ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - Galveston Bay
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 1/26/97 Loads: 1-5

Area(s) Worked: Stations 560+00 to 460+00

Weather Conditions: skies clear/hazy to dense fog, seas 1-4', winds E 5 kt

Range of H_2O Temperature: Surface NA Below Mid-Depth 55°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.):

Sugar Island departed Freeport Harbor Channel at 0830 with observers Ryder and Sprague on board for transit to Galveston Bay Entrance Channel where dredging of load #1 commenced on arrival at 1300. There were no sightings in transit.

The material dredged was mud/silt with considerable clay in the first load which was dredged overdepth causing immediate impaction of all sampling gear with clay, requiring extensive cleaning. Subsequent loads contained minimal clay, rope and plastic debris. The only marine sample recorded was one spider crab.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
0			None Observed

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

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - Galveston Bay
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 1 / 27 / 97 Loads: 6-17

Area(s) Worked: Stations 560+00 & 460+00 49°18 N 94°37W

Weather Conditions: Fog to partly cloudy/overcast, winds SE→SW calm to 10-15 kt, seas 1-5'

Range of H_2O Temperature: Surface NA Below Mid-Depth NA

Condition of all screening apparatus: Good (Gauges not yet functional)

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

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

Material dredged is mud, silt and some clay, with few debris and no marine samples recorded. Materials from screens and drayheads included: wood, rope, fishing line, clay, plastic debris, netting and trash. There were no sightings or incidents involving endangered species.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
0			None Observed

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

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - Galveston Bay
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 1 / 28 / 97 Loads: 18-23

Area(s) Worked: Stations 560+00 to 460+00 29°18'N 94°37'W

Weather Conditions: overcast, rain, thunderstorms; seas 3-5' → 1-2', wind 25-30kt N → calm

Range of H_2O Temperature: Surface NA Below Mid-Depth NA (No gauge set up yet)

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/silt with some clay and few debris, including rope, plastic debris, cloth, monofilament line and trash. There were no marine samples recorded. There were no sightings or incidents involving endangered species.

Sugar Island went to Port of Galveston for fueling at completion of load #21 and remained at Pier 21 from 0900-1800, resuming dredging with load #22 at 1910.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
0			

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

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - Galveston Bay
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 1 / 29 / 97 Loads: 24-34

Area(s) Worked: Stations 560+00 to 460+00 29°18'N 94°38'W

Weather Conditions: Skies clear to overcast, seas calm to 1-2', wind N-SE calm to 10kt

Range of H_2O 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 is mud, silt and clay with few debris and no marine samples. Clay, monofilament line, netting, rope, wood, plastic debris and trash were removed from screening and dinghead. There were no sightings or incidents involving endangered species.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
0			

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

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - *Galveston Bay*
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 1 / 30 / 97 Loads: 35-45

Area(s) Worked: Stations 560+00 to 460+00

Weather Conditions: skies overcast to clear, seas calm to 1' wind calm to 5kt SE

Range of H_2O Temperature: Surface NA (no gauge) 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, silt and clay with few debris and no marine samples. Screens and dragheads were cleaned of clay, rope, netting, plastic and cloth debris, monofilament line and trash. There were no sightings or incidents involving endangered species

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
0			None Observed

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

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - Galveston Bay
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 1 / 31 / 97 Loads: 46-50 and 95-100 (Load #s changed at #51)
Area(s) Worked: Stations 560+00 to 460+00
Weather Conditions: cloudy to clear skies, seas calm to 2', wind calm to 10 kt SE
Range of H_2O Temperature: Surface 52°F 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, silt and clay. Screens were cleaned of clay, rope, plastic and fabric debris, netting and trash at the completion of each load. Marine samples included one crab. There were no sightings or incidents involving endangered species.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
0			

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

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - Galveston Bay
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 2 / 1 / 97 Loads: 101-109

Area(s) Worked: Stations 360+00 to 460+00

Weather Conditions: Skies partly cloudy to foggy, seas 1-4', winds WSSE 5-15 kts

Range of H_2O Temperature: Surface 51-53°F 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 and silt with considerable clay requiring cleaning of screening during and at the completion of loads. Clay, plastic and cloth debris, rope, monofilament line and trash were removed from screening and draghead. Marine samples included one small, unidentified fish. There were no sightings or incidents involving endangered species.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
0			None observed

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

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

WEEKLY SUMMARY

Dates: 1/26/97 - 2/1/97 Loads: 1-109

Range of H_2O Temperature: Surface 51°-53°F Below Mid-Depth no gauge avail.

