

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge MERMENTAU - Sabine Pass, TX

USACE, Galveston - 1998

17 AUG 1998

DAILY REPORT

Date: 8 / 13 / 98 Loads: 1-6

Area(s) Worked: Stations 15+000-18+000

Weather Conditions: Partly Cloudy to Overcast, N to NEly wind 4-30kts Seas 1-3

Range of H<sub>2</sub>O Temperature: Surface 33°C Below Mid-Depth 33°C

Condition of all screening apparatus: Good

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

Comments (type of material being dredged, biological specimens, etc.): Dredging began in Sabine - Neches waterway at 1635. Dredge material is silt with some clay. Biological samples light consisting of whelk egg casings, whelk shell. Abiotic samples include: line, net, rope, metal, plastic, plastic bucket, and other assorted trash. Port drag arm not used for load # 2. All equipment and screening intact and fully functional.

Observers Charlotte Cates and Doug Murlless on board at 0630.

There were no incidents involving endangered species.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	2	7	

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

ENDANGERED SPECIES OBSERVER PROGRAM

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

17 AUG 1998

DAILY REPORT

Date: 8 / 14 / 98 Loads: 7-24

Area(s) Worked: Stations 15+000-18+000

Weather Conditions: Partly cloudy to overcast with rain, variable wind 4-12 kts, east.

Range of H<sub>2</sub>O Temperature: Surface 30°C Below Mid-Depth 28°-30°C

Condition of all screening apparatus: Bottom half of port launder (foreward) fell out during load # 12 at 0639, some material on port side is not being screened. Rain prevented crew from repair work.

Are there incidents involving endangered or protected species? Yes  No

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

Dredge material is silt with some clay. Biological samples light and include: whelk egg casings, whelk, catfish, oysters, small conch shell. Abiotic samples include: line, net rope, plastic jugs, cloth, tin cans, gloves, wood and other assorted trash.

There were no incidents involving endangered species.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tursiops truncatus</u>	<u>11</u>	<u>37</u>	<u>Bottlenose dolphins</u>
<u>Caretta caretta</u>	<u>1</u>	<u>1</u>	<u>Seen 15 feet off bow, came to surface and ship turned to port side. Turtle appeared to go under ship.</u>
_____	_____	_____	_____
_____	_____	_____	_____

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

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge MERMENTAU - Sabine Pass, TX

USACE, Galveston - 1998

DAILY REPORT

Date: 8/15/98 Loads: 25-41

Area(s) Worked: Stations 15+000-18+000

Weather Conditions: Partly Cloudy, to overcast, some rain, variable wind 5-10kts

Range of H<sub>2</sub>O Temperature: Surface 28°-31° C Below Mid-Depth 28° C Seas 1-3'

Condition of all screening apparatus: Great. Port launder repaired by the fine crew of Mermentau.

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

Comments (type of material being dredged, biological specimens, etc.): Dredge material is silt with some clay. Biological samples light and include; catfish, whelk egg casings, oysters. Abiotic samples include; line, net, rope, plastic buckets, plastic bags, wire, Durlap bags, cloth, metal rods, milk crate pieces, milk jugs, cable and hose. Very old turtle carapace was also found along with other bones from possible fish. All equipment and screening intact and fully functional.

There were no incidents with endangered species.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	11	40	Bottlenose dolphins
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge MERMENTAU - Sabine Pass, TX

USACE, Galveston - 1998

DAILY REPORT

Date: 8 / 16 / 98 Loads: 42-59

Area(s) Worked: Stations 15+000-18+000

Weather Conditions: Partly Cloudy - overcast, variable wind 0-15kts, seas 1-2'

Range of H<sub>2</sub>O Temperature: Surface 29-34°C Below Mid-Depth 29-30°C

Condition of all screening apparatus: Good

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

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

Dredge material is silt with little clay. Biological specimens include; whelk egg casings, oysters, shells, moon snail, catfish, sea pen shells. Trash samples include; line, net, rope, cloth, metal scrap, plastic bags, burlap bags, wood, metal rods, milk crate, wire, cable and other assorted trash. All equipment and screening in good working order. Several old bones were found from dolphins and possibly turtles. There were no incidents involving endangered species.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<i>Tursiops truncatus</i>	1	7	

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

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge MERMENTAU - Sabine Pass, TX

