

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge SUGAR ISLAND - Freeport Harbor
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 1 15 197 Loads: Begin Load #1

Area(s) Worked: 28°54.5N 95°16.1W Stations -3000 to +2000

Weather Conditions: Skies clear, seas 2-4', winds N 20-30kt

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

Condition of all screening apparatus: OK

STBD Aft Slow to open and slipping,
Port Fore slipping

Are there incidents involving endangered or protected species? Yes No

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

Observers Cheryl Ryder and Leslie Sprague were on call in Freeport, TX throughout the day awaiting the arrival of the Sugar Island and reported to the dredge at 2000. Load #1 was started at 2304 and completed 1/6/97. All screening was in working order. Observers established an 8-hour watch rotation for 24-hour monitoring. Tide Gauge was not yet operational. There were no sightings or incidents involving endangered species.

The material dredged was fine mud with some clay and a lot of grass requiring extensive cleaning of all boxes.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>0</u>	<u></u>	<u></u>	<u>None Observed</u>
<u></u>	<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>	<u></u>

Observer(s) On Duty: Cheryl Ryder / Leslie Sprague

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge SUGAR ISLAND - Freeport Harbor
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 1 16 197 Loads: 1-15

Area(s) Worked: Stations -3000 to +2000

Weather Conditions: Skies overcast, rain, seas 2-4' inside, 6' outside, wind N 25-30 kt

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

Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No

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

This was the first full working day. Material dredged was fine mud with grass, trash, rope and fishing line completely filling the screens, requiring hand cleaning mid-load and at the completion of each load. Additional materials in the drag heads included wood and netting. There were no marine samples present in any of the loads. Bottle nosed dolphins were observed frequently in the work area.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tursiops truncatus</u>	<u>6</u>	<u>31</u>	<u>Bottlenose dolphins in channel and off jetties</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: Cheryl Ryder, Leslie Sprague

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge SUGAR ISLAND - Freeport Harbor
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 1 17 197 Loads: 16-25

Area(s) Worked: Stations -3000 to +2000

Weather Conditions: Skies overcast/raining, seas 6-7', wind NE 20-30kt

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

Condition of all screening apparatus: OK

STBD Aft and Port Fore still slipping-hard to clean

Are there incidents involving endangered or protected species? Yes No

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

Material dredged was mud with some clay and sand. Screens were cleared of grass, trash and monofilament line/rope during and at the completion of each load. There were no marine samples present in any load. Bottlenose dolphins (*Tursiops truncatus*) were observed in the channel but there were no sightings or incidents involving endangered species.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TE</u>	<u>1</u>	<u>3</u>	<u>Bottlenose dolphins in channel</u>
<u><i>Tursiops truncatus</i></u>			

Observer(s) On Duty: Cheryl Ryder, Leslie Sprague

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge SUGAR ISLAND - Freeport Harbor
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 1 18 197 Loads: 26-37

Area(s) Worked: Stations -3000 to +2000

Weather Conditions: Skies overcast/foggy with rain, seas 3-5', winds N 10-35 kt

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

Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No

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

Material dredged was mud with some clay. Screens were cleaned of grass, trash, monofilament line, wood and netting at the completion of each cut and at the end of each load. The only marine sample recorded was a small, unidentified fish. Bottlenose dolphins (*Tursiops truncatus*) were present continuously throughout the day in the channel and around the jetties.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<i>Tursiops truncatus</i>			<u>Multiple sightings of various groupings present in channel throughout daylight hours</u>

Observer(s) On Duty: Cheryl Ryder, Leslie Sprague

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge SUGAR ISLAND - Freeport Harbor
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 1 19 1997 Loads: 38-52

Area(s) Worked: Stations -3000 to +2000

Weather Conditions: Skies clear, seas 1-5', wind W 10-30 kts

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

Condition of all screening apparatus: OK STBD Aft and Port Fore slipping

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

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

Material dredged was mud with some clay. Screens were cleaned of grass, trash, netting, roots, rope and monofilament line at the completion of each load. Marine samples from screens included tunicates and eels. Bottlenose dolphins (*Tursiops truncatus*) were spotted in the channel and around the jetties throughout the day.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u><i>T. truncatus</i></u>	<u>5</u>	<u>32</u>	<u>Bottlenose dolphins in channel, around jetties</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: Cheryl Ryder, Leslie Spingue

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge *SUGAR ISLAND* - Freeport Harbor
 NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 1 10 197 Loads: 53-63
 Area(s) Worked: Stations -3000 to +2000
 Weather Conditions: skies clear, wind 5-25 kt W, seas calm-5'
 Range of H₂O Temperature: Surface NA Below Mid-Depth _____
 Condition of all screening apparatus: OK Port Fore still slipping

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

Comments (type of material being dredged, biological specimens, etc.):
Material dredged was mud with some clay and sand. Screens were cleaned of grass, trash, line, rope and netting at the completion of each cut and load. The only marine sample recorded was a catfish. *Tursiops truncatus* were spotted throughout the day in the work area.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u><i>T. truncatus</i></u>	<u>4</u>	<u>21</u>	<u>outside jetties</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: Cheryl Ryder, Leslie Sprague

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge SUGAR ISLAND - Freeport Harbor
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 1 / 11 / 97 Loads: 64 - 74

Area(s) Worked: stations -3000 to +2000

Weather Conditions: clear-mostly cloudy, winds NE 20-35kt, seas 3-7'

Range of H₂O Temperature: Surface N/A Below Mid-Depth N/A

Condition of all screening apparatus: OK

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

Comments (type of material being dredged, biological specimens, etc.):
Material dredged was mud. Screens were cleaned of grass, line, rope + trash after each load or more frequently, if needed. No marine organisms were found in any loads today. Tursiops truncatus (bottlenose dolphins) present in channel throughout the day. No endangered species were sighted or taken today.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T. truncatus</u>	<u>7</u>	<u>30</u>	<u>at end of jetties</u>

Observer(s) On Duty: Leslie Sprague, Cheryl Ryder

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge SUGAR ISLAND - Freeport Harbor
NATCO / USACE, Galveston District - 1997

WEEKLY SUMMARY

Dates: 1 / 5 / 197 - 1 / 11 / 197 Loads: 1-74

Range of H₂O Temperature: Surface *42°F Below Mid-Depth NA

Area(s) Worked: 28°54.5'N 95°16.1'W Stations -3000 to *2000

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

Comments: Observers Cheryl Ryder and Leslie Sprague arrived in Freeport, TX 1/5/97 to meet the incoming Sugar Island at 2000. Sampling started with load #1 that night. All screening was in good working condition at the commencement of the project. The material dredged has been fine mud with some clay and sand. All of the screening and the dredgeheads have been full of grass, roots, rope, monofilament, netting, plastic and trash, requiring frequent cleaning during and at the completion of the loads. Any time the dredge shuts down for traffic, repairs or fuels the boxes are accessed and completely cleaned of all debris along the sides utilizing a hacksaw. The only marine samples recorded included a catfish, several eels and one small, unidentified fish. Bottlenose dolphins have been seen daily and frequently in the channel and in the vicinity of the jetties. There have been no sightings or incidents involving endangered species. The Sugar Island has worked continuously through this work week with minor delays for traffic and repairs.

* 42°F indicates one reading taken with a thermometer on the dredge of questionable accuracy.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tursiops truncatus</u>	<u>23</u>	<u>117</u>	<u>Bottlenose dolphins in the channel and around the jetties</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observers On Duty: Cheryl Ryder, Leslie Sprague

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge SUGAR ISLAND - Freeport Harbor
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 1 12 197 Loads: 75-85

Area(s) Worked: Stations -3000 to +2000

Weather Conditions: overcast, scattered showers, seas 5-12', winds NE 20-35kt

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

Condition of all screening apparatus: good

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.):
Material dredged was mud. Screens were cleaned of grass, monofilament line, rope, netting and trash during and at completion of loads. No marine samples were recorded. Bottlenose dolphins (*Tursiops truncatus*) were frequently observed around the dredge.

Due to extreme weather conditions the boxes were left open for loads #84 and #85. The boxes require cleaning while dredging and in transit and it was determined that it was too dangerous for observers to be on top of the boxes over the hopper during extreme storm conditions at night. This was an emergency precautionary measure.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u><i>Tursiops truncatus</i></u>	<u>2</u>	<u>large pod ~15</u>	<u>Outside jetties</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: Cheryl Ryder, Leslie Sprague

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge SUGAR ISLAND - Freeport Harbor

NATCO / USACE, Galveston District - 1997

DAILY REPORT

STORM CONDITIONS

Date: 1 / 13 / 97 Loads: 86-92

Area(s) Worked: Stations -3000 to +2000 N 28° 56' W 95° 19'

Weather Conditions: Skies overcast w/rain, seas 6' in channel to 15' outside, winds NE 20-35 kt

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

Condition of all screening apparatus: Good

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

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

Material dredged was mud. Screens were cleaned of grass, rope, monofilament line and trash during and at the completion of sampled loads. Because the boxes are impacted each load and require extensive hand cleaning from on top of the boxes it was determined, after consultation with Coastwise Consulting to leave the boxes open during nighttime hours as an emergency measure while storm conditions persisted. This was deemed necessary in the interest of observer safety. The doors to the boxes were left open for loads #86 and #87 and closed again at daylight for load #88 and remained closed thereafter as storm conditions subsided. Boxes again open for loads 90 and 91 as storm conditions returned. It is not anticipated that these measures will be necessary again.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<i>Tursiops truncatus</i>	3	12	Bottlenose dolphins in channel
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: Cheryl Ryden, Leslie Sprague

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge SUGAR ISLAND - Freeport Harbor
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 1 / 14 / 97 Loads: 93-102
Area(s) Worked: Stations -3000 to +2000
Weather Conditions: Overcast - foggy, seas 3-6', wind 15-20kt NE
Range of H₂O Temperature: Surface N/A Below Mid-Depth N/A Air temp 30-33°
Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No

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

Material dredged was mud. Screens cleaned of line, grass, rope, & trash. No marine organisms were taken today.

Bottlenose dolphins (*Tursiops truncatus*) spotted throughout the day in the channel.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T. truncatus</u>	<u>6</u>	<u>32</u>	<u>in channel</u>

Observer(s) On Duty: Leslie Sprague, Cheryl Ryder

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge SUGAR ISLAND - Freeport Harbor
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 1 15 197 Loads: 103-113

Area(s) Worked: Stations -3000 to +2000

Weather Conditions: Skies foggy → clear; seas 3-5' to calm; wind N 15-25 kt → calm

Range of H₂O Temperature: Surface NA Below Mid-Depth 43-44°F

Condition of all screening apparatus: good

Are there incidents involving endangered or protected species? Yes No

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

Material dredged was mud. Screens were cleaned of grass, rope, trash, mussel filament line and nothing during and at the completion of each lead. Marine samples included eels, one blue crab and jelly fish. Bottlenose dolphins (*Tursiops truncatus*) were frequently observed.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u><i>Tursiops truncatus</i></u>	<u>5</u>	<u>17</u>	<u>Bottlenose dolphins in and outside channel</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: Cheryl Ryder, Leslie Sprague

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge SUGAR ISLAND - Freeport Harbor
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 1/16/97 Loads: 114-124
Area(s) Worked: Stations -3000 to +2000 28°55'95" 95°17'62"
Weather Conditions: Skies clear, seas calm to 1-3', wind calm to N/E 5-20 kt
Range of H₂O Temperature: Surface N/A Below Mid-Depth 44.3-46.3°F
Condition of all screening apparatus: Good

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.):
Material dredged was mud with some clay. Screens were cleaned of grass, rope, monofilament line, netting, plastic, wood and trash at the completion of each load. Marine samples included jellyfish and one catfish. Bottlenose dolphins (*Tursiops truncatus*) were frequently observed in the work area.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<i>Tursiops truncatus</i>	<u>7</u>	<u>54</u>	<u>Bottlenose dolphins in channel, around jetties and in transit to dump</u>
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: Cheryl Byaker, Leslie Sprague

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge SUGAR ISLAND - Freeport Harbor
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 1 / 17 / 96 Loads: 125-135