Area(s) Worked: N 29°18' W94°37' (stations 460 +00 → 560 +00)

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

Comments:

Arrived in Galveston Bay Ship Channel on 1/26/97 and began dredging load #1 at 1300. There were no sighting/incidents of any species in transit.

Material dredged this week has been mud/silt with considerable amounts of clay packed in the boxes & dragheads on several loads. Other debris found included rope, plastic, trash, netting, line, wood and cloth.
Marine organisms found included a few crabs and an unidentified fish.

On 1/28/97, ship went to dock for fuel at completion of load #21 and resumed dredging load #22 at 1910.

Surface H2O temp. gauge was broken until 1/31/97 so no temp. available until this date. No Below mid-depth gauge avail.

No endangered/protected species incidents or observations this week.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
None observed.			

Observers On Duty: Leslie Sprague, Cheryl Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - Galveston Bay
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 2 / 2 / 97 Loads: 110-119

Area(s) Worked: Stations 560+00 to 460+00

Weather Conditions: Fog w/some clear patches, seas 2-3' wind SE 5-10 kt

Range of H_2O Temperature: Surface 53°F 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, silt and clay. Drayhead teeth were removed to reduce clay content. Screens were cleaned of clay, tape, plastic and cloth debris, monofilament line, nothing, tires and trash. The only marine samples were polychaet worms. There were no sightings or incidents involving endangered species.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
0			

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

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - *Galveston Bay*
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 2/3/97 Loads: 120 thru 129
Area(s) Worked: Stations 400+00 to 560+00
Weather Conditions: fog - patchy fog; seas 2-4', winds SE calm-5kt
Range of H_2O Temperature: Surface 53° F Below Mid-Depth N/A
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/silt with some clay. Debris found in dragheads + boxes included plastic, rope, cloth, netting, line + trash. (No marine organisms)

No protected or endangered species were sighted today.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
None			
∅			

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

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - Galveston Bay
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 2/4/97 Loads: 130 to 140
Area(s) Worked: stations 460+00 → 560+00
Weather Conditions: fog - cloudy, seas calm-3', winds calm-5kts
Range of H_2O Temperature: Surface 54°F Below Mid-Depth N/A
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. Debris in boxes and dragheads included rope, line, cloth, netting & trash. (no marine samples)

NO sightings or incidents involving endangered species.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	1	2	near GB buoy

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

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - Galveston Bay
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 2/5/97 Loads: 141 to 151

Area(s) Worked: Stations 460+00 to 560+00

Weather Conditions: clear, seas 3-5', wind calm-15 kts SE

Range of H_2O Temperature: Surface 54° F Below Mid-Depth N/A

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. Debris in dragheads & boxes included rope, trash, line, plastic & netting (no marine organisms present).

No incidents/sightings of endangered species today.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	1	3	near buoys 3 & 4

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

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - *Galveston Bay*
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 2/6/97 Loads: 152 to 161

Area(s) Worked: Stations 460+00 to 560+00

Weather Conditions: overcast, seas 3-6', wind 5-25 knots

Range of H_2O Temperature: Surface 54° F Below Mid-Depth N/A

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 clay. Debris found in dragheads and boxes included trash, cloth, rope, nets, plastic, line, cable & rocks.

Slight delays today for repairs & traffic.

No endangered species were sighted today.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	1	2	near [redacted] CB buoy

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

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - Galveston Bay
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 2 17 197 Loads: 162-171

Area(s) Worked: Stations 560+00 to 460+00 Loads 162-165; Stations 460+00 to 360+00 Loads 166-171

Weather Conditions: Overcast, seas 2-6', wind NNE 10-30kt

Range of H_2O Temperature: Surface 54°F 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 at Stations 560+00 to 460+00 was mud, silt and clay. Screens were cleaned of clay, rope, plastic and cloth debris, monofilament line, netting and trash. Material dredged at Stations 460+00 to 360+00 was cleaner mud with less clay and fewer debris. There were no marine samples in any load. There were no sightings or incidents involving endangered species.

Sugar Island was at anchor at Bolivar Anchorage B from 0845 to 1400 at the completion of load #165 to on and offload equipment, stores and personnel. Dredging resumed at 1454 at new Stations. Loads between 460+00 to 360+00 have been of shorter duration and cleaner.

