ENDANGERD SPECIES OBSERVER PROGRAM

Dredge Northerly Island - NATCO

Project Brownsville Entrance Channel, Tx.

DAILY REPORT

Date: 1 / 31 / 99 Loads: 1

Area(s) Worked: Stations -6,000 to -12,000

Weather Conditions: Partly cloudy, winds SSE 5-10 kts, seas 1-2'

Range of H_2O Temperature: Surface 67° F / 19.5° C Below Mid-Depth 67° F / 19.5° C

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.): Digging commenced at 204. at the entrance channel of Brazos Santiago Pass. The present section being dug starts at the end of the jetties and continues east for 1 1/4 miles. The channel is 300' wide and runs almost directly east and west. The dumpsite is 1 1/2 miles north of the jetties and is about 1 mile offshor

Water temperature is taken between buoys 2 and 3, three times a da A surface temperature and a below mid-depth is taken. The latitude and longitude of this position is N 26° 03.98 and W 97° 08.51. This position is 1/4 mile east of the jetties 3/4 of a mile offshore and seems to be an area of abundant sea life. The water depth is around 46

Material dredged is a mixture of sand, clay and silt. There are four discharge boxes all with 4 x 4 screening. There is a latch that can be opened so the box can be inspected and a hydraulic door that opens so can be cleaned. There are two observers, working 24 hrs a day. Inflow water is screened 100%.

Material found included whelks, a butterfly ray, rocks, clay and a fishing net.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Lianne Pierrard, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge Northerly Island - NATCO

Project Brownsville Entrance Channel, Tx

DAILY REPORT

Date: 2 / 1 / 99 Loads: 2-4

Area(s) Worked: Stations -6,000 to -12,000

Weather Conditions: Partly cloudy, winds SE 10-15 kts, seas 2-3'

Range of H_2O Temperature: Surface 68°F / 20°C Below Mid-Depth 68°F / 20°F

Condition of all screening apparatus: excellent

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

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

Material dredged is mixture of sand, silt and clay. The discharge boxes had to be inspected and opened several times during each load.

Material found included skates, whelks, rock, seagrass trash and fishing gear.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Lianne Pierrard, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge Northerly Island - NATCO

Project Brownsville Entrance Channel, Tx.

DAILY REPORT

Date: 2 / 2 / 99 Loads: 5-8

Area(s) Worked: Stations -6,000 to -12,000

Weather Conditions: Overcast / Fog, winds E 15 kts, seas calm

Range of H_2O Temperature: Surface 68° F / 20° C Below Mid-Depth 68° F / 20° C

Condition of all screening apparatus: excellent

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

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

Material dredged is a combination of sand, silt and clay. Boxes were inspected and cleaned several times

Several skates, 2 rays, a pufferfish, whelks rocks, sea grass, fishing gear and trash were found in the discharge boxes.

Water temperature varies a few degrees depending upon time of day and tide.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Lianne Pierrard, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge Northerly Island - NATCO

Project Brownsville Entrance Channel, Tx.

DAILY REPORT

Date: 2 / 3 / 99 Loads: 9-10

Area(s) Worked: Stations -6,000 to -12,000

Weather Conditions: Overcast / Fog, winds E 15 kts, seas 2'

Range of H_2O Temperature: Surface 68° F / 20° C Below Mid-Depth 67° F / 19.5° C

Condition of all screening apparatus: excellent

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

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

Material dredged is a mixture of sand silt and clay.

A guiterfish, skates, several rays, whelks rocks and clay were all found in the discharge boxes

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Bottlenosed dolphin (TT)	1	3-5	leaving the Port channel by buoy 26

Observer(s) On Duty: Lianne Pierrard, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge Northerly Island - NATCO

Project Brownsville Entrance Channel, Tx.

DAILY REPORT

Date: 2 / 4 / 99 Loads: 11-16

Area(s) Worked: Stations -6,000 to -12,000

Weather Conditions: Overcast/Fog, winds SE 10 Kts, seas 1-2'

Range of H_2O Temperature: Surface 68° F / 20° C Below Mid-Depth 68° F / 20° C

Condition of all screening apparatus: excellent

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

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

Material dredged is a mixture of sand, silt and clay. Discharge boxes were opened several times during each load.

10-12 butterfly rays, skates, whelks, rock, a porcupine fish, seagrass and trash were all found in the discharge boxes.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Bottlenosed dolphin (It)	4	2-3	spotted near the end of jetties
" "	3	10-12	" "

Observer(s) On Duty: Lianne Pierrard, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge Northerly Island - Natco

Project Brownsville Entrance Channel, Tx.