Area(s) Worked: Stations -3000 to +2000

Weather Conditions: Skies clear to overcast, seas 1-3', winds N 5-15 kt

Range of H₂O Temperature: Surface NA Below Mid-Depth 43-48°F

Condition of all screening apparatus: Good

Are there incidents involving endangered or protected species? Yes No

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

Material dredged was mud with considerable clay. Screens were cleaned of clay, grass, rope, monofilament line, netting, trash and plastic debris. The only marine samples were jelly fish. Bottlenose dolphins (*Tursiops truncatus*) were observed frequently in the work area.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u><i>Tursiops truncatus</i></u>	<u>5</u>	<u>18</u>	<u>Bottlenose dolphins in channel, around jetties and in transit</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: Cheryl Ryden, Leslie Sprague

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge SUGAR ISLAND - Freeport Harbor

NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 11 18 97 Loads: 136 to 146

Area(s) Worked: N28°55' W95°16'

Weather Conditions: overcast to partly cloudy, seas 1-4', wind 5-20 kts

Range of H₂O Temperature: Surface N/A Below Mid-Depth 46-48°F

Condition of all screening apparatus: good

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

Comments (type of material being dredged, biological specimens, etc.):
Material dredged was mud with large amounts of clay.
Screens cleaned of grass, clay, rope, monofilament line, trash + netting throughout some loads + at the end of every load.
Marine samples taken today include jellyfish + eels.
Bottlenose dolphins were present throughout the day in the channel + around the jetties.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	5	22	in channel / around jetties

Observer(s) On Duty: Leslie Spague / Cheryl Ryder

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge SUGAR ISLAND - Freeport Harbor
NATCO / USACE, Galveston District - 1997

WEEKLY SUMMARY

Dates: 1/12/197 - 1/18/197

Loads: 75-146

Range of H₂O Temperature: Surface NA

Below Mid-Depth 43-48°F

Area(s) Worked: Stations -3000 to +2000 29°52.3N 85°50.7W

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

Comments:

Material dredged was mud with considerable clay and occasional sand. All of the screening ~~and~~ dragheads have continued to be impacted with grass, roots, clay, wood, netting, rope, monofilament line, plastic debris and trash, requiring cleaning during and at the completion of each load. The only marine samples recorded were: eels, catfish, jellyfish and blue crab. Bottlenose dolphins (*Tursiops truncatus*) were frequently observed in the work area.

Sugar Island worked consistently this working week with minor down time for ship traffic and fueling on 1/13/97 at the completion of load #89. Sides of all boxes were thoroughly cleaned at these opportunities.

Due to extreme winter storm weather conditions on 1/12 and 1/13, screening was left open during nighttime hours when it was determined that it would be too dangerous to be on top of the boxes to clean them of grass and debris while dredging and in transit. This was an emergency, precautionary measure.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<i>Tursiops truncatus</i>	33	178	Bottlenose dolphins observed in channel, around jetties and in transit

Observers On Duty: Cheryl Ryder, Leslie Sprague

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge SUGAR ISLAND - Freeport Harbor

NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 1 / 19 / 97 Loads: 147 to 157

Area(s) Worked: N 28° 55' W 95° 10' Sta - 3000 to +2000

Weather Conditions: Seas calm, wind 5-15 knots, skies overcast/hazy - partly cloudy

Range of H₂O Temperature: Surface N/A Below Mid-Depth 46-48°F

Condition of all screening apparatus: GOOD

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

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

Material dredged was mud & clay. Screens + dragheads were cleaned during & after loads of clay, trash, line, rope, grass, cloth + metal.

Biological material collected today included jelly fish, catfish & eels.

No endangered species were sighted or taken today. Many bottlenose dolphins (Tursiops truncatus) were sighted in the channel & around the jetties today.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	numerous	animals	throughout the day
			- in channel (around jetties)

Observer(s) On Duty: Leslie Sprague, Cheryl Ryder

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge SUGAR ISLAND - Freeport Harbor

NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 1 / 20 / 97

Loads: 158-168

Area(s) Worked: Stations - 3000 to 7200

Weather Conditions: Skies hazy/foggy to overcast, light rain, seas calm to 3', wind calm to

Range of H₂O Temperature: Surface NA Below Mid-Depth 48.5-49.4 F 56-57 F 5-10 KC

Condition of all screening apparatus: Good

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

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

Material dredged was mixed with less clay and some sand. Treasures were cleaned of grass, rope, monofilament line, wood, netting, plastic debris, roots and trash at the completion of each load. Marine samples included: eels, jelly fish and squid. Bottlenose dolphins (Tursiops truncatus) were frequently observed in the work area.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<i>Tursiops truncatus</i>	3	14	Bottlenose dolphins observed in channel and around jetties

Observer(s) On Duty: Cheryl Ryden Leslie

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge SUGAR ISLAND - Freeport Harbor
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 1/21/97 Loads: 169-179
Area(s) Worked: Stations -3000 to +2000 28°55.7N 95°17.3W
Weather Conditions: skies partly cloudy to overcast, rain, seas 2-3' to 4-6' swell, wind SE
Range of H₂O Temperature: Surface NA Below Mid-Depth 79-51.6°F 5-15 kt
Condition of all screening apparatus: Good

Are there incidents involving endangered or protected species? Yes No

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

Material dredged was mud with minimal clay and sand and
fewer debris. Screens were cleaned of grass, roots, wood, netting,
rope, monofilament line, wire, plastic debris and trash at the
completion of each load. Marine samples included: eels and catfish.
Bottlenose dolphins (*Tursiops truncatus*) were observed in the work area.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
	<u>3</u>	<u>10</u>	<u>Bottlenose dolphins in channel off</u> <u>jetties and in transit</u>

Observer(s) On Duty: Cheryl Ryder, Leslie Sprague

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge SUGAR ISLAND - Freeport Harbor

NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 1/22/97 Loads: 180 to 190

Area(s) Worked: stations -3000 to +2000 N28°55' W 95°16'

Weather Conditions: partly cloudy to dense fog, seas calm -4', wind 5-15 kts

Range of H₂O Temperature: Surface N/A Below Mid-Depth 51-53 °F

Condition of all screening apparatus: GOOD

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

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

Material dredged was mud with some clay. Screens were cleaned of grass, rope, wood, monofilament line, trash, clay & plastic during an 1/2 hr at the end of each load.

Marine biological samples included catfish and an eel. Bottlenose dolphins (Tursiops truncatus) were spotted in the afternoon when the fog cleared somewhat.

Dense fog from about 0000 to 1500 and from 1900 to 2400 limited visibility to about 200 yds at most.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	4	18	in/around jetties

Observer(s) On Duty: Cheryl Ryder, Leslie Sprague

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge SUGAR ISLAND - Freeport Harbor

NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 1 123 197

Loads: 191-201

Area(s) Worked: Stations -3000 to +2000 28°55'N 95°17'W

Weather Conditions: Fog all day, seas calm to 2-3', winds calm to ESE 3-10kt

Range of H₂O Temperature: Surface NA Below Mid-Depth 52.7-54.6°F

Condition of all screening apparatus: Good

Are there incidents involving endangered or protected species? Yes No

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

Material dredged was mud with a small portion of clay and fewer debris. The forward screens were cleared of rope, monofilament fishing line, netting, grass, cloth and plastic debris and trash at the completion of each load. The only marine samples were eels. Bottlenose dolphins (*Tursiops truncatus*) were observed in the work area.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u><i>Tursiops truncatus</i></u>	<u>2</u>	<u>9</u>	<u>Bottlenose dolphins inside/outside jetties</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: Cheryl Ryder, Leslie Sprague

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge SUGAR ISLAND - Freeport Harbor

NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 1 124 197 Loads: 202-211

Area(s) Worked: Stations - 3000 to +2000 28°55'N 95°16'W

Weather Conditions: Skies foggy to clear, seas calm-2', winds light SE 3-10kt

Range of H₂O Temperature: Surface NA Below Mid-Depth 53-56°F

Condition of all screening apparatus: Good

Are there incidents involving endangered or protected species? Yes No

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

Material dredged was mud with some clay and finer debris.
Travels were cleaned of grass, rope, mono filament line, nothing wood,
clay, plastic debris and trash at the completion of each load. The
only marine samples recorded were eels. Bottlenose dolphins were
frequently observed in the work area.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tursiops truncatus</u>	<u>6</u>	<u>32</u>	<u>Bottlenose dolphins observed in channels</u> <u>of jetties and in transit</u>

Observer(s) On Duty: Cheryl Ryder, Leslie Sprague

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge *SUGAR ISLAND* - Freeport Harbor
 NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 1 / 25 / 97 Loads: 212-221
 Area(s) Worked: Stations -3000 to +2000 28°55'N 95°16'W
 Weather Conditions: Skies clear, seas 1-4', wind SE 3-10kt
 Range of H₂O Temperature: Surface NA Below Mid-Depth 54.5-56.4°F
 Condition of all screening apparatus: Good

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.):
Material dredged was mud with considerable clay in the first cut and fewer debris in the screening. Foreward screening was cleaned of grass, wood, rope, monofilament line, clay, plastic debris and trash. Teeth have been placed in dredgers in preparation for Galveston sand and dredgers have had more wood and tires. The only marine samples recorded were eels. Bottlenose dolphins (*Tursiops truncatus*) were frequently observed in the work area.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u><i>Tursiops truncatus</i></u>	<u>3</u>	<u>13</u>	<u>Bottlenose dolphins observed in channel and around jetties</u>

Observer(s) On Duty: Cheryl Byder, Leslie Sprague

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge SUGAR ISLAND - Freeport Harbor
NATCO / USACE, Galveston District - 1997

WEEKLY SUMMARY

Dates: 1/19/97 - 1/25/97

Loads: 147-221

Range of H₂O Temperature: Surface NA

Below Mid-Depth 46-56.9°F

Area(s) Worked: Stations -3000 to +2000 28°55'N 95°15'W

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

Comments:

Material dredged was mud with clay in the first inbound cut and a minimal sand component. Although there were some debris, screens and drag heads were cleared of grass, wood, tires, netting, rope, monofilament line, plastic debris, roots, cloth and metal debris and fresh at the completion of each load. Marine samples recorded included: eels, catfish, jelly fish and squid. Bottlenose dolphins (*Tursiops truncatus*) were frequently observed in the work area.

The Sugar Island dredged consistently this working week with minor delays for ship traffic. Clearing the sides of the foreward boxes was ongoing during delays and transit.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<i>Tursiops truncatus</i>	21	96	Bottlenose dolphins observed daily in and outside channel, around jetties and in transit.

Observers On Duty: Cheryl Ryden, Leslie Sprague

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge SUGAR ISLAND - Freeport Harbor

NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 1/26/97 Loads: 122 to 124

Area(s) Worked: N 28°55' W 95°17'

Weather Conditions: clear, seas 1-4', wind SE 5-10 kt

Range of H₂O Temperature: Surface N/A Below Mid-Depth 55.1 to 56.2°F

Condition of all screening apparatus: GOOD

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

Comments (type of material being dredged, biological specimens, etc.):
Material dredged was mud and clay. Screens were cleaned of clay, trash & wood. After last load, boxes were completely cleaned of gross trash + clay on transit to next project. No biological/marine samples were found today.
No sightings or incidents of protected or endangered species.

Last load of Freeport project was dumped at 0526.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
0			

Observer(s) On Duty: Leslie Sprague, Cheryl Ryder

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge SUGAR ISLAND - Freeport Harbor
NATCO / USACE, Galveston District - 1997

WEEKLY SUMMARY

Dates: 1/26/97 - 1/26/97

Loads: 122 to 124

Range of H₂O Temperature: Surface N/A

Below Mid-Depth 55.1 - 56.2°F

Area(s) Worked: N 28°55' W 95°10'

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

Comments:

Material dredged was mud and clay.
~~No marine samples were found today.~~ Debris in boxes consisted of clay, grass + trash.

No sightings or incidents of protected or endangered species this week.