Anchorage time utilized to clean all screens of residual rope and fishing line.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
0			None Observed

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

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - Galveston Bay
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 2 / 8 / 97 Loads: 172-186

Area(s) Worked: Stations 460+00 to 360+00 Loads 172-179; Stations 460+00 - 410+00 Loads 180-186

Weather Conditions: skies overcast, seas 1-4', wind N 5-20 kt

Range of H_2O Temperature: Surface 54-55°F * Below Mid-Depth NA

Condition of all screening apparatus: Good

* One reading of 50°F

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

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

Material dredged continues to be cleaner mud with little clay and few debris. Screens were cleaned of clay, rope, monofilament line, netting, plastic and cloth debris and trash. No marine samples were reported. There were no sightings or incidents involving endangered species.

The Sugar Island dredged at Stations 460+00 to 360+00 through load #179 and then dredged Stations 460+00 to 410+00.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	1	2	In transit to disposal area

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

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

WEEKLY SUMMARY

Dates: 2 / 2 / 97 - 2 / 8 / 97 Loads: 110-186

Range of H_2O Temperature: Surface _____ Below Mid-Depth _____

Area(s) Worked: Stations 560+00 to 460+00; Stations 460+00 to 360+00; Stations 460+00 to 410+00

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

Comments:

Material dredged this week continued to be mud, silt and clay with a reduction in clay content following the removal of the dragheads teeth (2/2) and the move to Stations 460+00 to 360+00 after load #165 on 2/7. Sugar Island is currently dredging Stations 460+00 to 410+00 which is mud and silt with very little clay and few debris in dragheads or screening. Screens were cleaned of clay, rope, monofilament line, netting, plastic and cloth debris and trash. The only marine samples reported were polychaete worms in Load #116.

There were 4 sightings of Bottlenose dolphins (Tursiops truncatus) in the work area and no sightings or incidents involving endangered species.

There was minor down time on 2/6 for traffic and repairs. On 2/7 Sugar Island was at anchor in Bolivar Anchorage B from 0845-1400 to on and offload equipment, stores and personnel.

Both forewand baxes required repinning of solid top hatches during this working week. Repairs were conducted in a timely manner.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	4	9	Bottlenose dolphins observed in channel and in transit to disposal area

Observers On Duty: Cheryl Ryder, Leslie Sprague

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - *Galveston Bay*
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 2/9/97 Loads: 187 to 203

Area(s) Worked: Stations 410+00 to 460+00

Weather Conditions: overcast - partly cloudy, seal-4', winds 5-20 N

Range of H_2O Temperature: Surface 53-56°F Below Mid-Depth N/A

Condition of all screening apparatus: GOOD (* ram on STBD AFT box broke & was fixed today; OK for use.)

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

Comments (type of material being dredged, biological specimens, etc.):
Material was mud and clay. Debris in boxes included plastic, rope, net, line, trash & cloth. No marine biological samples taken.

On load #194, ram on STBD AFT box broke. Chief engineer repaired it and it was working at the end of load #195.

No observations or incidents involving protected or endangered species today.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
None sighted			

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

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - Galveston Bay
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 2 / 10 / 97 Loads: 204-220

Area(s) Worked: Stations 460+00 to 410+00

Weather Conditions: Skies overcast to clear, seas 1-3', wind E to N 5-10 kt

Range of H_2O Temperature: Surface 53°F 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, silt and clay with few debris. Screens and dragheads were cleaned of clay, plastic, cloth and metal debris, netting, rope, monofilament line and trash. No marine samples were recorded. There were no sightings or incidents involving endangered species although there were two sightings of Bottlenose dolphins (Tursiops truncatus).

Sugar Island went in to Bolivar Anchorage from 1100-1300 to load on equipment.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	2	5	Bottlenose dolphins in channel

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

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - Galveston Bay
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 2 / 11 / 97 Loads: 221-237

Area(s) Worked: Stations 460+00 to 410+00

Weather Conditions: skies partly cloudy to overcast, seas 1-4', wind N 5-15 kt

Range of H_2O Temperature: Surface 51-54°F 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, silt and clay. Screens were cleaned of clay, rope, monofilament line, netting, plastic, cloth and metal debris. No marine samples were recorded. There were no sightings or incidents involving endangered species.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
0			None Observed

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

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - Galveston Bay
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 2 / 12 / 97 Loads: 238-251

Area(s) Worked: Stations 460+00 to 410+00

Weather Conditions: overcast, rain and thunderstorms, seas to 10' @ dumps, wind E→N 25 kt Severe storm conditions

