly southerly breezes ~ 5 knots, mostly clear skies, seas 2-3
Range of H₂O Temperature: Surface Below Mid-Depth 13°F @ 0800hrs
Condition of all screening apparatus: EXCELLENT - 100% inflow

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

Comments (type of material being dredged, biological specimens, etc.):
CONTINUED DIGGING, FROM THE CENTER LINE TO THE RED TOW LINE
MOSTLY CLEAN, FINE SANDY SILT MATERIAL
SOME PCS. METAL/INDUSTRIAL HARDWARE TRASH, & A FEW PCS. OLD SHELL -
WHELK & OYSTER.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Pteronotus</u>	<u>1</u>	<u>2</u>	<u>about the "G7" CHANNEL MARKER</u>

Observer(s) On Duty: LIZ POMFRET / JOHN KUECHT

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 10 / 29 / 96 Loads: 107-120
Area(s) Worked: STATIONS 3785+00 → 3810+00 GREENSIDE / 3880+00 → 3920+00
Weather Conditions: CALM - LT/S-W, SEAS CALM - 2' w/SWELL, SKY CR-PTCY CLOUD, 73-93°F
Range of H₂O Temperature: Surface 74°F Below Mid-Depth 74°F
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.):

THE DREDGED MATERIAL CONTINUES TO BE A MIX OF FINE SAND AND SILT. THE DEBRIS TAKEN TODAY INCLUDED FISHING/TRAWL NETTING, PLASTICS, WOOD, STEEL/PEN), ROCK, AND A METAL CAN.

THE BIOLOGICAL SPECIMENS INCLUDED ONE (1) SEASTAR, AND THREE (3) STINGRAYS (2 UNID AND 1 LESSER ELECTRIC).

THERE WERE NO TRAWL/FISHING VESSEL OBSERVED IN THE AREA TODAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Te (B. DOLPHIN)</u>	<u>2</u>	<u>10</u>	<u>OBSERVED NEAR DEJECT AREA</u>

Observer(s) On Duty: DANA ROSS, MEGHAN PIERCE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 10 / 30 / 196 Loads: 122-135
Area(s) Worked: 3785+00 → 3810+00 Greenside
Weather Conditions: wind calm → W → SW → calm @ 6-10K, seas = calm → 2', sky = clear → cldy, 74°-76° F
Range of H₂O Temperature: Surface 74°-76° F Below Mid-Depth 74°-76° 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.):

Dredged materials continue to be a mix of fine sand and silt.
Non-biological materials retained by screening was rope, cloth, steel,
fishing/ trawl netting, plastic and wire mesh.

Biological materials retained by screening were wood, one unidentified
crab (≈ 6"-7" red, not a spider crab), sawtooth pen shells, lightening whelks,
8 flounder, 2 stingrays.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tursiops truncatus</u>	<u>5</u>	<u>0650</u>	<u>In and out of channel, off & on all morning.</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: _____

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 10 / 31 / 96 Loads: 136-151
Area(s) Worked: 3785+00 → 3810+00, 3780+00 → 3920+00 (1 load)
Weather Conditions: wind=calm → 10K (NE → SW), sky=clear → overcast, seas=calm → 1', 74°F - 82°F
Range of H₂O Temperature: Surface 76°F Below Mid-Depth 76°F
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.):

Materials dredged continue to be fine sand and silt.

Non-biological materials retained by screening were; cloth, wire mesh, electrical cable, garden hose, plastics, fishing net scrap, scrap metal, copper scrap, coffee can, aluminum can,

Biological materials retained by screening were; wood, large quantity of penshells (especially from section 3780 → 3920), 5 flounder, 2 spotted trout, grass, 1 very old unid. fish head, 1 large (manta?) ray (old kill),

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tursiops truncatus</u>	<u>2</u>	<u>12</u>	<u>In channel and returning from dump site.</u>

Observer(s) On Duty: Meghan Piercy / Dana Ross

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 11 / 1 / 1996 Loads: 152-164

Area(s) Worked: 3785+00 → 3810+00, 3880+00 → 3892 (1 load only)

Weather Conditions: wind = calm → 10K, sky = clear → partly cloudy, seas = calm → < 2', 74°F - 84°F

Range of H₂O Temperature: Surface 75°F - 77°F Below Mid-Depth 75°F - 77°F

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 continues to be a mixture of fine sand and silt.

Nonbiological objects retained by screening were: plastic, steel pipe, PVC pipe, plastic bottle.

Biological specimens retained by screening were: wood sawtooth pen shells, 1 *Carolinian* and 3 flounder.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u><i>Tursiops truncatus</i></u>	<u>1</u>	<u>3</u>	<u>in channel = one individual has a large chunk taken out of its dorsal fin.</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: Meghan Piercy / Dana Ross

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 11 / 2 / 96 Loads: 165-179
Area(s) Worked: 3785+00 → 3810+00
Weather Conditions: wind N→NW@8-31k, sky=overcast→clear, seas=<2'→6'
Range of H₂O Temperature: Surface 74-76°F Below Mid-Depth 74-76°F
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.):

Materials dredged continue to be fine sand and silt.

Non-biological materials retained by screening were: rag, plastics, plastic pipe.

Biological specimens retained by screening were: 1/2 red drum (large),
lightening whelk, sawtooth penshell, 1 flounder, 2 stingray.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tursiops truncatus</u>	<u>1</u>	<u>2</u>	<u>≈ 50 m off port bow of dredge in channel</u>

Observer(s) On Duty: Meghan Piercy / Dana Ross

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: MANHATTAN IS.- Mississippi River Gulf Outlet

USACE, New Orleans District - Summer/Fall 1996

WEEKLY SUMMARY

Dates: 10/27/96 - 11/2/96 Loads: 078-179

Range of H₂O Temperature: Surface 72-77°F Below Mid-Depth 72-77°F

Area(s) Worked: STATIONS 3785+00 -> 3810+00 (GREENSIDE), 3880+00 -> 3920+00
3780+00 -> 3920+00, 3880+00 -> 3892+00

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

Comments: THE DREDGED MATERIAL CONTINUES TO BE A MIX OF FINE SAND AND SILT. A MAJORITY OF THE DREDGING TIME IS AGITATION ONLY.

A VERY MINIMAL AMOUNT OF DEBRIS WAS TAKEN AND INCLUDES RUBBER, PLASTICS (HARD AND SOFT), TIN CANS, MOLDED FIBERGLASS, CLOTH, FISHING/TRAWL NETTING, SHELL/LIGHTNING WALK AND PENSHELL, ROPE, ROCK, STEEL, WIRE MESH, ELECTRICAL CABLE, GARDEN HOSE, COPPER SCRAP, ALUMINUM CAN, AND PVC PIPE.

BIOLOGICAL SPECIMENS SAMPLED INCLUDED FISH (1/2 LARGE RED DRUM, ONE (1) RED DRUM FISH HEAD, ONE (1) UNID'D FISH HEAD, EIGHTEEN (18) FOUNDER CRAB (ONE (1) BLUE, TWO UNID'D), ONE (1) SEASTAR (UNID'D), STINGRAY (TWELVE (12) UNID'D, ONE (1) LESSER ELECTRIC RAY, TWO SPOTTED SEA TROUT, AND GRASS.

ON 10/27/96 AROUND 1415 HOURS, LARGE AREAS OIL WERE SIGHTED IN AND AROUND THE WORK AREA. THEY WERE VISIBLE ALL AFTERNOON AND INTO THE EVENING HOURS.

THERE WERE NO FISHING/TRAWL VESSELS OBSERVED WORKING NEAR THE PROJECT AREA THIS WEEK.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt (B. DOLPHIN)	9	46-48	MOST SIGHTINGS WERE W/ THE WORK AS WELL AS DURING TRANSPORT T/F THE DUMPSITE

Observers On Duty: DANA ROSS, MEGHAN PIRACY

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge *MANHATTAN ISLAND* - Mississippi River Gulf Outlet
 USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 11 / 3 / 96 Loads: 180 - 193

Area(s) Worked: STATIONS 3785+00 → 3810+00 GREENSIDE

Weather Conditions: WINDEN/NE @ 8-20 K, SEAS < 6' w/swell, SKY P/C-CLR, 56-81°F

Range of H₂O Temperature: Surface 69-74°F Below Mid-Depth 69°-71°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.):

THE DREDGED MATERIAL CONTINUES TO BE A MIX OF FINE SAND AND SILT.
THE DEBRIS CONTAINED IN THE INFLOW SCREENING INCLUDED CLOTH, PLASTIC, WOOD,
HYDRAULIC FITTINGS AND STEEL (PEN).

THE BIOLOGICAL SPECIMENS OBSERVED INCLUDED SIX (6) FLOUNDER, TWO (2) HAREMSHEAD
CATFISH, ONE (1) LESSER ELECTRIC RAY, ONE (1) UNID CRAB, EIGHT (8) UNID'O
STING RAY'S AND ONE (1) ATLANTIC STINGRAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TE (B. DORRIS)</u>	<u>1</u>	<u>4</u>	<u>W/I WORK AREA</u>

Observer(s) On Duty: DANA ROSS, MEGHAN PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 11 / 4 / 196 Loads: 194-206

Area(s) Worked: 3785+00 → 3810+00

Weather Conditions: wind = E → SE @ 1-14k, sky = p/c → overcast, seas = 2'-6', 62°F - 85°F

Range of H₂O Temperature: Surface 67°F - 70°F Below Mid-Depth 69°F - 70°F

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.):

Dredged material continues to be fine sand and silt. The only non biological material retained by screening has been one plastic gallon jug.
Biological specimens retained by screening were: 3 unidentified rays, 1 Lesser Electric Ray, 1 Gaff Topsail Catfish, 1 flounder, 2 unidentified fish, lightening whelks, sawtooth penshells and wood.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tursiops truncatus</u>	<u>2</u>	<u>12</u>	<u>near dumpsite,</u>

Observer(s) On Duty: Meghan Piercy / Dana Ross

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 11 / 5 / 196 Loads: 207-218

Area(s) Worked: 3785+00 → 3810+00

Weather Conditions: wind = calm → S, SE @ 0-4k, sky = clear - mostly cloudy, seas = 6' - calm, 71° - 85°F

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

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 continues to be fine sand and silt.
Non biological materials retained by screening were: plastics, monofilament line, rope
Biological specimens retained by screening were: lightening whelks, 4 flounder,
2 red drum, sawtooth penshells, algae, grass, 3 unidentified rays and wood.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tursiops truncatus</u>	<u>2</u>	<u>7</u>	<u>crossed in front of bow in channel while dredging</u> <u>one group went directly beneath dredge while dredging.</u>

Observer(s) On Duty: Meghan Piercy / Dana Ross

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 11 16 196 Loads: 219-232
Area(s) Worked: STATIONS 3785+00 → 3810+00 (SEENSIDE)
Weather Conditions: WIND CALM-SE @ 16k. SEAS CALM- 3-4' w/swell, SKY CLR-MFC, 72-80°
Range of H₂O Temperature: Surface 71°F Below Mid-Depth 71°F
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.):

THE DREDGED MATERIAL CONTINUES TO BE A MIX OF FINE SAND AND SILT
MINIMAL AMOUNTS OF DEBRIS WERE TAKEN AND INCLUDE SHELL (LIGHTNING
WHEEL) CABLE, MONOFILAMENT FISHING LINE (100 LB (4)), METAL PIPE, RUBBER
AND HYDRAULIC FITTINGS.

THE INCIDENTAL BIOLOGICAL TAKE INCLUDED ONE (1) SEASTAR, TWO (2) FIDWASER
AND TWO (2) UNID'S STINGRAYS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TE (B. DOLPHIN)</u>	<u>3</u>	<u>13</u>	<u>W/ THE PROJECT AREA</u>

Observer(s) On Duty: DANA ROSS, MAGGIE DIERCK

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 11 / 7 / 196 Loads: 233-245

Area(s) Worked: 3785+00 → 3810+00

Weather Conditions: wind=SE-W @ 8-25K, sky=clear-overcast, seas=1-6, 67°F-80°F

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

Dredged material continues to be fine sand and silt.

Non biological material retained by screening was: plastic, rope, soda can, rubber, fiberglass bag, aluminum foil.

Biological specimens retained by screening were: wood, sawtooth pen shells, 4 unidentified rays, 1 unidentified skate, 1 flounder

Bridge Watch Summary

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

Observer(s) On Duty: Meghan Percy / Dana Ross

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 11 18 196 Loads: 246-257

Area(s) Worked: STATIONS 3785+00 → 3810+00 GREENSIDE

Weather Conditions: WINDS N/NW @ 12-35K, SEAS 2-6', SKY CUDY-RAIN-CUR, 62-69°F

Range of H₂O Temperature: Surface 70-71°F Below Mid-Depth 71°F

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.):

THE DREDGED MATERIAL CONTINUES TO BE A MIX OF FINE SAND AND SILT.
THE DEBRIS RETAINED IN THE INFLOW SCREENING CONSISTED OF SHELL (PENSHELL,
LIGHTNING WHELL, WOOD, PLASTIC, ALUMINUM SODA CAN, AND ROPE.
THE INCIDENTAL BIOLOGICAL TAKE INCLUDED TWO (2) UNIO'S STINGRAY, ONE (1)
UNIO'S SKATE, THREE (3) FLOWNER, ONE (1) LG. RED DRUM (HEADLESS), AND ALGAE.

Bridge Watch Summary

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

Observer(s) On Duty: DANA ROSS, MEGHAN PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge *MANHATTAN ISLAND* - Mississippi River Gulf Outlet
 USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 11 / 9 / 96 Loads: 258 - 269

Area(s) Worked: STATION 3785+00 → 3810+00 GREENSIDE

Weather Conditions: WIND N/NW 17K - CALM, SEAS 6' - CALM, SKY CLR, 58° - 74°F

Range of H₂O Temperature: Surface 66 - 69°F Below Mid-Depth 69 - 70°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.): _____

THE DREDGED MATERIAL CONTINUES TO BE A MIX OF FINE SAND AND SILT.
THE DEBRIS TAKE TODAY INCLUDED SHELL (OEN, LIGHTNING WHEEL) AND STEEL HARDWARE.
THE INCIDENTAL BIOLOGICAL SPECIMENS TAKEN TODAY WERE TWO (2) SKATES (UNID'O),
ALGAE, SIX (6) FLOUNDER, FISH PARTS (UNID'O), TWO (2) LESSER ELECTRIC RAYS, ONE (1)
COWNOSE RAY, AND FIVE STINGRAY (UNID'O).

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TE (BO DAPHTN)</u>	<u>3</u>	<u>7</u>	<u>W/I PROJECT AREA & DUMP SITE</u>
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: DANA ROSS, MEGHAN PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
 USACE, New Orleans District - Fall 1996

WEEKLY SUMMARY

Dates: 11 13 196 - 11 19 196 Loads: 180 - 269

Range of H₂O Temperature: Surface 67-74° F Below Mid-Depth 69-73° F

Area(s) Worked: STATIONS 3785+00 → 3810+00 GREENSIDE

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

Comments:

THE DREDGED MATERIAL CONTINUES TO BE A MIX OF FINE SAND AND SILT.
A MINIMAL AMOUNT OF DEBRIS WAS RETAINED IN THE INFLOW SCREENS. THE DEBRIS
INCLUDED CLOTH, PLASTIC, WOOD, SHELL (PEN, WHELK), HYDRAULIC FITTINGS, MONOFILAMENT
FISHING LINE, ROPE, CABLE, METAL PIPE, RUBBER, ALUMINUM SODA CAN, FIBERGLASS
BAG, ALUMINUM FOIL, AND STEEL HARDWARE.
THE FOLLOWING IS A LIST OF BIOLOGICAL SPECIMENS RETAINED IN THE INFLOW SCREENS.
TWENTY-THREE (23) FLOUNDER
THREE (3) LESSER ELECTRIC RAY
ONE (1) COW NOSE RAY
TWENTY-SEVEN (27) STING RAYS (UNID'O)
ONE (1) CRAB (UNID'O)
ONE (1) ATLANTIC STING RAY
ONE (1) GAFF TOPSAIL CATFISH
TWO (2) HAREHEAD CATFISH
TWENTY-ONE FLOUNDER (UNID'O)
TWO (2) FISH (UNID'O)
FISH PARTS (UNID'O)
THREE (3) RED DRUM
ONE (1) SEA STAR
ALGAE AND GRASS

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TE (B. DOLPHIN)</u>	<u>11</u>	<u>40</u>	<u>W/F THE PROJECT AREA AND DUMP SITE</u>

Observers On Duty: DANIA ROSS, MEGHAN DISLEY

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 11 / 10 / 96 Loads: 270-280

Area(s) Worked: 3785+00 → 3810+00

Weather Conditions: wind=N→W@0-12k, sky=clear, 56°F-67°F

Range of H₂O Temperature: Surface 66°-72°F Below Mid-Depth 67°F-72°F

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.):

Dredged material is still fine sand and silt.

Non-biological materials retained by screening were: cloth, plastic, steel pipe.

Biological specimens retained by screening were: wood, algae, 2 spotted sea trout, 2 catfish, 5 unidentified rays, 1 Lesser Electric Ray, 5 flounder and 2 unidentified fish, 1 crab.

At 0716, the Alice Moran tug hauled a barge with a leaking load inbound.

Bridge Watch Summary

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

Observer(s) On Duty: Meaghan Piercy / Dana Ross

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge *MANHATTAN ISLAND* - Mississippi River Gulf Outlet
 USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 11 / 11 / 96 Loads: 281-289

Area(s) Worked: 3785+00 → 3810+00

Weather Conditions: wind=NE-SE, calm → 12k, seas=calm-2', sky=clear, 63°F-73°F

Range of H₂O Temperature: Surface 66°F-72°F Below Mid-Depth 66°F-72°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.): _____

Type of material being dredge is fine sand and silt.
Non-biological material retained by screening was: tin can, aluminum scrap, cloth, rope
Biological specimens retained by screening apparatus were: wood, algae, grass,
1 unidentified skate, 3 Lesser Electric Rays, unidentified rays, 2 Flounder,
1 Red Drum, sawtooth penshells

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Various species of dead fish</u>	<u>all morning</u>	<u>1000+</u>	<u>across channel at project area, dead, floating. This may be a result of barge leakage that was observed yesterday.</u>
<u>Tursiops truncatus</u>	<u>2</u>	<u>9</u>	<u>within project area</u>

Observer(s) On Duty: Meahan Pierce, Dana Ross

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 11 / 12 / 1996 Loads: 290-300

Area(s) Worked: 3785+00 → 3810+00

Weather Conditions: Wind = E-SE @ 4-18K, Seas = < 2'-6', Sky = Clear, 62°F - 70°F

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

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 a mixture of fine sand and silt.

Non-biological material retained by screening was: plastics, cloth, steel pipe

Biological specimens retained by screening were: 3 Atlantic Stingray, 11 unidentified rays, 1 flounder, 1 redfish.

More dead fish were floating on the surface at the work area today. The following is a clipping from the Times-Picayune.

Cool weather along the Industrial Canal Monday reduced the threat posed by a barge leaking toxic chemicals, as authorities began removing the hazardous materials and investigating why the damaged cargo was allowed to enter New Orleans in the first place.

