ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *EAGLE 1* - Brownsville Harbor, TX
USACE, Galveston District

DAILY REPORT

Date: 6 / 9 / 97 Loads: ~~294 - 299~~ # 299 - 303

Area(s) Worked: - 6000 to -12000

Weather Conditions: PARTLY CLOUDY - CLEAR, WIND SE 5-10K, SEA 2-4' SWELL

Range of H_2O Temperature: Surface N/T Below Mid-Depth N/T

Condition of all screening apparatus: GOOD. STBD AFT DISCHARGE [illegible] REQUIRED FLUSHING ON LOAD #295.

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

Comments (type of material being dredged, biological specimens, etc.):
T. COLE ARRIVED ON DREDGE AT 12:05. S. KNIGHT ARRIVED ABOARD AT 15:30.

DREDGED MATERIAL IS FINE SAND, MUD & CLAY. SOME CORAL HEADS.

BIOLOGICAL SPECIMENS INCLUDE: 1 [illegible] & 1 FLOUNDER.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
BOTTLENOSE DOLPHIN	2	13	GROUP OF 10 AT [illegible], 200 [illegible] FROM DREDGE.

Observer(s) On Duty: T. COLE & S. KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *EAGLE 1* - Brownsville Harbor, TX
USACE, Galveston District

DAILY REPORT

Date: 6 / [illegible] / 96 Loads: ~~306 - 315~~ 304 - 314

Area(s) Worked: -6000 TO -10000 (27° 03N / 97° 08W)

Weather Conditions: CLEAR, WIND S - SE 5-10 K, SEAS 2 - 4' SWELL

Range of H_2O Temperature: Surface 81° F * Below Mid-Depth 78° F *

Condition of all screening apparatus: GOOD.

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

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

DREDGED MATERIAL IS FINE SAND, MUD & CLAY

BIOTICS INCLUDE 4 RAY, 1 EEL, SHELLS, & 1 BLUE CRAB

ABIOTICS INCLUDE WOOD, PLASTICS, NET & CABLE

* SURFACE TEMP TAKEN FROM NOAA BOY 200 mi E. BELOW MID-DEPTH TAKEN FROM SHIP'S WATER INTAKE THERMOMETER IN CONTROL ROOM

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
BOTTLENOSE DOLPHIN	3	14	SEEN IN CHANNEL & AROUND JETTIES.

Observer(s) On Duty: T. COLE & S. KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *EAGLE 1* - Brownsville Harbor, TX
USACE, Galveston District

DAILY REPORT

Date: 6 / 11 / 97 Loads: # 315 - 323

Area(s) Worked: -6000 TO -12000

Weather Conditions: PARTLY CLOUDY - CLEAR, WIND SE 5-10, SEA 2-3' SWELL

Range of H_2O Temperature: Surface _____ Below Mid-Depth 80 - 85° F

Condition of all screening apparatus: GOOD

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

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

DREDGED MATERIAL IS FINE SAND, MUD & CLAY

BIOTIC SPECIMENS INCLUDE: 2 BLUE CRAB, 4 STING RAY, 2 WHELK, 1 SKATE

ABIOTICS INCLUDE: CHAIN, CABLE, METAL SCRAP & PLASTIC

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
BOTTLENOSE DOLPHIN	2	6	BOTH SIGHTINGS N OF CHANNEL.

Observer(s) On Duty: T. COLE & S. KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *EAGLE 1* - Brownsville Harbor, TX
USACE, Galveston District

DAILY REPORT

Date: 6 / 12 / 97 Loads: # ~~325 - 331~~ # 324 - 330

Area(s) Worked: - 6000 TO - 12000

Weather Conditions: CLEAR - PARTLY CLOUDY, WIND SE - S 10-12K, SEAS 2-4'

Range of H_2O Temperature: Surface _____ Below Mid-Depth 81 - 82° F

Condition of all screening apparatus: GOOD. STBD AFT DISCHARGE SCREENING OPENED 5-6 TIMES TO FLUSH OUT CLAY BALLS.