Range of H_2O Temperature: Surface 52°F 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, silt and clay. Screens and draghends were cleaned of clay, netting, rope, monofilament line, cloth and plastic debris and trash. No marine samples were reported. There were no sightings or incidents involving endangered species. Severe storm conditions persisted throughout the day. Observer Leslie Sprague was replaced by Melissa Crabtree at 0800.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
0			None observed - Poor Visibility

Observer(s) On Duty: Cheryl Ryder, Melissa Crabtree

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - Galveston Bay
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 2 / 13 / 97 Loads: 252-265

Area(s) Worked: Stations 460+00 to 410+00

Weather Conditions: Overcast, seas 2-6', wind N 5-20kt

Range of H_2O Temperature: Surface 52°F 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, silt and clay. Screens and dragheads were cleaned of clay, rope, monofilament line, plastic and cloth debris, netting and trash. No marine samples were recorded. There were no observations or incidents involving endangered species.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
0			None Observed

Observer(s) On Duty: Cheryl Ryder, Melissa Crabtree

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND - Galveston Bay*
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 2 / 14 / 97 Loads: 266-278

Area(s) Worked: Stations 460+00 to 410+00

Weather Conditions: Skies overcast to clear, seas 2-4', wind N 10-20kt

Range of H_2O Temperature: Surface 50-52°F Below Mid-Depth NA

Condition of all screening apparatus: Good
Bolts replaced on Forerunner STBD Box Hatch

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

Comments (type of material being dredged, biological specimens, etc.):
Material dredged was mud, silt and clay. Screens and dragheads were cleaned of clay, rope, monofilament line, netting, tires, plastic and cloth debris and trash. The only marine sample recorded was one eel in load #278. There were no sightings or incidents involving endangered species.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
0			None Observed

Observer(s) On Duty: Cheryl Ryder, Melissa Crabtree

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - Galveston Bay
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 2 / 15 / 97 Loads: 279-287

Area(s) Worked: Stations 409+00 to 510+00, Stations 460+00 to 410+00

Weather Conditions: skies clear, seas 2-3', wind N 5-10 kt

Range of H_2O Temperature: Surface 52°F Below Mid-Depth

Condition of all screening apparatus: good

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

Comments (type of material being dredged, biological specimens, etc.): Material dredged was mud, silt and clay. Screens were cleaned of clay, rope, monofilament line, netting, cloth and plastic debris. Marine samples included flounder and whelk egg cases. There were no sightings or incidents involving endangered species. Loads 279-284 dredged at stations 460+00 to 410+00 while loads 285-287 were dredged at Stations 409+00 to 510+00.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
0			None Observed

Observer(s) On Duty: Cheryl Ryder, Melissa Crabtree

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

WEEKLY SUMMARY

Dates: 2 / 9 / 97 - 2 / 15 / 97 Loads: 187-287

Range of H_2O Temperature: Surface 50-56°F Below Mid-Depth NA

Area(s) Worked: Stations 410+00 to 460+00 (2/9-2/14) ; Stations 409+00 to 510+00 (2/15)

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

Comments: Material dredged was mud, silt and clay. Drag heads and screens were cleaned of clay, rope, netting, monofilament line, plastic, metal and cloth debris and trash. Screens were routinely cleaned of clay mud load. Marine samples recorded included: eel, flounder and whelk egg cases. There were no sightings or incidents involving endangered species. Bottlenose dolphins (Tursiops truncatus) were observed in the work area on 2/10.

The Sugar Island dredged continuously during this working week with minor delays for traffic. On Load # 194 a ram on the STBD AFT Box broke. Repairs were completed at the end of Load # 195.

Observer Leslie Sprague was replaced by Melissa Crabtree on 2/12.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	2	5	Bottlenose dolphins observed in channel

Observers On Duty: Cheryl Ryder, Leslie Sprague, Melissa Crabtree

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND - Galveston Bay*
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 2 / 16 / 97 Loads: 288-292

Area(s) Worked: Stations 409+00 to 510+00

Weather Conditions: Skies clear, seas calm to 1', wind calm to N 5 kt

Range of H_2O Temperature: Surface 53-54°F 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, silt and clay. Screens and drag heads were cleaned of clay, rope, netting, monofilament line, plastic and cloth debris and trash. Marine samples included white shrimp. There were no sightings or incidents involving endangered species.