"The weather is the biggest ally," said Bob Darcey, head of the New Orleans Fire Department's hazardous materials unit, as workers dressed in yellow hazmat spacesuits toiled over the barge.

Vinyl acetate, a flammable

substance that is toxic when ingested or inhaled, had been leaking from a tank this past weekend. The substance crystallizes below 70 degrees, causing it to solidify and stop leaking, said Darcey, adding that no chemical had gone into the waterway.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Meaghan Piercy, Dana Ross

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 11 / 13 / 96 Loads: 301-311

Area(s) Worked: 3785+00 → 3810+00, 3880+00 → 3920+00

Weather Conditions: wind = E-ENE @ 6-20k, seas = 4-6', sky = clear-plc, 65°-82°F

Range of H₂O Temperature: Surface 67°F-68°F Below Mid-Depth 66°F-67°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 fine sand and silt. Rubber and hydraulic fittings were retained by screening. Biological specimens retained were: wood, penshe's, whelk, 4 unidentified rays and 6 Atlantic Stingrays.

Loads #309-310 were dug at stations 3880+00 → 3920+00 as a result of a container ship grounded in the channel.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tursiops truncatus</u>	<u>2</u>	<u>14-16</u>	<u>within project area</u>

Observer(s) On Duty: Meghan Piccay / Dana Ross

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 11 / 15 / 96 Loads: 327 - 329

Area(s) Worked: 3785+00 → 3810+00

Weather Conditions: wind = E @ 10-15K, seas = 3'-5', sky = p/c - clear, 70°F

Range of H₂O Temperature: Surface _____ 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.): _____

Material dredged is fine sand and silt. Specimens retained by screening were: wood, 2 Atlantic Stingrays, 1 unidentified ray.

Dredge Manhattan Island left work area at 04:00 and headed for Pilot Town Anchorage (≈ 2 miles north of the top of Southwest Pass) to take on fuel from a barge. The dredge arrived at anchorage at approximately 14:00 hours and re-fueling was completed at 0005 on 11/16.

Bridge Watch Summary

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

Observer(s) On Duty: Meghan Piercy, Dana Ross

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
 USACE, New Orleans District - Fall 1996

WEEKLY SUMMARY

Dates: 11 / 10 / 96 - 11 / 16 / 96 Loads: 270-329
 Range of H₂O Temperature: Surface 66°F - 72°F Below Mid-Depth 66°F - 72°F
 Area(s) Worked: 3785+00 → 3810+00, 3880+00 → 3920+00

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

Comments: On 11/14/94 the remains of a *Caretta caretta* (Loggerhead Sea Turtle) were found in loads # 312 and # 318. Matching the two sets of remains revealed that only one sea turtle was killed. Load 312 contained the anterior portion and load 318 contained the posterior portion. Species identification was based on two pairs of pre-frontal scales, two visible claws on each flipper (foreward and aft), reddish brown coloration on the dorsal side and yellowish brown coloration on the ventral side. For more information, see Daily Report with Incident Reports and accompanying photographs.

Dredged material has been fine sand and silt. Non-biological materials retained by screening were: cloth, plastics, steel pipe, rope, aluminum scraps, tin can, rubber, hydraulic fittings, sheet metal and a draghead tooth.

Biological specimens retained by screening in addition to the *Caretta caretta* were: wood, algae, grass, penshells, moonsnails, 2 spotted sea trout, 2 catfish, 38 Unidentified Rays, 4 Lesser Electric Rays, 17 Atlantic Rays, 8 Flounder, 2 Unidentified Fish, 1 Red Drum, 1 Unidentified Skate, 1 Redfish, 1 Mackerel, Unidentified visera.

Section 3880+00 → 3920+00 was dredged on 11/13 during loads # 309-310 as a result of a container ship being grounded in the channel.

On 11/10 the Tug Alice Moran hauled a barge with a load which reportedly (by Captain Russell) was leaking. The E.S. observer was checking screening at the dump and didn't notice leakage. The barge contents was vinyl acetate which crystalizes below 70°F. The temp. was 60°F. On 11/15 the New Orleans Times-Picayune reported a bad case of red tide in MRGD, which may explain large quantities of dead fish observed at the work area on 11/11 and 11/12. On 11/15-11/16 dredge refueled at Pilot House Anchorage

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u><i>Tucisnope truncatus</i></u>	<u>4</u>	<u>23-25</u>	<u>within project area</u>
<u>Various species of dead fish</u>	<u>2</u>	<u>2000+</u>	<u>seen off and on during the days of 11/11 and 11/12</u>

Observers On Duty: Meghan Piercy / Dana Ross

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 11 / 16 / 96 Loads: N/A

Area(s) Worked: N/A

Weather Conditions: wind = E @ 10-20k, sky = clear-overcast, seas = <2', ≈ 70°F - 80°F

Range of H₂O Temperature: Surface _____ 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.): _____

Dredge Manhattan Island remained anchored at Pilot House Anchorage while performing maintenance and avoiding rough weather in the Gulf. Manhattan Island mates reported that the Eagle I (also dredging in MRGO) are anchored as well.

Bridge Watch Summary

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

Observer(s) On Duty: Meghan Piercy, Dana Ross.

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 11 / 17 / 96 Loads: ∅
Area(s) Worked: ∅
Weather Conditions: Windy, overcast, ≈ 70°F.
Range of H₂O Temperature: Surface N/A Below Mid-Depth N/A
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.):
Dana Ross departed from the dredge at 13:00 hours.
Dredge Manhattan Island remained anchored at Pilot House Anchorage
on the Mississippi River until 15:30. The vessel arrived at MRGO
work area at 03:00 on 11/18, where the seas had markedly diminished.

Bridge Watch Summary

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

Observer(s) On Duty: Meghan Piercy

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 11 / 18 / 96 Loads: 330 - 344

Area(s) Worked: 3770 + 00 → 3810 + 00

Weather Conditions: WIND: ESE 1-7 KNT / SEAS: 1-5 FT / SKY: P/C

Range of H₂O Temperature: Surface 69-70°F Below Mid-Depth 70°F

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.):

Dredge Manhattan Island arrived at MRGO and began dredging at 0300. Jim Henderson boarded vessel at 13:00.

MATERIAL DREDGED IS FINE SAND AND SILT. SPECIMENS RETAINED BY SCREENING WERE: WOOD DEBRIS, STINGRAYS, SHELL, PLASTICS, SEABASS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tursiops Truncatus</u>	<u>1</u>	<u>2</u>	<u>1/2 MILE N OF WORK AREA</u>
<u>N. Gannet</u>	<u>1</u>	<u>1</u>	<u>HEADING SOUTH</u>
<u>Portuguese Man O'WAR</u>	<u>1</u>	<u>1 COLONY</u>	

Observer(s) On Duty: Meghan Piercy / JIM HENDERSON

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 11 / 19 / 96 Loads: 345 - 361
Area(s) Worked: 3770 + 00 → 3810 + 00
Weather Conditions: WIND = CALM, SEAS = CALM, SKY = P/C,
Range of H₂O Temperature: Surface 69°-70°F Below Mid-Depth 69°-70°F
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 FINE SAND AND SILT. SPECIMENS
RETAINED BY SCREENING WERE: WOODY DEBRIS, FLOUNDER,
STINGRAY, PLASTICS, CLOTH, SHELL, MISCELLANEOUS TRASH.

WATER TEMPERATURES TAKEN OVER THE SIDE OF SHIP.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tursiops truncatus</u>	<u>5</u>	<u>12</u>	<u>Sighted Around Work Area</u>
<u>Portuguese Man 'O' War</u>	<u>1</u>	<u>3 colonies</u>	

Observer(s) On Duty: MEGHAN PIERCY + JIM HENDERSON

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 11 / 20 / 96 Loads: 361 → 371
Area(s) Worked: 3770 + 00 → 3810 + 00
Weather Conditions: WINDS VAR CALM - 8 KNOTS, SKIES HAZY TO PRTY CLOUDY, SEAS CALM TO 2', T 69
Range of H₂O Temperature: Surface 70° - 71° F Below Mid-Depth 68° - 70° F
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 BEING DREDGED IS FINE SAND AND SILT. BIOLOGICAL SPECIMENS
INCLUDED STINGRAY (NO ID), CATFISH. OTHER DEBRIS CONSISTED OF WOOD,
SHELL, ROPE, PLASTIC AND MISCELLANEOUS TRASH.

ANCHOR WAS DROPPED AT 0124 TO AVOID WORKING IN FOGGY CONDITIONS.
OBSERVER MEGHAN PIERCY WAS REPLACED BY AMY GAGNON AT 0900.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TURSIDS TRUNCATUS</u>	<u>2</u>	<u>0702</u>	<u>SWIMMING WEST, IN WORK AREA</u>

Observer(s) On Duty: MEGHAN PIERCY / JIM HENDERSON / AMY GAGNON

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 11 / 21 / 96 Loads: 372 - 386
Area(s) Worked: 3770 +00 → 3810 +00
Weather Conditions: WINDS - CALM, SEAS 1-2 FT, SKY - P/C
Range of H₂O Temperature: Surface 67°-70°F Below Mid-Depth 68°-69°F
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 BEING DREDGED CONSISTS OF ~~SAND~~ FINE SAND AND SILT. BIOLOGICAL SPECIMENS INCLUDED UNIDENTIFIED STINGRAYS, CRAB, AND FLOUNDER.
ALSO COLLECTED IN SCREENS WAS SHELL, ROPE, WOOD, PLASTIC.
DREDGE WAS AT ANCHOR FROM 0302 UNTIL 0553 DUE TO POOR VISIBILITY CAUSED BY FOG

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TURSIOPS TRUNCATUS</u>	<u>2</u>	<u>6</u>	<u>SIGHTED AROUND WORK AREA</u>

Observer(s) On Duty: JIM HENDERSON / AMY GAGNON

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge *MANHATTAN ISLAND* - Mississippi River Gulf Outlet
 USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 11 / 22 / 96 Loads: 387 - 403
 Area(s) Worked: 3770 + 00 → 3810 + 00
 Weather Conditions: PARTLY CLOUDY, SEAS 1-4', WINDS NE TO SE 5-20 KNOTS, T-60°-68°F
 Range of H₂O Temperature: Surface 68°F Below Mid-Depth 68°-69°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 BEING DREDGED IS FINE SAND AND SILT WITH FEW BIOLOGICAL SPECIMENS AND LITTLE DEBRIS FOUND IN SCREENS. SPECIMENS INCLUDE STINGRAYS (UNIDENTIFIED) AND CRAB. DEBRIS CONSISTS OF WOOD, PLASTIC, ROPE AND SHELL.

IT WAS ANNOUNCED TODAY THAT THE CONTRACT HAS BEEN EXTENDED ANOTHER 2-3 MONTHS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TURSIOPS TRUNCATUS</u>	<u>1</u>	<u>6</u>	<u>HEADING EAST OF WORK AREA, 1247</u>

Observer(s) On Duty: AMY GAGNON / JIM HENDERSON

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 11 / 23 / 96 Loads: 404 - 419
Area(s) Worked: 3770 + 00 → 3810 + 00
Weather Conditions: SCATTERED CLOUDS TO OVERCAST, SEAS 1-3', WINDS E TO S 1-10 KNOTS, T-60°-76°F
Range of H₂O Temperature: Surface 68°F Below Mid-Depth 67°-68°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 BEING DREDGED CONSISTS OF FINE SAND AND SILT. FEW BIOLOGICAL SPECIMENS INCLUDING STINGRAY, FLOUNDER AND CATFISH AND SMALL AMOUNTS OF DEBRIS (WOOD, SHELL, ALUMINUM, PLASTIC, RUBBER, ROPE) WERE COLLECTED IN BOXES.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TURSIDS TRUNCATUS</u>	<u>2</u>	<u>3</u>	<u>HEADING NE FROM WORK AREA</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: AMY GAGNON / JIM HENDERSON

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge *MANHATTAN ISLAND* - Mississippi River Gulf Outlet
 USACE, New Orleans District - Fall 1996

WEEKLY SUMMARY

Dates: 11 / 17 / 96 - 11 / 23 / 96 Loads: 330 - 419
 Range of H₂O Temperature: Surface 67° - 71° F Below Mid-Depth 67° - 70° F
 Area(s) Worked: 3770 + 00 → 3810 + 00

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

Comments: _____
THE DREDGED MATERIAL CONTINUES TO BE A MIX OF FINE SAND AND SILT. SMALL AMOUNTS OF DEBRIS COLLECTED IN THE INFLOW SCREENS CONSISTED OF WOOD, SHELL, PLASTIC, CLOTH, ROPE, ALUMINUM, AND RUBBER. FEW BIOLOGICAL SPECIMENS WERE RETAINED IN THE SCREENS: STINGRAYS (UNIDENTIFIED), SEABASS, CATFISH, CRAB (UNIDENTIFIED), AND FLOUNDER.

DANA ROSS WAS REPLACED BY JIM HENDERSON ON 11/18/96 AND MEGHAN PIERCY BY AMY GAGNON ON 11/20/96. THE MRGO PROJECT CONTRACT ~~WAS~~ WAS EXTENDED BY 2-3 MONTHS ON 11/22/96.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TURSIOPS TRUNCATUS</u>	<u>13</u>	<u> </u>	<u>SIGHTED NEAR WORK AREA</u>
<u>N. GANNET</u>	<u>1</u>	<u>1</u>	<u>HEADING SOUTH</u>
<u>PORTUGUESE MAN'O'WAR</u>	<u>2</u>	<u>4 COLONIES</u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

Observers On Duty: MEGHAN PIERCY / JIM HENDERSON / AMY GAGNON

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 11 / 29 / 96 Loads: 420 - ~~435~~ 435
Area(s) Worked: 3770 + 00 → 3810 + 00
Weather Conditions: CLEAR TO CLOUDY w/ RAIN, SEAS 1-5', WINDS S TO SE 1-20 KNOTS, T- 68°-80°
Range of H₂O Temperature: Surface 68° F Below Mid-Depth 68° 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 BEING DREDGED CONSISTS OF FINE SAND AND SILT WITH LITTLE COLLECTED IN BOXES. BIOLOGICAL SPECIMENS INCLUDED STING RAY (10, UNIDENTIFIED), AND ONE CRAB (1, ~~UNIDENTIFIED~~) DEBRIS INCLUDED PLASTIC, WOOD AND FIBERGLASS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>NONE</u>	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: AMY GAGNON / JIM HENDERSON

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 11 / 25 / 96 Loads: 436 - 451
Area(s) Worked: 3770 + 00 → 3810 + 00
Weather Conditions: PTLY CLOUDY W/ RAIN, SEAS 2-5', WINDS N TO W 15-30 KT, T-52°-69° F
Range of H₂O Temperature: Surface 67° F Below Mid-Depth 68° 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 BEING DREDGED IS A MIXTURE OF FINE SAND AND SILT. BIOLOGICAL SPECIMENS INCLUDED 7 UNIDENTIFIED STINGRAY, CATFISH, 2 FLOUNDER, 1 UNIDENTIFIED FISH. DEBRIS COLLECTED IN BOXES INCLUDED PLASTIC, FIBERGLASS, WOOD, FABRIC, SHELL, NET AND SEAGRASS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TURSIOPS TRUNCATUS</u>	<u>3</u>	<u>11</u>	<u>SIGHTED IN WORK AREA</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: AMY GAGNON / TIM HENDERSON

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN IS Mississippi River Gulf Outlet
USACE, New Orleans District - Summer/Fall 1996

DAILY REPORT

Date: 11 / 26 / 96 Loads: 453 - 466
Area(s) Worked: 3770 + 00 → 3810 + 00
Weather Conditions: PTLY CLOUDY TO CLOUDY, SEAS 3-5', WIND N TO NW 15-25 KT, T -
Range of H₂O Temperature: Surface 67°-68° F Below Mid-Depth 68° F 50°-53°
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 BEING DREDGED CONSISTS OF FINE SAND AND SILT. BIOLOGICAL SPECIMENS COLLECTED IN BOXES ~~DO~~ INCLUDED 5 STINGRAY (UNIDENTIFIED), 3 FLOUNDER AND 1 UNIDENTIFIED FISH. OTHER MATERIAL INCLUDED WOOD AND METAL DEBRIS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TURSIOPS TRUNCATUS</u>	<u>4</u>	<u>10</u>	<u>MOST SIGHTED IN WORK AREA, 1 IN DUMP AREA</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: AMY GAGNON / JIM HENDERSON

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge MANHATTAN 15 Mississippi River Gulf Outlet
 USACE, New Orleans District - Summer/Fall 1996

DAILY REPORT

Date: 11 / 27 / 96 Loads: 467 - 479
 Area(s) Worked: 3770+00 → 3810+00 AND 3525+00 → 3590+00
 Weather Conditions: PTLY CLOUDY TO CLOUDY, SEAS 3-5', WIND N TO NE 10-25 KT, T-49°-58°
 Range of H₂O Temperature: Surface 67°F Below Mid-Depth 68°F
 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 BEING DREDGED CONSISTED OF FINE SAND AND SILT AT STATIONS 3770+00 → 3810+00 AND MOSTLY SILT WITH LARGE AMOUNTS OF EELGRASS AT STATIONS 3525+00 → 3590+00. BIOLOGICAL SPECIMENS INCLUDED 15 STINGRAY (UNIDENTIFIED), CATFISH, UNIDENTIFIED FISH, 4 FLOUNDER. DEBRIS COLLECTED IN BOXES INCLUDED FIBERGLASS, FABRIC, ROPE, WOOD, PENSHELLS, LARGE AMOUNTS OF SHELL AT STATIONS 3525+00 → 3590+00.