After last load of project at 0526, boxes and screens were completely cleaned of debris.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
0			

Observers On Duty: Leslie Sprague, Cheryl Ryder

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

Dredge: **Eagle I**

Project: **Freeport, TX**

Date: 12/25/97 Loads: 1-4

Station(s): SECTION 3

Weather: CLEAR, WIND NW, SEAS 2-3'

Range of Water Temperature: Surface 55.8-55.9 °F At-Depth: _____

Condition of screening apparatus: EXCELLENT

Comments: MATERIAL BEING DREDGED CONSISTS OF MUD AND CLAY, NO BIOLOGICAL SPECIMENS WERE FOUND IN SCREENS. DEBRIS CONSISTED OF LINE, ROCKS, CABLE, NETTING, PLASTIC, METAL AND CLOTH.

LOADING BEGAN AT 1933. THE AFTER DISCHARGES ARE FLUSHED WITH SCREENS CLOSED AFTER DUMPING EACH LOAD TO CLEAR MUD AND CLAY SO THAT OBJECTS INSIDE MAY BE IDENTIFIED. THE FORWARD DISCHARGES ARE CLOSED AND THERE IS NO OVERFLOW SCREENING.

Bridge Watch Summary

Species	# of Animals	Time	Location and Comments
<u>NONE</u>	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) on Duty: CHRIS MASON / AMY GAGNON

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

Dredge: **Eagle I**
Project: **Freeport, TX**

Date: 1/26/97 Loads: 5-18
Station(s): SECTIONS 3 + 4
Weather: CLEAR TO DENSE FOG, WINDS NW TO SE 5-10 KTS, SEA 2-4M - 5'
Range of Water Temperature: Surface 55.4 - 58.8°F At-Depth: _____
Condition of screening apparatus: EXCELLENT - HATCH ON STEEL ROLLER
REMOVED AFTER LOAD # 17

Comments: MATERIAL BEING DREDGED CONSISTS OF MUD AND CLAY. FISHES
RECOVERED INCLUDED A FEW LOUCK SHELLS. DEPTHS COLLECTED BY
DREDGE WERE METAL, WOODS, CLAY, CLOTH, WIRE, SHEET PILE
FRAGMENTS, DRILL, SAFETY MEETING AT 1200

Bridge Watch Summary

Species	# of Animals	# OF SIGHTINGS	
		Time	Location and Comments
<u>TERRAPIN TERRESTRIS</u>	<u>18-23</u>	<u>3</u>	<u>IN WORK AREA NEAR STEEL ROLLER</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) on Duty: AMY GAGNON / CHRIS MASON

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

Dredge: Eagle I
Project: Freeport, TX

Date: 1/27/97 Loads: 19-27
Station(s): SECTION 4
Weather: CLOUDY, SEAS 1-5', WIND N TO NW 10-45 KTS
Range of Water Temperature: Surface 57°-58°F At-Depth: _____
Condition of screening apparatus: OK - SEE COMMENTS BELOW *

Comments: MATERIAL BEING DREDGED IS MUD AND CLAY. BIOLOGICAL SPECIMENS COLLECTED IN THE INFLOW SCREENS INCLUDED A STINGRAY, DEBRIS CONSISTING OF COIL LINE, ROPE, SOFT AND HARD PLASTIC, WOOD, NET RUBBER, TIRE, METAL AND ROCK.

TIDE AND TEMPERATURE GAUGES NOT REPORTING - TIDE TAKEN FROM FREEPORT HARBOR CHART, TEMPERATURE WITH THERMOMETER OVER SIDE OF SHIP

BOTH SCREENS OPENED DURING LOAD #19, PORT SCREEN OPENED DURING LOAD #20 DUE TO BLOCKAGE BY CLAY. SCREENS ARE NOW CHECKED AS NEEDED DURING TURNS AND CLEARING DEBRIS

* HATCHES ON BOTH BOXES COMING OPEN DURING LOADS, NEW HATCH COVER WITH 4" HOLE BEING PLACED ON STBD BOX AFTER LOAD #24. PORT HATCH SECURED WITH METAL ROD AFTER LOAD #27.

DRESSING OPERATIONS ON HOLD 0108 TO 0344 FOR FOG

Bridge Watch Summary

Species	# of Animals	# OF SIGHTINGS Time	Location and Comments
<u>TURKISH TROVANTUS</u>	<u>6-10</u>	<u>2</u>	<u>IN CHANNEL AND NEAR S JETTY</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) on Duty: AMY GAGNON / CHRIS MASON

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

Dredge: **Eagle I**
Project: **Freeport, TX**

Date: 1/28/97 Loads: 28 - 39
Station(s): SECTIONS 3 + 4
Weather: OVERCAST W/ SCATTERED SHOWERS AND T-STORMS, SEAS 2-6', WIND N TO NW 10-10 KT
Range of Water Temperature: Surface 54.9 - 55.7 °F At-Depth: ---
Condition of screening apparatus: EXCELLENT - HATCHES ON BOTH DISCHARGES
REMAINING CLOSED DURING LOADS.

Comments: MATERIAL BEING DREDGED IS MUD AND CLAY. NO BIOLOGICAL SPECIMENS WERE
COLLECTED IN THE INFLOW SCREENS. DEBRIS CONSISTED OF HARD AND SOFT PLASTIC, ROPE,
WOOD, NETTING, CLAY, CLOTH, RUG, AND METAL.

PORT SCREEN OPENED DURING LOADS 38 - 39 DUE TO CLAY BUILD-UP AND BLOCKAGE. - THERE
WAS NO OPPORTUNITY GIVEN TO INSPECT THE SCREEN BEFORE OPENING.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Location and Comments
<u>TURSIOPS TRUNCATUS</u>	<u>6</u>	<u>28-34+</u>	<u>SCATTERED NEAR END OF JETTIES</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) on Duty: AMY GAGNON / CHRIS MASON

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

Dredge: **Eagle I**
Project: **Freeport, TX**

Date: 1/27/97 Loads: 41-61
Station(s): SECTIONS 3 AND 4
Weather: CLEAR TO OVERCAST, SEAS 1-2', WIND LIGHT + VARIABLE TO 14 KTS
Range of Water Temperature: Surface 53.7 - 54.6 °F At-Depth: _____
Condition of screening apparatus: EXCELLENT - HYDRAULIC HOSE ON BOTH SCREENS
REPAIRED, LEAK IN PORT ^{HYDRAULIC} HOSE REPAIRED.

Comments: MATERIAL BEING DREDGED IS MUD AND CLAY IN SECTION 4 AND
MIXED WITH SOME CLAY IN SECTION 3. NO BIOLOGICAL SPECIES WERE OBSERVED
IN EITHER SCREENS. DEBRIS CONSISTED OF CLAY, WOOD, HAY, AND SOFT DEBRIS,
PLASTIC, RUBBER, CLOTH, CABLE, FISHING LINE AND TACKLE, AND RUBBER.

STARBOARD SCREEN OPENED ~~ON~~ DURING LOAD 44 WITHOUT INSPECTION. PORT SCREEN
OPENED DURING LOADS 45 AND 56; BOTH SCREENS OPENED DURING LOAD 56, ALSO
WITHOUT INSPECTION. THE REASON FOR OPENING THE SCREENS DURING THE LOAD IS THAT
CLAY HAS BLOCKED THEM CAUSING MUD TO SPRAY ONTO THE DECK.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Location and Comments
<u>TURTLES</u>	<u>6</u>	<u>18-20</u>	<u>NEAR END OF TETLES</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) on Duty: AMY GAGNON / CHRIS MASON

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

Dredge: Eagle I
Project: Freeport, TX

Date: 1/30/97 Loads: 62-86
Station(s): SECTION 3
Weather: CLEAR TO PTLY CLOUDY, SEAS CALM-1', WINDS NW-NNW 5-12 KT
Range of Water Temperature: Surface 52.6-54.0 At-Depth: _____
Condition of screening apparatus: EXCELLENT

Comments: MATERIAL BEING DROGGED IS THICK MUD WITH INCREASING AMOUNT
OF CLAY. NO BIOLOGICAL SPECIMENS WERE COLLECTED IN THE INFLOW SCREENS.
DEBRIS CONSISTED OF METAL, HARD AND SOFT PLASTIC, CUP, PAPER, WOOD,
ROCK, LINE AND CHAIN

PUR LANDER SCREEN WAS OPENED DURING LOADS 67, 68, 69, 72, 74, 76,
77, 80, 82-85 TO CLEAR CLAY BUILD-UP WHICH WAS BLOCKING THE
SCREENS. BOTH SCREENS WERE OPENED DURING LOADS 81 AND 86. SEE
ADDITIONAL COMMENTS FOR MORE DETAILED INFORMATION

Bridge Watch Summary

Species	# of Sightings	# of Animals	Location and Comments
<u>TORSIOPS TRUNCATUS</u>	<u>3</u>	<u>24-34</u>	<u>OUTSIDE OF WORK AREA NEAR</u> <u>AND N OF BOTTLES</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) on Duty: AMY GAGNON / CHRIS MASON

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

Dredge: Eagle I
Project: Freeport, TX

Date: 1/31/97 Loads: 87 - 102

Station(s): SECTIONS 3 & 4

Weather: CLEAR TO OVERCAST, SEAS 1-2', WIND LIGHT AND VARIABLE

Range of Water Temperature: Surface 53.3 - 54.7 °F At-Depth: _____

Condition of screening apparatus: OK - FWD HATCH ON PORT AFTER DISCHARGE OPENING DURING LOADS. SECURED WITH PIN AT DUMP AFTER LOAD # 96 BUT CONTINUES TO COME OPEN. WORKING ON REPAIR.

Comments: MATERIAL BEING DREDGED ~~IS~~ IS MUD AND CLAY WITH INCREASING AMOUNTS OF CLAY IN SECTION 3. NO BIOLOGICAL SPECIMENS WERE COLLECTED IN THE INFLOW SCREENS. DEBRIS CONSISTED OF WOOD, SOFT AND HARD PLASTIC, ROPE, CLOTH, LINE, RUG, NET, CABLE,

BOTH SCREENS WERE OPENED DURING LOADS 87+95, PORT SCREEN OPENED DURING LOADS 88, 91, 100, 101, 102 TO CLEAR CLAY.

BOTH SCREENS WERE OPENED AND RECLOSED DURING LOADS 92 AND 99, PORT SCREEN OPENED AND RECLOSED DURING LOAD 97.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Location and Comments
<u>TORSIOPS TRUNCATUS</u>	<u>3</u>	<u>6-8+</u>	<u>NEAR TURTLES</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) on Duty: AMY GAGNON / CHRIS MASON

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

Dredge: Eagle 1
Project: Freeport, TX

Date: 11/19/97 Loads: 103 - 120
Station(s): SECTIONS 3 AND 4
Weather: FOG, SEAS 1-4', WIND LIGHT AND VARIABLE TO SW TO SE @ 8-15 KTS
Range of Water Temperature: Surface 54.3 - 55.8 °F At-Depth: _____
Condition of screening apparatus: OK - FWD HATCH ON PORT LANDER SECURED AFTER LOAD # 111. AFT HATCH ON PORT LANDER BLOWN OPEN DURING LOAD # 118, PIN REPLACED AT DUMP. BOTH HATCHES ~~WERE~~ CONTINUE TO HOLD.

Comments: MATERIAL BEING DREDGED IS MUD AND CLAY. BIOLOGICAL SPECIMENS INCLUDED 1 LARGE RED DRUM. DEBRIS CONSISTED OF ROCK, ROPE, RUBBER LINES AND RACKLE, CLOTH, HARD AND SOFT PLASTIC, METAL, WOOD, FIBER AND NETS.

PORT SCREEN WAS OPENED, AND REMAINED OPEN DURING LOADS 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 118, 119, 120; STARBOARD SCREEN REMAINED CLOSED DURING LOADS 106⁺¹²⁰ TO CLEAR CLAY BUILD-UP. STARBOARD SCREEN WAS OPENED AND RECUSED DURING LOAD 117 (CUT); OPENED FOR SHORT PERIOD DURING LOAD 119.

