ENDANGERD 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 H_2O 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 X

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 WHELK), 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
Tt (B. DOLPHIN)	2	15-19	IN CHANNEL WORK ARE B/T G#5 AND G#7.

Observer(s) On Duty: DANA ROSS

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge MANHATTAN IS 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 VARIED 7-18K, SEAS CALM-4', SKY CLR-PTLY CLDY 69-91°F

Range of H_2O 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 (SAWTOOTH PEN, LIGHTNING WHELK), 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) 28" RED DRUM.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TE (B. DOLPHIN)	3	10-11	ALL SIGHTING W/I CHANNEL WORK AREA
P (GRASSHOPPER SPARROW)	(3-4 HOURS)	1	WET & WEAK WHILE ON BOARD

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

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

DAILY REPORT

Date: 10 / 23 / 96 Loads: 37-38

Area(s) Worked: 3815+00 → 3770+00

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

Range of H_2O 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 X

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

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

DAILY REPORT

Date: 10 / 24 / 96 Loads: 039 - 049

Area(s) Worked: STATIONS 3770+00 → 3815+00

Weather Conditions: WIND SW - E @ <13k, SKY CLR - HAZY - PTL/CLDY, SEAS <4', 71-78°F

Range of H_2O 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 WHELK SHELL, ONE (1) PEN SHELL, ONE (1) PIECE OF WOOD AND SOME CLOTH.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	1	12	in channel W/I work area off stbd bow ≈6 individuals were small subadults

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

ENDANGERD 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: STATIONS 3770+00 → 3815+00 & 3785+00 → 3810+00 GREENSIDE

Weather Conditions: WIND W-SE @ 2-22K, SEAS 2-8' W/SWELL, SKY MSTLY CLDY - PTLY CLDY, 70-87°F

Range of H_2O Temperature: Surface 72°F Below Mid-Depth 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 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 WHELK).

THE BIOLOGICAL SPECIMENS TODAY WERE LIMITED TO SEVEN (7) RAYS AND TWO (2) SKATES.

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 PERCY

ENDANGERD 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: STATIONS 3785+00 → 3810+00 GREENSIDE

Weather Conditions: WINDS SE-W 2-18K, SEAS 3-8' W/SWELL, SKY PTLY-MSTLY CLDY 77-86°F

Range of H_2O 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 MIX OF FINE SAND AND SILT. THE DEBRIS TAKEN INCLUDED SHELL (LIGHTNING WHELK, PEN), WOOD, PLASTIC, CLOTH & MOLDED FIBERGLASS.

THE BIOLOGICAL SPECIMENS WERE LIMITED TO THREE(3) RAYS (UNID) AND ONE (1) LESSER ELECTRIC RAY, 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 ROSS, MEGHAN PIERCY

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

DAILY REPORT

Date: 10 / 27 / 96 Loads: 078 - 092

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

Weather Conditions: WIND CALM-ESE @ 26', SEAS 2-3', SKY HAZY-CLR, 75-90° F

Range of H_2O 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 14/15 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
TT (B. DOLPHIN)	2	14-16	W/I AND WEST OF THE WORK AREA

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

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

DAILY REPORT

Date: 10 / 28 / 96 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 H_2O 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 DUMP.

THERE WERE NO TRAWLERS WORKING IN THE AREA TODAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

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

ENDANGERD 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 375+50 to 381+50 *

Weather Conditions: LIGHT, mostly Southerly Breezes ~5 knots, mostly clear skies. seas 2-3

Range of H_2O Temperature: Surface _____ Below Mid-Depth 73°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
Pteracotus	1	2	about the "G7" CHANNEL MARKER

Observer(s) On Duty: LIZ POMERET / JOHN KNECHT

ENDANGERD 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 CLR-PTCYCLDY, 73-93°F

Range of H_2O 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** 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 TAKEN TODAY INCLUDED FISHING/TRAWL NETTING, PLASTICS, WOOD, STEEL (PIEN), 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
Tt (B. DOLPHIN)	2	10	OBSERVED NEAR PROJECT AREA

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

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

DAILY REPORT

Date: 10 / 30 / 96 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 H_2O 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 penshells, lightening whelks, 8 flounder, 2 stingrays.