The Sugar Island went into the Port of Galveston for maintenance at the completion of Load #292, arriving in Port at 1145. All sampling gear was completely cleaned of clay and debris in transit. Observers Ryder and Conbtree off duty at that time to be replaced with new observers when the Sugar Island resumes dredging.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
0			None Observed

Observer(s) On Duty: Cheryl Ryder, Melissa Conbtree

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND - Galveston Bay*
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 2 / 22 / 97 Loads: 293-295

Area(s) Worked: 510+00 → 409+00

Weather Conditions: partly cloudy → clear, seas = 3-4', wind = 5-20k NW

Range of H_2O Temperature: Surface _____ Below Mid-Depth _____

Condition of all screening apparatus: excellent

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

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

Materials retained by screening were: clay, cloth, fishing line, netting, fish hooks, plastics, rubber carpet.

Biological specimens retained by screening were: 1 stingray, 1 small Blue Crab, whelk eggs, Giant Atlantic Cockle and wood.

Loads have averaged 8 cuts per load. Observers clean clay and debris from cages as necessary during cuts.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Jim Henderson, Meghan Piercy

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

WEEKLY SUMMARY

Dates: 2 / 16 / 97 - 2 / 22 / 97 Loads: 288 – 295

Range of H_2O Temperature: Surface 53-54°F Below Mid-Depth N/A

Area(s) Worked: 510+00 → 409+00

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

Comments:

Dredge Sugar Island worked in the Galveston Bay Entrance Channel on 2-16-97, then proceeded to the Galveston dock for repairs which included engine replacement and pump work. Dredging operations resumed on 2-22-97 with two replacement Endangered Species observers: Meghan Piercy and Jim Henderson, who boarded the vessel in the morning of 2-21-97.

Materials retained by screening were: mud, clay, silt, rope, netting, fishing line, plastics, cloth, fish hooks, rubber carpet.

Biological specimens retained by screening were: white shrimp, (1) stingray, (1) (small) Blue Crab, whelk eggs, Giant Atlantic Cockle and wood.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observers On Duty: Meghan Piercy, Jim Henderson

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - Galveston Bay
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 2/23/97 Loads: 296 - 299

Area(s) Worked: 409+00 → 510+00 red side

Weather Conditions: partly cloudy - overcast, seas = 2' - 6', wind = 5k - 25k NW - NE

Range of H_2O Temperature: Surface _____ Below Mid-Depth _____

Condition of all screening apparatus: excellent

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

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

materials retained by screening were clay, rope, plastics, cloth, netting, and fishing line. no biological specimens were retained by screening.

E.S. observers are cleaning clay and debris from screening during dredging.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Meghan Piercy, Jim Henderson

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - Galveston Bay
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 2/24/97 Loads: 300-309

Area(s) Worked: 359+00 → 410+00

Weather Conditions: overcast-rain, Wind= 15-30K NW-NE, seas= 4'-7', 50°F

Range of H_2O Temperature: Surface 56.9 - 57°F Below Mid-Depth 57°F

Condition of all screening apparatus: excellent

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

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

Materials retained by screening were: clay, rope, fishing line, plastics,

Biological specimens were: (1) Red drum and (1) small cockle shell

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	2	4	sightings were at Red bouy #4 and #6
unid. porpoise	1	1	small animal

Observer(s) On Duty: Meghan Pieray, Jim Henderson

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - *Galveston Bay*
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 2 / 25 / 97 Loads: 309-317

Area(s) Worked: 359+00 → 409+00 , 359+00 → 410+00

Weather Conditions: fog, rain, overcast, seas = 2'-6', wind = 5-25 knts, NE - E, 54°F

Range of H_2O Temperature: Surface 55°F - 56°F Below Mid-Depth

Condition of all screening apparatus: excellent

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

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

Materials retained by screening were: clay, mud, tires, plastics, rope, fishing line cloth, wire mesh, netting, aluminum, chain, diving fin,

Biological specimens retained were: Whelk eggs, spider crab (2), lightening whelks,

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	3	5	1 sighted at the dump, all others in the channel.

Observer(s) On Duty: Meghan Pieray, Jim Henderson

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - Galveston Bay
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 2 / 26 / 97 Loads: 318 – 327

Area(s) Worked: 359+00 → 409+00

Weather Conditions: lifting fog, overcast – mostly cloudy, wind = 5-20knots, NE-SE, seas = 1'-4', 54°F-68°F

Range of H_2O Temperature: Surface 56°F – 57°F Below Mid-Depth

Condition of all screening apparatus: excellent

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

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

Materials retained by screening were: clay, mud, cloth, netting, plastic, wood, fishing line, tackle, rope,

Biological specimens were: whelks, atlantic stingray, penshell, wood, angel wing

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	1	3	

Observer(s) On Duty: Meghan Pierce, Jim Henderson

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - Galveston Bay
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 2 / 27 / 98 Loads: 320-336

Area(s) Worked: 359+00 → 409+00

Weather Conditions: partly cloudy → overcast, seas = 1'-4', wind = 3-15 knots E-SE, 58-61°F

Range of H_2O Temperature: Surface 57°F Below Mid-Depth

Condition of all screening apparatus: good. Bolt replaced on starboard aft cage door.