% COVERAGE: 59%

Bridge Watch Summary

Species	# of Sightings	# of Animals	Location and Comments
<u>None</u>	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) on Duty: AMY GAGNON / CHRIS MASON

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

Dredge: **Eagle I**
Project: **Freeport, TX**

Date: 1/97 Loads: 121 - 137
Station(s): SECTIONS 3 AND 4
Weather: FD3, SEAS CALM - 3', WIND CALM TO SE 5-15 KT
Range of Water Temperature: Surface 55.6 - 57.2 °F At-Depth: 56.5 - 58 °F
Condition of screening apparatus: OK - HINGES ON AFTER HATCH OF PORT LANDER
POPPED OUT DURING LOAD # 132, REPAIRED AT DUMP

Comments: MATERIAL BEING DREDGED IS MUD AND CLAY. ADDITIONAL SPECIMENS
WERE COLLECTED IN THE IN-FLOW SCREENS. DEBRIS INCLUDED PLASTIC, RUBBER,
PLASTER, ROPE, WOOD, METAL, ROCK, NET, FISHING LINE, CAMEL AND CLOTH.
PORT SCREENS WERE OPENED AND REMAINED OPEN DURING LOADS 127, 133,
134; PORT SCREEN OPENED AND REMAINED OPEN DURING LOADS 122, 123, 124,
125, 126, 128, 130, 136, 137; STARBOARD SCREEN OPENED AND REMAINED
OPEN DURING LOAD 134.

SCREEN CURRENT COVERAGE = 53%

Bridge Watch Summary

Species	# of Sightings	# of Animals	Location and Comments
<u>N/A</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>
<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>
<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>
<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>
<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>
<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>

Observer(s) on Duty: Amy GAGNON / CHRIS MASON

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY REPORT

Dredge: Eagle I
Project: Freeport, TX

Dates: 1/27/97 - 2/2/97 Loads: 19-137
Station(s): SECTIONS 3 AND 4
Range of Water Temperature: Surface 52.6°-58°F At-Depth: 56.5°-58°F

Comments: MATERIAL BEING DREDGED CONTINUES TO BE MUD AND CLAY WITH A LARGER AMOUNT OF CLAY IN SECTION 3 THAN IN SECTION 4. BIOLOGICAL SPECIMENS COLLECTED IN THE INFLOW SCREENS INCLUDE A STINGRAY AND A RED DRUM. DEBRIS CONSISTS OF HARD AND SOFT PLASTIC, FISHING LINE AND TACKLE, METAL, TIRE, NET, RUG, CABLE, ROPE, CLOTH, CHAIN, ROCK, RUBBER AND WOOD.

TIDE AND SURFACE TEMPERATURES TAKEN FROM BEAN'S TIDE GAUGE, AT-DEPTH TEMPS WITH A THERMOMETER OVER SIDE OF SHIP (15-20 FT DEEP).

INFLOW SCREENS STARTED BECOMING BLOCKED ON 1/27/97, LOAD # 19 WHILE DREDGING IN SECTION 4. THE SCREENS WERE OPENED, DURING THE LOADS, TO CLEAR CLAY SO DREDGE PUMPS WOULD NOT BE DAMAGED. CLAY BLOCKAGE CONTINUED AND WORSENERD IN SECTION 3, ALSO CLOGGING THE DRAGHEADS. ALTHOUGH MONITORING EFFORT IS 100% ACTUAL COVERAGE HAS DECLINED THROUGHOUT THE WEEK: 1/27 - 78%; 1/28 - 87.5%; 1/29 - 88%; 1/30 - 68%; 1/31 - 64%; 2/1 - 59%; 2/2 - 53%

CONDITION OF SCREENING APPARATUS HAS BEEN CONSTANTLY MAINTAINED AND REPAIRED THROUGHOUT THE WEEK. HATCH DOORS ON THE LANDERS HAVE BEEN DIFFICULT TO KEEP CLOSED DURING LOADS. THE STARBOARD HATCH WAS FITTED WITH A NEW COVER, 4" x 4" GRATING, ON 1/27. THE PORT HATCHES (FORWARD AND AFT) HAVE BEEN SECURED WITH PINS WHICH ARE CONTINUALLY BLOWN OFF BY THE FORCE OF THE CLAY. THE HATCHES ARE REPAIRED AT THE DUMP FOLLOWING THE LOAD IN WHICH THEY USUALLY / WERE BLOWN OFF.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Location and Comments
<u>TURSIDOPS TRUNCATUS</u>	<u>20</u>	<u>100-129+</u>	<u>MOST SIGHTED NEAR END OF JETTIES</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observers on Duty: AMY GAGNON / CHRIS MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge EAGLE 1 - Freeport Harbor, TX

USACE, Galveston District

DAILY REPORT

Date: 2 13 197 Loads: 138 - 154

Area(s) Worked: SECTIONS 3 AND 4

Weather Conditions: PTLY CLOUDY w/ PARTLY FOG, SEAS 1-3', WIND LIGHT TO SE 5-15 KTS SCATTERED SHOWERS

Range of H2O Temperature: Surface 56.2° - 58.4°F Below Mid-Depth 57.5 - 58.0

Condition of all screening apparatus: EXCELLENT - PORT HATCHES HOLDING

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

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

MATERIAL BEING DREDGED IS MUD AND CLAY. NO BIOLOGICAL SPECIMENS WERE COLLECTED IN THE INFLOW SCREENS. DEBRIS CONSISTED OF WOOD, ROPE, HARD AND SOFT PLASTIC, ROCK, CLOTH, NET, TIRE AND RUBBER.

IN ORDER TO CLEAR CLAY, BOTH SCREENS WERE OPENED DURING LOADS 146, 148, 149 AND 154; PORT SCREEN WAS OPENED DURING LOADS 144, 145, 147; STARBOARD SCREEN OPENED DURING LOAD 153. THE PORT SCREEN WAS OPENED AND RECLOSED DURING LOADS 139, 140, 141, 142, 152, 153; STARBOARD SCREEN OPENED AND RECLOSED DURING LOAD 152. ALSO, TO CLEAR CLAY FROM THE DRAGHEADS, THE DREDGE PUMPS ARE LEFT RUNNING 5-10 SECONDS AFTER THE DRAG ARMS ARE PULLED OFF THE BOTTOM AT THE END OF EACH LOAD. LOAD 150 WAS NOT CHECKED DUE TO ADMINISTRATIVE TIME TAKEN

DAILY COVERAGE: 55.5%

Bridge Watch Summary

Table with 4 columns: Species, # of Sightings, # of Animals, Comments. Row 1: TURSIOPS TRUNCATUS, 1, 8, NEAR W JETTY.

Observer(s) On Duty: Amy GAGNON / CHRIS MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge EAGLE I - Freeport Harbor, TX

USACE, Galveston District

DAILY REPORT

Date: 2 / 4 / 97 Loads: 155 - 164

Area(s) Worked: SECTIONS 3 AND 4

Weather Conditions: DENSE FOG CLEARING IN MID-MORNING, SEAS 1-3', WIND LIGHT TO N 3-15 KT

Range of H₂O Temperature: Surface 56.9 - 59.5 °F Below Mid-Depth 58.0 °F

Condition of all screening apparatus: OK - FORWARD HATCH ON PORT LANDER BLOWN OPEN DURING LOAD # 157. REPAIRED AT NMP AFTER LOAD # 159.

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

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

MATERIAL BEING DREDGED IS MUD AND CLAY. NO BIOLOGICAL SPECIMENS WERE COLLECTED IN THE INFLOW SCREENS. DEBRIS CONSISTED OF WOOD, HARD AND SOFT PLASTIC, ROPE, NET, CABLE, STEEL AND HOSE.

CLAY CONTINUES TO BLOCK THE SCREENS DURING THE LOADS. TO CLEAR THE CLAY, THE PORT SCREEN WAS OPENED DURING LOADS 155, 157, 158, 159, 163; STARBOARD SCREEN OPENED DURING LOADS 160 AND 163; PORT SCREEN OPENED AND RECLOSED DURING LOADS 156 AND 164; STARBOARD SCREEN OPENED AND RECLOSED DURING LOADS 157, 158 AND 164.

EFFECTIVE DAILY COVERAGE: 56%

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>NEPHELE TRUNCATUS</u>	<u>1</u>	<u>5-8</u>	<u>SCATTERED AROUND JETTY ENTRANCE</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: AMY GAGNON / CHRIS MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge EAGLE 1 - Freeport Harbor, TX

USACE, Galveston District

DAILY REPORT

Date: 2 15 197 Loads: 165 - 169

Area(s) Worked: SECTIONS 3 AND 4

Weather Conditions: PTLY CLOUDY TO CLEAR, SEAS 2-4', WIND NE 10-25 KT

Range of H2O Temperature: Surface 57.1° - 59.5° F Below Mid-Depth 59° F

Condition of all screening apparatus: OK - FWD HATCH ON PORT LANDER BLOWN OPEN DURING LOAD 166. REPAIRED AFTER LOAD 167. HYDRAULIC ON STARBOARD LANDER LEAKING DURING LOAD 167, REPAIRED AT DUMP.

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 MUD AND CLAY. NO BIOLOGICAL SPECIMENS WERE COLLECTED IN THE INFLOW SCREENS. DEBRIS CONSISTED OF TIRE, WOOD, HARD AND SOFT PLASTIC, CABLE AND CLOTH.

IN ORDER TO CLEAR CLAY FROM LANDERS, BOTH SCREENS WERE OPENED AND LEFT OPEN DURING LOADS 167 AND 169; PORT SCREEN OPENED AND LEFT OPEN DURING LOAD 166; STARBOARD SCREEN OPENED AND CLOSED DURING LOAD 166; BOTH SCREENS OPENED AND CLOSED DURING LOADS 165 AND 168. SEE ADDITIONAL COMMENTS FOR FORMULATION OF DAILY EFFECTIVE COVERAGE.

DAILY EFFECTIVE COVERAGE: 14.25%

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TUESIOPS TRUNCATUS	6	34-38	SCATTERED IN CHANNEL BETWEEN JETTES AND BODY #16

Observer(s) On Duty: AMY GAGNON / CHRIS MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge EAGLE I - Freeport Harbor, TX

USACE, Galveston District

DAILY REPORT

Date: 2 16 197 Loads: 170 - 188

Area(s) Worked: SECTIONS 2 AND 3

Weather Conditions: CLEAR TO OVERCAST, SEAS 2-4', WIND NE 15-30 KT

Range of H2O Temperature: Surface 58.3° - 59.2° F Below Mid-Depth 59° F

Condition of all screening apparatus: OK - HATCH ON STARBOARD LANDER BLOWN OPEN ON LOAD #178, REPAIRED AT DUMP.

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

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

MATERIAL BEING DREDGED IS MUD AND CLAY, NO BIOLOGICAL SPECIMENS WERE COLLECTED IN THE INFLOW SCREENS. DEBRIS INCLUDED WOOD, ROPE HARD AND SOFT PLASTIC, LINE, NET, CLOTH.

CLAY CONTINUES TO CLOG TIC INFLOW SCREENS IN SECTION 2 AND ARE OPENED DURING THE LOADS TO BE CLEARED.

DAILY EFFECTIVE COVERAGE: 39.9%

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Amy GAGNON / CHRIS MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge EAGLE 1 - Freeport Harbor, TX

USACE, Galveston District

DAILY REPORT

Date: 2 / 7 / 97 Loads: 189-219

Area(s) Worked: SECTION 2

Weather Conditions: OVERCAST, SCATTERED SHOWERS, SEAS 3-5', WIND NE-NW 5-30 KT

Range of H₂O Temperature: Surface 57.2° - 58.6°F Below Mid-Depth N/A (SEE COMMENTS)

Condition of all screening apparatus: A SECTION OF CATWALK TO THE PORT LANDER FELL THROUGH ON LOAD 199 MAKING IT IMPOSSIBLE TO ACCURATELY CHECK THE SCREEN FOR TURTLE PARTS. TURTLE DEFLECTORS ARE 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 IS SILT AND CLAY. NO BIOLOGICAL SPECIMENS WERE COLLECTED IN THE INFLOW SCREENS. DEBRIS CONSISTED OF HARD AND SOFT PLASTIC, FISHING LINE, ROPE, CLOTH, CABLE AND NET.

SCREENING IS REDUCED DUE TO CLAY BLOCKAGE. NO TURTLES HAVE BEEN SIGHTED DURING BRIDGE WATCH.