DREDGING OPERATIONS WERE MOVED TO 3525+00 → 3590+00 DUE TO ROUGH WEATHER CONDITIONS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TURSIOPS TRUNCATUS</u>	<u>1</u>	<u>3</u>	<u>IN WORK AREA 3770+00 → 3810+00; 0640</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: AMY GAGNON / JIM HENDERSON

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN IS Mississippi River Gulf Outlet
USACE, New Orleans District - Summer/Fall 1996

DAILY REPORT

Date: 11 / 28 / 96 Loads: 480 - 491
Area(s) Worked: 3770+00 → 3810+00, 3725+00 → 3810+00
Weather Conditions: PTLY CLOUDY TO OVERCAST, SEAS 1-4', WIND NE 5-20 KT, T-58°-67° F
Range of H₂O Temperature: Surface 66°-68° F Below Mid-Depth 67°-68° 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 BEING DREDGED CONSISTS OF FINE SAND AND SILT. BIOLOGICAL SPECIMENS
COLLECTED IN BOXES INCLUDED 3 UNIDENTIFIED FISH, 12 STINGRAY (UNIDENTIFIED), 2 FLOUNDER,
1 CATFISH, 1 CONCH. DEBRIS INCLUDED ROPE, WOOD, METAL AND SHELL. DREDGING
STATION EXTENDED AS IS NOW DIGGING ALONGSIDE
OUACHITA

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TURSIOPS TRUNCATUS</u>	<u>2</u>	<u>4</u>	

Observer(s) On Duty: AMY GAGNON / JIM HENDERSON

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN IS Mississippi River Gulf Outlet
USACE, New Orleans District - Summer/Fall 1996

DAILY REPORT

Date: 11 129 196 Loads: 492-500
Area(s) Worked: 3725+00 → 3800+00
Weather Conditions: PTLY CLOUDY TO CLOUDY W/RAIN, SEAS 1-6', WIND NE TO SE 5-15 KT
Range of H₂O Temperature: Surface _____ 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.):
MATERIAL BEING DREDGE CONSISTS OF FINE SAND AND SILT. BIOLOGICAL SPECIMENS COLLECTED IN SCREENS INCLUDED 2 STINGRAY (UNIDENTIFIED) AND EELGRASS. DEBRIS INCLUDED WOOD, SHELL, ROPE, PLASTIC AND FABRIC.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TORSIOPS TRUNCATUS</u>	<u>1</u>	<u>3</u>	<u>SIGHTED IN WORK AREA</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: AMY GAGNON / JIM HENDERSON

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge *MANHATTAN ISLAND* - Mississippi River Gulf Outlet
 USACE, New Orleans District - Fall 1996

WEEKLY SUMMARY

Dates: 11 / 24 / 96 - 11 / 30 / 96 Loads: 420 - 507, *1
 Range of H₂O Temperature: Surface 66° - 68° F Below Mid-Depth 67° - 68° F
 Area(s) Worked: 3770+00 → 3810, 3525+00 → 3590+00, 3725+00 → 3810+00

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

Comments: MATERIAL BEING DREDGED CONTINUES TO BE A MIXTURE OF FINE SAND AND SILT. SMALL AMOUNTS OF DEBRIS AND FEW BIOLOGICAL SPECIMENS WERE COLLECTED IN THE INFLOW SCREENS. DEBRIS CONSISTED OF PLASTIC, WOOD, FIBERGLASS, FABRIC, SHELL, NET, SEAGRASS, ROPE AND METAL DEBRIS. BIOLOGICAL SPECIMENS INCLUDED 60 UNIDENTIFIED STINGRAY, 7 UNIDENTIFIED FISH, 11 FLOUNDER, 3 CATFISH, 1 CONCH, 1 STONECRAB, AND EELGRASS.

ON 11/27/96, DREDGING OPERATIONS WERE MOVED TO STATIONS 3525+00 → 3590+00 DUE TO ROUGH WEATHER CONDITIONS. LARGE AMOUNTS OF EELGRASS WERE COLLECTED IN THE INFLOW SCREENS AND WERE CLEARED MOSTLY BY HANDS.

ON 11/28/96, THE WORK AREA WAS EXTENDED TO 3725+00 → 3810+00.

*THE CONTRACT WAS ENDED ON 11/30/96 WITH LOAD 507. A NEW CONTRACT STARTED IMMEDIATELY WITH LOAD 1. THERE IS NOW A TOTAL OF 4 DREDGES AND 4 OBSERVERS IN THE AREA.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TORSIOPS TRUNCATUS</u>	<u>11</u>	<u>31</u>	<u>MOST SIGHTED IN WORK AREA 3770 → 3810</u>

Observers On Duty: AMY GAGNON / JIM HENDERSON

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN IS Mississippi River Gulf Outlet
USACE, New Orleans District - Summer/Fall 1996

DAILY REPORT

Date: 12 11 196 Loads: 2-9

Area(s) Worked: 3725+00 → 3810+00

Weather Conditions: PTLY CLOUDY TO CLOUDY W/RAIN, SEAS 3-6', WIND NE 10-25 KT, T-55°-66° F

Range of H₂O Temperature: Surface _____ 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.): _____

MATERIAL BEING DREDGED CONSISTS OF FINE SAND AND SILT WITH LITTLE COLLECTED IN INFLOW SCREENS. BIOLOGICAL SPECIMENS INCLUDED 16 STINGRAY (UNIDENTIFIED), 1 FLOUNDER AND SEAGRASS. DEBRIS CONSISTED OF WOOD, SHELL, FABRIC, WIRE, CORAL, ROPE AND METAL.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TURSIOPS TRUNCATUS</u>	<u>4</u>	<u>16</u>	<u>SIGHTED IN WORK AREA</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: AMY GAGNON / JIM HENDERSON

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN IS Mississippi River Gulf Outlet
USACE, New Orleans District - Summer/Fall 1996

DAILY REPORT

Date: 12 12 196 Loads: 10-18

Area(s) Worked: 3725+00 → 3810+00

Weather Conditions: PTLY CLOUDY, SEAS 1-5', WIND NE 5-20 KT, T-48°-64° F

Range of H₂O Temperature: Surface 63°-65° F Below Mid-Depth 64°-66° 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 BEING DREDGED CONSISTS OF FINE SAND AND SILT WITH LITTLE COLLECTED IN THE INFLOW SCREENS. BIOLOGICAL SPECIMENS INCLUDED 8 STINGRAY AND SEAGRASS. DEBRIS INCLUDED SHELL, WOOD, ALUMINUM CAN, FISHING LINE, PLASTIC.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TURSIOPS TRUNCATUS</u>	<u>1</u>	<u>2</u>	<u>1523, SIGHTED IN WORK AREA</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: AMY GAGNON / JIM HENDERSON

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN IS Mississippi River Gulf Outlet
USACE, New Orleans District - Summer/Fall 1996

DAILY REPORT

Date: 12 13 1996 Loads: 19 - 26

Area(s) Worked: 3725 + 00 → 3810 + 00

Weather Conditions: PARTLY CLOUDY, SEAS 1-3', WIND NE 1-10 KT, T-53° - 65° F

Range of H₂O Temperature: Surface 60° - 65° F Below Mid-Depth 62° - 66° F

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 BEING DREDGED CONSISTS OF FINE SAND AND SILT. BIOLOGICAL SPECIMENS COLLECTED IN THE INFLOW SCREENS INCLUDED 2 STINGRAY (UNIDENTIFIED). DEBRIS INCLUDED WOOD, SHELL, FABRIC, ROPE, METAL AND PLASTIC

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TURSIOPS TRONCATUS</u>	<u>2</u>	<u>5</u>	<u>SIGHTED IN WORK AREA</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: AMY GAGNON / JIM HENDERSON

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge MANHATTAN IS Mississippi River Gulf Outlet
 USACE, New Orleans District - Summer/Fall 1996

DAILY REPORT

Date: 12, 4, 1996 Loads: 27 - 34

Area(s) Worked: 3725+00 → 3810+00, 3750+00 → 3810+00

Weather Conditions: PTLY CLOUDY TO CLOUDY, SEAS 1-4', WIND NE TO NW 5-20 KT, T-56°-63°F

Range of H₂O Temperature: Surface 62°-66° F Below Mid-Depth 66° F

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 BEING DREDGED CONSISTS OF FINE SAND AND SILT. BIOLOGICAL SPECIMENS COLLECTED IN THE INFLOW SCREENS INCLUDED AN OCTOPUS, 2 STARFISH, AND 5 STINGRAY (UNIDENTIFIED). DEBRIS CONSISTED OF ROPE, SHELL, FABRIC, WOOD AND PLASTIC

THE WORK AREA WAS SHORTENED TO STATIONS 3750+00 → 3810+00 TODAY

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TURSIOPS TRUNCATUS</u>	<u>3</u>	<u>17</u>	<u>SIGHTED NEAR SEABOY # 7</u>

Observer(s) On Duty: AMY GAGNON / JIM HENDERSON

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge MANHATTAN IS Mississippi River Gulf Outlet
 USACE, New Orleans District - Summer/Fall 1996

DAILY REPORT

Date: 12/5/96 Loads: 35-44
 Area(s) Worked: 3750+00 - 3810+00
 Weather Conditions: PTLY CLOUDY TO CLOUDY W/ RAIN, SEAS CALM - 3', WIND NE TO NW 1-10KT, T-SS'
 Range of H₂O Temperature: Surface 62°F Below Mid-Depth 62°F 61°
 Condition of all screening apparatus: EXCELLENT - DRAGTRAWLER INFORMED OF WEAK WELD ON PORT DEFLECTOR

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.):
MATERIAL BEING DREDGED CONSISTS OF FINE SAND AND SILT.
BIOLOGICAL SPECIMENS INCLUDED 3 UNIDENTIFIED STINGRAY AND 1 FLOUNDER.
DEBRIS COLLECTED IN THE INFLOW SCREENS INCLUDED SHELL, ROPE AND WOOD.
DREDGE DROPPED ANCHOR AT 2320 DUE TO POOR VISIBILITY CAUSED BY FOG.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>URSIDS TRUNCATUS</u>	<u>1</u>	<u>6</u>	<u>SIGHTED AT DUMP SITE</u>

Observer(s) On Duty: AMY GAGNON/TIM HENDERSON

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge MANHATTAN 15 Mississippi River Gulf Outlet
 USACE, New Orleans District - Summer/Fall 1996

DAILY REPORT

Date: 12 / 6 / 96 Loads: 45-53
 Area(s) Worked: 3750+00 → 3810+00, 3645+00 → 3700+00
 Weather Conditions: PTLY CLOUDY TO CLOUDY W/RAIN, SEAS CALM - 3', WIND NW TO NE 3-10KT, T-60°-76°F
 Range of H₂O Temperature: Surface 60°-63°F Below Mid-Depth 62°-64°F
 Condition of all screening apparatus: EXCELLENT. PORT DRAGHEAD IS IN EXCELLENT CONDITION.

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

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

MATERIAL BEING DREDGED CONSISTS OF FINE SAND AND SILT; LARGE AMOUNTS OF SEAGRASS WERE COLLECTED IN THE INFLOW SCREENS IN WORK AREA 3645+00 → 3700+00. BIOLOGICAL SPECIMENS COLLECTED IN SCREENS INCLUDED 2 UNIDENTIFIED FISH, 6 STINGRAY (UNIDENTIFIED) AND 1 FLOUNDER. DEBRIS CONSISTED OF ROPE, SHELL, WOOD, FABRIC, NET AND PLASTIC.

DREDGING WAS CONTINUED IN A NEW AREA (3645+00 → 3700+00) BEGINNING WITH LOAD #51.

DREDGING CONTINUED AT 0924 AFTER APPROXIMATELY 5 HOURS AT ANCHOR DUE TO POOR VISIBILITY CAUSED BY FOG.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TURSIOPS TRUNCATUS</u>	<u>4</u>	<u>18</u>	<u>SIGHTED IN WORK AREA 3750+00 → 3810+00</u>

Observer(s) On Duty: AMY GAGNON / JIM HENDERSON

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN S Mississippi River Gulf Outlet
USACE, New Orleans District - Summer/Fall 1996

DAILY REPORT

Date: 12 17 196 Loads: 54-61

Area(s) Worked: 3645+00 → 3700

Weather Conditions: CLEAR TO HAZY, SEAS 1-3', WIND NE TO NW 1-20 KT, T-66°-73° F

Range of H₂O Temperature: Surface: 62°-68° F Below Mid-Depth 64°-68° F

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 BEING DREDGED CONSISTS OF FINE SAND AND SILT. ~~NO~~ THERE WERE NO BIOLOGICAL SPECIMENS COLLECTED IN THE INFLOW SCREENS TODAY. DEBRIS INCLUDED SEAGRASS, PLASTIC SHELL, WOOD, FABRIC, NETTING, ROPE AND A RUBBER BOOT.

DREDGE WAS AT ANCHOR FROM 0128 TO 0737 DUE TO FOG

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TORSIGES TRUNCATUS</u>	<u>3</u>	<u>7</u>	<u>NEAR SEABOYS #12 AND #13</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: AMY GAGNON / JIM HENDERSON

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge *MANHATTAN ISLAND* - Mississippi River Gulf Outlet
 USACE, New Orleans District - Fall 1996

WEEKLY SUMMARY

Dates: 12 / 1 / 196 - 12 / 7 / 196 Loads: 2-61

Range of H₂O Temperature: Surface 60°-68°F Below Mid-Depth 62°-68°F

Area(s) Worked: 3725+00 → 3810+00, 3750+00 → 3810+00, 3645+00 → 3700+00

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

Comments: _____

MATERIAL BEING DREDGED CONSISTS OF FINE SAND AND SILT; LARGE AMOUNTS OF SEAGRASS WERE COLLECTED IN WORK AREA 3645+00 → 3700+00. BIOLOGICAL SPECIMENS COLLECTED IN THE INFLOW SCREENS INCLUDED 40 STINGRAY (UNIDENTIFIED), 3 FLOUNDER, 2 UNIDENTIFIED FISH, 2 STARFISH, AND 1 OCTOPUS. DEBRIS CONSISTED OF WOOD, SHELL, FABRIC, WIRE, PLASTIC, ROPE, METAL, FISHING LINE, ALUMINUM CANS AND NETTING.

ALL SCREENING APPARATUS IS IN EXCELLENT CONDITION.

DREDGE WAS AT ANCHOR FROM 2320 ON 12/5/96 TO 0424 ON 12/6/96 AND 0128 TO 0737 ON 12/7/96 DUE TO POOR VISIBILITY CAUSED BY FOG.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TURSIOPS TRUNCATUS</u>	<u>18</u>	<u>71</u>	<u>SIGHTED NEAR DREDGE IN WORK AREA AND DUMP AREA</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observers On Duty: AMY GAGNON / JIM HENDERSON

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
 USACE, New Orleans District - Fall 1996

WEEKLY SUMMARY

Dates: 12 / 8 / 96 - 12 / 14 / 96 Loads: 62 - 113

Range of H₂O Temperature: Surface 61° - 68°F Below Mid-Depth 62° - 68°F

Area(s) Worked: 3645+00 → 3700+00, 3500+00 → 3665+00, 3500+00 → 3565+00

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

Comments: _____

MATERIAL BEING DREDGED CONSISTS OF FINE SAND, SILT AND CLAY. VERY FEW BIOLOGICAL SPECIMENS WERE COLLECTED IN THE INFLOW SCREENS - 1 UNIDENTIFIED FISH, 1 STARFISH AND 1 UNIDENTIFIED STINGRAY. LARGE AMOUNTS OF DEBRIS WERE COLLECTED IN THE INFLOW SCREENS IN WORK AREAS 3500+00 → 3665+00 AND 3500+00 → 3565+00 INCLUDING SEAGRASS, WOOD, SHELL, PLASTIC, ROPE, METAL AND FABRIC. THE DEBRIS IS CLEARED BY HAND AFTER EACH LOAD.

LOADS 62 - 87 WERE WORKED IN AREA 3645+00 → 3700+00, LOADS 88 - 104 WERE WORKED IN AREA 3500+00 → 3665+00 AND LOADS 105 - 113 WERE WORKED IN AREA 3500+00 → 3565+00.

THE DREDGE WAS AT ANCHOR ON 12/13/96 FROM 0020 TO 0915 FOR FOG.

ALL SCREENING APPARATUS IS IN EXCELLENT CONDITION.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TURSIOPS TRUNCATUS</u>	<u>8</u>	<u>34</u>	<u>MOST SIGHTED IN WORK AREA, SOME AT PUMP</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observers On Duty: AMY GAGNON / JIM HENDERSON

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN IS Mississippi River Gulf Outlet
USACE, New Orleans District - Summer/Fall 1996

DAILY REPORT

Date: 12 18 196 Loads: 62 - 71

Area(s) Worked: 3645+00 → 3700+00

Weather Conditions: CLEAR, SEAS 1-4', WIND NW TO NE 10-30 KT, T-57°-64°F

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

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 BEING DREDGED CONSISTS OF FINE SAND AND SILT. NO BIOLOGICAL SPECIMENS WERE COLLECTED IN THE INFLOW SCREENS TODAY. DEBRIS INCLUDED PLASTIC, SEAGRASS, WOOD, ROPE, SHELL AND WIRE.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TURSIOPS TRUNCATUS</u>	<u>1</u>	<u>3</u>	<u>AT DUMP SITE</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: AMY GAGNON / JIM HENDERSON

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN IS Mississippi River Gulf Outlet
USACE, New Orleans District - Summer/Fall 1996

DAILY REPORT

Date: 12 19 196 Loads: 72-83

Area(s) Worked: 3645+00 → 3700+00

Weather Conditions: CLEAR, SEAS 1-4', WIND NW TO NE 1-20 KT, T-57°-69° F

Range of H₂O Temperature: Surface: 61°-65° F Below Mid-Depth 62°-67° 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 BEING DREDGED CONSISTS OF FINE SAND AND SILT. BIOLOGICAL SPECIMENS COLLECTED IN THE INFLOW SCREENS INCLUDED 1 UNIDENTIFIED FISH, 1 STARFISH, AND 1 UNIDENTIFIED STINGRAY. DEBRIS INCLUDED ROPE, SEAGRASS, SHELL, CABLE, PLASTIC, WOOD, METAL AND FABRIC.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TORSIOPS TRUNCATUS</u>	<u>1</u>	<u>4</u>	<u>SIGHTED IN WORK AREA</u>

Observer(s) On Duty: AMY GAGNON / JIM HENDERSON

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN IS Mississippi River Gulf Outlet
USACE, New Orleans District - Summer/Fall 1996

DAILY REPORT

Date: 12 1 10 196 Loads: 84 - 91

Area(s) Worked: 3645+00 → 3700+00; 3500+00 → 3665+00

Weather Conditions: CLEAR, SEAS CALM-3', WIND NE TO NW 1-10 KT, T- 57° - 71° F

Range of H₂O Temperature: Surface 61° - 66° F Below Mid-Depth 62° - 64° F

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 BEING DREDGED CONSISTS OF MOSTLY SILT WITH SOME FINE SAND AND
LARGE AMOUNTS OF SEAGRASS AND SHELL IN THE INFLOW SCREENS IN WORK AREA
3500+00 → 3665+00. THERE WERE NO BIOLOGICAL SPECIMENS COLLECTED IN THE
INFLOW SCREENS TODAY. DEBRIS INCLUDED FABRIC, WOOD, SHELL, METAL, PLASTIC,
ROPE, SHAW, NET, CABLE AND A TIRE

Bridge Watch Summary

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

Observer(s) On Duty: AMY GAGNON / JIM HENDERSON

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge MANHATTAN IS Mississippi River Gulf Outlet
 USACE, New Orleans District - Summer/Fall 1996

DAILY REPORT

Date: 12 11 196 Loads: 92-97

Area(s) Worked: 3500+00 → 3665+00

Weather Conditions: CLOUDY, SEAS 1-3', WIND VARIABLE 1-15 KT, T-63°-76°F

Range of H₂O Temperature: Surface: 61°-69°F Below Mid-Depth 61°-65°F

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 BEING DREDGED IS MOSTLY SILT WITH SOME CLAY. NO BIOLOGICAL SPECIMENS WERE COLLECTED IN THE INFLOW SCREENS. LARGE AMOUNTS OF SEAGRASSES, SHELL, WOOD, ROPE AND PLASTIC ARE COLLECTED IN THE SCREENS EACH LOAD AND CLEANED BY HAND.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TORSIOPS TRUNCATUS</u>	<u>1</u>	<u>7</u>	<u>IN WORK AREA; 1205</u>

Observer(s) On Duty: Amy GAGNON / JIM HENDERSON

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN IS Mississippi River Gulf Outlet
USACE, New Orleans District - Summer/Fall 1996

DAILY REPORT

Date: 12 / 12 / 96 Loads: 98 - 102

Area(s) Worked: 3500+00 → 3665+00

Weather Conditions: PTLY CLOUDY, SEAS 1-3', WINDS NE TO NW 1-10 KT, TEMP - 64° - 73°F

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

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 BEING DREDGED IS MOSTLY SILT WITH SOME CLAY AND LARGE AMOUNTS
OF SEAGRASS SHELL AND WOOD COLLECTED IN THE INFLOW SCREENS. NO
BIOLOGICAL SPECIMENS WERE COLLECTED IN THE SCREENS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TRIGLIDAE TRIGLIDUS</u>	<u>2</u>	<u>5</u>	<u>WORK AREA</u>

Observer(s) On Duty: AMY GAGNON / JIM HENDERSON

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN IS Mississippi River Gulf Outlet
USACE, New Orleans District - Summer/Fall 1996

DAILY REPORT

Date: 12 / 13 / 1996 Loads: 103 - 106
Area(s) Worked: 3500+00 → 3665+00, 3500+00 → 3565+00
Weather Conditions: CLEAR TO PTLY CLOUDY, SEAS 1-3', WIND NE 1-10 KT, T-62° - 76°F
Range of H₂O Temperature: Surface 64°F Below Mid-Depth 64°F
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 BEING DREDGED IS MOSTLY SILT WITH SOME CLAY AND LARGE
AMOUNTS OF SEAGRASS, SHELL AND WOOD COLLECTED IN THE INFLOW SCREENS
A BIOLOGICAL SPECIMENS WERE COLLECTED. OTHER DEBRIS INCLUDED ROPE, PLASTIC,
FISHING LINE, FABRIC AND METAL.

