ENDANGERED SPECIES OBSERVER PROGRAM

SEA TURTLE INCIDENTAL TAKE DATA FORM

USACE DISTRICT: Jacksonville, FL

PROJECT NAME: Mayport - Entrance Channel 3 Turning Basin. **DREDGE NAME:** Liberty Island

DATE: 5 May 2011 **Time turtle take recovered (24hr):** ~2343 **Turtle take # for project:** 2

LOAD #: 29 **Times (24hrs): Start** 2132 **End** 2333 **Load start date** 5 MAY 2011

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

Channel location of take: Latitude 30°23.762 N **Longitude** 081° 24.479 W

Other location / Channel description (e.g. buoy markers, landmarks): Found while dredge was enroute to dump site. Digging occured in Navy Basin 3 entrance to Basin.

Location take recovered on dredge: Aft overflow Screen

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

Condition of deflector: Good **Condition of screening:** Good

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

AIR TEMP: 67 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 73 °C/°F **Column (mid-depth)** — °C/°F **Bottom** — °C/°F

Condition of specimen: Alive, taken whole, Abrasions on head, carapace, and flippers, plastron. Active & breathing.

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***

Head Width:	5 cm/in		
Plastron Length:	216.7 cm/in	**Plastron Width:**	24.1 cm/in
Carapace Straight Length:	— cm/in	**Carapace Straight Width:**	— cm/in
Carapace Curved Length:	29 cm/in	**Carapace Curved Width:**	25 cm/in

Measurement/description of part: ___

Genetic samples taken: YES ___ **NO** X **Photos taken: YES** X **NO** ___

Turtle tagged?: YES ___ **NO** X **Tag type:** — **Tag #:** — **Tag date:** —

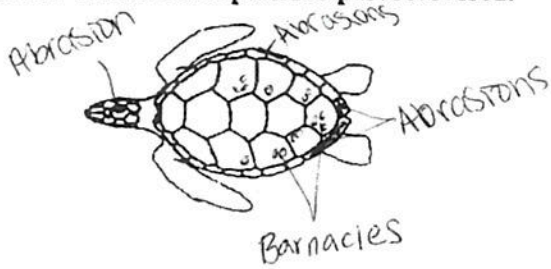
Final disposition of specimen: ___

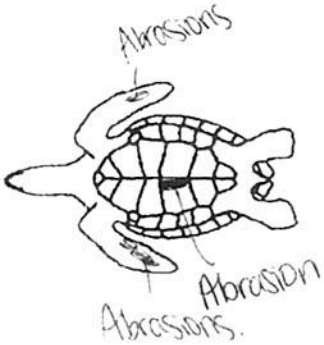
Comments: Inflow Screen door was open during digging per Army Corps, because digging up lots of clay. Turtle kept in crate with wet towels.

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

Observer's name J. Drenth / D. GANTT

Use diagrams below to illustrate specimen/part recovered:



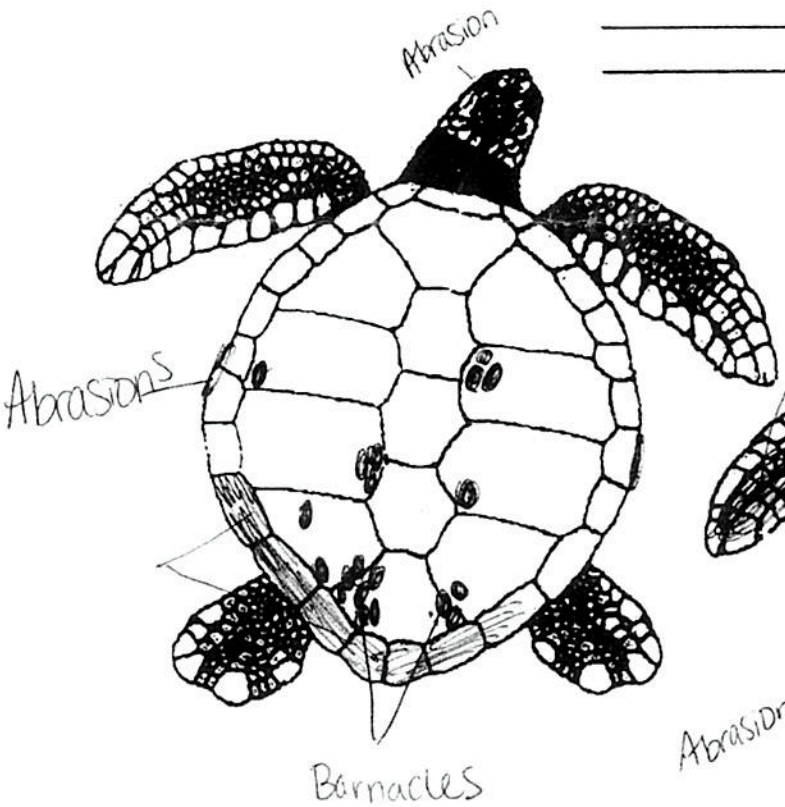


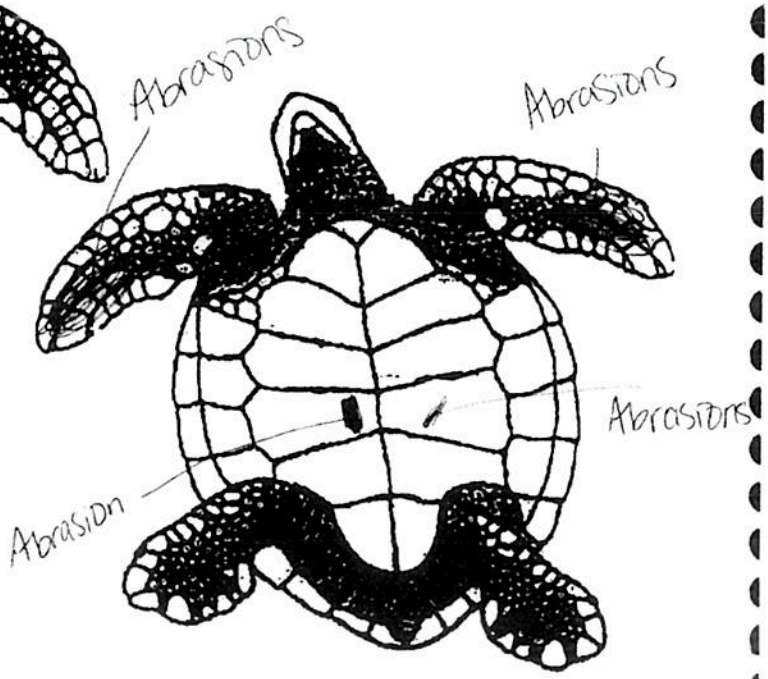
Green turtle (*Chelonia mydas)*

Shade areas of turtle that are missing; sketch cracks and lacerations

Comments: Abrasions to top of head and plastron
Barnacles on carapace. Abrasions
to base of carapace & under flippers
No tags found.

Taken whole, alive & active when
found on Aft overflow Screen.





Diagrams by Tom McFarland

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville, FL

CONTRACT #: W912EP-10-C-0038 **Maintenance** X **/New Work** _____ **PROJECT start date** Apr 16, 2011

PROJECT NAME: Entrance Channel & Turning Basin, U.S. Naval Station Mayport **DREDGE NAME:** Liberty Island

DREDGE FIRM: GLDD

LOAD #: 29 **LOAD start date:** 5-May-11 **Times (24hrs): Start** 2132 **End** 2333

Condition of screening : ~~Port~~ MIDSHIP Good ~~Starboard~~ _____ **Overflow** Good

Number of dragheads in use: 2 **Type of dragheads used:** GLDD **Size of dragheads:** 900mm

Draghead deflector? YES ✓ **NO** ____ **Condition of deflector:** _____

Type of material dredged: SAND / CLAY

Weather conditions: Mostly clear

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 **ft Wind (speed & direction):** ENE @ 5-9 kts

AIR TEMP: 67 °C (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 73 °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%**

MIDSHIP ~~PORT~~ **SCREEN CONTENTS:** Rope, line, Rocks, metal, plastic tubing

OVERFLOW ~~STARBOARD~~ **SCREEN CONTENTS:** wood, Clay, plastic, Sea Turtle.

Estimate number entrained on this load for the following:

Sturgeon (any species) _____

Shark (any species) _____

Horseshoe crab 4 dead.

Blue crab 3

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ✓ **NO** _____

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

Comments: DRAGHEAD: Clay
Alive green turtle found on Aft overflow screen.

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

Observer's name: D. Gantt / J. Drenth **Observer firm** REMSA, Inc.

Observer signature [signature]