WE WERE UNABLE TO MEASURE A BELOW MID-DEPTH TEMPERATURE TODAY AS BOTH THERMOMETERS WERE LOST OR BROKEN WHILE ATTEMPTING TO TAKE THE TEMPERATURE.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TURTLES TRUNCATUS	1	3	IN BOW WAVE OF PASSING SHIP IN CHANNEL
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: AMY GAGNON / CHRIS MASON

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

Dredge: **Eagle I**
 Project: **Freeport, TX**

Date: 2/8/97 Loads: 220 - 249
 Station(s): SECTION 2
 Weather: OVERCAST, SEAS 1-4', WIND N TO NE 10-30 KT
 Range of Water Temperature: Surface 54.0 - 57.1 At-Depth: N/A - NO THERMOMETER
 Condition of screening apparatus: TURTLE DEFLECTORS ARE IN EXCELLENT CONDITION.
SEE COMMENTS BELOW FOR INFLOW SCREENING.

Comments: MATERIAL BEING DREDGED IS SILT AND CLAY. NO BIOLOGICAL SPECIMENS WERE COLLECTED IN THE INFLOW SCREENS. DEBRIS CONSISTED OF STEEL, HARD AND SOFT PLASTIC, ROPE, CLOTH, LINE, WOOD, NET AND CABLE.

SCREENING WAS MINIMAL ON LOADS 220 - 232. AS PORT SCREEN COULD NOT BE ACCURATELY INSPECTED DUE TO UNSAFE CATWALK AND STARBOARD SCREEN WAS NOT CLOSED TIGHTLY (12" - 16" GAP) DUE TO A HYDRAULIC LEAK. THE CATWALK WAS TEMPORARILY REPAIRED BY LOAD 233 AND THE HYDRAULIC LEAK WAS TEMPORARILY REPAIRED AFTER LOAD 240. REPAIRS WERE ALSO MADE ON THE PORT SCREEN HYDRAULICS AFTER LOAD 240. SCREENING ON LOADS 241 - 249 WAS REDUCED DUE TO CLAY BLOCKAGE.

NO SEA TURTLES WERE OBSERVED DURING BRIDGE WATCH.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Location and Comments
<u>NONE</u>			

Observer(s) on Duty: AMY GAGNON / CHRIS MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *EAGLE 1* - Freeport Harbor, TX

USACE, Galveston District

DAILY REPORT

Date: 2 17 1997 Loads: 250 - 273

Area(s) Worked: SECTIONS 2 AND 4

Weather Conditions: OVERCAST, SCATTERED SHOWERS, SEAS 1-3', WIND N TO NE 10-20 KT

Range of H₂O Temperature: Surface 54.3° - 56.0° F Below Mid-Depth N/A

Condition of all screening apparatus: TURTLE DEFLECTORS ARE IN EXCELLENT CONDITION SCREENING IS REDUCED DUE TO CLAY BLOCKAGE. THE FORCE OF THE CLAY AGAINST THE SCREENS HAS CAUSED THEM TO WARP SO THAT THEY NO LONGER CLOSE TIGHTLY.

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

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

MATERIAL BEING DREDGED IS SILT AND CLAY WITH SMALL AMOUNTS OF COARSE SAND IN SECTION 4 NO BIOLOGICAL SPECIMENS WERE COLLECTED IN THE INFLOW SCREENS DEBRIS CONSISTED OF HARD AND SOFT PLASTIC, WOOD, ROPE, LINE, CLOTH, NET AND PVC PIPE.

NO SEA TURTLES WERE SIGHTED DURING BRIDGE WATCH.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TRINCALOPS TRUNCATUS</u>	<u>1</u>	<u>8-10</u>	<u>2 PODS SIGHTED OFF E JETTY</u>

Observer(s) On Duty: AMY GAGNON / CHRIS MASON

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ENDANGERED SPECIES OBSERVER PROGRAM
Dredge EAGLE I - Freeport Harbor, TX
USACE, Galveston District

WEEKLY SUMMARY

Dates: 2 13 197 - 2 19 197 Loads: 138 - 273

Range of H₂O Temperature: Surface 54.0 - 59.5 F Below Mid-Depth 59 F

Area(s) Worked: SECTIONS 2, 3 AND 4

Are there incidents involving endangered or protected species? Yes No

Comments: MATERIAL BEING DREDGED IS SILT AND CLAY WITH SOME COARSE SAND IN SECTION 4. NO BIOLOGICAL SPECIMENS WERE COLLECTED IN THE INFLOW SCREENS. DEBRIS CONSISTED OF WOOD, HARD AND SOFT PLASTIC, ROCK, METAL, CLOTH, NET, FISHING LINE, CABLE, TIRES AND PVC PIPE.

THE AMOUNT OF CLAY BEING DREDGED CAUSES MUCH WEAR ON THE SCREENS; THE HYDRAULICS AND MATZTES ARE CONSTANTLY BEING REPAIRED AND MAINTAINED. THE SCREENS CONTINUE TO BE OPENED DURING LOADS TO CLEAR THE CLAY IN ORDER TO AVOID DAMAGE TO THE DREDGE PUMPS, THEREFORE, SCREENING IS REDUCED (WEEKLY EFFECTIVE SCREENING - 45% OVER 136 LOADS). THE TURTLE REFLECTORS ARE IN EXCELLENT CONDITION.

NO TURTLES WERE SIGHTED DURING THE BRIDGE WATCH THIS WEEK.

NO MID-DEPTH TEMPERATURES HAVE BEEN TAKEN SINCE 2/7 DUE TO LOSS OF THERMOMETERS

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TURTLES</u>	<u>10</u>	<u>58-67</u>	<u>IN AND NEAR CHANNEL, MOSTLY BETWEEN END OF TIEPIES AND BODY # 6</u>

Observers On Duty: AMY GAGNON / CHRIS MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge EAGLE 1 - Freeport Harbor, TX

USACE, Galveston District

DAILY REPORT

Date: 2 / 10 / 97 Loads: 274-284

Area(s) Worked: SECTIONS 2 AND 4

Weather Conditions: OVERCAST, SCATTERED SHOWERS, SEAS 2', WIND NE TO ENE 10-20 KT

Range of H2O Temperature: Surface 53.3° - 54.5° F Below Mid-Depth N/A

Condition of all screening apparatus: TURTLE REFLECTORS ARE IN EXCELLENT CONDITION, SCREENING IS REDUCED DUE TO CLAY BLOCKAGE AND INABILITY OF PORT LANDER DOOR TO CLOSE TIGHTLY AS IT HAS BEEN WARPED BY THE FORCE OF CLAY BEING PUSHED THROUGH IT. SEE COMMENTS BELOW.

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

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

MATERIAL BEING DREDGED IS SILT AND CLAY. NO BIOLOGICAL SPECIMENS WERE COLLECTED IN THE INFLOW SCREENS. DEBRIS CONSISTED OF CABLE, ROPE, CLOTH, WOOD, NET, HARD AND SOFT PLASTIC, AND FISHING LINE.

THE PORT LANDER WAS EXAMINED AND MEASURED AFTER LOAD 276. THE GAP BETWEEN THE FRONT SCREEN AND THE LANDER, CAUSED BY CLAY BEING FORCED AGAINST AND THROUGH IT, MEASURED 6" ALONG THE STARBOARD SIDE (APPROXIMATELY 3' IN HEIGHT) AND 5"-6" ACROSS THE STARBOARD ONE-THIRD OF THE TOP AND BOTTOM OF THE LANDER (APPROXIMATELY 2 1/2'). IT IS POSSIBLE THAT A TURTLE OR TURTLE PARTS THAT NORMALLY WOULD HAVE BEEN SAMPLED MAY BE FORCED THROUGH THE GAPS, THIS REDUCING THE SCREEN'S EFFECTIVENESS. ~~REPAIR~~, THE REPLACEMENT OR REPAIR AND REINFORCEMENT OF THE SCREENS HAS BEEN ADDRESSED TO THE CAPTAIN AND PROJECT SUPERVISOR.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NONE - NO SEA TURTLES WERE OBSERVED DURING BRIDGE WATCH			

Observer(s) On Duty: AMY GAGNON / CHRIS MASON

ENDANGERED SPECIES OBSERVER PROGRAM

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Dredge EAGLE 1 - Freeport Harbor, TX

USACE, Galveston District

DAILY REPORT

Date: 2 / 11 / 97 Loads: 286-293

Area(s) Worked: SECTIONS 2, 3 AND 4

Weather Conditions: PARTLY CLOUDY TO OVERCAST, SEAS 1-5', WIND N TO E 8-15 KT

Range of H₂O Temperature: Surface 53.6°-54.0° F Below Mid-Depth N/A

Condition of all screening apparatus: TURTLE REFLECTORS ARE IN EXCELLENT CONDITION. SCREENING IS MINIMAL DUE TO CLAY BLOKAGE AND WARPED PORT SCREEN.

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

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

MATERIAL BEING DREDGED IS SILT AND CLAY WITH SOME COARSE SAND IN SECTION 4. NO BIOLOGICAL SPECIMENS WERE COLLECTED IN THE INFLOW SCREENS. DEBRIS CONSISTED OF HARD AND SOFT PLASTIC, ROPE, CLOTH, CABLE, ROCK AND WOOD.

NO SEA TURTLES WERE OBSERVED DURING BRIDGE WATCH.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NONE			

Observer(s) On Duty: Amy GAGNON

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge EAGLE I - Freeport Harbor, TX
USACE, Galveston District

DAILY REPORT

Date: 2 1 12 197 Loads: 294 - 304

Area(s) Worked: SECTIONS 1 AND 2

Weather Conditions: PTLY CLOUDY TO OVERCAST, SEAS 2-7', WIND SE TO N 10-30 KT

Range of H₂O Temperature: Surface 54.2° - 55.4° F Below Mid-Depth N/A

Condition of all screening apparatus: TURTLE DEFLECTORS ARE IN EXCELLENT CONDITION. SCREENING IS REDUCED DUE TO CLAY BLOCKAGE AND WARPED PORT SCREEN.

Are there incidents involving endangered or protected species? Yes No

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

MATERIAL BEING DREDGED IS SILT AND CLAY. NO BIOLOGICAL SPECIMENS WERE COLLECTED IN THE INFLOW SCREENS. DEBRIS CONSISTED OF NET, ROPE, HARD AND SOFT PLASTIC, TIRES, CLOTH, WOOD AND STEEL.

NO SEA TURTLES WERE OBSERVED DURING BRIDGE WATCH.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: AMY GAGNON / CHRIS MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *EAGLE 1* - Freeport Harbor, TX

USACE, Galveston District

DAILY REPORT

Date: 2 1 13 1 97 Loads: 305 - 330

Area(s) Worked: SECTION 1

Weather Conditions: PARTLY CLOUDY TO OVERCAST, SEAS 2-6', WIND NNW TO E 5-23 KT

Range of H₂O Temperature: Surface 54.9° - 55.4° F Below Mid-Depth 56° - 57° F

Condition of all screening apparatus: TURTLE DEFLECTORS ARE IN EXCELLENT CONDITION.

SCREENING IS REDUCED DUE TO CLAY BLOCKAGE AND WARPED PORT SCREEN.

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

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

MATERIAL BEING DREDGED IS SILT AND CLAY. BIOLOGICAL SPECIMENS INCLUDED 2 SPIDER CRABS. DEBRIS CONSISTED OF HARD AND SOFT PLASTIC, NET, ROPE, CLOTH, WOOD, ROCK, HOSE, CHAIN, CABLE, METAL AND FISHING LINE AND TACKLE.

NO SEA TURTLES WERE OBSERVED DURING BRIDGE WATCH

Bridge Watch Summary

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

Observer(s) On Duty: AMY GAGNON / CHRIS MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge EAGLE III Freeport Harbor, TX

USACE, Galveston District

DAILY REPORT

Date: 2 / 14 / 97 Loads: 331-353

Area(s) Worked: SECTION 1

Weather Conditions: OVERCAST TO CLEAR, SEAS 2-3', WIND NW TO NE 10-25 KT

Range of H₂O Temperature: Surface 54.5° - 55.2° F Below Mid-Depth 53° - 56° F

Condition of all screening apparatus: TURTLE DEFLECTORS ARE IN EXCELLENT CONDITION. SCREENING IS REDUCED THROUGH STARBOARD INFLOW DUE TO CLAY BLOCKAGE. SCREENING IS MINIMAL THROUGH PORT INFLOW DUE TO WARPED CONDITION.