Bridge Watch Summary

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

Observer(s) On Duty:

ENDANGERD 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 H_2O 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** X

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
Tursiops truncatus	2	12	In channel and returning from dump site.

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

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

DAILY REPORT

Date: 11 / 1 / 96 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 H_2O 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 X

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 penshells, 1 [illegible] and 3 flounder.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	1	3	in channel = one individual has a large chunk taken out of it's dorsal fin.

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

ENDANGERD 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 H_2O 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.):
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: ½ red drum (large), lightening whelk, sawtooth penshell, 1 flounder, 2 stingray.

Bridge Watch Summary

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

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 H_2O 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 WHELK 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) FLOUNDER, 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/I THE WORK AS WELL AS DURING TRANSPORT T/F THE DUMPSITE

Observers On Duty: DANA ROSS, MEGHAN PIERCY

ENDANGERD 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: WIND E/N/NE @ 8-20K, SEAS <6' W/SWELL, SKY P/C-CLR, 56-81°F

Range of H_2O 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 SHELL (PEN).

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

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt (B. DOLPHIN)	1	4	W/I WORK AREA

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

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

DAILY REPORT

Date: 11 / 4 / 96 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 H_2O 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 X

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
Tursiops truncatus	2	12	near dumpsite,

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

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

DAILY REPORT

Date: 11 / 5 / 96 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 H_2O 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 X

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
Tursiops truncatus	2	7	crossed in front of bow in channel while dredging
			one group went directly beneath dredge while dredging.

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

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

DAILY REPORT

Date: 11 / 6 / 96 Loads: 219 - 232

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

Weather Conditions: WIND CALM - SE @ 16K, SEAS CALM - 3-4' W/SWELL, SKY CLR-M/C, 72-80°F

Range of H_2O 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** X

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 WHELK) CABLE, MONOFILAMENT FISHING LINE (100 lb. (+)), METAL PIPE, RUBBER AND HYDRAULIC FITTINGS.
THE INCIDENTAL BIOLOGICAL TAKE INCLUDED ONE (1) SEASTAR, TWO (2) FLOWDER AND TWO (2) UNID'D STINGRAYS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt (B. DOLPHIN)	3	13	W/T THE PROJECT AREA

Observer(s) On Duty: DANA ROSS, MICHAEL DIERCY

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

DAILY REPORT

Date: 11 / 7 / 96 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 H_2O 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 penshells, 4 unidentified rays, 1 unidentified skate, 1 flounder

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

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

ENDANGERD SPECIES OBSERVER PROGRAM

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

DAILY REPORT

Date: 11 / 8 / 96 Loads: 246 - 257

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

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

Range of H_2O 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 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 RETAINED IN THE INFLOW SCREENING CONSISTED OF SHELL (PENSHELL, LIGHTNING WHELK, WOOD, PLASTIC, ALUMINUM SODA CAN, AND ROPE. THE INCIDENTAL BIOLOGICAL TAKE INCLUDED TWO (2) UNID'D STINGRAY, ONE (1) UNID'D SKATE, THREE (3) FLOUNDER, 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

ENDANGERD 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 27K - CALM, SEAS 6' - CALM, SKY CLR, 58°-74°F

Range of H_2O 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 (DEN, LIGHTNING WHELK) AND STEEL HARDWARE.
THE INCIDENTAL BIOLOGICAL SPECIMENS TAKEN TODAY WERE TWO (2) SKATES (UNID'D), ALGAE, SIX (6) FLOUNDER, FISH PARTS (UNID'D), TWO (2) LESSER ELECTRIC RAYS, ONE (1) COWNOSE RAY, AND FIVE STINGRAY (UNID'D).