DAILY REPORT

Date: 2 / 5 / 99 Loads: 17-21

Area(s) Worked: Stations -6,000 to -12,000

Weather Conditions: Partly cloudy, winds SE 10-12 Kts, seas 1-2'

Range of H_2O Temperature: Surface 69°F / 20°C Below Mid-Depth 68°F / 20°C

Condition of all screening apparatus: excellent

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

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

Material dredged is mostly sand with some silt.

Biological material included, rays, skates, a guitarfish, pufferfish, whelks and seaweed.

Water temperature is about 2°F higher during daylight hours.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Bottlenosed dolphin (Tt)			

Observer(s) On Duty: Lianne Pierrard, Peter Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Northerly Island - Natco

Project Brownsville Entrance Channel, Tx.

WEEKLY SUMMARY

Dates: 1 / 31 / 99 - 2 / 5 / 99 Loads: 1-21

Range of H_2O Temperature: Surface 68°F - 70°F / 20°C Below Mid-Depth 67°F - 69°F / 19°C

Area(s) Worked: Stations -6,000 to -12,000

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

Comments: The dredge started work sunday night at the entrance of Brazos Santiago Pass. The dig area is from the end of jetties to an area 1 1/4 miles eastward. Water temperature are taken 3 times a day about 1/4 miles east of the jetties. All of the discharge boxes are screened with 4x4 grates. These boxes can be inspected and cleaned readily. Water inflow is screened the skimmer is not. The dump area is 1 1/2 miles north and about 1 mile offshore.

The material dredged has been a mixture of clay silt and sand. There are small pockets of shell and rock

Biological material has been mostly rays and skates. Butterfly rays have been the most common. 10-15 skates and rays has been the average per day. 5 guitar-fish have been found, most of them are stuck in the draghead. Whelks, rocks, porcipine fish, pufferfish fishing gear and trash have been the most common items found.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observers On Duty: Lianne Pierrard, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge Northerly Island

Project Brownsville Entrance Channel, Tx.

DAILY REPORT

Date: 2 / 6 / 99 Loads: 22-26

Area(s) Worked: Station -6,000 to -12,000

Weather Conditions: Clear, wind SSE 15-20, seas 3-4

Range of H_2O Temperature: Surface 68° F / 20°c Below Mid-Depth 67° F / 19.5°c

Condition of all screening apparatus: excellent

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

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

Dredged material is sand and silt.

Guiterfish and a large ray were stuck in the draghead. Butterfly rays, whelks rocks trash and sea grass were found in the boxes

Good visibility.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Bottlenosed dolphin (Tt)	20+	50-100	seen all day

Observer(s) On Duty: Kianne Pierrard, Pete Westerman

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge Northerly Island

Project Brownsville Entrance

DAILY REPORT

Date: 2 / 7 / 99 Loads: 27 - 31

Area(s) Worked: Stations -6000 to -12000

Weather Conditions: clear, winds SE 5-18 kts, Seas 1-3'

Range of H_2O Temperature: Surface 70°F Below Mid-Depth 68°F

Condition of all screening apparatus: excellent

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

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

Material dredged is a mixture of sand, silt + clay. Boxes were opened + examined several times.

Several skates, 1 ray, rocks, oyster shells, a rubber boot + trash were found in box screens.

Stbd draghead had to be cleaned of a fishing net + log, tire, rope, + rock during the watch.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T+	1	15-20	Jetties
T+	1	20-25	channel
T+	1	6	bouy 2

Observer(s) On Duty: Pete Westerman, Lianne Pierrard

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge Northerly Island

Project Brownsville Entrance Channel, Tx

DAILY REPORT

Date: 2 / 8 / 99 Loads: 32-36

Area(s) Worked: Stations -6,000 to -12,000

Weather Conditions: Clear, winds SE 10-15 Kts, seas 2-3'

Range of H_2O Temperature: Surface 69° F / 20.5c Below Mid-Depth 68° F / 20°c

Condition of all screening apparatus: excellent

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

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

Material dredged is a combination of silt sand and clay.