USACE, Galveston District

WEEKLY SUMMARY

Dates: 8/13/98 - 8/16/98

Loads: 1-59

Range of H<sub>2</sub>O Temperature: Surface 28°-34°C

Below Mid-Depth 28°-33°C

Area(s) Worked: Stations 15+000-18+000

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

Comments: Dredging began in Sabine Pass-Neches Waterway at 1635 hours on August 13. Dredge material is silt with very little clay. Biological samples include; whelk egg casings, whelk shells, catfish, oysters, small conch shells, moon shells and sea pen shells. Several old bones have been found from dolphins and possibly turtles. Abiotic samples have been moderate in quantity and include; line, net, rope, cloth, wire, wood, plastic jugs, plastic bags, plastic crates, metal scrapes, metal rods, tin cans, gloves, cable, rubber hose, wire and other assorted trash. The bottom half of the forward port launder fell out on 8/14/98 but the screening was modified the following day to ensure 100% inflow screening. All equipment and screening intact and fully functional.

Observers Charlotte Cates and Doug Murlless boarded 8/13 at 0630 hours.

There were no incidents involving endangered species.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<i>Tursiops truncatus</i>	25	91	Bottlenose dolphins
<i>Caretta caretta</i>	1	1	Seen 15 feet off port bow. Came to surface as ship turned to port. turtle appeared to go under ship.

Observers On Duty: Charlotte Cates, Doug Murlless

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge MERMENTAU - Sabine Pass, TX

USACE, Galveston - 1998

DAILY REPORT

Date: 8, 17, 98 Loads: 60-82

Area(s) Worked: Stations 15+000 to 18+000

Weather Conditions: Sunny/clear - Overcast/medium rain, winds 4-20knts, Seas calm-3ft

Range of H<sub>2</sub>O Temperature: Surface 29.5°-31° C Below Mid-Depth 29°-30° C

Condition of all screening apparatus: Good

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

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

Dredge material is silt with some clay both aerobic and anaerobic layers. Screened material is mostly human debris consisting of plastic bags, plastic sheeting, clothing, lumber, milk jugs and crates, fishing line, rubber hose, shrimp and cast nets, burlap bags, nylon and cotton rope, rain gear, oil filters, various steel plates and rods 1/2" thick, window screen and other types of steel mesh. Minimal amounts of biological specimens were observed including oysters, clams, moon snails, seapens, whelk egg casings and Cat fish.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<i>Tursiops truncatus</i>	3	11	stations 18344 and 15547 had dolphin activity

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

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge MERMENTAU - Sabine Pass, TX

USACE, Galveston - 1998

DAILY REPORT

Date: 8 / 18 / 98 Loads: 83-110

Area(s) Worked: stations 10+000 to 18+000

Weather Conditions: medium Sun / no rain - Heavily Overcast / no rain, winds 0-14 knts, Seas 0-2ft

Range of H<sub>2</sub>O Temperature: Surface 30°-31°C Below Mid-Depth 29°-30°C

Condition of all screening apparatus: Good

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

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

Dredge material is silt and clay both aerobic and anaerobic layers. Screened material was almost exclusively manmade debris including: cast nets, shrimp nets, nylon + cotton rope, burlap sacks, plastic bags + sheeting, asphalt, fishing line, clothing, lumber, oil filter, steel wire and screening, plastic jugs including five gallon water jug, and rubber line. Biological samples include oysters, Callinectes sapidus (blue crab), and whelk egg casings.

A 78 minute delay did occur with engine cooling problems. A temporary fix was attempted.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			None

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

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge MERMENTAU - Sabine Pass, TX

USACE, Galveston - 1998

DAILY REPORT

Date: 8 / 19 / 98 Loads: 111-143

Area(s) Worked: Stations 10+000 to 15+000

Weather Conditions: Sunny-Clear / no rain - overcast / no rain, winds 0-12 knt, Seas 0-2 ft

Range of H<sub>2</sub>O Temperature: Surface 30-32°C Below Mid-Depth 30°C

Condition of all screening apparatus: Good

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

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

Dredge material is silt and clay both aerobic and anaerobic layers. Screened material was very light in quantity. Biotic samples included oysters, bird bones, grass, whelk egg casings, wood, and an unknown old bone kept to identify. Man made debris included plastic bags, nylon rope, tin and aluminum cans, soda bottles, belt, rubber, shrimp nets, wire, clothing, fishing line, steel cable and a styrofoam buoy.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tursiops truncatus</u>	1	2	

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

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge MERMENTAU - Sabine Pass, TX