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TE (BOTTLENOSE DOLPHIN)	3	7	W/I PROJECT AREA & DUMP SITE

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: 11/3/96 - 11/9/96 Loads: 180 - 269

Range of H_2O 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) STINGRAYS (UNID'D)
ONE (1) CRAB (UNID'D)
ONE (1) ATLANTIC STINGRAY
ONE (1) GAFF TOPSAIL CATFISH
TWO (2) HARDHEAD CATFISH
TWENTY-ONE FLOUNDER (UNID'D)
TWO (2) FISH (UNID'D)
FISH PARTS (UNID'D)
THREE (3) RED DRUM
ONE (1) SEA STAR
ALGAE AND GRASS

Bridge Watch Summary

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

Observers 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 / 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 H_2O 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 X

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: Meghan Piercy / Dana Ross

ENDANGERD 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 H_2O 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, rop
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
Various species of dead fish	all morning	1000+	across channel at project area, dead, floating. This may be a result of barge leakage that was observed yesterday.
Tursiops truncatus	2	9	within project area

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

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

DAILY REPORT

Date: 11 / 12 / 96 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 H_2O 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 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: 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 / 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 - p/c, 65° - 82°F

Range of H_2O 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, penshell'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
Tursiops truncatus	2	14-16	within project area

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 / 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 H_2O 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 H_2O 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 prefrontal 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, moonsnail, 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 containership 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 MRGO, 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
Tursiops truncatus	4	23-25	within project area
Various species of dead fish	2	2000+	seen off and on during the days of 11/11 and 11/12

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 H_2O 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.

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

DAILY REPORT

Date: 11 / 17 / 96 Loads: Ø

Area(s) Worked: Ø

Weather Conditions: Windy, overcast, ≈ 70°F.

Range of H_2O 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

ENDANGERD 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 H_2O 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 X

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: WOODY DEBRIS, STINGRAYS, SHELL, PLASTICS, SEABASS.

Bridge Watch Summary

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

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

ENDANGERD 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 H_2O 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 X

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
Tursiops Truncatus	5	12	Sighted Around Work Area
Portuguese Man'O War	1	3 colonies	

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

ENDANGERD 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 PTLY CLOUDY, SEAS CALM TO 2', T 69 8

Range of H_2O 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** X

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
TURSIOPS TRUNCATUS	2	~~0707~~	SWIMMING WEST, IN WORK AREA

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

ENDANGERD 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 H_2O 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 X

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

MATERIAL BEING DREDGED CONSISTS OF 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
TURSIOPS TRUNCATUS	2	6	SIGHTED AROUND WORK AREA

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

ENDANGERD 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 H_2O 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
TURSIOPS TRUNCATUS	1	6	HEADING EAST OF WORK AREA, 1247

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

ENDANGERD 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 H_2O 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
TURSIOPS TRUNCATUS	2	3	HEADING NE FROM WORK AREA

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 H_2O 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 ~~HAS~~ WAS EXTENDED BY 2-3 MONTHS ON 11/22/96.

Bridge Watch Summary

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

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

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

DAILY REPORT

Date: 11 / 24 / 96 Loads: 420 — 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 H_2O 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 STINGRAY (10, UNIDENTIFIED), AND JONECRAB (1). DEBRIS INCLUDED PLASTIC, WOOD AND FIBERGLASS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NONE			

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

ENDANGERD 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 H_2O 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
TURSIOPS TRUNCATUS	3	11	SIGHTED IN WORK AREA

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

ENDANGERD 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- 50°-53

Range of H_2O Temperature: Surface 67°-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. BIOLOGICAL SPECIMENS COLLECTED IN BOXES 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
TURSIOPS TRUNCATUS	4	10	MOST SIGHTED IN WORK AREA, 1 IN DUMP AREA

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

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge MANHATTAN IS 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 H_2O 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 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
TURSIOPS TRUNCATUS	1	3	IN WORK AREA 3770+00 → 3810+00; 0640

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

ENDANGERD 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 H_2O 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 [redacted] IS NOW DIGGING ALONGSIDE.
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Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TURSIOPS TRUNCATUS	2	4	

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

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

DAILY REPORT

Date: 11 / 29 / 96 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 H_2O 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
TURSIOPS TRUNCATUS	1	3	SIGHTED IN WORK AREA