4 skates, rock, scrap iron and shells were all screened out

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Bottlenosed dolphin	20-25	75-100	dolphins were seen all day
unidentified Billfish	1	1	at the jetties
			jumped twice 1 mile off stbd bow

Observer(s) On Duty: Vlesterman, Pierrard

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge Northerly Island

Project Brownsville Entrance Channel, TX

DAILY REPORT

Date: 2/9/99 Loads: 37 - 41

Area(s) Worked: Sta. -6000 to -12000

Weather Conditions: clear, winds SE 10-15kts, Seas 1-3ft.

Range of H_2O Temperature: Surface 69°F/20°C Below Mid-Depth 69°F/20°C

Condition of all screening apparatus: excellent

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

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

Material dredged consisted of sand + clay.

One skate, rocks, shells, rope, metal scrap, and trash were all caught in the boxes.

Foward stbd box was opened and inspected once during day watch.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T+	2	30-40	Seen at jetties during day.

Observer(s) On Duty: Pierrard, Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Northerly Island

Project Brownsville Channel, Tx.

DAILY REPORT

Date: 2/10 99 Loads: 42-48

Area(s) Worked: Stations -6000 to -12000

Weather Conditions: Skies ~~clear~~ pt cloudy, winds variable 15-22kts, seas 2-4

Range of H_2O Temperature: Surface 70°F/21°C Below Mid-Depth 68°F/20°C

Condition of all screening apparatus: Excellent

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

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

Material dredged consisted of clay, and sand grass, shells, rocks, trash, and 1 skate were found captured in boxes.

Boxes were inspected through trap door twice.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tern	1	15-20	seen @ Jetties

Observer(s) On Duty Parrish, Westerman

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge Northerly Island

Project Brownsville Shipping Channel

DAILY REPORT

Date: 2 / 11 / 99 Loads: 48

Area(s) Worked: Stations -6,000 to -12,000

Weather Conditions: Partly cloudy, winds NW 20-25 Kts, 3'

Range of H_2O Temperature: Surface 69°F / 20.5°C Below Mid-Depth 68°F / 20°C

Condition of all screening apparatus: excellent

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

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

Material dredged is a mixture is sand silt and clay. Sparse debris was located in the boxes.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Pierrard, Westerman

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge Northerly Island

Project Brownsville Shipping Channel, Tx.

DAILY REPORT

Date: 2 / 12 / 99 Loads: no loads

Area(s) Worked:

Weather Conditions: Clear, winds NW 20-30 Kts, seas 3-4'

Range of H_2O Temperature: Surface 68° F / 20° c Below Mid-Depth 68° F / 20° C

Condition of all screening apparatus:

Are there incidents involving endangered or protected species? Yes_____ No_____

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

The ship was at the dock due to repairs and weather.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Pierrard, Westerman

END^NGERD SPECIES OBSERVER PR(,RAM

Dredge Northerly Island

Project Brownsville Shipping Channel, Tx.

DAILY REPORT

Date: 2 / 13 / 99 Loads: no loads

Area(s) Worked:

Weather Conditions:

Range of H_2O Temperature: Surface Below Mid-Depth

Condition of all screening apparatus:

Are there incidents involving endangered or protected species? Yes No

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

The ship was at the dock for repairs.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Westerman, Pierrard

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Northerly Island

Project Brownsville Entrance Channel

WEEKLY SUMMARY

Dates: 2 / 6 / 99 - 2 / 12 / 99 Loads: 22-48

Range of H_2O Temperature: Surface 70°F - 68°F Below Mid-Depth 69°F - 67°F / 20.5°C 19.5°C

21°C - 20°C

Area(s) Worked: Stations -6,000 to -12,000

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

Comments: Material dredged is a combination of sand silt and clay.

Biological material included skates, rays, guiterfish, whelks, sea stars and oyster shells. Fishing gear, trash and rocks are prevalent, along with large amounts of sea grass when the ships digs in a new area.

Water temperature is taken 3 times a day between buoys 2 and 3. The lat lon of this position is N 26° 03.98 W 97° 08.51.

Discharge bokes are cleaned and inspected on average twice a load. Dragheads are inspected once a load.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Bottlenosed dolphin	25-30	200-225	Dolphins are seen frequently around the jetties.
unidentified Billfish	1	1	the fish leaped twice 1 mile E. of the jetties

Observers On Duty: Westerman, Pierrard

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Northerly Island

Project Brownsville Shipping Channel, TX

DAILY REPORT

Date: 2 / 14 / 99 Loads: 49-52

Area(s) Worked: Stations -6000 to -12000

Weather Conditions: clear, winds SE 10-13 knots, seas 1-2 ft

Range of H_2O Temperature: Surface 66°F / 16°C Below Mid-Depth 64°F / 18°C

Condition of all screening apparatus: excellent

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

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

Material being dredged consisted of sand, and clay.