NO ASSIGNMENT IN AREA 3500+00 → 3565+00 WAS STARTED ON LOAD #105

~~BA~~ DREDGE AT ANCHOR 0020 → 0915 DUE TO FOG

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TURSIOP TRUNCATUS</u>	<u>2</u>	<u>13</u>	<u>SIGHTED AT WORK AREA</u>

Observer(s) On Duty: AMY GAGNON / JIM HENDERSON

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN IS Mississippi River Gulf Outlet
USACE, New Orleans District - Summer/Fall 1996

DAILY REPORT

Date: 12 14 196 Loads: 107 → 113

Area(s) Worked: 3500+00 → 3565+00

Weather Conditions: CLEAR, SEAS 1-3', WIND NE TO SE 5-15 KT, T- 62° - 70° F

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

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 BEING DREDGED CONSISTS OF MOSTLY SILT. WITH SOME CLAY AND
LARGE AMOUNTS OF SEAGRASS, WOOD, SHELL AND DEBRIS COLLECTED IN THE
INFLOW SCREENS. NO BIOLOGICAL SPECIMENS WERE COLLECTED TODAY. DEBRIS
INCLUDED PLASTIC, ROPE, NET AND FABRIC

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TURSIOPS TRUNCATUS</u>	<u>1</u>	<u>3</u>	<u>SIGHTED AT WORK AREA</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: AMY GAGNON / JIM HENDERSON

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN IS Mississippi River Gulf Outlet
USACE, New Orleans District - Summer/Fall 1996

DAILY REPORT

Date: 12 / 15 / 96 Loads: 114 - 121

Area(s) Worked: 3500 + 00 → 3565 + 00 (GREEN SIDE)

Weather Conditions: CLEAR SEAS 1-2' WIND SW TO NE 5-15 KT, T-63°-74° F

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

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 BEING DREDGED IS MOSTLY SILT WITH SOME CLAY. LARGE AMOUNTS OF SEAGRASS SHELL, WOOD ROPE, PLASTIC AND METAL DEBRIS ARE COLLECTED IN THE INFLOW SCREENS ON EACH LOAD. NO BIOLOGICAL SPECIMENS WERE COLLECTED

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TURSIOPS TENUICATUS</u>	<u>3</u>	<u>14</u>	<u>SIGHTED AT WORK AREA</u>

Observer(s) On Duty: AMY GAGNON / JIM HENDERSON

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN IS Mississippi River Gulf Outlet
USACE, New Orleans District - Summer/Fall 1996

DAILY REPORT

Date: 12 1 16 1996 Loads: 122-129
Area(s) Worked: 3500+00 → 3565+00
Weather Conditions: MOSTLY CLOUDY, SEAS 1-4' WIND
Range of H₂O Temperature: Surface 66°-68° F Below Mid-Depth 67°-68° F
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 BEING DREDGED CONSISTS MAINLY OF SILT WITH SOME
CLAY. THE INFLOW SCREENS CONTINUE TO BE CONTAIN LARGE AMOUNTS OF
SEAGRASS, WOOD, SHELL, PLASTIC AND ROPE. BIOLOGICAL SPECIMENS INCLUDED
1 UNIDENTIFIED STINGRAY AND 1 UNIDENTIFIABLE FISH.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TURSHOPS TRUNCATUS</u>	<u>3</u>	<u>19</u>	<u>SIGHTED IN WORK AREA</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: AMY GAGNON / JIM HENDERSON

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN IS Mississippi River Gulf Outlet
USACE, New Orleans District - Summer/Fall 1996

DAILY REPORT

Date: 12 17 196 Loads: 130 → 136

Area(s) Worked: 3500+00 → 3565+00

Weather Conditions: CLOUDY, SEAS 1-4', WIND NE TO WNW 10-25KT, T- 47-55°F

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

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 BEING DREDGED CONSISTS OF MOSTLY SILT WITH SOME CLAY. LARGE AMOUNTS OF SEAGRASS WOOD AND SHELL ARE COLLECTED IN THE INFLOW SCREENS AND CLEARED OUT BY HAND BETWEEN EACH LOAD. NO BIOLOGICAL SPECIMENS WERE COLLECTED.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TURNOPS TRUNCATUS</u>	<u>4</u>	<u>11</u>	

Observer(s) On Duty: AMY GAGNON / JIM HENDERSON

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 12 1 19 196 Loads: NA
Area(s) Worked: NA
Weather Conditions: NA
Range of H₂O Temperature: Surface NA Below Mid-Depth NA
Condition of all screening apparatus: NA

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

Comments (type of material being dredged, biological specimens, etc.):
DREDGE IN FOR REFUELING. OBSERVER JIM HENDERSON RELIEVED
BY JESSE COLTRINE AT 0730.

Bridge Watch Summary

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

Observer(s) On Duty: AMY GAGNON / JESSE COLTRINE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 12 / 20 / 196 Loads: 145-151

Area(s) Worked: 3500+00 → 3565+00

Weather Conditions: CLEAR, SEAS 1', WIND ENG TO NE 5-15 KT, T-39°-49° F

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

Condition of all screening apparatus: _____

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

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

MATERIAL BEING DREDGED MOSTLY SILT WITH SOME CLAY. LARGE AMOUNTS OF SEAGRASS, WOOD, SHELL AND DEBRIS (PLASTIC, ROPE, FABRIC) CONTINUE TO BE COLLECTED IN THE INFLOW SCREENS. BIOLOGICAL SPECIMENS INCLUDE 1 UNIDENTIFIED STINGRAY AND 1 UNIDENTIFIED FISH.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TURSIOPS TROXATUS</u>	<u>1</u>	<u>12</u>	<u>IN WORK AREA</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: AMY GAGNON / JESSE COLTRANE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 12 / 21 / 96 Loads: 152 - 159

Area(s) Worked: 3500+00 → 3565+00

Weather Conditions: CLEAR, SEAS 1-2', WIND NE 5-10KT, T-48°F - 71°F

Range of H₂O Temperature: Surface 52°F Below Mid-Depth 52°F

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 BEING DREDGED CONSISTS MOSTLY OF SILT WITH SOME CLAY. LARGE AMOUNTS OF SEAGRASS, WOOD AND SHELL CONTINUE TO BE COLLECTED IN THE INFLOW SCREENS. BIOLOGICAL SPECIMENS INCLUDE 1 UNIDENTIFIED FISH

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TURSIOPS TRUNCATUS</u>	<u>2</u>	<u>12-14</u>	

Observer(s) On Duty: AMY GAGNON / JESSE COLTRANE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

WEEKLY SUMMARY

Dates: 12 / 15 / 196 - 12 / 21 / 196 Loads: 114 - 159
Range of H₂O Temperature: Surface 52° - 68°F Below Mid-Depth 52° - 68°F
Area(s) Worked: 3500+00 → 3565+00

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

Comments: MATERIAL BEING DREDGED CONSISTS MOSTLY OF SILT WITH SOME CLAY.
THE INFLOW SCREENS CONTINUE TO CONTAIN LARGE AMOUNTS OF SEAGRASS, WOOD,
SHELL AND DEBRIS (PLASTIC, METAL, ROPE, FABRIC, NET) AND ARE CLEARED BY HAND
AFTER EACH LOAD. FEW BIOLOGICAL SPECIMENS WERE COLLECTED: 2 STINGRAY
(UNIDENTIFIED) AND 3 FISH (UNIDENTIFIED).

DREDGE WENT IN FOR REFUELING AT 2232 ON 12/18 THEN RETURNED AND
RESUMED WORK AT 0130 ON 12/20.

OBSERVER JIM HENDERSON RELIEVED BY JESSE COLTRAIN ON 12/19.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TURSIOPS TRUNCATUS</u>	<u>13</u>	<u>68-70</u>	<u>SIGHTED IN WORK AREA</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observers On Duty: AMY GAGNON / JIM HENDERSON / JESSE COLTRAIN

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 12 1 22 1 96 Loads: 160 - 169

Area(s) Worked: 3500+00 -> 3565+00

Weather Conditions: PTLY CLOUDY, SEAS 1-3', WIND SE TO SW 5-15 KT, T-56°-74° F

Range of H₂O Temperature: Surface 52° F Below Mid-Depth 52° F

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 BEING DREDGED CONSISTS OF SILT AND CLAY, LARGE AMOUNTS OF SEAGRASS, WOOD, SHELL AND DEBRIS (PLASTIC, METAL, FABRIC, ROPE) CONTINUE TO BE COLLECTED IN THE INFLOW SCREENS. NO BIOLOGICAL SPECIMENS WERE COLLECTED.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TURSIOPS TRUNCATUS</u>	<u>1</u>	<u>4</u>	<u>IN WORK AREA</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: AMY GAGNON/JESSE COLTRANE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 12 / 23 / 96 Loads: 170 - 176
Area(s) Worked: 3500+00 → 3565+00, 3520+00 → 3685+00
Weather Conditions: CLEAR TO PLY CLOUDY, SEAS 1-4', WIND SE 5 KT, T-60°-75°F
Range of H₂O Temperature: Surface 55°F Below Mid-Depth 55°F
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 BEING DREDGED IS MOSTLY SILT WITH SOME CLAY, CLAY IN INCREASING AMOUNTS IN WORK AREA 3520+00 → 3685+00. SEAGRASS, WOOD, SHELL AND DEBRIS (PLASTIC, ROPE, FABRIC, METAL, NETTING) CONTINUES TO COLLECT IN LARGE AMOUNTS IN THE INFLOW SCREENS. NO BIOLOGICAL SPECIMENS WERE COLLECTED.

A NEW WORK AREA (3520+00 → 3685+00) WAS STARTED ON LOAD #176

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TURSIOPS TRUNCATUS</u>	<u>1</u>	<u>2</u>	<u>WORK AREA 3500+00 → 3565+00</u>

Observer(s) On Duty: AMY GAGNON / JESSE COLTRINE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 12 / 24 / 96 Loads: 177 - 184

Area(s) Worked: 3520 +00 → 3685 +00

Weather Conditions: PARTLY CLOUDY, SEAS 2-5', WIND VARIABLE, 5-25 KT, T-53° - 63°

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

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 BEING DREDGED CONSISTS MAINLY OF SILT WITH SOME CLAY. BIOLOGICAL SPECIMENS COLLECTED IN THE INFLOW BOXES INCLUDED 2 UNIDENTIFIED STINGRAY. DEBRIS INCLUDED SEAGRASS, WOOD, SHELL, PLASTIC, METAL, ROPE AND FABRIC.

Bridge Watch Summary

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

Observer(s) On Duty: AMY GAGNON / JESSE COLTRANE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 12 / 25 / 96 Loads: 185 - 191

Area(s) Worked: 3520+00 → 3685+00

Weather Conditions: CLEAR, SEAS 2-6', WIND NE 15-30 KT, T- 46° - 57° F

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

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 BEING DREDGED CONSISTS OF MOSTLY SILT WITH SOME CLAY, BIOLOGICAL SPECIMENS COLLECTED IN THE INFLOW SCREENS INCLUDED SEA CUCUMBER AND STING RAYS. DEBRIS CONSISTED OF PLASTIC, ROPE, FABRIC, METAL, SEAGRASS, SHELL AND WOOD

Bridge Watch Summary

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

Observer(s) On Duty: AMY GAGNON / JESSE COLTRANE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 12 / 26 / 96 Loads: 192 - 198

Area(s) Worked: 3520 + 00 → 3685 + 00

Weather Conditions: CLEAR TO CLOUDY, SEAS 1-4', WIND VARIABLE 5-10 KT, T-61°-71° F

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

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 BEING DREDGED CONSISTS OF SILT AND CLAY. DEBRIS COLLECTED IN THE INFLOW SCREENS INCLUDED SEAGRASS, WOOD, SHELL, METAL, PLASTIC, ROPE, AND FABRIC.

★ A SECTION OF THE CARAPACE / VERTEBRAE / PELVIC REGION OF A SEA TURTLE (SPECIES UNKNOWN) FOUND IN THE FORWARD, STARBOARD DISCHARGE ON LOAD # 196. IT WAS DETERMINED NOT TO BE A FRESH KILL - POSSIBLY ONE TO TWO WEEKS OLD. THE EDGES OF THE BONE WERE BLACKENED AND SOME TISSUE REMAINED. NOTHING FURTHER WAS OBTAINED IN SUBSEQUENT LOADS.

Bridge Watch Summary

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

Observer(s) On Duty: AMY GAGNON / TESSE COLTRANE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 12 127 196 Loads: 199-206

Area(s) Worked: 3520+00 → 3685+00

Weather Conditions: CLOUDY W/RAIN, FOG, SEAS 1-2', WIND SE TO NW

Range of H₂O Temperature: Surface 56° F Below Mid-Depth 58° F

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 BEING DREDGED CONSISTS OF SILT AND CLAY. NO BIOLOGICAL SPECIMENS WERE COLLECTED IN THE INFLOW SCREENS TODAY. DEBRIS INCLUDED SEAGRASS, WOOD, SHELL, ROPE, PLASTIC, FABRIC, FISHING LINE, METAL AND CHAIN.

STARBOARD DRAGARM NOT USED ON LOAD 202 DUE TO REPAIR

DREDGE AT ANCHOR ²³³⁵ ~~1400~~ FOR FOG

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TURSIOPS TEJUNCTUS</u>	<u>2</u>	<u>8-10</u>	

Observer(s) On Duty: AMY GAGNON / JESSE COLTRAIN

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge *MANHATTAN ISLAND* - Mississippi River Gulf Outlet
 USACE, New Orleans District - Fall 1996

WEEKLY SUMMARY

Dates: 12 / 22 / 96 - 12 / 28 / 96 Loads: 160 - 206

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

Area(s) Worked: 3500+00 → 3565+00, 3520+00 → 3685+00

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

Comments: _____

MATERIAL BEING DREDGED CONSISTS OF SILT AND CLAY. FEW BIOLOGICAL SPECIMENS WERE COLLECTED IN THE WELON SCREENS INCLUDING STINGRAY (UNIDENTIFIED) AND SEA CUCUMBER DEBRIS CONTINUED TO BE COLLECTED IN LARGE AMOUNTS (SEAGRASS, WOOD, SHELL, PLASTIC, FABRIC, ROPE, METAL) AND CLEARED BY HAND AFTER EACH LOAD.

WORK AREA 3520+00 → 3685 WAS BEGUN ON LOAD # 176, 12/23/96

* ON 12/26/96, A SECTION OF THE CARAPACE/VERTEBRAE/PELVIC REGION OF A SEA TURTLE (SPECIES UNKNOWN) WAS COLLECTED IN THE FORWARD, STARBOARD DISCHARGE ON LOAD # 196. IT WAS DETERMINED NOT TO BE A FRESH KILL. NO FURTHER SPECIMENS WERE FOUND IN SUBSEQUENT LOADS.

DREDGE AT ANCHOR 2335 ON 12/27/96 TO 2400 ON 12/28/96

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TURSIOPS TRUNCATUS</u>	<u>4</u>	<u>14-16</u>	<u>MOST SIGHTED IN WORK AREA; 2 IN DUMP</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observers On Duty: AMY GAGNON / JESSE COLTRANE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *MANHATTAN ISLAND* - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 12 / 28 / 96 Loads: NA
Area(s) Worked: NA
Weather Conditions: NA
Range of H₂O Temperature: Surface NA Below Mid-Depth NA
Condition of all screening apparatus: NA

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

Comments (type of material being dredged, biological specimens, etc.):
CONTINUED AT ANCHOR FOR FOG

Bridge Watch Summary

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

Observer(s) On Duty: AMY GAGNON / JESSE COLTRANE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN IS Mississippi River Gulf Outlet
USACE, New Orleans District - Summer/Fall 1996

DAILY REPORT

Date: 12 / 29 / 1996 Loads: 207 - 210

Area(s) Worked: 3520 +00 → 3685 +00

Weather Conditions: CLOUDY SEAS 1-2', WIND VARIABLE 5-10KT, T-62° F

Range of H₂O Temperature: Surface 56° F Below Mid-Depth 62° F

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 BEING DREDGED CONSISTS OF SILT AND CLAY. NO BIOLOGICAL SPECIMENS WERE COLLECTED IN THE INFLOW SCREENS TODAY. DEBRIS INCLUDED SEAGRASS, WOOD, SHELL, PLASTIC, ROPE, FABRIC.

DREDGING RESUMED AT 1302 AFTER BEING AT ANCHOR DUE TO FOG.

Bridge Watch Summary

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

Observer(s) On Duty: AMY GAGNON / JESSE COLTRANE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN IS Mississippi River Gulf Outlet
USACE, New Orleans District - Summer/Fall 1996

DAILY REPORT

Date: 12 130 196 Loads: 211 - 214

Area(s) Worked: 3520+00 → 3685+00

Weather Conditions: CLOUDY, SEAS 1-2' WIND VARIABLE 5-10 KT, T- 63° - 71° F

Range of H₂O Temperature: Surface 58° F Below Mid-Depth 62° F

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 BEING DREDGED CONSISTS OF SILT AND CLAY. NO BIOLOGICAL SPECIMENS WERE COLLECTED IN THE INFLOW BOXES. DEBRIS INCLUDED SEAGRASS, WOOD, SHELL, PLASTIC, ROPE, FABRIC, FISHING LINE AND METAL.

DREDGE AT ANCHOR 0043 → 0520 FOR FOG.

DREDGE AT ANCHOR 1836 → 2400 FOR FOG.

Bridge Watch Summary

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

Observer(s) On Duty: AMY GAGNON / JESSE COLTRANE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge MANHATTAN ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 12 : 31 1996 Loads: NA
Area(s) Worked: NA
Weather Conditions: NA
Range of H₂O Temperature: Surface NA Below Mid-Depth NA
Condition of all screening apparatus: NA

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.):
DREDGE AT ANCHOR FOR FOG 0000 -> 2532

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Allen G. Adams / Tim ...