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

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

Materials retained by screening were: Clay, mud, cloth, rope, netting, fishing line, plastics, fiberglass, fishing tackle

Biological specimens retained were: Whelks, moon jelly, wood

USACOE surveyed project area.
Shrimp boats observed in the vicinity.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Meghan Piercy, Jim Henderson

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - Galveston Bay
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 2 / 20 / 97 Loads: 337-345

Area(s) Worked: 409+00 → 359+00

Weather Conditions: overcast → fog, seas = 1'-4', wind = E-SE @ 2-10 knots, 56-68°F

Range of H_2O Temperature: Surface 57-59°F Below Mid-Depth

Condition of all screening apparatus: excellent

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

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

Materials retained by screening were: clay, mud, cloth, netting, plastics, fishing line and tackle, aluminum cans, wire mesh
Biological specimens retained: moonjelly, spider crab, polychaete worms, whelks unidentified gastropod, nemerteans, wood, Giant Atlantic cockle

Water temperatures are taken with an onboard gauge.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Meghan Piercy, Jim Henderson

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - *Galveston Bay*
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 3 / 1 / 97 Loads: 346-350

Area(s) Worked: 409+00 → 359+00

Weather Conditions: partly cloudy → fog, seas = 2'-5', wind = SE-SW @ 10-20 knots, 62°-64°F

Range of H_2O Temperature: Surface 59-60°F Below Mid-Depth ____

Condition of all screening apparatus: excellent

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

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

Materials retained by screening were: clay, rope, tin, plastics, fishing line netting, cloth.
No biological specimens were retained by screening.
Dredge Sugar Island anchored at anchorage for repairs to tanks and a hydraulic line.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	1	3	at red buoy #10 while vessel was enroute from anchorage to work area.

Observer(s) On Duty: ____

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

WEEKLY SUMMARY

Dates: 2 / 23 / 97 - 3 / 1 / 97 Loads: 296 - 350

Range of H_2O Temperature: Surface 55° - 60°F Below Mid-Depth _____

Area(s) Worked: 409+00 → 510+00, 359+00 → 410+00

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

Comments:

Materials retained by screening were: clay, mud, rope, plastics, cloth, netting, fishing line, tires, wire mesh, chains, diving fin, aluminum, fishing tackle, fiberglass and tin.

Biological specimens retained by screening were: Red Drum, small cockles, Lightening whelks, whelk eggs, Spider Crab(3), Atlantic Stingray(1), Penshells, Angel wing, moon jelly, Giant Atlantic Cockles, nemerteans, polychaete worms, wood and (1) unidentified gastropod.

Dredge Sugar Island anchored for repairs to tanks and a hydraulic line on 3-1-97.

Trawlers have been observed regularly in the area.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	7	15	6 of 7 sightings were in the channel and 1 sighting was at the disposal area.
Unidentified porpoise	1	1	small animal sighted on 2-24.

Observers On Duty: Meghan Piercy, Jim Henderson

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - Galveston Bay
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 3 / 2 / 97 Loads: 351 – 356

Area(s) Worked: 446-410, 409-359, 410-377, 410-510

Weather Conditions: fog + clear; seas = 1'-5', wind = SE-SW @ 5-20 knots, 55°F-62°F

Range of H_2O Temperature: Surface 61°-62°F Below Mid-Depth

Condition of all screening apparatus: excellent

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

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

Materials retained by screening were: clay, mud, fishing line, plastics, cloth, tackle, rope, tin, netting, boots, glove, metal

Biological specimens were: whelk eggs, red drum, lightening whelk

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Meghan Piercy, Jim Henderson

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - *Galveston Bay*
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 3 / 3 / 97 Loads: 357-360

Area(s) Worked: 410–510, 374-409,

Weather Conditions: clear, seas = 1-4', wind E-S @ 1-10 knots, 52°F-70°F

Range of H_2O Temperature: Surface 61°–62.6°F Below Mid-Depth

Condition of all screening apparatus: excellent

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

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

Materials retained by screening were: clay, cloth, plastic, fishing line, rope and netting.