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

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

MATERIAL BEING DREDGED IS SILT AND CLAY. NO BIOLOGICAL SPECIMENS WERE COLLECTED IN THE INFLOW SCREENS. DEBRIS CONSISTED OF HARD AND SOFT PLASTIC, NET, ROPE, CLOTH, FISHING LINE, TIRE, AND ROCK.

NO SEA TURTLES WERE OBSERVED DURING BRIDGE WATCH.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NONE			

Observer(s) On Duty: Amy GAGNON / CHRIS MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *EAGLE 1* - Freeport Harbor, TX

USACE, Galveston District

DAILY REPORT

Date: 12 / 15 / 97 Loads: 354-374

Area(s) Worked: SECTION 1

Weather Conditions: CLEAR, SEAS CALM - 2', WIND CALM TO NNW TO E 10-25 KT

Range of H₂O Temperature: Surface 52.4 - 54.7 °F Below Mid-Depth 56 °F

Condition of all screening apparatus: TURTLE DEFLECTORS ARE IN EXCELLENT CONDITION. STARBOARD SCREENING IS REDUCED DUE TO CLAY BLOCKAGE. PORT SCREENING IS MINIMAL DUE TO WARPED CONDITION.

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

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

MATERIAL BEING DREDGED IS SILT AND CLAY. NO BIOLOGICAL SPECIMENS WERE COLLECTED IN THE INFLOW SCREENS. DEBRIS CONSISTED OF WOOD, NET, HARD AND SOFT PLASTIC, FISHING LINE, CLOTH, ROPE, HOSE, ROCK AND STEEL.

NO SEA TURTLES WERE OBSERVED DURING BRIDGE WATCH.

Bridge Watch Summary

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

Observer(s) On Duty: AMY GAGNON / CHRIS MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge EAGLE 1 - Freeport Harbor, TX

USACE, Galveston District

DAILY REPORT

Date: 2 / 16 / 97 Loads: 375 - 391

Area(s) Worked: SECTIONS 1 AND 5

Weather Conditions: CLEAR, WIND VARIABLE LIGHT - 10KT, SEAS CALM - 1'

Range of H₂O Temperature: Surface 53.9° - 55.0° F Below Mid-Depth 54 - 56.5° F

Condition of all screening apparatus: TURTLE DEFLECTORS ARE IN EXCELLENT CONDITION.

SCREENING IS REDUCED THROUGH STARBOARD INFLOW DUE TO CLAY BLOCKAGE

SCREENING IS MINIMAL THROUGH PORT INFLOW DUE TO WARPED CONDITION

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

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

MATERIAL BEING DREDGED IS SILT AND CLAY IN SECTION 1 AND MOSTLY SILT WITH SOME CLAY IN SECTION 5. NO BIOLOGICAL SPECIMENS WERE COLLECTED IN THE INFLOW SCREENS. DEBRIS CONSISTED OF HARD AND SOFT PLASTIC, NET, ROPE, TIRES, STEEL, CABLE, FISHING LINE AND WOOD.

NO SEA TURTLES WERE OBSERVED DURING BRIDGE WATCH.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TURTLES TRUNCATUS	5	19-22	IN BETWEEN AND JUST OUTSIDE TETTES; NEAR BUOYS #2 + #3

Observer(s) On Duty: Amy GAGNON / CHRIS MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge EAGLE 1 - Freeport Harbor, TX

USACE, Galveston District

C.O.E.

WEEKLY SUMMARY

Dates: 2 / 10 / 97 - 2 / 16 / 97 Loads: 274 - 391

Range of H₂O Temperature: Surface 52.4° - 55.4°F Below Mid-Depth 53° - 57°F

Area(s) Worked: SECTIONS 1, 2, 3, 4 AND 5

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

Comments: MATERIAL BEING DREDGED IS SILT AND CLAY WITH LARGER AMOUNTS OF CLAY IN SECTIONS 1, 2, 3, AND 4 THAN IN SECTION 5. VERY FEW BIOLOGICAL SPECIMENS HAVE BEEN COLLECTED IN THE INFLOW SCREENS - 2 SPIDER CRABS. DEBRIS CONSISTS OF HARD AND SOFT PLASTICS, ROPE, NET, ROCK, WOOD, TIRES, METAL, CLOTH, CABLE, HOSE AND FISHING LINE AND TACKLE.

TURTLE DEFLECTORS ARE IN EXCELLENT CONDITION; HOWEVER, SCREENING HAS DECLINED AND IS NOW MINIMAL TO REDUCED IN ITS EFFECTIVENESS. THE FORCE OF CLAY THROUGH AND AGAINST THE SCREENS WHILE DREDGING, HAS WARPED THEM. MUCH OF THIS WARPING IS CORRECTED BY THE HYDRAULICS THAT CLOSE THE SCREENS, YET THE REMAINING GAPS ARE LARGER THAN ALLOWED BY PROJECT SPECIFICATIONS. THE REPLACEMENT OR REPAIR AND REINFORCEMENT OF THE SCREENS WAS ADDRESSED TO THE CAPTAIN AND PROJECT SUPERVISOR ON 2/10/97. NO IMPROVEMENTS IN THEIR CONDITION HAVE BEEN MADE TO DATE. MONITORING EFFECTIVENESS HAS ALSO BEEN REDUCED DUE TO CLAY BLOCKAGE AS THE SCREENS ARE OPENED DURING THE LOADS TO CLEAR THEM OF CLAY CHUNKS IN ORDER TO PREVENT THE SPRAYING OF MUD ON THE DECK AND POSSIBLE DAMAGE TO DREDGE PUMPS. THIS WEEK, THE LANDER SCREENS WERE CLOSED 52.7% OF THE TIME OVER 118 LOADS; HOWEVER IT IS IMPOSSIBLE TO CALCULATE THE ACTUAL EFFECTIVENESS DUE TO THE WARPED CONDITION OF THE SCREENS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TURTLES TRUNCATUS	5	19 - 22	IN AND NEAR SECTIONS 1 AND 5

NO SEA TURTLES WERE OBSERVED DURING BRIDGE WATCH

Observers On Duty: Amy GAGNON / CHRIS MASON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge EAGLE 1 - Freeport Harbor, TX

USACE, Galveston District

DAILY REPORT

Date: 2 / 17 / 97 Loads: 392 - 412

Area(s) Worked: SECTION 5

Weather Conditions: CLEAR, SEAS CALM - 1', WIND CALM

Range of H2O Temperature: Surface 53.3° - 55.1° F Below Mid-Depth 58° F

Condition of all screening apparatus: TURTLE DEFLECTORS ARE IN EXCELLENT CONDITION. SCREENING IS MINIMAL TO REDUCED DUE TO CLAY BLOCKAGE AND WARPING OF LANDER GATES. SEE COMMENTS BELOW.

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

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

MATERIAL BEING DREDGED IS SILT WITH SOME CLAY. NO BIOLOGICAL SPECIMENS WERE COLLECTED IN THE INFLOW SCREENS. DEBRIS CONSISTED OF HARD AND SOFT PLASTICS, NET, TIRES, ROPE, CLOTH, WOOD, PVC PIPE, ALUMINUM, STEEL AND FISHING LINE AND TACKLE

THE AFTER HATCH ON THE PORT LANDER WAS STRAIGHTENED SO THAT IT IS NOW FLUSH WITH THE LANDER. AN EFFORT IS BEING MADE TO CORRECT BOTH LANDER GATES, THOUGH GAPS ~~REMAIN~~ LARGER THAN PROJECT SPECIFICATIONS REMAIN.

NO SEA TURTLES WERE OBSERVED DURING BRIDGE WATCH

OBSERVER CHRIS MASON WAS RELIEVED BY MELISSA CRABTREE AT 1130

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TURTLES TRUNCATUS	4	13-15	IN AND OUT OF CHANNEL NEAR JETTIES

Observer(s) On Duty: Amy GAGNON / MELISSA CRABTREE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge EAGLE I - Freeport Harbor, TX

USACE, Galveston District

DAILY REPORT

Date: 2 / 18 / 97 Loads: 413-431

Area(s) Worked: SECTION 5

Weather Conditions: PARTLY CLOUDY, SEAS CALM - 5', WIND LIGHT + VARIABLE TO SE 5-10 KT

Range of H2O Temperature: Surface 53.5° - 56.3° F Below Mid-Depth 57° - 58° F

Condition of all screening apparatus: TURTLE DEFLECTORS ARE IN EXCELLENT CONDITION.

SCREENING IS MINIMAL TO REDUCED DUE TO CLAY BLOCKAGE AND WARPED CONDITION OF LANDER GATES. PIN REPLACED ON STBD LANDER HATCH AFTER LOAD 422.

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

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

MATERIAL BEING DREDGED IS SILT WITH SOME CLAY. NO BIOLOGICAL SPECIMENS WERE COLLECTED IN THE INFLOW SCREENS. DEBRIS CONSISTED OF HARD AND SOFT PLASTIC, WOOD, FISHING LINE AND TACKLE, METAL, ROPE, NET, ALUMINIUM AND CLOTH.

NO SEA TURTLES WERE OBSERVED DURING BRIDGE WATCH.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops TRUNCATUS	4	9	IN BETWEEN AND JUST OUTSIDE TIES

Observer(s) On Duty: Amy GAGNON / MELISSA CRABTREE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge EAGLE 1 - Freeport Harbor, TX

USACE, Galveston District

DAILY REPORT

Date: 2 / 19 / 97 Loads: 432-451

Area(s) Worked: SECTION 5

Weather Conditions: CLOUDY, LIGHT TO DENSE FOG, SEAS 1-3', WIND

Range of H2O Temperature: Surface 59.7° - 57.4°F Below Mid-Depth 57°F

Condition of all screening apparatus: TURTLE DEFLECTORS ARE IN EXCELLENT CONDITION. SCREENING APPARATUS OK - SEE COMMENTS BELOW.

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

Comments (type of material being dredged, biological specimens, etc.): MATERIAL BEING DREDGED IS SILT WITH SOME CLAY. NO BIOLOGICAL SPECIMENS WERE COLLECTED IN THE INFLOW SCREENS. DEBRIS CONSISTED OF HARD AND SOFT PLASTIC, WOOD, CLOTH, LINE, ROPE AND ROCK.

SIGNIFICANT IMPROVEMENTS WERE MADE ON PORT LANDER GATE (NO MEASUREMENTS TAKEN AS OF YET) SO THAT IT NOW CLOSES MORE TIGHTLY. WORK WAS DONE ON DUMP RUNS OF LOADS 443-446, IMPROVING EFFECTIVENESS FROM MINIMAL TO OK. GAP IN STARBOARD LANDER MEASURED 5" AT WIDEST OVER MIDDLE SECTION OF GATE (~3').

NO SEA TURTLES WERE OBSERVED DURING BRIDGE WATCH

Bridge Watch Summary

Table with 4 columns: Species, # of Sightings, # of Animals, Comments. Row 1: NONE

Observer(s) On Duty: AMY GAGNON / MEUSSA CRABTREE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge EAGLE 1 - Freeport Harbor, TX

USACE, Galveston District

DAILY REPORT

Date: 2 / 20 / 97 Loads: 452 - 470

Area(s) Worked: SECTION 5

Weather Conditions: CLOUDY W/ SCATTERED SHOWERS, FOG, SEAS 1-10', WIND SE 10-25 KT

Range of H₂O Temperature: Surface 56.6° - 59.7° F Below Mid-Depth

Condition of all screening apparatus: TURTLE DEFLECTORS ARE IN EXCELLENT CONDITION, ALL SCREENING APPARATUS NOW MEETS PROTECT SPECIFICATIONS - SEE COMMENTS BELOW.

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

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

MATERIAL BEING DREDGED IS SILT WITH SOME CLAY. NO BIOLOGICAL SPECIMENS WERE COLLECTED IN THE INFLOW SCREENS. DEBRIS CONSISTED OF ROCK, WOOD, CLOTH, HARD AND SOFT PLASTIC, ROPE AND METAL.

STARBOARD LANDER GATE WAS STRAIGHTENED AND HATCH PIN REPLACED AFTER LOAD 456. SCREENING EFFECTIVENESS WAS 100%. AFTER LOAD 456 - LANDER GATES WERE NOT OPENED DURING LOADS 452 - 470 TO CLEAR CLAY BLOCKAGE AND SCREENS ARE WITHIN PROTECT SPECIFICATIONS (4" x 4" OPENINGS).