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge: PADRE ISLAND - Mississippi River Gulf Outlet
 USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 10 / 29 / 96 Loads: 37 thru 48
 Area(s) Worked: MISSISSIPPI R. GULF OUTLET stations 375⁺⁵⁰ to 381⁺⁵⁰
 Weather Conditions: CLEAR SKIES, LIGHT BREEZES, SHIFTING SOUTHERLY 10-15 knots SEAS 3'
 Range of H₂O Temperature: Surface NA Below Mid-Depth 73°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.):
CONTINUE WORKING CENTER LWE TO RED TOW LWE, BOTH SIDES OF
THE "RB/GT" CHANNEL MARKERS.
MATERIAL CONTINUES TO BE FINE SAND & SILT, & MOSTLY CLEAN OF
MISC / BIOLOGICAL DEBRIS ie SOME SCRAPS OF METAL & WOOD,
& A FEW OLD WHELK SHELLS. SKATE/RAYS

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T. trineasus</u>	<u>1</u>	<u>~6</u>	<u>in & about the channel, markers "RB/GT"</u> <u>remained in area some time, actively</u> <u>feeding, frolicing, & resting</u>

Observer(s) On Duty: LIZ POMFRET / JOHN KUECHT

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge PADRE ISLAND - Mississippi River Gulf Outlet
 USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 10 / 30 / 96 Loads: 49 thru 60
 Area(s) Worked: MISSISSIPPI RIVER GULF OUTLET stations 375^{TSO} to 381^{TSO}
 Weather Conditions: PTLY CLOUDY → MOSTLY CLEAR SKIES, SOUTHERLY WIND 5-10 KNOTS, SEAS 2'
 Range of H₂O Temperature: Surface 23-25 °C Below Mid-Depth 24 °C
 Condition of all screening apparatus: 100% INFLOW EXCELLENT

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

Comments (type of material being dredged, biological specimens, etc.):
SCREENS CONTINUE TO REMAIN VERY CLEAN.
DREDGING FINE, SANDY MATERIAL
OCCASSIONALLY WE COME ACROSS SOME SCRAP METAL/WOODS, & OLD
WHELK SHELL.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T. truncatus</u>	<u>1</u>	<u>~ 8</u>	<u>large tight group just outside the channel ~ 0.8" diameter</u>

Observer(s) On Duty: LIZ POMFRET JOHN KNECHT

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge PADRE ISLAND - Mississippi River Gulf Outlet
 USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 10 / 31 / 96 Loads: 61 thru 72
 Area(s) Worked: MISSISSIPPI R. GULF OUTLET stations 375⁵⁰ to 381⁵⁰
 Weather Conditions: MOSTLY CLEAR SKIES; LIGHT N WIND SHIFTING SOUTHERLY TO 10 knots seas
 Range of H₂O Temperature: Surface 24°C Below Mid-Depth 24°C
 Condition of all screening apparatus: EXCELLENT 100% INFLOW

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

Comments (type of material being dredged, biological specimens, etc.):
SCREENS REMAIN VERY CLEAN. OCCASSIONALLY WE HAVE SOME OLD
WHELK SHELL PCS, & MISC. TRASH ie scrap metal, rags.
MATERIAL DREDGED CONSISTS OF FINE SAND/SILT

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T. truncatus</u>	<u>1</u>	<u>4</u>	<u>Traveling in tight group along red side</u> <u>of channel between "R5" & "R6"</u> <u>channel markers</u>

Observer(s) On Duty: LIZ POMFRET John KUECHT

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge: **PADRE ISLAND** - Mississippi River Gulf Outlet
 USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 11 / 2 / 96 Loads: 83 thru 95
 Area(s) Worked: MISSISSIPPI RIVER GULF OUTLET stations 375⁵⁰ to 381⁵⁰
 Weather Conditions: COLD FRONT BLOWS THRU. CLOUDY SKIES CLEARING. N/NW WINDS 15-25 KNOTS
 Range of H₂O Temperature: Surface 24-27°C Below Mid-Depth 23-24°C ^{CHOPPY SEAS} _{HOPPER WATER}
 Condition of all screening apparatus: 100% INFLOW - EXCELLENT-

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

Comments (type of material being dredged, biological specimens, etc.):
CONTINUE TO DIG FINE SAND/SILT MATERIAL
MOSTLY CLEAN SCREENS, W/ SOME SCRAP METAL WHELK SHELLS,
& SOME SKATES
STRONG FRONT BLEW THROUGH EARLY THIS MORNING. & CONTINUED
ALL DAY, SKIES CLEARING.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T. truncatus</u>	<u>2</u>	<u>3 (ea sighting)</u>	<u>sighted along the length of the cut</u>

Observer(s) On Duty: Liz Bonfret John Knecht

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge PADRE ISLAND - Mississippi River Gulf Outlet
 USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 11/3/96 Loads: 96 thru 107
 Area(s) Worked: MISSISSIPPI RIVER GULF OUTLET stations 375⁵⁰ to 381⁵⁰
 Weather Conditions: CLEAR SKIES, WINDS N → NE, 20 KNOTS & DIMINISHING TO 7-10 KNOTS, SEA
 Range of H₂O Temperature: Surface 19°C Below Mid-Depth 20°C (HOPPER WATER)
 Condition of all screening apparatus: EXCELLENT 100% INFLOW

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

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

MOSTLY THE SAME.

CONTINUE DREDGING FINE SAND/SILT. SCREENS VERY CLEAN.

THE DROP IN WATER TEMP. SEEMS TO ATTRACT BOTTOM FISH TO THE
 DEEPER CHANNEL. WE TOOK A GOOD NUMBER OF SKATES & RAYS,
 AND SOME FLAT FISHES IN THE EARLY MORNING HOURS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>J. truncatus</u>	<u>1</u>	<u>3</u>	<u>near the "R10" channel marker</u>

Observer(s) On Duty: LIZ POMFRET - JOHN KNECHT

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge **PADRE ISLAND** - Mississippi River Gulf Outlet
 USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 11 / 4 / 96 Loads: 108 thru 118
 Area(s) Worked: MISSISSIPPI GULF OUTLET (RIVER) stations 375⁵⁰ to 381⁵⁰
 Weather Conditions: VARIABLE CLOUDINESS, SHIFTING WINDS, N → E ~ 10 KNOTS SEAS 3-5' SWE
 Range of H₂O Temperature: Surface 21°C Below Mid-Depth 20-21°C
 Condition of all screening apparatus: 100% INFLOW EXCELLENT

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

Comments (type of material being dredged, biological specimens, etc.):
ANOTHER FINE DAY OF CLEAN DIGGING - FINE SAND/SILT,
SOME SCRAP METAL, WOOD Pcs. SALT MARSH GRASS, WHELF SHELLS,
& SEVERAL SKATES & RAYS

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T. truncatus</u>	<u>2</u>	<u>5/6</u>	<u>About first light, in/about the channel</u>

Observer(s) On Duty: LIZ POMFRET JOHN KNECHT

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge **PADRE ISLAND** - Mississippi River Gulf Outlet
 USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 11 / 6 / 96 Loads: 130 thru 140
 Area(s) Worked: MISSISSIPPI RIVER GULF OUTLET stations 375^{50'} to 381^{50'}
 Weather Conditions: CLOUDY SKIES, SHOWERS, CLEARING, E WINDS → S S-10 KNOTS, SEAS 3' + ~7'
 Range of H₂O Temperature: Surface 22°C Below Mid-Depth 22°C
 Condition of all screening apparatus: EXCELLENT : 100% IN FLOW

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

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

SAME. SAME

DIGGING CLEAN, FINE SAND & SILT. ON THE RED TOW LINE.

OCCAISIONALLY WE CLEAN OUT SOME SALT MARSH GRASS ROOTS.

SCRAP METAL, A FEW SKATES/RAYS, FLOUNDER, A CATFISH.

SOME OLD WHEEL SHELLS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T. truncatus</u>	<u>4</u>	<u>2-6</u>	<u>PROBABLY THE SAME GROUP, SIGHTED SEVERAL TIMES, IN & ABOUT THE CHANNEL. ~ 0700 - 1100 HRS.</u>

Observer(s) On Duty: LIZ POMFRET - JOHN KNECHT

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge PADRE ISLAND - Mississippi River Gulf Outlet
USACE, New Orleans District - Fall 1996

DAILY REPORT

Date: 11/8/96 Loads: 152 - 159
Area(s) Worked: MISSISSIPPI RIVER GULF OUTLET stations 375⁵⁰ to 381⁵⁰
Weather Conditions: CLEAR SKIES NW WIND 15-20 KNOTS AIR TEMPS MID 60'S F
Range of H₂O Temperature: Surface 20°C Below Mid-Depth 20°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.):

LAST LOADS. LAST DAY.

CLEAN, FINE SANDY SILT, CLEAN LOADS

A FEW SKATES/RAYS, A FLOUNDER, MISC DEBRIS

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T. truncatus</u>	<u>1</u>	<u>2</u>	<u>near the "R8" marker</u>

Observer(s) On Duty: Liz Pomfret John French

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *OUACHITA* - Mississippi River Gulf Outlet
Gulf Coast Trailing Co./USACE, New Orleans District

DAILY REPORT

Date: 11 / 28 / 96 Loads: 1 - 6
Area(s) Worked: 376500 to 318000 (29°27' N 89°03' W)
Weather Conditions: PARTLY CLOUDY WIND ENE TO SE 10-18K, SEAS MODERATE ~4'
Range of H₂O Temperature: Surface 63° Below Mid-Depth 64°
Condition of all screening apparatus: OK. STBD TED CHAIN NEEDED SOME REPAIR

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

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

DREDGING BEGAN AT 14:34
MUDDY MATERIAL WOOD, ROPE & PLASTIC DEBRIS COLLECTED.
BIOLOGICAL SPECIMENS INCLUDED: ORNATE CRAB, BEADED SEA
STAR, MANTIS SHILLUP, ANEMONES, SOUTHERN STING RAY,
UNIDENTIFIED STING RAY, 1 LARGE REDFISH, 1 LRG FLOUNDER,
5 MANILABEN 2 ATLANTIC STING RAYS, 2 SPAD FISH, 1
LESSER ELECTRIC RAY

*SURFACE TEMP TAKEN W/ WATER THERMOMETER, MID-DEPTH TEMP
TAKEN FROM SHIP'S PLATE COOLER INLET THERMOMETER.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>NO SIGHTINGS</u>			

Observer(s) On Duty: CATHY SAKAS, TIM COLE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge OUACHITA - Mississippi River Gulf Outlet
Gulf Coast Trailing Co./USACE, New Orleans District

DAILY REPORT

Date: 11 / 29 / 96 Loads: 7 - 26
Area(s) Worked: 376900 TO 381500 (29° 27' N 89° 03' W)
Weather Conditions: PARTLY CLOUDY TO OVERCAST, WINDS E to S, 6-20K, SEAS 3-5'
Range of H₂O Temperature: Surface 61 - 63° Below Mid-Depth 64 - 64.5°
Condition of all screening apparatus: CHAIN REPAIRS MADE TO STIB TED SEVERAL TIMES. ALL OTHER SCREENING OK.

Are there incidents involving endangered or protected species? Yes No

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

VERY LITTLE DEBRIS COLLECTED

BIOLOGICAL SPECIMENS: 4 MANHATTEN, 1 MANTIS SHRIMP,
2 ATLANTIC STINGRAY, - 2 TONGUE FISH, 2 LIGHTNING WHELKS
1 FLOUNDER, 1 LARGE STINGRAY

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>BOTTLENOSE DOLPHIN</u>	<u>2</u>	<u>5</u>	<u>BOTH SIGHTINGS NEAR 29° 27.2 N 89° 02.6 W</u>

Observer(s) On Duty: CATHY SALAS, TIM COLE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *OUACHITA* - Mississippi River Gulf Outlet
Gulf Coast Trailing Co./USACE, New Orleans District

DAILY REPORT

Date: 11 / 30 / 96 Loads: 27 - 45
Area(s) Worked: 376500 TO 381000 (29°27'N 89°03'W)
Weather Conditions: PARTLY SUNNY TO OVERCAST w/RAIN, WIND SE TO S 10-25 K, SWS 4-8'
Range of H₂O Temperature: Surface 64° Below Mid-Depth 64°
Condition of all screening apparatus: STARBOARD TED REQUIRED FREQUENT REPAIRS.

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.):
VERY CLEAN MATERIAL, LITTLE DEBRIS COLLECTED

BIOLOGICAL SPECIMENS: 1 PEN SHELL, 2 UNIDENTIFIED RAYS, 2 FLOUNDER, 1 LARGE STINGRAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>BOTTLENOSE DOLPHIN</u>	<u>2</u>	<u>3-4</u>	<u>NEAR PONY 7 & BOW 8</u>

Observer(s) On Duty: C. SAKAS, T. COLE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *OUACHITA* - Mississippi River Gulf Outlet
Gulf Coast Trailing Co./USACE, New Orleans District

DAILY REPORT

Date: 12 / 01 / 96 Loads: 46 - 44
Area(s) Worked: 376500 to 381000 (29° 27' N 89° 03' W)
Weather Conditions: HEAVY RAIN TO CLEAR, WIND N-WNW 12-30 KNOTS, SEAS 2-4'
Range of H₂O Temperature: Surface 61 - 64° Below Mid-Depth 64.3 - 66°
Condition of all screening apparatus: FORWARD LANDING SCREEN FELL DOWN 3-4 TIMES.
STBD TED REPAIRED TWICE, ONE SHACKLE REPLACED ON PORT TED.

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

Comments (type of material being dredged, biological specimens, etc.):
MATERIAL VERY CLEAN - LITTLE DEBRIS.

BIOLOGICAL SPECIMENS: 1 MANHADEN, 1 ATLANTIC STING RAY
1 COWNOSE RAY, -1 UNIDENTIFIED RAY, 1 FLOUNDER,

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>NO SIGHTINGS</u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

Observer(s) On Duty: LATHY SAKAS & TIM COLE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *OUACHITA* - Mississippi River Gulf Outlet
Gulf Coast Trailing Co./USACE, New Orleans District

WEEKLY SUMMARY

Dates: 11 28 196 - 12 10 196 Loads: # 1 - # 64
Range of H₂O Temperature: Surface 61°-64° F Below Mid-Depth 64.3°-66° F
Area(s) Worked: 376500 to 381000 29°27N 89°03W

Are there incidents involving endangered or protected species? Yes No

Comments: There were no incidents involving endangered or protected species. There were no sightings of endangered species. Sightings of protected species are listed below.

Dredged material was of fine sand and mud.

Repairs were made to the forward ladder screen, starboard dragarm TED and port dragarm TED.

Biotic samples taken included 10 menhaden, 5 Atlantic stingrays, 5 flounders, 1 cow nose ray, 1 large red fish, 2 spade fish, 1 lesser electric ray, 1 per shell, 2 lightning whelks, 1 southern stingray, 2 mantis shrimp, 1 ornate crab, 2 tongue fish, 5 unidentified stingrays, 1 bearded sea star, 2 anemones, 2 spade fish, 1 purse crab, grass

Abiotic samples caught in screen included wood, plastic, rope, mud, metal scarp, plastic bucket, cardboard, plastic glove

In general the dredged material is practically void of trash. The tender overflow screen had to be cleaned only a few times during the first two days of dredging.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tt</u>	<u>4</u>	<u>8-9</u>	<u>Near Buoys 7 & 8 and 29°27.2N 89°02.8W</u>

Observers On Duty: Cathy Sakas, Tim Cole

Attachment

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *OUACHITA* - Mississippi River Gulf Outlet
Gulf Coast Trailing Co./USACE, New Orleans District

DAILY REPORT

Date: 12 / 02 / 96 Loads: 65 - 81
Area(s) Worked: 376500 - 381000 (29°27'N 89°03'W)
Weather Conditions: MOSTLY CLOUDY - PARTLY CLOUDY, WIND N-S 18-5K, SEAS 1-2'
Range of H₂O Temperature: Surface 56.5 - 65° Below Mid-Depth 64 - 66°
Condition of all screening apparatus: OK TWO REPAIRS MADE TO BOTH POINT #1
STBD TEDS

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

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

VERY CLEAN MATERIAL - LITTLE DEBRIS

BIOLOGICAL SPECIMENS: 1 TONGUEFISH, 1 STING RAY,
1 FLOUNDER, 1 PEN SHELL, 1 COWNOKE RAY,
1 SAWTOOTH PEN SHELL, 1 LIGHTNING WHEEL,
1 BEADED SEA STAR,

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>BOTTLENOSE DOLPHIN</u>	<u>2</u>	<u>6</u>	<u>NEAR POND 5</u>

Observer(s) On Duty: C. SAKAS, T. COLE

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge *OUACHITA* - Mississippi River Gulf Outlet
 Gulf Coast Trailing Co./USACE, New Orleans District

DAILY REPORT

Date: 12 / 03 / 96 Loads: 82-99
 Area(s) Worked: 376500-381000 29°27'N 89°03'W
 Weather Conditions: CLEAR-PARTLY CLOUDY, WIND NW-NNW 6-10, SEAS CALM-1'
 Range of H₂O Temperature: Surface 57-64° Below Mid-Depth 64-64.5°
 Condition of all screening apparatus: STBD TED REQUIRED MINOR RECHACKLINE ON 3 OCCASIONS. ALL OTHER SCREENING OK.
8" CRACK FOUND ON BOTTOM PLATE OF STB TED. DOESN'T AFFECT SCREENING

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.):
MATERIAL CLEAN w/ LITTLE DEBRIS

BIOLOGICAL SPECIMENS: 1 WHELL SHELL, 1 COWNOSE RAY, 1 LARGE FLOUNDER, 2 TONGUEFISH, 1 ATLANTIC STING RAY, 14" SEGMENT OF UNFRESH DIGESTIVE TRACK (?) TISSUE - UNDETERMINABLE ORIGIN.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>BOTTLENOSE DOLPHIN</u>	<u>4</u>	<u>23</u>	<u>1 MOTHER & CALF PAIR</u>
<u>PORTUGUESE MAN.O. WAR</u>	<u>2</u>	<u>31</u>	<u>AT DUMPSITE</u>

Observer(s) On Duty: C. SALAS, T. COLE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge OUACHITA - Mississippi River Gulf Outlet
Gulf Coast Trailing Co./USACE, New Orleans District

DAILY REPORT

Date: 12 / 04 / 96 Loads: # 100
Area(s) Worked: 3765⁺⁰⁰ - 3810⁺⁰⁰ 29°27N 89°03W
Weather Conditions: CLEAR WIND WNW 10K SEAS 21'
Range of H₂O Temperature: Surface — Below Mid-Depth 64.2°
Condition of all screening apparatus: OK*

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

Comments (type of material being dredged, biological specimens, etc.):
ONLY 1 LOAD TODAY - WENT TO DOCK TO REFUEL
* REPACKAGED PARTS OF STBD TED WHILE AT DOCK
ANY RESIDUAL DEBRIS CLEARED FROM ALL SCREENING

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>NO SIGHTINGS</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>

Observer(s) On Duty: T. COLE & C. SARAS

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge *OUACHITA* - Mississippi River Gulf Outlet
 Gulf Coast Trailing Co./USACE, New Orleans District

DAILY REPORT

Date: 12 105 196 Loads: # 101 - # 114
 Area(s) Worked: 372000 to 381000 29°27'N 89°02'W
 Weather Conditions: Overcast w/showers - Partly cloudy - Fog; NNE-SW winds 8-20 knots; Seas slightl
 Range of H₂O Temperature: Surface 60°-61° F Below Mid-Depth 60°-63° F choppy at 100-200'
 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.):
There were no incidents or sightings of endangered species. There were no incidents involving protected species. Sightings of protected species listed below.