USACE, Galveston - 1998

DAILY REPORT

Date: 8/20/98 Loads: 144-179

Area(s) Worked: Stations 10<sup>+000</sup> - 18<sup>+000</sup>

Weather Conditions: Sunny-Hazy/no rain - Lightning Squall/heavy rain, Wind 2-35 kts, Seas 0-5ft

Range of H<sub>2</sub>O Temperature: Surface 29°-33°C Below Mid-Depth 29°-31°C

Condition of all screening apparatus: Good

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

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

Dredged material consisted of silt and clay both aerobic and anaerobic layers. Screened material was light in quantity and consisted mostly of man-made debris. Man-made debris consisted of metal (aluminum cans, wire mesh, shackle, paint can, tin cans, hydraulic line); plastic (rope, nets, bags, ribbon, fishing line, milk jugs, oil bottle, glove, cups, floats, paint roller, mesh bags, Sch 80 PVC pipe, rubber seals). Also included was clothing, oil filters, duct tape, and a shoe. Biotic samples were minimal and included pieces of wood, sea grass, clams, oyster, moon snails, whelk shells and a small conch shell.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tursiops truncatus</u>	<u>4</u>	<u>9</u>	<u>Around Bow</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge MERMENTAU - Sabine Pass, TX

USACE, Galveston - 1998

DAILY REPORT

Date: 8 / 21 / 98 Loads: 180 - 195

Area(s) Worked: 15+000 - 18+000

Weather Conditions: Overcast/no rain - lightning/heavy rain, Wind 10-25 Knts, Seas 1-6 ft.

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

Condition of all screening apparatus: Good

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

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

Dredged material consisted of silt and clay both aerobic and anerobic layers. Screened material was very light in quantity and consisted mostly of man-made debris. Man-made debris consisted of metal (aluminum cans, wire, 6" nut, and metal sheeting); plastic/rubber (rubber belt, rubber glove, shoe, plastic jugs, nylon rope, fishing line, plastic bags, and plastic sheeting). Also included were several shrimp nets and clothing. Biotic samples were very limited and consisted of sticks, sea grass, oysters and whelk egg casings.

\* Sampling time was very limited as rough weather due to Tropical Storm Charlie caused us to stop dredging and head to the dock at 1330 hours.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tursiops truncatus</u>	6	37	4 juvenile animals seen, one adult missing dorsal fin, one adult with mottled grey and pinkish color, All of these seen in a group of 29 animals which surrounded boat for 30 minutes.
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge MERMENTAU - Sabine Pass, TX

USACE, Galveston - 1998

Dredge Mermentau

DAILY REPORT

Date: 8/22/98 Loads: No Loads

Area(s) Worked: None

Weather Conditions: Overcast / no rain - Overcast / heavy rain, Wind variable but strong

Range of H<sub>2</sub>O Temperature: Surface NA Below Mid-Depth NA

Condition of all screening apparatus: Good

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

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

Due to Tropical Storm Charlie, and repairs needed on the boat, the entire day was spent at the docks.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			None

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

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge MERMENTAU - Sabine Pass, TX

USACE, Galveston - 1998

DAILY REPORT

Date: 8 / 23 / 98 Loads: 196-219

Area(s) Worked: Stations 15+000 - 18+000

Weather Conditions: partly cloudy - overcast, no rain, 3-20 kt. wind, calm-3ft seas

Range of H<sub>2</sub>O Temperature: Surface 29°-30° C Below Mid-Depth 28°-30° C

Condition of all screening apparatus: Good

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

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

Dredged material consisted mostly of silt with some clay both aerobic and anerobic layers. Screened material consisted mostly of man-made debris with a significant increase in seaweed due to the tropical storm.

Biotic samples consisted of, bird bones, seaweed, oysters, sticks, fish bones and scales, moon snails, coral, marine sponges and whelk egg casings. Man-made debris consisted of shrimp nets, clothing, plastic/rubber (bags, bottles, jugs, rope, fishing line, tape, ribbons, PVC pipe, rubber mats and gaskets), metal (aluminum cans, tin cans, rods, antennae, oil cans and scrap).