Biological specimens consisted of 20 skates, sea grass clay, shells + mud. Other material found included fishing gear, a fishing net, metal, and trash

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Chelonia Mydas	1	1	Seen surfacing 100 yards outside of jetties in the middle of the channel.

Observer(s) On Duty: Westerman + Pierrard

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Northerly Island

Project Brownsville Shipping Channel, TX

DAILY REPORT

Date: 2 / 15 / 99 Loads: 54-58

Area(s) Worked: Stations -6000 to -12000

Weather Conditions: clear, winds SE 20-25, seas 2-4 ft

Range of H_2O Temperature: Surface 65°F / 18.5°C Below Mid-Depth 65°F / 18.5°C

Condition of all screening apparatus: excellent

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

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

Material dredged consisted of clay, silt + sand.

3 Skates, sea grass, fishing gear, shells, wire, a bag and general trash were found in the boxes upon inspection

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	1	25-30	Seen @ Jetties

Observer(s) On Duty: Pierrard + Westerman

END GERD SPECIES OBSERVER PROGRAM

Dredge Northerly Island

Project Brownsville Shipping Channel, TX

DAILY REPORT

Date: 2/16/99 Loads: 59-62

Area(s) Worked: Stations -6000 to -12000

Weather Conditions: Cloudy, winds E 15-20 kts, seas 2-3 ft

Range of H_2O Temperature: Surface 66°F / 16°C Below Mid-Depth 66°F / 16°C

Condition of all screening apparatus: excellent

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

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

Material dredged consisted of clay, silt, + sand.

Three (3) rays, sea grass, + a fishing net were found in the dredging equipment.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	1	15-20	spotted at Jetties

Observer(s) On Duty: Pierrard, Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Northerly Island

Project Brownsville Entrance

DAILY REPORT

Date: 2 / 17 99 Loads: 63, 64

Area(s) Worked: Stations -6000 to -12000

Weather Conditions: overcast; winds E 8-10kts, Seas 1-2 ft

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

Condition of all screening apparatus: Excellent

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

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

Material being dredged consists of sand, silt and clay.

Among those items found in the boxes were; 2 Skates, sea grass, rocks, + shells.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty Pierrard

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge Northerly Island

Project Brownsville Entrance Channel, TX

DAILY REPORT

Date: 2 / 19 / 99 Loads: 72 - 77

Area(s) Worked: Stations -6000 to -12000

Weather Conditions: clear, winds E 5-15 kts, seas 1-2 ft

Range of H_2O Temperature: Surface 68 °F Below Mid-Depth 67 °F

Condition of all screening apparatus: Excellent

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

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

Material being dredged consists of clay, silt + sand.

Biological specimens include spider crab, shells, clay, grass, blue crab, skates, wood + rocks, + drumfish. Other items found in buxes + draghends consisted of fishing line.

Load 76 may have seen a juvenile turtle on top of dry sand in hopper when dumping load. Was only seen for second so identification is not certain.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty Pierrard, Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Northerly Island

Project Brownsville Entrance Channel

WEEKLY SUMMARY

Dates: 2/13/99 - 2/19/99 Loads: 49-77

Range of H_2O Temperature: Surface 68°F Below Mid-Depth 64°F

Area(s) Worked: stations -6000 to -12000

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

Comments: Material dredged consisted of sand, clay, and silt.

- Items found in boxes caught by the screens consisted of shells, many skates, rocks, sea grass, fishing gear, a net, metal, and one chelonia mydas.
- A detailed report of dead turtle was made + photos were taken.
- Dredging equipment is in good condition. The boat was in dock for 2 full days w/ no dredging activity on those days.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Chelonia Mydas	1	1	Seen surfacing 100 yds outside of jetties in middle of channel
T+			Seen at jetties

Observers On Duty: Pierrard + Westerman.

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge Northerly Island

Project Brownsville Entrance

DAILY REPORT

Date: 2/20/99 Loads: 78 - 88

Area(s) Worked: Stations -6000 to -12000

Weather Conditions: Clear, winds SE 10-15kts, seas 2-3ft

Range of H_2O Temperature: Surface 69°F Below Mid-Depth 67°F

Condition of all screening apparatus: Excellent

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

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

Material dredged consisted of clay, sand + silt.