Dredged material was fine sand and mud.

Biotic samples taken included: 1 large unidentified ray, 18 pen shells, 3 sheephead, 42 small blue crabs, 2 menhaden, 20 mantis shrimp, 17 sea stars, grass, 14 tongue fish, 16 spider crabs, 9 Atlantic cutlass fish, 85 annelids, 1 sea cucumber, 1 large redfish, 16 tongue fish, 1 pipefish, 2 unidentified eel, 1 unidentified crab, 1 unidentified marine worm, 3 conger eels, 1 flounder, 1 stippled spoon-nose eel, 5 sooty eel, 4 sawtooth pen shell, 10 beaded sea stars, 1 purse crab, 1 polychaete worm, 2 Atlantic stingrays, 1 catfish, 1 large blue crab.

Abiotic items taken included wood and plastic.
Cleaned overflow screen after 9 out of 14 loads.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>BOTTLENOSE DOLPHIN</u>	<u>2</u>	<u>8</u>	<u>ONE SIGHTING AT DUMPSITE, 2ND SIGHTING w/ MOTHER & CALF.</u>

Observer(s) On Duty: Cathy Sakas, Tim Cole

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge *OUACHITA* - Mississippi River Gulf Outlet
 Gulf Coast Trailing Co./USACE, New Orleans District

DAILY REPORT

Date: 12/06/96 Loads: #115 through #121
 Area(s) Worked: 372000 to 381000 29°02'N 89°02'W
 Weather Conditions: Fog to Partly Cloudy to Sunny - SW to SSE winds 7-10 knots - Seas calm
 Range of H₂O Temperature: Surface 57°F Below Mid-Depth 64.2°F
 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.):

- There were sightings or incidents involving endangered species. There were no incidents involving protected species. Sightings of protected species listed below.
- Dredged material was fine sand and mud.
- Dredging was temporarily stopped for fog from 0000 to 0438 and from 1152 to 2359 due to broken hopper door.
- Biotic specimens taken included grass, 2 penshell, 1 whelk, 38 small blue crabs, 10 unident eels, 7 sea cucumbers, 7 bearded sea star, 1 large blue crab, 27 Atlantic cutlass fish, 12 spider crabs, 2 Atlantic croakers, 1 sheepshead, 2 fringed flounders, 2 hardhead catfish, 2 shrimp, 5 tonguefish, 2 menhaden, 5 anemones, 9 mantis shrimp, 1 Atlantic croaker, 1 sharptail goby, 2 unidentified flounder, 1 unidentified fish, 1 Atlantic torpedo, 1 longtail tonguefish.
- Eleven shrimpboats were observed near dredge site.
- Abiotic items caught in screens included net, rope, wood, fishing line, mud, plastic.
- Overflow screen cleaned after each load.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T+</u>	<u>5</u>	<u>18</u>	<u>Sightings near dumpsite and in channel</u>

Observer(s) On Duty: Cathy Sakas, Tim Cole

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *OUACHITA* - Mississippi River Gulf Outlet
Gulf Coast Trailing Co./USACE, New Orleans District

DAILY REPORT

Date: 12 / 07 / 96 Loads: #122 - 134
Area(s) Worked: 3270⁺ - 3180⁺ 29°27'N 89°02'W
Weather Conditions: FOG - CLEAR, WIND WSW - N 12-26K, SEAS 1-3'
Range of H₂O Temperature: Surface 66° - 68° Below Mid-Depth 68° - 72°
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.):

- NO INCIDENTS OR SIGHTINGS OF ENDANGERED OR PROTECTED SPECIES

- MATERIAL FINE MUD

- BIOTIC SAMPLES: WOOD DEBRIS, SEA GRASS, 3 UNIDENTIFIED ANEMONES, 1 ATLANTIC STINGRAY, 2 ATLANTIC TERPEDO, 2 BEADED SEA STAR, 3 SMALL BLUE CRAB, 1 UNIDENTIFIED FLOUNDER, 1 LIGHTNING WHELL, 108 MENHADEN, 4 MANTIS SHRIMP, 2 SPIDER CRABS, 1 PEN SHELL, 2 SEA CUCUMBER, 3 SOOTY EEL, 1 TONGUE FISH, 1 WHELL

- ABIOTIC: PLASTIC, MONOFILAMENT LINE, COTON FISH NET.

- CENTRAL OVERFLOW CLEANED 1 OUT OF 13 LOADS

0912

RESUMED DREDGING AFTER REPAIRS TO HOPPER DOOR IN NEW ORLEANS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>NO SIGHTINGS</u>			

Observer(s) On Duty: T. COLE & C. SAKAS

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge OUACHITA - Mississippi River Gulf Outlet
Gulf Coast Trailing Co./USACE, New Orleans District

DAILY REPORT

Date: 12 1 08 196 Loads: #135 - 155
 Area(s) Worked: 3720⁺ - 3810⁺ 29°27N 89°02W
 Weather Conditions: CLEAR, WIND NW-NNW 26-14k, SEAS 2-3'
 Range of H₂O Temperature: Surface 59 - 62.5° Below Mid-Depth 64.2 - 69.8°
 Condition of all screening apparatus: GOOD CENTER OVERFLOW REQUIRED INTERMITTENT CLEANING OF WOOD & GLASS.

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

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

- THE FRONT RIGHT QUARTER OF A LOGGERHEAD SEA TURTLE WAS RECOVERED FROM THE CENTER OVERFLOW SCREEN. PARTS RECOVERED INCLUDED THE FRONT RIGHT FLIPPER, PIECES OF SHELL & PLASTON, ESOPHAGUS & INTESTINES. PARTS WERE KEPT ABOARD TO MATCH W/ ANY ADDITIONAL PARTS THAT MIGHT BE FOUND IN SUBSEQUENT LOADS.
- DREDGED MATERIAL IS FINE MUD, BECOMING GRADUALLY CLEANER OF DEBRIS.
- BIOTIC SAMPLES INCLUDE: 6 ANEMONES, 2 CRASS FEA, 3 ATLANTIC TORPEDO, 3 BEADED SEA STARS, 24 BLUE CRABS, 2 CRABS, 2 EELS, 3 FLOUNDER, 5 FRINGED FLOUNDER, 4 LESSER ELECTRIC RAYS, 3 LIGHTNING WITELK, 9 MERMIDIAN, 5 MANTIS SHRIMP, 1 SPIDER CRAB, 3 REDFISH, 4 RN SHELL, 5 SEA CUCUMBER, 2 SOOTY EEL, 4 TONGUE FISH, 1 HEART COCKLE.
- ABIOTIC SAMPLES: PLASTIC BAGS, COTTON FISHNET, METAL DEBRIS, 2 TIRES.
- MINOR REPAIRS MADE TO BOTH STBD & PORT TETDS

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>BOTTLE NOSE DOLPHIN</u>	<u>2</u>	<u>2</u>	<u>1 SIGHTING AT DREDGE SITE, OTHER NEAR DUMPSITE.</u>

Observer(s) On Duty: T. COLE & C. SARAS

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge *OUACHITA* - Mississippi River Gulf Outlet
 Gulf Coast Trailing Co./USACE, New Orleans District

WEEKLY SUMMARY

Dates: 12 / 07 / 96 - 12 / 08 / 96 Loads: #65 - 155

Range of H₂O Temperature: Surface 56.5 - 68° Below Mid-Depth 64 - 72°

Area(s) Worked: 3720⁰⁰ - 3910⁰⁰ (29°27N 89°02W)

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

Comments: THERE WAS ONE INCIDENT INVOLVING A LOGGERHEAD SEA TURTLE. THE TURTLE'S FRONT RIGHT QUARTER WAS RECOVERED FROM THE CENTER OVERFLOW-SCREEN. PARTS RECOVERED INCLUDED THE FRONT RIGHT FLIPPER, PIECES OF THE SHELL & PLASTRON, ESOPHAGUS & INTESTINES. PARTS WERE LEFT ABOARD TO MATCH W/ ANY ADDITIONAL PARTS THAT MIGHT BE FOUND IN SUBSEQUENT LOADS. SEE ATTACHED INCIDENT REPORT.

- DREDGED MATERIAL IS FINE MUD
- REPAIRS MADE TO PORT & STBD TEDS. CENTER OVERFLOW REQUIRED FREQUENT CLEARING OF DEBRIS.
- BIOTIC SAMPLES INCLUDED: 99 ANEMONES, 3 ATLANTIC CROAKER, 38 CUTLASS FISH, 4 ATLANTIC STINGRAY, 6 ATLANTIC TORPEDO, 40 SEA STAR, 109 BLUE CRABS, 2 LOUPOUSE RAY, 4 UNIDENTIFIED CRAB, 11 UNIDENTIFIED CELLS, 1 UNIDENTIFIED FISH, 9 FLOUNDER, 7 FRINGED FLOUNDER, 3 HARDHEAD CATFISH, 4 LESSER ELECTRIC RAY, 5 LIGHTNING WHEEL, 1 LONGTAIL TONGUEFISH, 140 MENHADEN, 30 MANTIS SHRIMP, 31 SPIDER CRAB, 1 PIPEFISH, 2 MARINE WORMS, 1 PURSE CRAB, 2 UNIDENTIFIED RAYS, 4 REDFISH, 31 PEN SHELLS, 25 SEA CUCUMBERS, 1 SHARP-TAIL GOBY, 4 SHEEPS-HEAD, 2 UNIDENTIFIED SHRIMP, 10 SOOTY EELS, 1 STIPLE SPOON-NOSE EEL, 43 TONGUEFISH, 3 WHEEL, 4 HEART COLE.
- ABIOTIC SAMPLES INCLUDE: WOOD, PLASTIC, SEA GRASS, METAL SCRAP, PLASTIC BOTTLES, CAR TIRES, ROPE.
- CENTER OVERFLOW REQUIRED FREQUENT CLEANING THIS WEEK.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>BOTTLENOSE DOLPHIN</u>	<u>15</u>	<u>57</u>	<u>2 MOTHER & CALF PAIRS SEEN</u>
<u>PORTUGUESE MANOWAR</u>	<u>2</u>	<u>31</u>	<u>AT DUMPSITE.</u>

Observers On Duty: TIM COLE & CATHY SAKAS

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge ~~OUACHITA - Matagorda Bay, TX~~ Mississippi River Gulf Outlet
 Gulf Coast Trailing Co./USACE, Galveston District
 New Orleans

DAILY REPORT

Date: 12 / 09 / 96 Loads: # 156 - 173
 Area(s) Worked: 3720⁺⁰⁰ - 3810⁺⁰⁰ 29° 27' N 89° 03' W
 Weather Conditions: CLEAR WINDS NW-SE 3-22K SEAS 0-3'
 Range of H₂O Temperature: Surface 57.8-66.1 Below Mid-Depth 64.3-67.0
 Condition of all screening apparatus: OK - MINOR REPAIR MADE TO STEEL TED. CENTER OVERFLOW REQUIRED CLEANING 7 TIMES.

Are there incidents involving endangered or protected species? Yes No

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

- NO INCIDENTS INVOLVING ENDANGERED OR PROTECTED SPECIES. SIGHTINGS MADE OF BOTTLENOSE DOLPHINS.
- MATERIAL DREDGED IS FINE MUD & SAND.
- BIOTIC SAMPLES INCLUDE: 35 ANEMONE, 5 CUTLASS FISH, 7 TORPEDO FISH, 26 SEA STAR, 61 BLUE CRAB, 1 COWNOSE RAY, 1 CRAB, 2 FISH, 5 FLOUNDER, 2 FRINGED FLOUNDER, 2 CAT FISH, 6 VESTER ELECTRIC RAY, 9 MENHADEN, 9 MANTIS SHRIMP, 1 PURSE CRAB, 7 PEN SHELL, 13 SEA CUCUMBER, 2 SOOTY EEL, 5 TONGUEFISH, 10 BICOLOR EEL, 1 HORSESHOE CRAB, 1 ORNATE CRAB, 1 HORSE-EYE JACK, 1 SHARK, 1 YELLOWFIN TUNA
- ABIOTICS: WOOD, PLASTIC, ROPE, CLOTH

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>BOTTLENOSE DOLPHIN</u>	<u>2</u>	<u>2</u>	

Observer(s) On Duty: T. COLE & C. SAKAS

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *OUACHITA* - Mississippi River Gulf Outlet
Gulf Coast Trailing Co./USACE, New Orleans District

DAILY REPORT

Date: 12 / 10 / 96 Loads: #174 - 188
Area(s) Worked: 3720⁰⁰ - 3810⁰⁰ 29°27'N 89°02'W (BETWEEN BOUYS 4/5 & 10/11)
Weather Conditions: CLEAR - PARTLY CLOUDY, WIND S-WSW 8-14 KNOTS, SEAS 0-2'
Range of H₂O Temperature: Surface 59 - 67° Below Mid-Depth 63.5 - 68°
Condition of all screening apparatus: GOOD. CENTER OVERFLOW REQUIRED CLEANING OF DEBRIS 8 TIMES.

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.): ADDITIONAL PARTS OF THE LOGGERHEAD (*CALCHA CRETIA*) TAKEN ON 12/08/96 FOUND IN CENTER OVERFLOW. THE SECTION INCLUDED THE HEAD, LEFT FRONT FLIPPER, & PARTS OF THE SHELL & PLASTON. BREAKS IN THE SHELL MATCHED THE BREAK ON THE SECTION RECOVERED 12/08/96. SEE ATTACHED INCIDENT REPORT.

- MATERIAL DREDGED FINE MUD & SAND SOME WOOD, PLASTIC, ROPE, CLOTH & SEA GRASS MIXED IN.

- BIOTIC SAMPLES INCLUDE: 11 ANEMONE, 3 GUTLESS FISH, 16 TORPEDO FISH, 18 SEA STAR, 114 BLUE CRAB, 3 UNIDENTIFIED CLAM, 1 UNIDENTIFIED LILY, 2 SLANDER, 2 PRINTED FLUNDER, 2 LESSER ELECTRIC RAY, 9 MENHADEN, 4 MANTIS SHRIMP, 4 SPIDER CRAB, 1 PURSE CRAB, 1 UNIDENTIFIED RAY, 6 PEN SHELL, 11 SEA CUCUMBER, 4 UNIDENTIFIED SHRIMP, 3 TONGUE FISH, 1 HORSHOE CRAB, 1 INSHORE LIZARD FISH, 2 ROCK SEA BASS, 2 WHITINGS, 1 BANDTAIL PUFFER.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO SIGHTINGS			

Observer(s) On Duty: C. SAKAS & T. COLE

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge **OUACHITA** - Mississippi River Gulf Outlet
 Gulf Coast Trailing Co./USACE, New Orleans District

DAILY REPORT

Date: 12 / 11 / 96 Loads: #189 - 203
 Area(s) Worked: 3720⁺ - 3810⁺ (29°27'N 89°02'W) BETWEEN BOYS 5/6 & 11/12
 Weather Conditions: CLEAR - MOSTLY CLOUDY, WIND SW-SSE 10-17, SEAS 1-2'
 Range of H₂O Temperature: Surface 63.5 - 68° Below Mid-Depth 66 - 70°
 Condition of all screening apparatus: GOOD. CENTER OVERFLOW REQUIRED CLEANING 5 TIMES.

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

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

- THERE WERE NO INCIDENTS INVOLVING ENDANGERED OR PROTECTED SPECIES
- MATERIAL DREDGED IS FINE MUD & SAND.
- BIOTIC SAMPLES INCLUDED: 6 ANEMONE, 1 CUTLASS FISH, 3 SEA STAR, 36 SMALL BLUE CRAB, 1 DOWNNOSE RAY, 1 UNIDENTIFIED RAY, 10 UNIDENTIFIED FLOUNDER, 8 FRINGED FLOUNDER, 6 LESSER ELECTRIC RAY, 1 LIGHTNING WHELF, 5 LONGTAIL TONGUEFISH, 1 MINTY SHIMP, 3 SPIDER CRAB, 1 REDFISH, 6 PEN SHELL, 12 SEA CUCUMBER, 1 ATLANTIC SPADEFISH - 1 STIPPLE SPOON-NOSE EEL, 4 TONGUEFISH, 3 BICOLOR EEL, 2 ROCK SEA BASS.
- ABIOTIC SAMPLES: WOOD, PLASTIC, CLOTH

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>NO SIGHTINGS</u>			

Observer(s) On Duty: C. CARAS & T. COLE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *OUACHITA* - Mississippi River Gulf Outlet
Gulf Coast Trailing Co./USACE, New Orleans District

DAILY REPORT

Date: 12 / 12 / 96 Loads: #204 - 218
Area(s) Worked: 3720'' - 3810'' 29°27'N 89°02'W BETWEEN BOYS 9/6 & 11/12.
Weather Conditions: CLEAR - PARTLY CLOUDY w/ FOG; WIND S-WSW 8-15 KNOTS; SEAS 1-2'
Range of H₂O Temperature: Surface 63.5 - 69° Below Mid-Depth 68 - 70°
Condition of all screening apparatus: GOOD. CENTER OVERFLOW REQUIRED ONLY TWO CLEANINGS.

Are there incidents involving endangered or protected species? Yes No

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

- DREDGED MATERIAL IS FINE MUD & SAND
- BIOTIC SAMPLES INCLUDE: 12 ANEMONES, 2 CUTLASS FISH, 1 TORPEDO FISH, 24 SMALL BLUE CRAB, 2 FLOUNDER, 2 HARD-HEAD CATFISH, 2 LESSER ELECTRIC RAY, 1 MENHADEN, 2 SPIRIT CRAB, 4 PEN SHELL, 6 SEA CUCUMBER, 2 SHRIMP, 7 TONGUE FISH, 1 ROCK SEA BASS, 2 SPOT.
- ABIOTIC SAMPLES: PLASTIC, CLOTH, 1 COFFEE CAN.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
BOTTLENOSE DOLPHIN	2	9	NEAR BOYS 9 & 11, RESPECTIVELY

Observer(s) On Duty: T. COLE & C. SAKAS

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge *OUACHITA* - Mississippi River Gulf Outlet
 Gulf Coast Trailing Co./USACE, New Orleans District

DAILY REPORT

Date: 12 / 13 / 96 Loads: # 219 - 234
 Area(s) Worked: 3720⁰⁰ - 3830⁰⁰ 29°27'N 89°02'W BETWEEN BOOYS 5/6 & 11/12
 Weather Conditions: FOGGY - CLEAR; WIND SW - N - NE, 5-12 KNOTS; SEAS 1-3'
 Range of H₂O Temperature: Surface 67.5 - 70° Below Mid-Depth 70 - 72°
 Condition of all screening apparatus: GOOD CENTER OVERFLOW SCREEN REQUIRED
CLEANING TWO TIMES

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

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

- THERE WERE NO INCIDENTS OR SIGHTINGS OF ENDANGERED OR PROTECTED SPECIES.
- DREDGED MATERIAL IS FINE MUD & SAND
- BIOLOGIC SAMPLES INCLUDE: 1 ANEMONE, 3 CUTLASS FISH, 1 TARPEDO FISH, 7 SEA STAR, 1 LARGE BLUE CRAB, 25 SMALL BLUE CRAB, 1 UNIDENTIFIED FISH, 5 FLOUNDER, 5 FRINGED FLOUNDER, 2 CATFISH, 4 LESSER ELECTRIC RAY, 1 MANTIS SHRIMP, 5 SPIDER CRAB, 1 UNIDENTIFIED RAY, 4 PEN SHELL, 10 SEA CUCUMBER, 1 UNIDENTIFIED SHRIMP, 1 SOUTHERN EEL, 9 TONGUEFISH, 1 CHAIN WORM EGGS, 3 BICOLOR JELLS, 1 UNIDENTIFIED SHARK
- ABLOTTICS: WOOD, PLASTIC

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>NO SIGHTINGS</u>			

Observer(s) On Duty: T. COVE & C. SARAS

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge *OUACHITA* - Mississippi River Gulf Outlet
 Gulf Coast Trailing Co./USACE, New Orleans District

DAILY REPORT

Date: 12 / 14 / 96 Loads: # 235 - 249
 Area(s) Worked: 3720⁺ - 3830⁺ 29°27N 89°02W BETWEEN BOYS 9/6 & 11/12.
 Weather Conditions: CLEAR - PARTLY CLOUDY; WIND E-NE, 6-16 KNOTS, SEAS 1-3'
 Range of H₂O Temperature: Surface 63.5 - 69° Below Mid-Depth 69 - 70°
 Condition of all screening apparatus: GOOD CENTER OERFLOW REQUIRED CLEARING OF DEBRIS 5 TIMES.