Sampling time was limited as the first load did not start until 0758. The delay was due to time spent at the dock for repairs.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tursiops truncatus</u>	<u>2</u>	<u>3</u>	<u>Subdued movements around dredge.</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge MERMENTAU - Sabine Pass, TX

USACE, Galveston District

WEEKLY SUMMARY

Dates: 8, 17, 98 - 8, 23, 98

Loads: 60-219

Range of H<sub>2</sub>O Temperature: Surface 29°-32°C Below Mid-Depth 28°-31°C

Area(s) Worked: Stations 10+000 - 18+000

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

Comments: Dredging of Sabine Pass-Neches channel was biologically uneventful during this period of time. Only minor amounts of biological material was collected and included bird bones, oysters, sea weed, fish bones, moon snails, coral polyps on plastic material, marine sponges, whelk egg casings, sea grass, clams, small conch shell, blue crab, sea pens, and some cat fish. Abiotic samples included many plastic bags, bottles, rope, fishing line, mesh bags, rubber gaskets, PVC pipe, shrimp nets, clothing, aluminum cans, tin cans, metal rods, oil cans, metal scraps, shoes, paint cans, shackles, hydraulic lines, wire mesh, steel cable and a styrofoam buoy.

There were no incidents involving endangered species.

All screening apparatus functional and complete.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tursiops truncatus</u>	16	62	One large pod of 29 animals was seen for extended periods of time containing 4 juveniles, one adult missing dorsal fin, and one adult with unusual light grey and pink mottled coloration.
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observers On Duty: Doug Murlless / Charlotte Cates

**ENDANGERED SPECIES OBSERVER PROGRAM**  
 Dredge *MERMENTAU* - Sabine Pass, TX  
 USACE, Galveston - 1998

**DAILY REPORT**

Date: 8/25/98 Loads: 254-288  
 Area(s) Worked: Stations 15+000-18+000  
 Weather Conditions: Clear to partly cloudy, variable winds 10-15kts, Seas calm to 2'  
 Range of H<sub>2</sub>O Temperature: Surface 28.5-33°C Below Mid-Depth 28-32°C  
 Condition of all screening apparatus: Good

Are there incidents involving endangered or protected species? Yes  No

Comments (type of material being dredged, biological specimens, etc.):  
Dredging continues in Stations 15+000-18+000. Dredge material is silt with some clay. Biological samples light and consist of: oysters, shells, snails, old dolphin and bird bones, catfish skull, and sea urchins.  
Trash items moderate and consist of, line, net, rope, wire, cloth, plastic jugs, plastic bags, mesh bags, aluminum cans, rubber belts, metal scrap, rags, wood, rubber mat and duct tape. All equipment and screening intact and fully functional.

There were no incidents involving endangered species.

**Bridge Watch Summary**

Species	# of Sightings	# of Animals	Comments
<u>Tursiops truncatus</u>	<u>7</u>	<u>42</u>	
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge MERMENTAU - Sabine Pass, TX

USACE, Galveston - 1998

DAILY REPORT

Date: 8/26/98 Loads: 289-323

Area(s) Worked: Stations 15+000-18+000

Weather Conditions: Clear to partly cloudy, variable wind 0-8 kts, calm seas

Range of H2O Temperature: Surface 30°-33°C Below Mid-Depth 30°-31°C

Condition of all screening apparatus: Good

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

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

Dredge material is silt with some clay. Biological samples light and include, oysters, old bird skull, shells, moon snail, conch shell. Abiotic samples include, line, net, rope, cloth, wire, plastic bags and jugs, cement chunks, rain gear, hard hat, milk crate, brick, tire, wood, metal scrap, mesh bags, aluminum cans, cable and other assorted trash. All equipment and screening intact and fully functional.

There were no incidents involving endangered species.

Bridge Watch Summary

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

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

**ENDANGERED SPECIES OBSERVER PROGRAM**

Dredge *MERMENTAU* - Sabine Pass, TX

USACE, Galveston - 1998

**DAILY REPORT**

Date: 8 / 27 / 98 Loads: 324-346

Area(s) Worked: Stations 15+000-18+000

Weather Conditions: Clear sky, S'ly wind 5-10 kts, Calm seas

Range of H<sub>2</sub>O Temperature: Surface 30-31.5°C Below Mid-Depth 30-31.5°C

Condition of all screening apparatus: Good

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

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

Dredge material is silt with some clay. Biological samples light and include; oysters, snails, shells, sea grass. Abiotic samples include; line, net, rope, cloth, PVC pipe, plastic bags and plastic jugs, five gallon water jug, metal scrap mesh bag, wood, crab trap, aluminum cans, rock and one broom. All screening intact and fully functional.

