ENDANGERED SPECIES OBSERVER PROGRAM

SEA TURTLE INCIDENTAL TAKE DATA FORM

USACE DISTRICT: GALVESTON

PROJECT NAME: HOUSTON SHIP CHANNEL DREDGE NAME: BE LINDHOLM

DATE: 12 JULY 2004 Time turtle take recovered (24hr): 2010 Turtle take # for project: 1

LOAD #: 13 Times (24hrs): Start 1657 End 1821 Load start date 12 JULY 2004

SPECIES OF TURTLE TAKE: (Unknown) Loggerhead Green Kemp's ridley Hawksbill Leatherback

Channel location of take: Latitude 29° 27.800 N Longitude 94° 50.960 W

Other location / Channel description (e.g. buoy markers, landmarks): BETWEEN BUOYS 41/42 AND 45/44

Location take recovered on dredge: OVERFLOW SCREENING

Number of dragheads in use at time of incident: 2 Draghead deflector? YES ✓ NO ___

Condition of deflector: EXCELLENT Condition of screening: EXCELLENT

Beaufort Sea State: 0 1 2 (3) 4 5 6 7 8 9 10 11 12

AIR TEMP: 91 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 87 °C/(F) Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

Condition of specimen: # 4. DISTINCTLY AGED; BONE IS DARK AND CORRODED AND HEAVILY STAINED; NO ODOR PRESENT; MARINE ORGANISMS ATTACHED TO BONE

0 = Alive; 1 = Fresh dead; 2 = Moderately decomposed; 3 = Severely decomposed; (4 = skeleton/old bone); 5 = undetermined

Sex: M F (UN) How determined? ___ Age class: Juv ✓ Sub-Adult ___ Adult ___ UN ___

Measurements: Circle units

Plastron Length:	___ cm/in	Head Width:	___ cm/in
Carapace Straight Length:	___ cm/in	Plastron Width:	___ cm/in
Carapace Curved Length:	___ cm/in	Carapace Straight Width:	___ cm/in
		Carapace Curved Width:	___ cm/in

Measurement/description of part: 10.2 CM LONG 7.6 CM WIDE - SEE DRAWING

Genetic samples taken: YES ___ NO ✓ Photos taken: YES ✓ NO ___

Turtle tagged?: YES ___ NO ✓ Tag type: NA Tag #: NA Tag date: NA

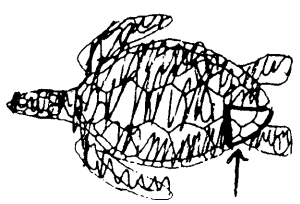
Final disposition of specimen: DISPOSED OVERBOARD AT DUMP AREA OFFSHORE

Comments: UNMISTAKABLY AGED RIB OF JUVENILE TURTLE - SP. UNKNOWN. AGE EVIDENCED BY DARK MUD STAINS, LACK OF ODOR, AND ATTACHMENT OF MARINE INVERTEBRATES TO BONE. * DOES NOT REPRESENT RECENT MORTALITY *

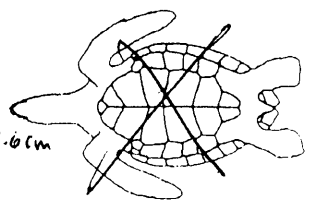
Load data form attached: YES ✓ NO ___ Dredge load log attached: YES ___ NO ✓

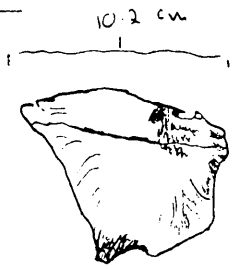
Observer's name GARY SUNOIN

Use diagrams below to illustrate specimen/part recovered:



INNER SURFACE (CONCAVE)





OUTER SURF (CONVEX)

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: GALVESTON

CONTRACT #: DACW64-01-C-0030 Maintenance ___ /New Work ✓ PROJECT start date 10 JULY 2004

PROJECT NAME: HOUSTON SHIP CHANNEL DREDGE NAME: BE LINDHOLM

DREDGE FIRM: WEEKS MARINE

LOAD #: 13 LOAD start date: 12 JULY 2004 Times (24hrs): Start 1657 End 1821

Condition of screening : Port Good Starboard Good Overflow Good

Number of dragheads in use: 2 Type of dragheads used: MUDTYPE IHC Size of dragheads: 5 X 7 Feet

Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: DARK SAND & MUD

Weather conditions: CLEAR & SUNNY

Tidal stage (CIRCLE ONE): Slack Rising High (Falling) Low Unknown

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3 = 7-10 knot/ 2 ft)	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-3 ft Wind (speed & direction): NNW @ 15 Kts.

AIR TEMP: 91 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 87 °C/(°F) Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE						
✓	Inflow screening:	None	25%	50%	75%	(100%)
✓	Overflow screening:	None	25%	50%	75%	(100%)
✓	Other screening:	None	25%	50%	75%	(100%)

~~PORT SCREEN CONTENTS~~: FORE:

MID:

~~STARBOARD SCREEN CONTENTS~~:

AFT:

Estimate number entrained on this load for the following:

Sturgeon (any species) ___

Shark (any species) ___

Horseshoe crab ___

Blue crab ___

TURTLE OR TURTLE (PARTS) PRESENT THIS LOAD: YES ✓ NO ___

SPECIES OF TURTLE TAKE: (Unknown) Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: AGED & STAINED RIB OF UNKNOWN TURTLE ON OVERFLOW -BONE SHOWS DISTINCT EVIDENCE OF PROLONGED BOTTOM TIME - See Report

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: GARY SUNOW Observer firm REMSA INC.

Observer signature ___