NO SEA TURTLES WERE OBSERVED DURING BRIDGE WATCH.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TURSIDS TRUNCATUS	3	9	SIGHTED NEAR JUNCTION ON W SIDE OF CHANNEL

Observer(s) On Duty: AMY GAGNON / MELISSA CRABTREE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge EAGLE 1 - Freeport Harbor, TX

USACE, Galveston District

DAILY REPORT

Date: 2 / 21 / 97 Loads: 471 - 487

Area(s) Worked: SECTIONS 4 + 5

Weather Conditions: CLEAR, PATCHY FOG, SEAS 3-5', WIND

Range of H2O Temperature: Surface Below Mid-Depth

Condition of all screening apparatus: TURTLE DEFLECTORS ARE IN EXCELLENT CONDITION. SCREENING APPARATUS IN GOOD CONDITION.

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

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

MATERIAL BEING DREDGED IS SILT WITH SOME CLAY IN SECTION 5 AND LARGER AMOUNTS OF CLAY IN SECTION 4. NO BIOLOGICAL SPECIMENS WERE COLLECTED IN THE INFLOW SCREENS. DEBRIS CONSISTED OF WOOD, ROPE, CLOTH, HARD AND SOFT PLASTIC, LINE, ROLL AND CHAIN

NO SEA TURTLES WERE OBSERVED DURING BRIDGE WATCH.

Bridge Watch Summary

Table with 4 columns: Species, # of Sightings, # of Animals, Comments. Row 1: PUCIOPS TRUNCATUS, 1, 1, IN CHANNEL NEAR JUNCTION, EAST SIDE

Observer(s) On Duty: Amy GAGNON / MELISSA CRABTREE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge EAGLE 1 - Freeport Harbor, TX

USACE, Galveston District

DAILY REPORT

Date: 2 / 22 / 97 Loads: 488 - 497

Area(s) Worked: SECTIONS 4 AND 5

Weather Conditions: CLEAR, SEAS 1-4', WIND N TO NE 10-25 KT

Range of H₂O Temperature: Surface 58.9° - 59.7° F Below Mid-Depth

Condition of all screening apparatus: TURTLE DEFLECTORS ARE IN EXCELLENT CONDITION. SCREENING APPARATUS IN GOOD CONDITION. SCREENING REDUCED IN SECTION 4 DUE TO CLAY BLOCKAGE.

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

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

MATERIAL BEING DREDGED IS SILT AND SOME CLAY IN SECTION 5 AND LARGER AMOUNTS OF CLAY IN SECTION 4. NO BIOLOGICAL SPECIMENS WERE COLLECTED IN THE INFLOW SCREENS. DEBRIS CONSISTED OF ROCK, WOOD, CLOTH, LINE, HARD AND SOFT PLASTIC.

NO SEA TURTLES WERE OBSERVED DURING BRIDGE WATCH.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TUESIOPS TRUNCATUS	2	2	E. SIDE OF CHANNEL NEAR JUNCTION

Observer(s) On Duty: Amy GAGNON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge EAGLE 1 - Freeport Harbor, TX

USACE, Galveston District

WEEKLY SUMMARY

Dates: 2 / 17 / 97 - 2 / 22 / 97 Loads: 392 - 497

Range of H₂O Temperature: Surface 53.3° - 59.7°F Below Mid-Depth 57° - 58°F

Area(s) Worked: SECTIONS 4 AND 5

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

Comments: MATERIAL BEING DREDGED IS SILT AND CLAY. NO BIOLOGICAL SPECIMENS WERE COLLECTED IN THE INFLOW SCREENS. DEBRIS CONSISTED OF ROPE, LINE, ROCK, HARD AND SOFT PLASTIC, WOOD, CLOTH, METAL AND NET.

SCREENING WAS REDUCED DUE TO CLAY BLOCKAGE AND WARPING OF LANDER GATES FOR LOADS 392 - 456 AND LOADS 488 - 490 AND 497 DUE TO CLAY BLOCKAGE. (2/17 - 2/20/97 : 89.9% EFFECTIVENESS OVER 79 LOADS, 2/22/97 : 92.5% EFFECTIVENESS OVER 10 LOADS, TOTAL EFFECTIVENESS FOR WEEK : 91.7% OVER 106 LOADS) PORT LANDER GATE WAS IMPROVED TO MEET PROJECT SPECIFICATIONS AFTER LOAD 496; STARBOARD LANDER GATE AFTER LOAD 456. TURTLE DEFLECTORS REMAIN IN EXCELLENT CONDITION DREDGING ENDED 1311 ON 2/22/97.

CHRIS MASON WAS REPLACED BY MELISSA CRABTREE AT 1130 ON 2/17/97

NO SEA TURTLES WERE SIGHTED DURING BRIDGE WATCH THIS WEEK.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TURSIDES TRUNCATUS	14	34-36	MOST SIGHTED IN BETWEEN JETTIES
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observers On Duty: Amy GAGNON / MELISSA CRABTREE

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge PADRE ISLAND / NATCO
Freeport Harbor Entrance - USACE, Galveston District - 1996

DAILY REPORT

Date: 4/11/97 Loads: #1 to #7
Area(s) Worked: N 28° 55' W 95° 17'
Weather Conditions: Mostly cloudy, seas rough, wind 10-20 knots
Range of H₂O Temperature: Surface 69° Below Mid-Depth 67
Condition of all screening apparatus: Good

Are there incidents involving endangered or protected species? Yes No

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

Material dredged consisted of mud & clay

Debris included clay, rope, fishing line, wood, plastic,

No biological material was found in the screening apparatus.

THE STD draghead is in need of repair

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tt.</u>			<u>Numerous animals that stay around the ends of the jetties</u>

Observer(s) On Duty: STACIE Knight Leslie Sprague

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge PADRE ISLAND / NATCO
Freeport Harbor Entrance - USACE, Galveston District - 1996

DAILY REPORT

Date: 4/2/97 Loads: 8-9

Area(s) Worked: N 28°55' W 95°15'

Weather Conditions: cloudy, seas 2-5', wind 5-20 kts

Range of H₂O Temperature: Surface 8 Below Mid-Depth 67°F

Condition of all screening apparatus: GOOD

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

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

Material dredged was mud + clay.

Debris found in dragheads + screening included:
clay + rope + trash

No biological material found today.

STBD + PORT Dragheads/arms in need of repair. Left for
dock in Galveston at 1030 for repairs.

Bridge Watch Summary

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

Observer(s) On Duty: Leslie Sprague / Stacie Knight

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *PADRE ISLAND* / NATCO
Freeport Harbor Entrance - USACE, Galveston-District - 1996

DAILY REPORT

Date: 4/3/97 Loads: 0

Area(s) Worked: _____

Weather Conditions: _____

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

Condition of all screening apparatus: GOOD

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

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

Dredge in Galveston at dock for repairs.

Bridge Watch Summary

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

Observer(s) On Duty: _____

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge PADRE ISLAND / NATCO
Freeport Harbor Entrance - USACE, Galveston District - 1996

DAILY REPORT

Date: 4 14 1997 Loads: # 10
Area(s) Worked: N 28° 56' W 95° 16'
Weather Conditions: Overcast, seas 2-4' wind 10-15 Knts
Range of H₂O Temperature: Surface _____ Below Mid-Depth 68° F
Condition of all screening apparatus: good

Are there incidents involving endangered or protected species? Yes _____ No 1

Comments (type of material being dredged, biological specimens, etc.):
Ops were made in Galveston and Dredge returned to Freeport at 20:00

The debris found included rope, nets, and trash.

No Biological debris was found

Bridge Watch Summary

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

Observer(s) On Duty: ~~DMO~~ Leslie Sprague

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge PADRE ISLAND / NATCO
Freeport Harbor Entrance - USACE, Galveston District - 1996

DAILY REPORT

Date: 4/5/97 Loads: #11 to #18
Area(s) Worked: N 28°56' W 95°18'
Weather Conditions: cloudy, Seas rough, Wind 5-20 knots
Range of H₂O Temperature: Surface 70° Below Mid-Depth 68°
Condition of all screening apparatus: Good

Are there incidents involving endangered or protected species? Yes No

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

Material dredged was mud with clay

Debris in screens consisted of clay, rope, net, trash, line and grass.

No Biological debris was found.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TE</u>	<u>2</u>	<u>3</u>	<u>located at the end of Jetty</u>

Observer(s) On Duty: LESLIE Sprague & STACIE Knight

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge PADRE ISLAND / NATCO
Freeport Harbor Entrance - USACE, Galveston District - 1996

DAILY REPORT

Date: 4 16 Loads: # 14 to # 30
Area(s) Worked: N 28° 56' W 95° 18'
Weather Conditions: clear, sea calm, wind 5-10 knots
Range of H₂O Temperature: Surface 72° Below Mid-Depth 69°
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.):

The material dredged was mud and clay

Debris found in dragheads + screening included clay, rope, nets, cloth, plastic and wood

Biological material found consisted of whelks and jellyfish

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tt</u>	<u>1</u>	<u>1</u>	<u>Found in the channel</u>

Observer(s) On Duty: Leslie Sprague + Stacie Knight

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge PADRE ISLAND / NATCO
Freeport Harbor Entrance - USACE, Galveston District - 1996

WEEKLY SUMMARY

Dates: 4/1/97 - 4/6/97 Loads: #1 to #30
Range of H₂O Temperature: Surface 69°-72° F Below Mid-Depth 67°-69° F
Area(s) Worked: N 28° 56' to W 95° 18'

Are there incidents involving endangered or protected species? Yes No

Comments: Material dredged included Mud and Clay.

Debris included rope, line, Net, trash, + wood

Biological material found was whelks + Jellyfish

The Dredge had to return to Galveston on 4-3-97 to late 4-4-97 For repairs

All screening Apparatus are in good condition

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Turkeys t.</u>	<u>4</u>	<u>5</u>	<u>Often are seen near the end of THE JETTY</u>

Observers On Duty: Leslie Sprague Stacie Knight

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge PADRE ISLAND / NATCO
Freeport Harbor Entrance - USACE, Galveston District - 1996

DAILY REPORT

Date: 4, 7, 97 Loads: 31 - 33
Area(s) Worked: N 28°56' W 95°17'
Weather Conditions: clear, wind calm - 30 kts, swells 2-3'
Range of H₂O Temperature: Surface 71° F Below Mid-Depth 68° F
Condition of all screening apparatus: GOOD + clean

Are there incidents involving endangered or protected species? Yes No

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

Material dredged was mud & clay.
Debris in dragheads + screening: cloth, rope, plastic, wood + fr.

No biological material found.

Dredge went into dock for fuel at 0600 & resumed dredging at 2335.

Bridge Watch Summary

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

Observer(s) On Duty: Stacie Knight

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge PADRE ISLAND / NATCO
Freeport Harbor Entrance - USACE, Galveston District - 1996

DAILY REPORT

Date: 4 18 1997 Loads: # 34 to # 47
Area(s) Worked: N 28° 56' W 95
Weather Conditions: Overcast, seas 4-5', wind 10-20 Knots
Range of H₂O Temperature: Surface 72° F Below Mid-Depth 70° F
Condition of all screening apparatus: Good

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.):
- Material dredged was Mud + Clay
- Material Found included trash, rope, cloth, net, line, wood,

Biological Material Found was 1 Fish, Jelly Fish

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T6</u>	<u>5</u>	<u>5</u>	<u>Near Jetties</u>

Observer(s) On Duty: Stacie Knight, Leslie Sprague

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge PADRE ISLAND / NATCO
Freeport Harbor Entrance - USACE, Galveston District - 1996

DAILY REPORT

Date: 4 19 1997 Loads: # 48 to # 62
Area(s) Worked: N 28° 56' W 95° 19'
Weather Conditions: Overcast, seas 2-3' swells, wind 5-20kts
Range of H₂O Temperature: Surface 70° Below Mid-Depth 68°
Condition of all screening apparatus: Good

Are there incidents involving endangered or protected species? Yes No

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

Material dredged consisted of Mud + clay

Debris Found was wood, cloth, trash, net, & line

No Biological Material was Found.