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

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

DREDGED MATERIAL IS FINE SAND, MUD & CLAY

BIOTIC SPECIMENS INCLUDE: 3 SMOOTH BUTTERFLY RAY, 7 STINGRAY, SHELLS,

ABIOTICS INCLUDE: PLASTIC TRASH, TIRE & CABLE

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
BOTTLENOSE DOLPHIN	3	23	GRP OF 8 CAME W/IN 80m OF DREDGE AT 1127.

Observer(s) On Duty: T. COLE & S. KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *EAGLE 1* - Brownsville Harbor, TX
USACE, Galveston District

DAILY REPORT

Date: 6 / 13 / 97 Loads: ~~# 332 - 338~~ #332 - 337

Area(s) Worked: -6000 TO -12000

Weather Conditions: CLEAR - PARTLY CLOUDY, WIND S 11-18, SEAS 3-4' SWELL

Range of H_2O Temperature: Surface _____ Below Mid-Depth 81 - 82° F

Condition of all screening apparatus: GOOD. STBD AFT DISCHARGE SCREEN REQUIRED FLUSHING SEVERAL TIMES DUE TO CLAY BALLS

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

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

1 LOGGERHEAD SEA TURTLE (CARETTA CARETTA) RECOVERED IN LOAD #336. HEAD, FRONT FLIPPERS & FORWARD MARGIN OF SHELL RECOVERED ONLY. ESTIMATED CARAPACE SIZE: 69 cm X 55 cm. SEE ATTACHED INCIDENT REPORT

DREDGED MATERIAL IS FINE SAND, MUD & CLAY.

BIOTIC SPECIMENS INCLUDE: 7 BLUE CRABS, 4 UNIDENTIFIED STING RAYS, & SHELLS.

ABIOTICS ROPE & PLASTIC TRASH

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
BOTTLENOSE DOLPHIN	9	32	A GROUP OF 2 CAME W/IN 40 m OF DREDGE

Observer(s) On Duty: T. COLE & S. KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *EAGLE 1* - Brownsville Harbor, TX
USACE, Galveston District

DAILY REPORT

Date: 6 / 14 / 97 Loads: # 338 – # 339

Area(s) Worked: [illegible]

Weather Conditions: [illegible]

Range of H_2O Temperature: Surface [illegible] Below Mid-Depth 81° 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.): [illegible] DREDGED IS FINE SAND, MUD + CLAY

BIOTIC SPECIMENS INCLUDE 8 BUCCINUM 2 RAY

ABIOTICS [illegible] CABLE [illegible], ROPE

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: T. COLE & S. KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *EAGLE 1* - Brownsville Harbor, TX
USACE, Galveston District

WEEKLY SUMMARY

Dates: 6 / 9 / 97 - 6 / 14 / 97 Loads: #299 - 337

Range of H_2O Temperature: Surface N/T - THERM. BROKE Below Mid-Depth 78° - 85° F

Area(s) Worked: -6000 TO -12000 (26° 03 W / 97° 08 W)

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

Comments:
1 LOGGERHEAD SEA TURTLE (CARETTA CARETTA) FOUND IN STBD AFT DISCHARGE SCREEN BETWEEN CUTS DURING LOAD # 335. HEAD, FRONT FLIPPERS & FORWARD MARGIN OF SHELL RECOVERED ONLY. SEE INCIDENT REPORT OF 6/13/97

DREDGED MATERIAL WAS FINE SAND, MUD & CLAY

BIOTIC SPECIMENS INCLUDED: 2 SKATE, 1 FLOUNDER, 4 RAYS, 1 EEL, 18 BLUE CRAB, 17 STINGRAY, 2 WHELK, 3 SMOOTH BUTTERFLY RAY, & SOME SHELLS.

ABIOTICS INCLUDED: WOOD, PLASTICS, NET, CABLE, METAL SCRAP, CHAIN, TIRE & ROPE

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
BOTTLENOSE DOLPHIN	19	88	2 GROUPS APPROACHED W/ IN 100m OF DREDGE.

Observers On Duty: T COLE & S. KNIGHT