There were no incidents involving endangered species.

Dredging ceased at 1726 hours due to mechanical problems and dredge went to anchor.

**Bridge Watch Summary**

Species	# of Sightings	# of Animals	Comments
<u>Tursiops truncatus</u>	<u>4</u>	<u>11</u>	

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

**ENDANGERED SPECIES OBSERVER PROGRAM**

Dredge *MERMENTAU* - Sabine Pass, TX

USACE, Galveston - 1998

**DAILY REPORT**

Date: 8/28/98 Loads: 347-359

Area(s) Worked: Stations 5+000-10+000, 15+000-18+000

Weather Conditions: Clear sky, Nly wind 5-10kts, seas 1'

Range of H<sub>2</sub>O Temperature: Surface 30.5-31°C Below Mid-Depth 30.5°C

Condition of all screening apparatus: Good

Are there incidents involving endangered or protected species? Yes  No

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

Dredge material is silt with some clay. Biological samples light and include; sea grass and one catfish. Abiotic samples include; line, net, rope, plastic sheets and jugs, aluminum cans, wire, cloth, metal scrap and PVC pipe. Loads 347 to 350 were dredged in stations 5+000-10+000, loads 351 to 359 were dredged in stations 15+000-18+000. Dredging continues during day light hours only due to mechanical problems. All screening intact and fully functional.

There were no incidents involving endangered species.

**Bridge Watch Summary**

Species	# of Sightings	# of Animals	Comments
<u>Tursiops truncatus</u>	<u>7</u>	<u>35</u>	

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

**ENDANGERED SPECIES OBSERVER PROGRAM**

Dredge *MERMENTAU* - Sabine Pass, TX

USACE, Galveston - 1998

**DAILY REPORT**

Date: 8/29/98 Loads: 360-370

Area(s) Worked: Stations 5+000-10+000 15+000-18+000

Weather Conditions: Clear sky, variable wind 0-6kts, Calm sea

Range of H<sub>2</sub>O Temperature: Surface 30°C Below Mid-Depth 30°C

Condition of all screening apparatus: Good

Are there incidents involving endangered or protected species? Yes  No

Comments (type of material being dredged, biological specimens, etc.): Dredge material is silt with some clay. Biological samples light and include oysters and seagrass. Abiotic samples include, line, net, rope, wood, plastic jugs and bags, cloth, aluminum cans, mesh bags, fiberglass, rubber rose and carpet pieces. Loads 360-361 were dredged in Stations 5+000-10+000, loads 362-370 were dredged in Stations 15+000-18+000. Dredging continues only during daylight hours. All equipment intact & fully functional.

There were no incidents involving endangered species.

**Bridge Watch Summary**

Species	# of Sightings	# of Animals	Comments
<u>Tursiops truncatus</u>	<u>4</u>	<u>6</u>	

Observer(s) On Duty: Charlotte Cates Doug Murlless

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge MERMENTAU - Sabine Pass, TX

USACE, Galveston - 1998

DAILY REPORT

Date: 8/30/98 Loads: 371-386

Area(s) Worked: Stations 5+000-10+000, 15+000-18+000

Weather Conditions: Clear to Partly Cloudy, Sily wind 4-10 Kts, Seas 0-2'

Range of H<sub>2</sub>O Temperature: Surface 30°C Below Mid-Depth 30°C

Condition of all screening apparatus: Good

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

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

Dredge material is silt with some clay. Biological samples light and include; snails, oysters, sea grass, fish, bird skull. Abiotic samples include; line, net, rope, cloth, plastic bags and jugs, plexiglass, crab trap, wood and mesh bags. Loads 371-376 were dredged in Stations 5+000-10+000, loads 377-386 were dredged in Stations 15+000-18+000. All screening intact and fully functional.

Observer Doug Murlless departed at 1630 hours.

Dredging continues during daylight hours only.

There were no incidents involving endangered species.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tursiops truncatus</u>	<u>9</u>	<u>46</u>	

Observer(s) On Duty: Charlotte Cates

**ENDANGERED SPECIES OBSERVER PROGRAM**

Dredge *MERMENTAU* - Sabine Pass, TX

USACE, Galveston District

**WEEKLY SUMMARY**

Dates: 8/24/98 - 8/30/98 Loads: 220-386

Range of H<sub>2</sub>O Temperature: Surface 28-34°C Below Mid-Depth 28-32°C

Area(s) Worked: Stations 5+000-10+000, 15+000-18+000

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

Comments: Dredge material continues to be silt with some clay.  
Biological samples light and include; oysters, bird bones, snails  
old dolphin bones, one catfish, sea weed, conch shells  
Abiotic samples include; line, net, rope, cloth, wire, crab traps, plastic bags  
and jugs, plexi glass, mesh bags, rubber hose, aluminum cans, PVC  
pipe, metal scrap, rain gear, hard hat and other assorted trash.