Biological specimens retained were: whelk eggs and (1) Cannonball jellyfish.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	2	7	3 observed surfing bow wake of passing freighter

Observer(s) On Duty: Meghan Piercy, Jim Henderson

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - *Galveston Bay*
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 3 / 4 / 97 Loads: 361-366

Area(s) Worked: 510 → 422, 510-410

Weather Conditions: clear → fog, seas = <1' → 3', wind = 0-10 knots E → S, 64°F - 70°F

Range of H_2O Temperature: Surface 61°-63°F Below Mid-Depth _____

Condition of all screening apparatus: excellent

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

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

Materials retained by screening were: clay, mud, rope, cable, shackle, cloth, fishing line and tackle, plastics, metal can, netting

Biological specimens retained by screening were: Whelk eggs

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Meghan Pierce, Jim Henderson

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - *Galveston Bay*
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 3 / 5 / 97 Loads: 367-371

Area(s) Worked: 409-511, 402-395, 355-395, 378-376, 374-380, 532-510, 552-559

Weather Conditions: p/c, overcast, fog, seas = 1'-4', wind = SE + N @ 1-30 knots, 59°-80°F

Range of H_2O Temperature: Surface 62°-63°F Below Mid-Depth

Condition of all screening apparatus: port aft cage door hydraulic ramp weakening hatch doors periodically need replacement bolts

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

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

Materials retained by screening were: clay, mud, cloth, plastics rope, fishing line, netting,

Biological specimens retained by screening were: worms, lightening whelks

ACOE performed survey of channel in the morning.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Meghan Pierce, Jim Henderson

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - Galveston Bay
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 3 / 6 /97 Loads: 372-381

Area(s) Worked: 467-459, 559-552, 559-200, 250-200

Weather Conditions: Clear → overcast, seas = 1'-4', wind = 10-20 knots E-SE, 60°-70°F

Range of H_2O Temperature: Surface 61°-62° F. Below Mid-Depth

Condition of all screening apparatus: Hydraulic ramp of port aft cage door welded. More bolts replaced on forward port hatch door. All else is in excellent condition.

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

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

Materials retained by screening were: clay, plastic rope and cloth. Upon moving dredging operations to station 250+00 → 200+00, materials being dredged consisted of crushed shell and sand. (adios clay). Other objects retained by screening were: plastic, rope, coffee pot, fishing line, shoes, fishing tackle, netting

Lightening whelk, coquina shells, 1 dead rotten unidentifiable fish, 1 Red Drum, and 1 Blue Crab with eggs.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Meghan Piercy, Jim Henderson

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - *Galveston Bay*
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 3 / 7 / 97 Loads: 382-391

Area(s) Worked: 200+00 → 250+00

Weather Conditions: partly cloudy → overcast, seas = 1'-4', wind = 5-20 knots E → SE, 61°-64°F

Range of H_2O Temperature: Surface 60.6°-61.2°F Below Mid-Depth _____

Condition of all screening apparatus: excellent

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

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

Materials being dredged consist of crushed shell and sand.
Other materials retained by screening were: monofilament line and fishing tackle, plastic, gloves, boots, cloth, rubber, frizbee, sandals, electrical wire, rope, netting
Biological specimens retained by screening were: wood, whelks, giant cockles, Blue Crabs w/ eggs, oysters, sanddollar, unidentifiable fish,

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	1	1	enroute from dump site to Work area

Observer(s) On Duty: Meghan Piercy, Jim Henderson

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - Galveston Bay
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 3 / 8 / 97 Loads: 392 → 399

Area(s) Worked: 200+00 → 250+00

Weather Conditions: clear → overcast, seas = 1-3', wind = 3-20 Knots E → SE, 78°F-63°F

Range of H_2O Temperature: Surface 61°-62.5°F Below Mid-Depth

Condition of all screening apparatus: excellent

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

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

Dredged material consists of crushed shell and sand.
Materials retained by screening were: plastic, rope, metal, fishing line and tackle, netting, crab traps, boots

Biological specimens retained by screening were: Wood, Blue Crabs (w/eggs) Spider Crab, whelks, whelk eggs

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	1	1	at Green buoy #9

Observer(s) On Duty: Meghan Piercy, Jim Henderson

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

WEEKLY SUMMARY

Dates: 3 / 2 / 97 - 3 / 8 / 97 Loads: 351-399

Range of H_2O Temperature: Surface 60.6° – 63° F Below Mid-Depth N/A

Area(s) Worked: 410+00 – 510+00, 374+00 – 409+00, 510 – 422+00, 467 – 459, 559 – 200, 200+00 → 250+00