Shells, clay, skates, fishing line, & butterfly rays were captured in the boxes by the screening.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Pt	1	15-20	seen @ Jetties

Observer(s) On Duty: Westerman, Pierrard

END GERD SPECIES OBSERVER PR('RAM

Dredge Northerly Island

Project Brownsville Entrance

DAILY REPORT

Date: 2 / 21 / 99 Loads: 83

Area(s) Worked: Stations -6,000 to -12,000

Weather Conditions: Overcast, winds NNE 20-35 Kts, seas 3-5'

Range of H_2O Temperature: Surface 68° F Below Mid-Depth 68° F

Condition of all screening apparatus: excellent

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

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

Material dredged is a mixture of clay, silt and sand

Sparse debris was found consisting mainly of shell and rock

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty Westerman, Pierrard

END GERD SPECIES OBSERVER PR(RAM

Dredge Northerly Island

Project Brownsville Entrance Channel

DAILY REPORT

Date: 2 / 22 99 Loads: 84 - 89

Area(s) Worked: Stations -6,000 to -12,000

Weather Conditions: Clear, Winds ESE 15-20 kts, seas 3-4

Range of H_2O Temperature: Surface 67° F Below Mid-Depth 67° F

Condition of all screening apparatus: excellent

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

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

Material dredged is a mixture of sand silt and clay

Sea grass, sea stars, whelks, rays and skates and a catfish were found in the discharge totes.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Bottlenosed dolphin (Tt)		15-20	seen around the jetties

Observer(s) On Duty: Westerman, Pierrard

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge Northerly Island

Project Brownsville Entrance Channel

DAILY REPORT

Date: 2 / 23 / 99 Loads: 90 - 94

Area(s) Worked: Stations -6,000 to -12,000

Weather Conditions: Clear, winds SE 5-10Kts, seas 1-2

Range of H_2O Temperature: Surface 68° F Below Mid-Depth 67°F

Condition of all screening apparatus: excellent

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

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

Material dredged is a mixture of sand silt and clay.

20-25 rays, sea grass and sea stars were found in large quanities. Other debris included fishing gear rocks and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Bottlenosed dolphin	11	30-35	seen all day

Observer(s) On Duty: Westerman, Pierrard

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Northerly Island

Project Brownsville Entrance Channel

DAILY REPORT

Date: 2 / 24 / 99 Loads: 95-100

Area(s) Worked: Stations -6,000 to -12,000

Weather Conditions: Partly cloudy, winds SE 15-20 Kts, seas 2-3'

Range of H_2O Temperature: Surface 67° F Below Mid-Depth 67° F

Condition of all screening apparatus: excellent

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

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

Material dredged is mixture of sand silt and clay

12-15 butterfly rays, skates, whelks, sea grass blue crabs and sea grass were all found in the dragheads and discharge boxes

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
unidentified sea turtle	1	1	surfaced and dove by the north jetty
Bottlenosed dolphin	20+	30+	seen all day

Observer(s) On Duty: Westerman, Pierrard

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Northerly Island

Project Brownsville Entrance Channel

DAILY REPORT

Date: 2 / 26 / 99 Loads: 108 - 112

Area(s) Worked: Stations -6,000 to -12,000

Weather Conditions: Clear / Haze, winds SE 12-15 Kts, seas 2-3

Range of H_2O Temperature: Surface 68° F. Below Mid-Depth 67° F

Condition of all screening apparatus: excellent

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

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

Material dredged is mixture sand, clay and silt.

skates, rays, whelks, sea stars, sea grass and rock were all prevalent.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Bottlenosed dolphin (TT)		30-35	seen by the jetties

Observer(s) On Duty: Westerman, Pierrard

END GERED SPECIES OBSERVER PROGRAM

Dredge Northerly Island

Project Brownsville Entrance Channel, Tx.

WEEKLY SUMMARY

Dates: 2/20/99 - 2/26/99 Loads: 78-112

Range of H_2O Temperature: Surface 69°F 67°F / 20°C Below Mid-Depth 68°F - 67°F / 19

Area(s) Worked: Stations -6,000 to -12,000

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

Comments:

Material dredged consisted of clay silt and sand.

The most prevalent items found in the discharge boxes have been skates, rays, whelks, sea stars sea grass. Catfish, flounder and other assorted fish are occasionally found. Having several rays stuck in the dragheard is common. Fishing gear, trash, rock and clay are seen almost every load.