Are there incidents involving endangered or protected species? Yes No

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

- DREDGED MATERIAL IS FINE MUD & SAND.
- BIOTIC SAMPLES INCLUDE: 20 ANEMONE, 2 CUTLASS FISH, 1 ATLANTIC STINGRAY, 20 SEA STAR, 49 SMALL BLUE CRAB, 1 UNIDENTIFIED CRAB, 4 FRINGED FLOUNDER, 2 HARDHEAD CATFISH, 4 VESPER ELECTRIC RAY, 3 LONGTAIL TONGUEFISH, 2 MANTIS SHRIMP, 7 SPIDER CRAB, 1 PIPEFISH, 5 PEN SHELL, 18 SEA CUCUMBER, 1 STIPED SPOON-NOSE EEL, 13 TONGUEFISH, 5 BICOLOR EEL, 1 SOUTHERN STINGRAY, 1 SMALL (3') BULL SHARK.
- ABIOTICS: PLASTIC, COTTON FISH NET, ROPE, CLOTH.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
BOTTLENOSE DOLPHIN	1	3	NEAR BOY 11.

Observer(s) On Duty: C. SAKAS & T. COLE

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge *OUACHITA* - Mississippi River Gulf Outlet
 Gulf Coast Trailing Co./USACE, New Orleans District

DAILY REPORT

Date: 12 / 15 / 96 Loads: # 250 - 260
 Area(s) Worked: 3720⁰⁰ - 3830⁰⁰ 29°27'N 89°02'W BETWEEN BOUYS 9/6 & 11/12.
 Weather Conditions: CLEAR - MOSTLY CLOUDY; WIND E-SE, 12-16 KNOTS; SEA 2-3'
 Range of H₂O Temperature: Surface 67° Below Mid-Depth 68°
 Condition of all screening apparatus: GOOD. CENTER OVERFLOW SCREEN REQUIRED CLEANING 4 TIMES.

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

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

- THERE WERE NO INCIDENTS INVOLVING ENDANGERED OR PROTECTED SPECIES.
- MATERIAL DREDGED WAS FINE MUD & SAND.
- BIOTIC SAMPLES INCLUDE: 13 ANEMONE, 9 SEA STAR, 17 SMALL BLUE CRAB, 2 UNIDENTIFIED CRAB, 2 FRINGED FLOUNDER, 2 LESSER ELECTRIC RAY, 6 LONGTAIL TONGUEFISH, 1 MANHATTEN, 3 MANTIS SHRIMP, 4 SPIDER CRAB, 2 PEN SHELL, 8 SEA CUCUMBER, 2 SOOTY EEL, 2 SOUTHERN STINGRAY, 3 TONGUEFISH, 1 CRESTED CUSH EEL, 1 UNIDENTIFIED SCALLOP, 2 BROWN SHRIMP, 1 ROCK SEA BASS.
- ABIOTICS: CLOTH, POLY FISH BOUY, PLASTIC
- DREDGE AT ANCHOR 12:00 - 16:58 THIS AFTERNOON

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>BOTTLENOSE DOLPHIN</u>	<u>1</u>	<u>5</u>	

Observer(s) On Duty: C. SAKAS & T. COLE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *OUACHITA* - Mississippi River Gulf Outlet
Gulf Coast Trailing Co./USACE, New Orleans District

WEEKLY SUMMARY

Dates: 12 / 09 / 96 - 12 / 15 / 96 Loads: #156 - 260

Range of H₂O Temperature: Surface 57.8 - 70° Below Mid-Depth 63.5 - 72°

Area(s) Worked: 3720⁰⁰ - 3830⁰⁰ 29°27'N 89°02'W BETWEEN BOUYS 9/6 & 11/12

Are there incidents involving endangered or protected species? Yes No

Comments: ADDITIONAL PARTS OF THE LOGGERHEAD (CARETTA CARETTA) TAKEN ON 12/08/96 FOUND IN CENTER OVERFLOW. PARTS INCLUDED THE HEAD, LEFT FRONT FLIPPER & PARTS OF SHELL & PLASTON. BREAKS IN THE SHELL MATCHED THE BREAK ON THE SECTION RECOVERED ON 12/08/96. SEE ATTACHED INCIDENT REPORT.

- DREDGED MATERIAL WAS FINE MUD & SAND.
- BIOTIC SAMPLES INCLUDED: 106 ANEMONE, 16 CUTLASS FISH, 1 ATLANTIC STINGRAY, 25 ATLANTIC TORPEDO, 83 SEA STAR, 1 LARGE BLUE CRAB, 326 SMALL BLUE CRAB, 2 LOWNOSE RAY, 5 UNIDENTIFIED CRAB, 3 UNIDENTIFIED EEL, 4 UNIDENTIFIED FISH, 24 FLOUNDER, 23 FRINGED FLOUNDER, 8 HARDHEAD CATFISH, 26 LESSER ELECTRIC RAY, 1 LIGHTNING WHELK, 14 LONGTAIL TONGUEFISH, 20 MENHADEN, 20 MANTIS SHRIMP, 25 NINE-SPINE SPIDER CRAB, 1 PIPEFISH, 2 PURSE CRAB, 2 UNIDENTIFIED RAYS, 1 RED DRUM, 34 PEN SHELL, 78 SEA CUCUMBER, 7 UNIDENTIFIED SHRIMP, 5 SOOTY EEL, 3 SOUTHERN STINGRAY, 1 SPADE FISH, 2 STRIPED CRAB-NOSE EEL, 44 TONGUEFISH, 1 CRESTED CUCK-EEL, 1 UNIDENTIFIED SCALLOP, 2 BROWN SHRIMP, 6 ROCK SEA BASS, 20 BICOLOR EEL, 1 BULL SHARK (3'), 2 UNIDENTIFIED SHARK, 2 SPOT, 2 WHITINGS, 1 BAND TAIL PUFFER, 1 INSHORE LIZARD FISH, 2 HORSESHOE CRAB, 1 ORNATE CRAB, 1 HORSE-EYE JACK, 1 YELLOWFIN TUNA.
- CENTER OVERFLOW SCREEN REQUIRED CLEANING 33 TIMES THIS WEEK.
- ABIOTIC DEBRIS MOSTLY PLASTIC BAGS, ALSO SOME CLOTH, ROPE & FISHING GEAR.

Bridge Watch Summary

Species	# of Sightings	TOTAL # of Animals	Comments
<u>FORTLENOSE DOLPHIN</u>	<u>6</u>	<u>19</u>	

Observers On Duty: T COLE & C. SAKAS

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge *OUACHITA* - Mississippi River Gulf Outlet
 Gulf Coast Trailing Co./USACE, New Orleans District

DAILY REPORT

Date: 12 / 16 / 96 Loads: # 261 through # 276
 Area(s) Worked: 372000 to 383000 29°27'N 89°02'W
 Weather Conditions: Partly cloudy to overcast - SE to W winds 8-12 knots (Yipes!) - Seas 2-5'
 Range of H₂O Temperature: Surface 62°-65° F. Below Mid-Depth 69° F
 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.):

There were NO incidents or sightings involving endangered species. There were NO incidents involving protected species. Sightings of protected species are listed below

Biological specimens taken in screens included 5 sea cucumbers, 4 bicolor eels, 3 nine spined spider crabs, 6 menhaden, 1 lesser electric ray, 2 fringed flounders, 1 unidentified flounder, 2 unidentified eels, 10 small blue crabs, 5 bearded sea stars, 1 Atlantic cutlass fish, 3 sea anemones, grass.

Abiotic samples taken in the screens included metal, wood, plastic, web belt (industrial), duct tape.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tt</u>	<u>4</u>	<u>18</u>	<u>Animals sighted at dump and in channel near buoys 6, 7 & 9. They were observed riding the bow waves of an outbound vessel.</u>

Observer(s) On Duty: CATHY SAKAS, TIM COLE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge OUACHITA - Mississippi River Gulf Outlet
Gulf Coast Trailing Co./USACE, New Orleans District

DAILY REPORT

Date: 12 17 196 Loads: # 277 to # 291
Area(s) Worked: 372000 to 383000 29°27'N 89°02'W
Weather Conditions: Overcast to Partly cloudy - W-N winds 11-30 knots - Seas 1-5'
Range of H₂O Temperature: Surface 58.5° - 64° F Below Mid-Depth 65 - 65.5° F
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.):
There were no sightings or incidents involving endangered species. There were no incidents involving protected species. Sightings of protected species listed below.

Dredged material is fine sand and mud.

Biological specimens collected on screens included 3 Atlantic croakers, 3 banded sea stars, 1 large and 20 small blue crabs, 5 unidentified flounders, 10 fringed flounders, 3 lesser electric rays, 7 longtail tonguefish, 7 menhaden, 5 nine spined spider crabs, 4 saw tooth pen shells, 3 sea cucumbers, 3 unidentified shrimp, 1 scoty eel, 1 southern stingray, 5 bicolor eels, 1 large tarpon, and 1 brown shrimp.

Abiotic material collected in screens included nets, wood & plastic.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T+</u>	<u>3</u>	<u>11</u>	<u>IN channel & riding bow waves of vessels near Channel buoys 7 & 9</u>

Observer(s) On Duty: Cathy Sakas, Tim Cole

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *OUACHITA* - Mississippi River Gulf Outlet
Gulf Coast Trailing Co./USACE, New Orleans District

DAILY REPORT

Date: 12 / 18 / 196 Loads: #292 through #307
Area(s) Worked: 372000 to 383000 29°27'N 89°02'W
Weather Conditions: Heavily overcast w/rain to partly cloudy - NW → N winds 12-30 knots -
Range of H₂O Temperature: Surface 55.8°F - 64°F Below Mid-Depth 1-3° - 1-5° ^{SEAS 2-6'}
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.): There were no incidents or sightings of endangered species. There were no incidents involving protected species. Sightings of protected species are listed below.

Dredged material is of fine sand and mud.

Biological specimens collected on the screens included 2 anemones, 2 beaded sea stars, 8 small blue crabs, 1 unidentified fish, 2 unidentified flounders, 4 fringed flounders, 1 hardhead catfish, 7 lesser electric rays, 2 longtail tonguefish, 4 morhades, 3 mantis shrimp, 1 unidentified ray, 4 sand tooth per shells, 4 sea cucumbers, 1 unidentified shrimp, 1 sooty eel, 1 southern stingray, 3 unidentified tonguefish, 1 rock sea bass, 2 smalltail sharks, and 1 bull shark.

Abiotic material collected on screens included net, wood, rope and metal (pipe & draghead shoes)

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tt</u>	<u>3</u>	<u>7</u>	<u>Near Channel Buoys 8 & 9 and riding bow wake of dredge</u>

Observer(s) On Duty: CATHY SAKAS, TIM COLE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge OUACHITA - Mississippi River Gulf Outlet
Gulf Coast Trailing Co./USACE, New Orleans District

DAILY REPORT

Date: 12 19 120 Loads: #308 through #322
Area(s) Worked: 372000 to 383000 29°27'N 89°02'W
Weather Conditions: Partly cloudy - NNW to NW winds 12-40 knots - Seas 1-6'
Range of H₂O Temperature: Surface 48.7°-62° F Below Mid-Depth 58.9°-68° F
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.): There were no incidents or sightings of endangered or protected species.

Dredged material is of fine sand and mud.

Biological specimens collected on the screens included 5 sea anemones, 2 Atlantic croakers, 2 Atlantic cutlass fish, 2 Atlantic stingrays, 1 Atlantic torpedo, 3 beaded sea stars, 15 small blue crabs, 1 unidentified fish, 4 unidentified flounders, 3 fringed flounders, 3 hardhead catfish, 7 lesser electric rays, 17 menhaden, 4 mantis shrimp, 1 nine spined spider crab, 3 unidentified rays, 3 saw tooth pen shells, 3 sea cucumbers, 1 sheepshead, 1 unidentified shrimp, 1 Southern stingray, 2 blunt nose stingray, 1 octopus spp. and 1 spotted eagle ray and grass.

Abiotic material collected in the screens included wood, plastic, rope and rubber.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>NO SIGHTINGS</u>			

Observer(s) On Duty: TIM COLE & CATHY SAKAS

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge ~~OUACHITA~~ - ~~Matagorda Bay, TX~~ Mississippi River Gulf Outlet
 Gulf Coast Trailing Co./USACE, Galveston District
 New Orleans

DAILY REPORT

Date: 12/20/96 Loads: #323 through 337
 Area(s) Worked: 372000 to 383000 29°27'N 89°02'W
 Weather Conditions: Partly cloudy to clear - WNW to ENE winds 10-20 knots - Seas
 Range of H₂O Temperature: Surface 49.5°-57° F Below Mid-Depth 55.8°-58° F
 Condition of all screening apparatus: Good - minor repairs were made to the chains on both TEDs

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

Comments (type of material being dredged, biological specimens, etc.): There were no sightings or incidents involving endangered or protected species.

Dredged material is of fine sand and mud.

Biological specimens collected on the screens included 10 sea anemones, 5 Atlantic croakers, 21 Atlantic cutlass fish, 13 Atlantic stingrays, 1 Atlantic torpedo, 10 bearded sea stars, 416 small blue crabs, 1 unidentified fish, 7 unidentified flounders, 1 fringed flounder, 2 hardhead catfish, 10 lesser electric rays, 1 long tail tongue fish, 15 menhaden, 14 mantis shrimp, 2 wire spined spider crabs, 1 unidentified ray, 10 sea cucumbers, 3 sooty eels, 1 Atlantic spadefish, 3 unidentified tongue fish, 21 bicolor eels, 2 unidentified octopus, 2 unidentified eusk eels, 4 white grunts, 3 brown shrimp, 1 spotted sea trout, 2 whiting and 1 shampie faced crab. (C. New!)

Abiotic materials collected on the screens included wood & plastic. Near the end of Load # 336 the port drag arm cable broke delaying dumping.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>NO SIGHTINGS</u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
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Observer(s) On Duty: CATHY SAKAS, TIM COLE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA - ~~Matagorda Bay, TX~~ Mississippi River Gulf Outlet
Gulf Coast Trailing Co./USACE, ~~Galveston District~~
New Orleans

DAILY REPORT

Date: 12 / 21 / 96 Loads: #338 - 352
Area(s) Worked: 3720⁺ - 3830⁺ 29°27'N 89°02'W BETWEEN BOUYS 5/6 & 11/12.
Weather Conditions: PARTLY CLOUDY - CLEAR; WIND E-ESE, 10-18 K; SEAS 1-2'
Range of H₂O Temperature: Surface 51.7° Below Mid-Depth 55.9°
Condition of all screening apparatus: GOOD CENTER OVERFLOW REQUIRED CLEANING 2 TIMES.

Are there incidents involving endangered or protected species? Yes No

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

- DREDGED MATERIAL IS FINE MUD & SAND.
- BIOTIC SAMPLES INCLUDE: 3 ANEMONE, 3 ATLANTIC CRABBER, 3 LOTJASS FISH, 21 ATLANTIC STING RAY, 4 UNIDENTIFIED SEA STAR, 33 SMALL BLUE CRAB, 3 UNIDENTIFIED EEL, 4 UNIDENTIFIED FLOUNDER, 2 HARDHEAD CATFISH, 7 LESSER ELECTRIC RAY, 1 LIGHTENING WHELK, 4 LONGTAIL TONGUEFISH, 13 MENHADEN, 8 MANTIS SHRIMP, 1 SPIDER CRAB, 2 SEA CUCUMBER, 1 SHEEPSHEAD, 3 UNIDENTIFIED SHRIMP, 3 SOOTY EEL, 1 SPADE-FISH, 2 TONGUEFISH, 4 BULL SHARK (ALREADY DIED & FINNED), 2 BICOLOR EEL, 1 UNIDENTIFIED BASS
- ABIOTICS: PLASTIC DEBRIS, ROPE.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>BOTTLENOSE DOLPHIN</u>	<u>5</u>	<u>28</u>	<u>2-3 JUVENILES</u>

Observer(s) On Duty: T. COLE & K. DAHLEN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA - ~~Matagorda Bay, TX~~ Mississippi River Gulf Outlet
Gulf Coast Trailing Co./USACE, ~~Galveston District~~
New Orleans

DAILY REPORT

Date: 12 / 22 / 96 Loads: #353 - 367
Area(s) Worked: 3720⁰⁰ - 3830⁰⁰ 29° 27'N 89° 02'W BETWEEN BOUYS 9/6 & 11/12.
Weather Conditions: CLEAR - MOSTLY CLOUDY; WIND ESE - SSE, 6-20 KNOTS; SEA 2-4' SWELL
Range of H₂O Temperature: Surface NOT TAKEN Below Mid-Depth 54.9° - 55.2°
Condition of all screening apparatus: GOOD. STD TED REQUIRED REPAIRS 4 TIMES, PORT TED REQUIRED 2 REPAIRS; CENTER OVERFLOW CLEANED 2 TIMES.

Are there incidents involving endangered or protected species? Yes No

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

- DREDGED MATERIAL IS FINE MUD & SAND.
- BIOTIC SAMPLES INCLUDE: 31 ATLANTIC STINGRAY, 46 SMALL BLUE CRAB, 2 UNIDENTIFIED EEL, 4 UNIDENTIFIED FISH, 2 FLENDER, 9 LESSER TUCKER RAY, 3 LONGTAIL TONGUEFISH, 3 MANTIS SHRIMP, 3 SPIDER CRAB, 1 PEN SHELL, 1 SEA CUCUMBER, 1 SHEEPSHEAD, 3 UNIDENTIFIED SHRIMP, 3 SOOTY EEL, 1 SOUTHERN STINGRAY, 1 SPADEFISH, 8 TONGUEFISH, 1 BULL GAR, 4 BICOLOR EEL, 1 UNIDENTIFIED BASS.