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

Comments:

In all areas worked excluding 200+00 → 250+00, materials retained by screening were: clay, mud, fishing line, plastics, cloth, tackle, rope, tin, netting, boots, metal, gloves, cable.
Biological specimens retained by screening in these areas worked, were: Whelk eggs, Lightening Whelks, Red Drum, Cannonball jellyfish, marine worms,

In area 200+00 – 250+00, the material being dredged consists mainly of crushed shell and sand. Other materials retained by screening were: monofilament fishing line, tackle, plastic, gloves, boots, cloth, rubber, frizbee, sandals, electrical wire, rope, netting, crab traps. Biological specimens retained by screening in this area were: 1 Red Drum, Blue Crabs with eggs, Lightening Whelks, Giant Atlantic Cockles, oysters, sand dollars, Spider Crab, Whelk eggs and wood.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	4	9	3 individuals observed surfing in bow wake of a passing freighter.

Observers On Duty: Meghan Piercy, Jim Henderson

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - *Galveston Bay*
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 3 / 9 / 97 Loads: 400-405

Area(s) Worked: 200+00 → 250+00

Weather Conditions: p/c, hazy; seas = 1'-2', wind = 5-15 knots E, 61°-70°F

Range of H_2O Temperature: Surface 62°-64.3°F Below Mid-Depth N/A

Condition of all screening apparatus: excellent

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

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

Dredged material consists of crushed shell and sand.
Materials retained by screening include: plastic, rope, monofilament line, fishing tackle, rubber, boots, wire, netting, milk crate, cloth, plastic basin.

Biological specimens retained by screening included: Blue Crabs (many w/eggs), whelks, Flounder and wood.

Dredge took on fuel from 07:30 ≅ 13:20

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Meghan Pieray, Jim Henderson

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND - Galveston Bay*
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 3 / 10 / 97 Loads: 406 - 412

Area(s) Worked: 200 → 227, 200 - 250, 358 - 412

Weather Conditions: clear - fog, seas = 1'-2', wind = E → NW @ 0-10 knots 67° - 74°F

Range of H_2O Temperature: Surface 63 - 65.7°F Below Mid-Depth N/A

Condition of all screening apparatus: excellent

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

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

Materials being dredged in this cleanup phase of the project is crushed shell and sand.
Materials retained by screening were: plastic, metal, rubber, netting, cloth, boots, rope, wagon wheel,
Biological specimens retained by screening were: 1 Stingray, Bluecrabs, Whelks, wood.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Meghan Piercy, Jim Henderson

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *SUGAR ISLAND* - Galveston Bay
NATCO / USACE, Galveston District - 1997

DAILY REPORT

Date: 3 / 11 / 97 Loads: 412 - 415

Area(s) Worked: 200 - 227, 218-230

Weather Conditions: fog rain , seas = 1'-2', wind = calm 64°-66° F

Range of H_2O Temperature: Surface 64° - 66°F Below Mid-Depth N/A

Condition of all screening apparatus: excellent

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

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

Materials retained by screening were: plastic, metal, cloth

Biological specimens retained by screening were: Blue Crabs, Whelk, wood.

The last load of the project for this vessel was #415. A small amount of work remains and will be completed at a later Date. Dredge Sugar Island departed GBEC @ approximately 17:30

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Moon Jellyfish	1	≈30	all around vessel while dredging

Observer(s) On Duty: Meghan Piercy, Jim Henderson

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

WEEKLY SUMMARY

Dates: 3 / 9 / 97 - 3 / 11 / 97 Loads: 400 - 415

Range of H_2O Temperature: Surface 63.7° - 64.5°F Below Mid-Depth N/A

Area(s) Worked: 200-227, 200-250, 358-412,

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

Comments:

Material being dredged during this clean up phase of the project has been composed of crushed shell and sand.

Abiotic samples retained by screening included: plastics, rope, monofilament fishing line, fishing tackle, rubber, boots, wire, netting, milk crate, cloth, plastic basin, wagon wheel, and metal.

Biological specimens retained by screening included: Blue Crabs (many with eggs), whelks, flounder, Stingray, Wood

The last load of the project was #415, completed at 16:30 on 3/11.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Moon Jelly fish	1	≈ 30	all around vessel while dredging

Observers On Duty: Meghan Piercy, Jim Henderson