One sea turtle was seen as it briefly surface near the jetties.

The were no incidents.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Bottlenosed dolphin (Tt)	50	100-125	Dolphins are seen throughout th day. They are very common at t end of the jetties
Unidentified Sea turtle	1	1	the animal surfaced by the north jetty.

Observers On Duty: Westerman, Pierrard

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge Northerly Island

Project Brownsville Entrance Channel

DAILY REPORT

Date: 2 / 27 / 99 Loads: 113 - 117

Area(s) Worked: Stations -6,000 to -12,000

Weather Conditions: Clear, Winds SE 15-20 Kts, Seas 3-4

Range of H_2O Temperature: Surface 69° F Below Mid-Depth 68°

Condition of all screening apparatus: excellent

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

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

Material being dredged consisted of clay, silt + sand.

Clay, rocks, rays, trash, & wood were among the items caught in the discharge boxes. Fishing line, tires, clay, and various items of trash were found in the dragheads.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	2	25-30	Seen @ the jetties

Observer(s) On Duty: Westerman, Pierrard

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge Northerly island

Project Brownsville Entrance, TX

DAILY REPORT

Date: 2/28/99 Loads: 118 - 123

Area(s) Worked: Stations -6000 to -12000

Weather Conditions: Pt. Cloudy, winds N 15-20kts, seas 1-2'

Range of H_2O Temperature: Surface 70°F Below Mid-Depth 70°F

Condition of all screening apparatus: Good - Port fwd box lower rod guide is broken.

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

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

Material dredged consisted of clay, silt + sand.

Items caught in boxes consisted of rays, whelks, grass, clay, skates and miscellaneous pieces of trash.

The draheads were often clogged with clay. ~~with~~ Various pieces of trash + cable were also being caught in the draghead.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T	1	20-25	Observed at Jetties

Observer(s) On Duty: Pierrard, Westerman

x

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge Northerly Island

Project Brownsville Entrance.

DAILY REPORT

Date: 3 / 01 / 99 Loads: 124 - 128

Area(s) Worked: stations -6000 to -12000

Weather Conditions: clear, W 12kt winds, seas 2-3'

Range of H_2O Temperature: Surface 70°F Below Mid-Depth 69°F

Condition of all screening apparatus: good - lower rod guide on port forward box is broken

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

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

Material being dredge consisted of clay, silt + sand

Sea grass, clay balls, rocks, and rays were caught by the box screens.

The draghands needed to be cleared of clay at the end of every load.

There were no incedents + no sightings of other species.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Pierrard, Westerman

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge Northerly Island

Project Brownsville Entrance

DAILY REPORT

Date: 3/2/99 Loads: 129 - 130

Area(s) Worked: Stations -6000 to -17000

Weather Conditions: clear winds W 12-15 kts, Seas 2-3'

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

Condition of all screening apparatus: good - port fwd rear guide is broken

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

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

Material dredged consisted of clay, silt + sand.

Clay was the most prevalent material being caught in boxes. In addition, shells, sea grass, a piece of rope + turtle flipper were screened out.

The turtle flipper was identified as that of a green sea turtle. It was found in the port fwd box and an incident report was filled out.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Pierrard

X

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge Northerly Island

Project Brownsville Entrance

DAILY REPORT

Date: 3 / 3 / 99 Loads: 13 /

Area(s) Worked: stations -6000 to -12000

Weather Conditions: clear, winds E 21, seas 6-8'

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

Condition of all screening apparatus: _____

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

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

Material dredged consisted of silt, sand and clay.

Clay, trash, + rocks were caught by the screening of the boxes.

Due to heavy seas dredging only lasted 15 minutes.

There were no incidences w/ endangered species -

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Pierard

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Northerly Island X

Project Brownsville Entrance

WEEKLY SUMMARY

Dates: 2/27/99 - 3/3/99 Loads: 113-131

Range of H_2O Temperature: Surface 70°F Below Mid-Depth 68°F

Area(s) Worked: Stations -6000 to -12 0000

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

Comments: Material dredged consisted of clay, sand + silt.
Clay was often found clogging the draghead.
Found in the boxes caught by the screening was clay balls, rocks, trash, wood, grass, rays, whelks, + skates.
A green sea turtle flipper was found in load 130 in the port fixed box, an incident report was filled out.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
1+	3	25-30	Observed at the Jetties

Observers On Duty: Pierrard, Westerman