- ABIOTICS: PLASTIC DEBRIS, COTTON FISHING NET

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
BOTTLENOSE DOLPHIN	3	8	

Observer(s) On Duty: T. COVE & K. DAHLGREN

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge OUACHITA - Mississippi River Gulf Outlet
USACE, New Orleans District

WEEKLY SUMMARY

Dates: 12 / 16 / 96 - 12 / 22 / 96 Loads: #261 - 367

Range of H₂O Temperature: Surface 51.7 - 65° Below Mid-Depth 54.5 - 68°

Area(s) Worked: 3720⁰⁰ - 3830⁰⁰ 29°27N 89°02W BETWEEN BOWS 5/6 - 11/12.

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

Comments: PREGGED MATERIAL IS FINE MUD & SAND.

- BIOTIC SAMPLES INCLUDE: 19 ANEMONE, 13 ATLANTIC CROAKER, 27 CUTLASS FISH, 71 ATLANTIC STINGRAY, 2 ATLANTIC TORPEDO, 23 SEA STARS, 1 LARGE & 168 SMALL BLUE CRAB, 7 UNIDENTIFIED EELS, 7 UNIDENTIFIED FISH, 25 UNIDENTIFIED FLOUNDER, 20 FRINGED FLOUNDER, 8 HARDHEAD CATFISH, 44 LESSER ELECTRIC RAY, 1 LIGHTNING WHELK, 17 LONGTAIL TONGUEFISH, 64 MANHADEN, 32 MANTIS SHRIMP, 15 SPIDER CRAB, 5 UNIDENTIFIED RAY, 12 PEN SHELL, 24 SEA CUCUMBER, 3 SHEEPSHEAD, 11 UNIDENTIFIED SHRIMP, 11 SOOTY EEL, 4 SOUTHERN STINGRAY, 3 SPADEFISH, 16 TONGUEFISH, 1 ROCK SEA BASS, 19 BICOLOR EEL, 1 TARPON, 4 BROWN SHRIMP, 2 SMALLTAIL SHARK, 6 BULL SHARK (ALREADY DEAD & FINNED), 2 BLUNTNOSE STINGRAY, 3 UNIDENTIFIED OCTOPUS, 1 SPOTTED EAGLE RAY, 1 UNIDENTIFIED BASS, 1 SHAME FACE CRAB, 2 WHITING, 1 SPOTTED SEA TROUT, 4 WHITE GRUNT, 1 UNIDENTIFIED CUSE EEL.

- ABIOTIC MATERIALS INCLUDE PLASTIC, ROPE, FISHING NET, RUBBER, & METAL DEBRIS.

- CENTER OVERFLOW REQUIRED CLEANING 15 TIMES; PORT TED REPAIRED 4 TIMES; STBD TED REPAIRED 5 TIMES.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
BOTTLENOSE DOLPHIN	18	72	SEVERAL SIGHTINGS WITHIN 100' OF DREDGE.

Observers On Duty: TIM COLE, CATHY GAKAS & KIRSTEN DAHLEN.
(DEPARTED 12/21) (ARRIVED 12/21)

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge ~~OUACHITA - Matagorda Bay, TX~~ Mississippi River Gulf Outlet
Gulf Coast Trailing Co./USACE, Galveston District
New Orleans

DAILY REPORT

Date: 12 / 23 / 96 Loads: # 368 - 382
Area(s) Worked: 3720⁰⁰ - 3830⁰⁰ 29°27'N 89°02'W BETWEEN BOUYS 5/6 & 11/12.
Weather Conditions: CLEAR-MOSTLY CLOUDY; WIND WSW-ESE, 5-12 KNOTS; SEAS 2-4' SWELL.
Range of H₂O Temperature: Surface NOT TAKEN Below Mid-Depth 54.5°
Condition of all screening apparatus: GOOD. CENTER OVERFLOW REQUIRED ONE
CLEANING, STBD TED REQUIRED MAJOR RECHACKING ON INBOARD
SIDE

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

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

- DREDGED MATERIAL IS FINE MUD & SAND.
- BIOTIC SAMPLES INCLUDE: 1 ATLANTIC CRABKICK, 3 CUTLASS
FEEL, 7 ATLANTIC STINKRAY, 15 SMALL BLUE CRAB,
2 UNIDENTIFIED CELLS, 2 UNIDENTIFIED FLOUNDER,
2 MENHADEN, 2 MANTIS SHRIMP, 3 SEA CUCUMBER,
1 STIFFE SPOON-NOSE EEL, 5 TONGUEFISH, 3 BICOLOR EEL,
2 UNIDENTIFIED BASS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>BOTTLENECK DOLPHIN</u>	<u>5</u>	<u>27</u>	<u>4 SIGHTINGS W/IN 100' OF DREDGE.</u>

Observer(s) On Duty: T. COLE & K. DAHLEN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge OUACHITA - Matagorda Bay, TX Mississippi River Gulf Outlet
Gulf Coast Trailing Co./USACE, Galveston District
New Orleans

DAILY REPORT

Date: 12 / 24 / 96 Loads: # 383 - 398
Area(s) Worked: 3720⁰⁰ - 3830⁰⁰ 29°27'N 89°02'W BETWEEN BOYS 9/6 & 11/12
Weather Conditions: FOG & MOSTLY CLOUDY - PARTLY CLOUDY; WIND S-W-N, 8-30 KNOTS, SEAS 2-6' SWELL
Range of H₂O Temperature: Surface NOT TAKEN. Below Mid-Depth 59.2 - 56.8°
Condition of all screening apparatus: GOOD PORT TED REQUIRED REPAIRS 3 TIMES.
CENTER OVERFLOW CLEARED ONCE.

Are there incidents involving endangered or protected species? Yes No

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

- DREDGED MATERIAL IS FINE MUD & SAND.

- BIOTIC SAMPLES INCLUDES: 1 ANEMONE, 2 ATLANTIC ROAKER,
2 CUTLASS FISH, 5 ATLANTIC STINKRAY, 1 LARGE & 16 SMALL
BLUE CRAB, 1 UNIDENTIFIED EEL, 1 UNIDENTIFIED FISH, 5 FRINGED
FLOUNDER, 3 LONGTAIL TONGUEFISH, 6 MENHADEN, 7 MANTIS
SHRIMP, 2 SHEEPSHEAD, 5 UNIDENTIFIED SHRIMP, 2 SOOTY EEL,
5 TONGUEFISH, 1 UNIDENTIFIED BASS.

- ABIOTICS: PLASTIC DEBRIS, COTTON FISHING NET, CLOTH

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>BOTTLENOSE DOLPHIN</u>	<u>2</u>	<u>4</u>	

Observer(s) On Duty: T. COLE & K. DATTEN

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *OUACHITA* - Mississippi River Gulf Outlet
USACE, New Orleans District

DAILY REPORT

Date: 12 / 25 / 96 Loads: #399 - 410
Area(s) Worked: 3720⁰⁰ - 3830⁰⁰ 29°27'N 89°02'W BETWEEN BOUYS 5/6 & 11/12
Weather Conditions: PARTLY CLOUDY - CLEAR; WIND NE-NNE, 30-14 KNOTS; SEAS 2-6' w/ SWELL
Range of H₂O Temperature: Surface _____ Below Mid-Depth 55.1 - 57°
Condition of all screening apparatus: GOOD. CENTER OVERFLOW REQUIRED 1 CLEANING.

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

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

- DREDGED MATERIAL IS FINE MUD & SAND.
- BIOTIC SAMPLES INCLUDE: 5 ATLANTIC STINGRAY, 6 SMALL BLUE CRAB, 1 UNIDENTIFIED EEL, 1 UNIDENTIFIED FISH, 2 FLOUNDER SPP, 5 FRINGED FLOUNDER, 2 LESSER ELECTRIC RAY, 4 LONGTAIL TONGUEFISH, 2 MENHADEN, 12 MANTIS SHRIMP, 1 SHEEPSHEAD, 2 UNIDENTIFIED SHRIMP, 2 SOOTY EEL, 3 TONGUEFISH, 2 BICOLOR EEL, 1 CONGFISH.
- ABIOTIC MATERIALS INCLUDED: PLASTIC DEBRIS, FISHING NET, CLOTH.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>NO SLIGHTINGS</u>	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: T. COVE & K. DAHLEN.

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge OUACHITA - Mississippi River Gulf Outlet
USACE, New Orleans District

DAILY REPORT

Date: 12 / 26 / 96 Loads: #411 - 418
 Area(s) Worked: 3720⁰⁰ - 3830⁰⁰ 29 27N 89 02W BETWEEN BOYS 9/6 & 11/12
 Weather Conditions: CLEAR to PARTLY CLOUDY WINDS ESE-SSW 12K-10K SEAS 2-3'
 Range of H₂O Temperature: Surface NOT TAKEN Below Mid-Depth 56.5'
 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 IS FINE MUD & SAND
- BIOTIC SAMPLES INCLUDED: 1 ANEMONE; 2 ATLANTIC CRABER; 5 ATLANTIC STINGRAY; 1 LG & 1 SM BLUE CRAB; 2 EEL SPP.; 4 FRINGED FLOUNDER; 3 FLOUNDER SPP.; 1 LESSER ELECTRIC RM; 3 LIGHTNING WHELKS; 5 LONGTAIL TONGUEFISH; 2 MENHADEN SPP.; 2 SITT EEL; 10 TONGUEFISH SPP.; 2 BICOLOR EEL; 2 HERMIT CRAB SPP.; 1 PUFFER SPP.
- ABIOTIC MATERIALS INCLUDED: PLASTIC, FISHING NET, ROPE, CLOTH
- DREDGE HEADED TO JORDAN RD TERMINAL AT 1200.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TE</u>	<u>19</u>	<u>19</u>	<u>1 SIGHTING WITHIN 100' OF DREDGE</u>

Observer(s) On Duty: K DAHLEN ; T COLE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *OUACHITA* - Mississippi River Gulf Outlet
USACE, New Orleans District

DAILY REPORT

Date: 12 / 27 / 196 Loads: NO LOADS
Area(s) Worked: DREDGE AT DOCK UNTIL 2030 NAF
Weather Conditions: NA
Range of H₂O Temperature: Surface NA Below Mid-Depth NA
Condition of all screening apparatus: OK

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

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

*DREDGE DOCKED AT JOURDAN ROAD UNTIL 2030, STEAMED AND ANCHORED
AT DUMP SITE DUE TO FOG.

NO WATCH MAINTAINED

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>NA</u>			

Observer(s) On Duty: K DAHLEN T COLE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *OUACHITA* - Mississippi River Gulf Outlet
USACE, New Orleans District

DAILY REPORT

Date: 12 / 28 / 96 Loads: NO LOADS

Area(s) Worked: NA

Weather Conditions: NA

Range of H₂O Temperature: Surface NOT TAKEN Below Mid-Depth NOT TAKEN

Condition of all screening apparatus: OK

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

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

- DREDGE OUACHITA ANCHORED DUE TO DENSE FOG.

- REPAIRS MADE TO PORT & STBD TED CHAINS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>NO SIGHTINGS.</u>			

Observer(s) On Duty: K DAHLEN, T COLE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *OUACHITA* - Mississippi River Gulf Outlet
USACE, New Orleans District

DAILY REPORT

Date: 12 / 29 / 96 Loads: # 419 - 422
Area(s) Worked: 3720⁰⁰ - 3830⁰⁰ 29°27'N 89°02'W BETWEEN BOUYS 5/6 & 11/12.
Weather Conditions: THICK FOG - PARTLY CLOUDY; WIND N-SE, 9-14 KNOTS, SEAS 1-2'
Range of H₂O Temperature: Surface NOT TAKEN. Below Mid-Depth 56.2°
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 FINE MUD & SAND.

- LITTLE BIOTIC OR ABIOTIC DEBRIS ON SCREENS.

- *OUACHITA* AT ANCHOR UNTIL 1203 DUE TO FOG

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>NO SIGHTINGS</u>	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: T. COLE & K. DAHLEN

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge *OUACHITA* - Mississippi River Gulf Outlet
 USACE, New Orleans District

WEEKLY SUMMARY

Dates: 12 / 23 / 96 - 12 / 29 / 96 Loads: # 368 - 422

Range of H₂O Temperature: Surface NOT TAKEN Below Mid-Depth 54.5 - 57°

Area(s) Worked: 3720'' - 3830'' 29° 27' N 89° 02' W BETWEEN BOUYS 9/6 & 11/12

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

Comments: - DREDGED MATERIAL WAS FINE MUD & SAND.

- DREDGING STOPPED BETWEEN 1200 ON 12/26 & 1203 ON 12/29
FOR PORT CALL & SUBSEQUENTLY FOR DENSE FOG.

- ABIOTIC SAMPLES INCLUDED: 2 ANEMONE, 5 ATLANTIC CROAKER,
5 CUTLASS FISH, 22 ATLANTIC STINGRAY, 2 LARGE & 43 SMALL
BLUE CRAB, 6 UNIDENTIFIED EEL, 2 UNIDENTIFIED FISH, 7
FLOUNDER SPP., 14 FRINGED FLOUNDER, 7 LESSER ELECTRIC RAY,
3 LIGHTENING WHELE, 12 LONGTAIL TONGUEFISH, 12 MENHADEN SPP.,
21 MANTIS SHRIMP, 3 SEA CUCUMBER, 3 SHEEPSHEAD,
7 UNIDENTIFIED SHRIMP, 6 SOOTY EEL, 1 SPADEFISH, 1 STILE
SPORN-NOSE EEL, 23 TONGUEFISH SPP., 7 BICOLOR EEL,
4 BASS SPP., 1 COWFISH SPP., 2 HERMIT CRAB SPP., 1 PUFFER
FISH SPP.

- ABIOTIC MATERIALS INCLUDED: PLASTIC DEBRIS, FISHING NET, CLOTH,
METAL.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>BOTTLENOSE DOLPHIN</u>	<u>16</u>	<u>50</u>	<u>5 SIGHTINGS WITHIN 100' OF DREDGE</u>

Observers On Duty: T. COLE & K. DAHLEN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *OUACHITA* - Mississippi River Gulf Outlet

USACE, New Orleans District

DAILY REPORT

Date: 12 / 30 / 96 Loads: #423 - 428

Area(s) Worked: 3720⁺⁰⁰ - 3830⁺⁰⁰ 29°27'N 89°02'W BETWEEN ROWS 5/6 & 11/12.

Weather Conditions: THICK fog - PARTLY CLOUDY; WIND SE-NE 10-14K; SEA 1-2' H2O Temp 58.5

Condition of all screening apparatus: GOOD. CENTER OVERFLOW CLEANED 1 TIME.

Are there incidents involving endangered or protected species? Yes No

Comments: DREDGED MATERIAL IS FINE MUD & SAND.

-BIOTIC SAMPLES INCLUDED: 4 ATLANTIC CROAKER, 5 ATLANTIC STRINGRAY, 2 LARGE & 15 SMALL BLUE CRAB, 2 UNIDENTIFIED EELS, 2 UNIDENTIFIED FISH, 2 FLOUNDER SPP, 5 FRINGED FLOUNDER, 2 LESSER ELECTRIC RAY, 6 LONGTAIL TONGUEFISH, 7 MENHADEN SPP, 9 MANTIS SHRIMP, 3 SPIDEL CRAB, 1 PORSE CRAB, 2 TUN SHELL, 1 SHRIMP GAP, 4 SOOTY EEL, 2 SPADEFISH, 2 TONGUEFISH, 2 SEA STAR, 4 BICOLOR EEL, 2 RUFFER FISH SPP.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>BOTTLENOSE DOLPHIN</u>	<u>4</u>	<u>21</u>	<u>3 SIGHTINGS W/IN 100' OF DRIDGE.</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: T. COLE & K. DAHLIN

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge *OUACHITA* - Mississippi River Gulf Outlet
 USACE, New Orleans District

DAILY REPORT

Date: 12 / 31 / 196 Loads: 429-430
 Area(s) Worked: 3720¹⁰⁰ - 3830¹⁰⁰ 29°27'N 89°02'W
 Weather Conditions: Fog WINDS NE 10K SFC 1-2' H2O Temp 62.0
 Condition of all screening apparatus: GOOD

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

Comments: _____

DREDGE MATERIAL IS FINE SAND & MUD

BIOTIC SAMPLES INCLUDE: 2 ATLANTIC BROOKERS, 1 ATLANTIC SEINGRAYS, 2 SEASTAR,
(6 SMALL BLUE CRAB, 2 EEL SPP, 2 FLOUNDER SPP) (6 FRINGED FLOUNDER, 1 HARDHEAD CATFISH,
1 LONGTAIL TONGUEFISH, 3 BRENHAGEN SPP, 1 MANTIS SHRIMP, 2 NINE SPINE SPIDER CRAB,
2 SEA CUCUMBER SPP, 1 SHRIMP SPP) 4 SMOOTH EEL, 4 TONGUEFISH SPP, 4 BI-COLOR EEL

ABIOTIC SAMPLES INCLUDE FISHING LINE ROPE AND PLASTIC

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tt</u>	<u>31</u>	<u>8</u>	<u>Approx 10' of eel caught while at bridge</u>

Observer(s) On Duty: KOAHLEN, T. COLE

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge *OUACHITA* - Mississippi River Gulf Outlet
 USACE, New Orleans District

WEEKLY SUMMARY

Dates: 12/30/196 - 12/31/196 Loads: *423 - 430 Range of H2O Temp 58.5-62.1

Area(s) Worked: 3720¹⁰⁰ - 3830¹⁰⁰ 29°27'N 89°02'W BETWEEN ROYS 5/6 & 11/12.

Are there incidents involving endangered or protected species? Yes No

Comments: _____

- DREDGE MATERIAL IS FINE SAND & MUD.
- BIOTIC SAMPLES INCLUDED: 6 ATLANTIC CROAKER, 9 ATLANTIC STINGRAY, 2 BEADED SEA STAR, 2 LARGE & 21 SMALL BLUE CRAB, 4 UNIDENTIFIED EEL, 2 UNIDENTIFIED FISH, 4 FLOUNDER SPP, 11 FRINGED FLOUNDER, 1 HARDHEAD CATFISH, 2 LESSER ELECTRIC RAY, 13 LONGTAIL TONGUEFISH, 10 MENHADEN SPP, 13 MANTIS SHRIMP, 5 SPIDER CRAB, 1 PIPEFISH, 1 PURSE CRAB, 2 BN SHELL, 2 SEA CUCUMBER, 2 SHRIMP SPP, 8 SOOTY EEL, 2 SPATE FISH, 6 TONGUEFISH, 2 SEA STAR SPP, 8 BICOLORED EEL, 2 PUFFERFISH SPP.
- ABIOTIC MATERIALS: FISHING LINE, POPE & PLASTIC.
- CONSIDERABLE AMOUNT OF DOWNTIME DUE TO DENSE FOG.
- INSPECTION FOR TURTLE TAKES CEASED AT 24:00 ON 12/31.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>BOTTLENOSE DOLPHIN</u>	<u>5</u>	<u>29</u>	<u>4 SIGHTINGS WITHIN 100' OF DREDGE.</u>

Observer(s) On Duty: J COLE, K DAHLEN