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 H_2O 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
TURSIOPS TRUNCATUS	11	31	MOST SIGHTED IN WORK AREA 3770 → 3810

Observers On Duty: AMY GAGNON / JIM HENDERSON

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

DAILY REPORT

Date: 12 / 1 / 96 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 H_2O 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
TURSIOPS TRUNCATUS	4	16	SIGHTED IN WORK AREA

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

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

DAILY REPORT

Date: 12 / 2 / 96 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 H_2O 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
TURSIOPS TRUNCATUS	1	2	1523, SIGHTED IN WORK AREA

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

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

DAILY REPORT

Date: 12 / 3 / 96 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 H_2O 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 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 2 STINGRAY (UNIDENTIFIED). DEBRIS INCLUDED WOOD, SHELL, FABRIC, ROPE, METAL AND PLASTIC

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TURSIOPS TRUNCATUS	2	5	SIGHTED IN WORK AREA

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

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

DAILY REPORT

Date: 12 / 4 / 96 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 H_2O 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 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 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
TURSIOPS TRUNCATUS	3	17	SIGHTED NEAR SEABUOY # 7

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

ENDANGERD 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 1-10 KT, T-58° 61°

Range of H_2O Temperature: Surface 62°F Below Mid-Depth 62°F

Condition of all screening apparatus: EXCELLENT — DRAGTENDER INFORMED OF CRACK WELD ON PORT DEFLECTOR

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 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
TURSIOPS TRUNCATUS	1	6	SIGHTED AT DUMP SITE

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

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge MANHATTAN IS 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 H_2O 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 APROXIMATELY 5 HOURS AT ANCHOR DUE TO POOR VISIBILITY CAUSED BY FOG.

Bridge Watch Summary

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

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

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

DAILY REPORT

Date: 12 / 7 / 96 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 H_2O 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 X

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

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

DRENGE WAS AT ANCHOR FROM 0128 TO 0737 DUE TO FOG

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TURSIOPS TRUNCATUS	3	7	NEAR SEABUOYS #12 AND #13

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 / 96 - 12 / 7 / 96 Loads: 2-61

Range of H_2O 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
TURSIOPS TRUNCATUS	18	71	SIGHTED NEAR DREDGE IN WORK AREA AND DUMP AREA

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 H_2O 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
TURSIOPS TRUNCATUS	8	34	MOST SIGHTED IN WORK AREA, SOME AT DUMP

Observers On Duty: AMY GAGNON / JIM HENDERSON

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

DAILY REPORT

Date: 12 / 8 / 96 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 H_2O 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. 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
TURSIOPS TRUNCATUS	1	3	AT DUMP SITE

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

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

DAILY REPORT

Date: 12 / 9 / 96 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 H_2O 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
TURSIOPS TRUNCATUS	1	4	SIGHTED IN WORK AREA

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

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

DAILY REPORT

Date: 12 / 10 / 96 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 H_2O 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 X

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, CHAIN, NET, CABLE AND A TIRE

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

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

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

DAILY REPORT

Date: 12 / 11 / 96 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 H_2O Temperature: Surface 61°-64°F Below Mid-Depth 61°-65°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 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
TURSIOPS TRUNCATUS	1	7	IN WORK AREA ; 1205

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

ENDANGERD 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', WIND NE TO NW 1-10 KT, TEMP - 64° - 73°F

Range of H_2O 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 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
BOTTLE NOSE DOLPHINS	2	5	WORK AREA

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

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

DAILY REPORT

Date: 12 / 13 / 96 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 H_2O 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 X

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 & BIOLOGICAL SPECIMENS WERE COLLECTED. OTHER DEBRIS INCLUDED ROPE, PLASTIC, FISHING LINE, FABRIC AND METAL.