On August 27 dredging ceased at 1726 hours due to mechanical  
problems and resumed the following day and the rest of the  
week during day light hours only.

Observer Doug Mortless departed dredge August 30 at 0630 hours.

There were no incidents involving endangered species.

**Bridge Watch Summary**

Species	# of Sightings	# of Animals	Comments
<u><i>Tursiops truncatus</i></u>	<u>33</u>	<u>153</u>	<u>Bottlenose dolphins</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observers On Duty: Charlette Catts, Doug Mortless

**ENDANGERED SPECIES OBSERVER PROGRAM**

Dredge *MERMENTAU* - Sabine Pass, TX

USACE, Galveston - 1998

**DAILY REPORT**

Date: 8/31/98 Loads: 387-400

Area(s) Worked: Stations 5+000-10+000, 15+000-18+000

Weather Conditions: Partly Cloudy, NEly wind 15-20kts, seas 1-2'

Range of H<sub>2</sub>O Temperature: Surface 30°C Below Mid-Depth 30°C

Condition of all screening apparatus: Good

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

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

Dredge material is silt with some clay. Biological samples include oysters and seagrass. Abiotic samples include, line, net, rope, crab traps, cloth, plastic jugs and cartons, mesh bags, aluminum cans, wood and wire. Loads 387-396 were dredged in Stations 5+000-10+000, loads 397-400 were dredged in stations 15+000-18+000. All screening intact and fully functional.

Dredging continues during daylight hours only.

There were no incidents involving endangered species.

**Bridge Watch Summary**

Species	# of Sightings	# of Animals	Comments
<i>Tursiops truncatus</i>	<u>2</u>	<u>23</u>	

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



ENDANGERED SPECIES OBSERVER PROGRAM  
Dredge MERMENTAU - Sabine Pass, TX  
USACE, Galveston - 1998

DAILY REPORT

Date: 9 / 3 / 98 Loads: 0

Area(s) Worked: \_\_\_\_\_

Weather Conditions: \_\_\_\_\_

Range of H<sub>2</sub>O Temperature: Surface \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_

Condition of all screening apparatus: \_\_\_\_\_

Are there incidents involving endangered or protected species? Yes \_\_\_\_\_ No \_\_\_\_\_

Comments (type of material being dredged, biological specimens, etc.):  
Dredge did not work today. Observer Charlotte Cates  
departed at 0630 hours, prior to dredge leaving work site.

Bridge Watch Summary

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

Observer(s) On Duty: Charlotte Cates

**ENDANGERED SPECIES OBSERVER PROGRAM**

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

**DAILY REPORT**

Date: 9 12 198 Loads: 0

Area(s) Worked: \_\_\_\_\_

Weather Conditions: \_\_\_\_\_

Range of H<sub>2</sub>O Temperature: Surface \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_

Condition of all screening apparatus: \_\_\_\_\_

Are there incidents involving endangered or protected species? Yes \_\_\_\_\_ No \_\_\_\_\_

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

Due to weather dredge did not work.

**Bridge Watch Summary**

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

Observer(s) On Duty: Charlotte Cats

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge MERMENAU - Sabine Pass, TX

USACE, Galveston District

WEEKLY SUMMARY

Dates: 8/31/98 - 9/3/98 Loads: 387400

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

Area(s) Worked: Stations 5+000-10+000, 15+000-18+000

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

Comments: Dredge material is silt with some clay. Biological samples light; cysts and sea grass. Abiotic samples include, line, net, rope, cysts, crab traps, cloth, plastic jugs and bags, mesh bags, aluminum cans, wood and wire.

The dredge did not work 9/1 - 9/3 due to weather.

Observer Charlotte Cates departed at 0630 hours on 9/3 prior to the dredge leaving the work site.

Bridge Watch Summary

Table with 4 columns: Species, # of Sightings, # of Animals, Comments. Row 1: Turrops truncatus, 2, 23, Bottle nose dolphins.

Observers On Duty: Charlotte Cates