Starboard screens had to be open often in mid-load due to packed clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TE</u>	<u>3</u>	<u>Numerous</u>	<u>outside of Jetties</u>

Observer(s) On Duty: Leslie Sprague & Stacie Knight

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge PADRE ISLAND / NATCO
Freeport Harbor Entrance - USACE, Galveston District - 1996

DAILY REPORT

Date: 4 / 10 / 97 Loads: # 63 to # 79
Area(s) Worked: N 22° 56' W 95° 18'
Weather Conditions: Clear, seas 2-4', wind 5-10 kts
Range of H₂O Temperature: Surface 72° F Below Mid-Depth 70° F
Condition of all screening apparatus: Good

Are there incidents involving endangered or protected species? Yes No

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

Material dredged was mud & clay

Debris found consisted of wood, rock, line, trash,

Biological specimens found: Jelly fish

STBD screens had to often be opened & cleaned during the load due to packed clay

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tt</u>	<u>2</u>	<u>Numerous</u>	<u>in channel</u>

Observer(s) On Duty: Leslie Sprague Stacie Knight

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge PADRE ISLAND / NATCO
 Freeport Harbor Entrance - USACE, Galveston District - 1996

DAILY REPORT

Date: 4 11 1997 Loads: # 80 to # 95
 Area(s) Worked: N 28° 56' W 95° 18'
 Weather Conditions: Overcast, Lightening Seas 3-5', wind 10-20 kts
 Range of H₂O Temperature: Surface 72° F Below Mid-Depth 68° F
 Condition of all screening apparatus: Good

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.):
Material dredged was Mud + Clay
DEBRIS FOUND consisted of wood, rocks, trash, cal
sector ball
Biological specimens seen: Jelly Fish

ON several loads observations had to Be
Made From the Bridge due to severe
Lightening

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TE</u>	<u>2</u>	<u>2</u>	<u>in The Channel</u>

Observer(s) On Duty: Lestre Sprague Stacie Knight

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge PADRE ISLAND / NATCO
Freeport Harbor Entrance - USACE, Galveston District - 1996

DAILY REPORT

Date: 4, 12, 197 Loads: # 96 to # 111
Area(s) Worked: N 28° 56' W 95° 18'
Weather Conditions: Overcast, seas 2-4' wind 25-30 Kts
Range of H₂O Temperature: Surface 70° F Below Mid-Depth 68° F
Condition of all screening apparatus: Good

Are there incidents involving endangered or protected species? Yes No

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

Material dredged was Mud & Clay

Debris Found consisted of trash, line & wood

Biological specimens seen were cannonball
Jellyfish

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>It</u>	<u>4</u>	<u>9</u>	<u>Commonly seen at End of U</u>

Observer(s) On Duty: Leslie Sprague, Stacie Knight

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge PADRE ISLAND / NATCO
Freeport Harbor Entrance - USACE, Galveston District - 1996

DAILY REPORT

Date: 4, 13, 97 Loads: # 112 to # 125
Area(s) Worked: N 28° 56' W 95° 18'
Weather Conditions: Overcast, seas 2-4', wind 15-25 Kts
Range of H₂O Temperature: Surface 70° F Below Mid-Depth 67° F
Condition of all screening apparatus: Good

Are there incidents involving endangered or protected species? Yes No

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

- Material dredged was Mud & clay
- Debris Found included crabtrap, wood, line, trash,
- Biological specimens seen: Jellyfish
-

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tk</u>	<u>3</u>	<u>Many</u>	<u>outside of channel</u>

Observer(s) On Duty: Leslie Sprague Stacie Knight

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge PADRE ISLAND / NATCO
Freeport Harbor Entrance - USACE, Galveston District - 1996

WEEKLY SUMMARY

Dates: 4 / 7 / 1997 - 4 / 13 / 1997 Loads: # 3 to # 125
Range of H₂O Temperature: Surface 72° - 70° F Below Mid-Depth 70° to 68° F
Area(s) Worked: N 28° 56' to W 95° 18'

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

- Comments:
- MATERIAL DREDGED WAS MUD and Clay
 - DEBRIS Found in DRAGHEADS & SCREENING: cloth, PLASTIC, WOOD, TRASH, NET, Line,
 - BIOLOGICAL Material Found included Fish, JELLYFISH
 - All SCREENING APPARATUS ~~is~~ IS IN Good condition
 - SCREENS HAD TO BE OPENED AND CLEANED DURING Loads DUE TO PACKED clay

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T. truncatus</u>	<u>19</u>	<u>NUMEROUS</u>	<u>commonly seen outside OF THE JETTIES</u>

Observers On Duty: LESLIE SPRAGUE, STACIE Knight

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *PADRE ISLAND* / NATCO
Freeport Harbor Entrance - USACE, Galveston District - 1996

DAILY REPORT

Date: 4 15 1997 Loads: # 143 to # 157
Area(s) Worked: N 28° 56' W 95° 18'
Weather Conditions: Partly cloudy, seas 2-3', wind 10-15 knots
Range of H₂O Temperature: Surface 69° F Below Mid-Depth 66° F
Condition of all screening apparatus: Good

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

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

- MATERIAL DREDGED WAS MUD + CLAY

- DEBRIS FOUND IN DRAG HEADS + SCREENS INCLUDED:
TRASH, WOOD,

- BIOLOGICAL MATERIAL SEEN CONSISTED OF FISH,
EEL, CANNON BALL JELLYFISH

- NO ENDANGERED OR PROTECTED SPECIES WERE SEEN
FROM THE BRIDGE.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			

Observer(s) On Duty: Leslie Sprague / Stacie Knight

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge: PADRE ISLAND / NATCO
Freeport Harbor Entrance - USACE, Galveston District - 1996

DAILY REPORT

Date: 4, 16th 197 Loads: # 158 to # 171
Area(s) Worked: N 28° 56' W 95° 18'
Weather Conditions: clear, calm seas, wind 5-15 Kts
Range of H₂O Temperature: Surface 71° F Below Mid-Depth 68° F
Condition of all screening apparatus: Good

Are there incidents involving endangered or protected species? Yes No

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

Material dredged was MUD and clay

DEBRIS Found in DRAGHEADS + SCREENS included:
A TIRE, WOOD, NETTING, CLOTH, TRASH

Biological SPECIMENS SEEN: CANNONBALL JELLYFISH

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tursiops truncatus</u>	<u>1</u>	<u>Numerous</u>	<u>outside CHANNEL</u>

Observer(s) On Duty: Leslie Sprague / stacie Knight

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge PADRE ISLAND / NATCO
Freeport Harbor Entrance - USACE, Galveston District - 1996

DAILY REPORT

Date: 4, 17, 1997 Loads: #172 to #189
Area(s) Worked: N 28° 56', W 95° 18'
Weather Conditions: cloudy, seas calm, wind 5-10 kts
Range of H₂O Temperature: Surface 70° F Below Mid-Depth 68° F
Condition of all screening apparatus: Good

Are there incidents involving endangered or protected species? Yes No

Comments (type of material being dredged, biological specimens, etc.):
- DREDGED OUTSIDE OF JETTIES, MATERIAL WAS MOSTLY SAND WITH SOME MUD & CLAY
- DEBRIS FOUND IN SCREENS & DRAGHEADS INCLUDED: TRASH, ROPE, LINE, WOOD, & CLOTH
- Biological species seen: Jelly Fish

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tt</u>	<u>4</u>	<u>Numerous</u>	<u>Near the END OF the JETTY</u>

Observer(s) On Duty: Leslie Sprague / Stacie Knight

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge *PADRE ISLAND* / NATCO
 Freeport Harbor Entrance - USACE, Galveston District - 1996

DAILY REPORT

Date: 4/18/97 Loads: #189 to #204
 Area(s) Worked: N 28°56', W 95°18'
 Weather Conditions: cloudy, seas 3-4', wind 5-10 kts
 Range of H₂O Temperature: Surface 69° F Below Mid-Depth 67° F
 Condition of all screening apparatus: Good

Are there incidents involving endangered or protected species? Yes No

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

- MATERIAL DREDGED WAS MOSTLY SAND WITH SOME MUD & clay
- DEBRIS FOUND IN DRAGHEADS & SCREENS INCLUDED: TRASH, WOOD
- BIOLOGICAL SPECIES SEEN: FISH, JELLYFISH

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T. truncatus</u>	MANY <u>2</u>	<u>MANY</u>	<u>OUTSIDE CHANNEL</u>

Observer(s) On Duty: Stacie Knight / Leslie Sprague

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge PADRE ISLAND / NATCO
 Freeport Harbor Entrance - USACE, Galveston District - 1996

DAILY REPORT

Date: 4/19/97 Loads: # 205 to # 210
 Area(s) Worked: 38° 56' 95° 18'
 Weather Conditions: Cloudy seas calm, Wind 5-10 KTS
 Range of H₂O Temperature: Surface 71° F Below Mid-Depth 68° F
 Condition of all screening apparatus: Good

Are there incidents involving endangered or protected species? Yes No

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

- Material dredged was mud & clay
- DELAY DUE TO Starboard ENGINE
- DEBRIS FOUND IN Dragheads & Screens
 included: metal, rope, wood, TRASH
- Biological species observed: FISH (Flounder),
 JELLY FISH

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			

Observer(s) On Duty: Leslie Sprague / Stacie Knight

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge: PADRE ISLAND / NATCO
Freeport Harbor Entrance - USACE, Galveston District - 1996

DAILY REPORT

Date: 4/20/97 Loads: #211 through #222
Area(s) Worked: N 28° 56' W 95° 18'
Weather Conditions: overcast - p/+cloudy, seas calm-3', wind <5 kts
Range of H₂O Temperature: Surface 71° F Below Mid-Depth 69° F
Condition of all screening apparatus: GOOD

Are there incidents involving endangered or protected species? Yes No

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

Material dredged was mud, clay, & sand.

Debris found in screening included cloth, clay, wood, plastic, trash, nets, & rope.

Biological material included a flounder, unidentified fish, & a jellyfish.

No incidents involving endangered/protected species

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>None</u>			
<u>Ø</u>			

Observer(s) On Duty: Leslie Sprague, Stacie Knight

ADMINISTRATIVE SERVICES DIVISION
Dredge/RADRE-ISLAND/NATCO
Freeport Harbor Entrance - USACE, Galveston District - 1996

DAILY REPORT

Date: 4, 21, 97 Loads: #223 through #229
Area(s) Worked: N 28° 50' W 95° 18'
Weather Conditions: PARTLY cloudy, seas light chop, wind 10-15 kts
Range of H₂O Temperature: Surface 72° F Below Mid-Depth 68° F
Condition of all screening apparatus: Good

Are there incidents involving endangered or protected species? Yes No

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

Material DREDGED WAS MUD, SAND, AND CLAY

DEBRIS FOUND IN DRAG HEAD AND SCREENS
INCLUDES WOOD, TRASH, + Plastic

BIOLOGICAL SPECIES SEEN: SMALL FISH,
BLUE CRABS, + JELLY FISH

NO INCIDENTS involving Endangered or Protected
Species

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>None</u>			
<u>Ø</u>			

Observer(s) On Duty: Leslie Sprague, Stacie Knight

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge PADRE ISLAND / NATCO
Freeport Harbor Entrance - USACE, Galveston District - 1996

WEEKLY SUMMARY

Dates: 4, 14, 197 - 4, 21, 197 Loads: # 127 to # 229
Range of H₂O Temperature: Surface 72° to 67° F Below Mid-Depth 69° to 66° F
Area(s) Worked: N 28° 56' W 95° 18'

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

Comments:

MATERIAL DREDGED WAS MOSTLY MUD +
CLAY WITH SOME SAND.

DEBRIS FOUND IN DRAG-HEAD AND SCREENS
INCLUDED: WOOD, TRASH, PLASTIC, NETS
ROPE

BIOLOGICAL SPECIMENS INCLUDE: FISH,
JELLYFISH, BLUE CRAB

NO INCIDENTS INVOLVING ENDANGERED OR
PROTECTED SPECIES

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T. tawacatus</u>	<u>8</u>	<u>Numerous</u>	<u>OFTEN NEAR END OF JETTIES</u>

Observers On Duty: Leslie Sprague / Stacie Knight