NEW ASSIGNMENT IN AREA 3500+00 → 3565+00 WAS STARTED ON LOAD #105

DREDGE AT ANCHOR 0020 → 0915 DUE TO FOG

Bridge Watch Summary

Specie	# of Sightings	# of Animals	Comments
TURSIOP TRUNCATUS	2	13	SIGHTED AT WORK AREA

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

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

DAILY REPORT

Date: 12 / 14 / 96 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 H_2O 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 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
TURSIOPS TRUNCATUS	1	3	SIGHTED AT WORK AREA

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

ENDANGERD 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 H_2O 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 X

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
TURSIOPS TRUNCATUS	3	14	SIGHTED AT WORK AREA

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

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

DAILY REPORT

Date: 12 / 16 / 96 Loads: 122 – 129

Area(s) Worked: 3500+00 → 3565+00

Weather Conditions: MOSTLY CLOUDY, SEAS 1-4', WIND

Range of H_2O 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 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
TURSIOPS TRUNCATUS	3	19	SIGHTED IN WORK AREA

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

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

DAILY REPORT

Date: 12 / 17 / 96 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 H_2O 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 X

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
TURSIOPS TRUNCATUS	4	11	

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

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

DAILY REPORT

Date: 12 / 19 / 96 Loads: NA

Area(s) Worked: NA

Weather Conditions: NA

Range of H_2O 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 COLTRAINE AT 0730.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: AMY GAGNON / JESSE COLTRAINE

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

DAILY REPORT

Date: 12 / 20 / 96 Loads: 145-151

Area(s) Worked: 3500+00 → 3565+00

Weather Conditions: CLEAR, SEAS 1', WIND ENE TO NE 5-15 KT, T-39°-49°F

Range of H_2O Temperature: Surface 54°F Below Mid-Depth 54°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
TURSIOPS TRUNCATUS	1	12	IN WORK AREA

Observer(s) On Duty: AMY GAGNON / JESSE COLTRAINE

ENDANGERD 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 5-10 KT, T-48°F - 71°F

Range of H_2O 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** X

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
TURSIOPS TRUNCATUS	2	12-14	

Observer(s) On Duty: AMY GAGNON / JESSE COLTRAINE

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

WEEKLY SUMMARY

Dates: 12 / 15 / 96 - 12 / 21 / 96 Loads: 114 - 159

Range of H_2O 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
TURSIOPS TRUNCATUS	13	68 - 70	SIGHTED IN WORK AREA

Observers On Duty: AMY GAGNON / JIM HENDERSON / JESSE COLTRAINE

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

DAILY REPORT

Date: 12 / 22 / 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 H_2O 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 X

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
TURSIOPS TRUNCATOS	1	4	IN WORK AREA

Observer(s) On Duty: AMY GAGNON/JESSE COLTRAINE

ENDANGERD 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 PTLY CLOUDY, SEAS 1-4', WIND SE 5 KT, T-60°-75°F

Range of H_2O 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 X

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
TURSIOPS TRUNCATUS	1	2	WORK AREA 3500+00 → 3565+00

Observer(s) On Duty: AMY GAGNON / JESSE COLTRAINE

ENDANGERD 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 H_2O 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 X

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 COLTRAINE

ENDANGERD 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 H_2O 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** X

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 COLTRAINE

ENDANGERD 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 H_2O 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 X ★

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 / JESSE COLTRAINE

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

DAILY REPORT

Date: 12 / 27 / 96 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 H_2O 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 X

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 FOR FOG

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TURSIOPS TRUNCATUS	2	8-10	

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 H_2O 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 INFLOW 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
TURSIOPS TRUNCATUS	4	14-16	MOST SIGHTED IN WORK AREA; 2 IN DUMP

Observers On Duty: AMY GAGNON / JESSE COLTRAINE

ENDANGERD 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 H_2O 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 COLTRAINE

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

DAILY REPORT

Date: 12 / 29 / 96 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 H_2O 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 X

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 COLTRAINE

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

DAILY REPORT

Date: 12 / 30 / 96 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 H_2O 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 X

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 COLTRAINE

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

DAILY REPORT

Date: 12 / 31 / 96 Loads: NA

Area(s) Worked: NA

Weather Conditions: NA

Range of H_2O 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 AT ANCHOR FOR FOG 0000 → 2332

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: [illegible]