

# 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 2-4 FT  
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  
OBTAINED 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	
		<del>Time</del>	Location and Comments
<u>Tringa incana</u>	<u>18-23</u>	<u>3</u>	<u>IN WORK AREA NEAR</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.

TIDAL 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 10-40 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 <sup>HYDRAULIC</sup> 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, HAIR 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>TERRAPIN TRACHELUS</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 PRTY 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

PRT 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 TUMES</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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

# ENDANGERED SPECIES OBSERVER PROGRAM

## DAILY REPORT

Dredge: Eagle I  
Project: Freeport, TX

Date: 11/19/77 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<sup>+120</sup> 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
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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 MATERIAL  
IS COLLECTED IN THE IN-FLOW SCREENS. DEBRIS INCLUDES 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>			

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 WORSENEED 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>NEPHELES 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 LADDER 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 THE 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 H<sub>2</sub>O 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

COE

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 H<sub>2</sub>O 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 X

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/TERRAPINS</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

CoE

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 H<sub>2</sub>O 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 H<sub>2</sub>O 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 OVCAST, SEAS 2-6', WIND NNW TO E 5-23 KT

Range of H<sub>2</sub>O 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 H<sub>2</sub>O 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

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 H<sub>2</sub>O 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

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 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
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: 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 H<sub>2</sub>O 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 H<sub>2</sub>O 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 H<sub>2</sub>O 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

Species	# of Sightings	# of Animals	Comments
<i>TUCSIOPS TRUNCATUS</i>	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 H<sub>2</sub>O 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