ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Padre Island

Project Brunswick Harbor Deepening, GA

Date: 3/28/04

Load # 02 Times: Start 0537 End 0917 Dump 0953

Location(lat/long) Sea buoy to 1st set of buoys Tide Flooding

Weather Winds light airs, seas calm

H_2O Surf.Temp 60°F Time 605 Below Mid-Depth 59° Time 608 C or (F) (circle one)

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

Port Draghead: Trash Deflector: Good

Stbd Draghead: Clay Deflector: Good

Port Discharge, Fore: horseshoe crab

Port Discharge, Aft: Clay, rock, shell

Stbd Discharge, Fore: shell, horseshoe crabs, wood, trash

Stbd Discharge, Aft: Kemps Ridley sea turtle

Port Overflow: Horseshoe crabs, trash

Stbd Overflow: Wood

Comments: During the load at 0830 a Kemps Ridley sea turtle was sighted in the aft discharge box. The turtle was injured but alive. The turtle was documented and efficiently brought to shore to a rehabilitation turtle center for treatment. From the captain and all personnel aboard were very helpful. Brad Winn for GA DNR took possession of turtle when it reached shore.

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
			NO sightings

Observer(s) On Duty: ERIC Westerman

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LOAD DATA FORM

USACE DISTRICT: Savanna GA
CONTRACT #: 5083 **Maintenance** ___ **/New Work** X **PROJECT start date** 3-28-04
PROJECT NAME: Brunswick GA **DREDGE NAME:** Padre Island
DREDGE FIRM: Bean - Stuyvesant
LOAD #: 02 **LOAD start date:** 3-28-04 **Times (24hrs): Start** 0537 **End** 0917

Condition of screening: **Port** Good **Starboard** Good **Overflow** Good

Number of dragheads in use: 2 **Type of dragheads used:** new style **Size of dragheads:** 8-6
Draghead deflector? YES X **NO** ___ **Condition of deflector:** Good

Type of material dredged: Sand, silt, clay

Weather conditions: Winds light airs, sea calm

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: 2 **ft** **Wind (speed & direction):** Light airs

AIR TEMP: 67 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 60 °C/°F **Column (mid-depth)** 59 °C/°F **Bottom** 58 °C/°F

SCREEN TYPE

100% **Inflow screening:**	None	25%	50%	75%	100%
50% **Overflow screening:**	None	25%	50%	75%	100%
none **Other screening:**	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: horseshoe crabs, trash, clay

STARBOARD SCREEN CONTENTS: Kemp's ridley, horseshoe crabs.

Estimate number entrained on this load for the following:

Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab 4
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES X **NO** ___

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

Comments: Live

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

Observer's name: ERIC Westerman **Observer firm** Coastwise consulting
Observer signature [signature]