ENDANGERED SPECIES OBSERVER PROGRAM

SEA TURTLE INCIDENTAL TAKE DATA FORM

Project Name: Cape Henry Channel **USACE District:** Norfolk, VA
Dredge Name: Padre Island **Dredge Firm:** GLDPD

DATE: 7/18/06 **Time turtle take recovered (24hr):** 0605.0 **Turtle take # for project:** 1

LOAD #: 151 **Times (24hrs): Start** 0312 **End** 0645 **Load start date** 07/18/06

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

Channel location of take: Latitude 36°58.502 N **Longitude** 75°59.873 W
Other location / Channel description (e.g. buoy markers, landmarks):

Location take recovered on dredge: port - forward & aft screens

Number of dragheads in use at time of incident: 2 **Draghead deflector?** YES X 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: 78 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 70 °C/°F **Column (mid-depth)** — °C/°F **Bottom** — °C/°F

Condition of specimen: fresh kill/take, no odor

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** X

Measurements: Circle units

		Head Width:	N/A cm/in
Plastron Length:	cm/in	**Plastron Width:**	cm/in
Carapace Straight Length:	cm/in	**Carapace Straight Width:**	cm/in
Carapace Curved Length:	cm/in	**Carapace Curved Width:**	cm/in

Measurement/description of part: Parts not measured individually. Refer to photos w/ scale.

Genetic samples taken: YES X NO ___ **Photos taken:** YES Y NO ___
Turtle tagged?: YES ___ NO X **Tag type:** ___ **Tag #:** ___ **Tag date:** ___
Final disposition of specimen: Parts were bound with wire and weighted. Thrown overboard shortly after leaving dump site - Tissue sample taken w/ copy of incident form.

Comments:

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

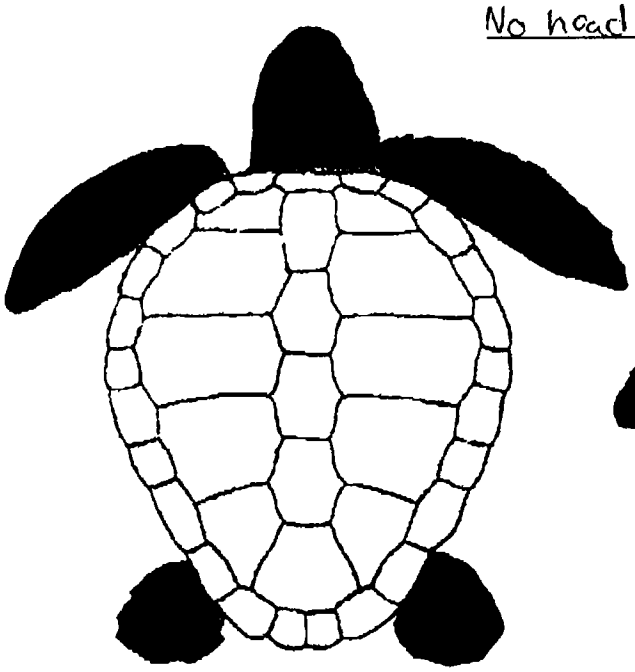
Observer's name Nathan Schwalen
NATHAN SCHWALEN

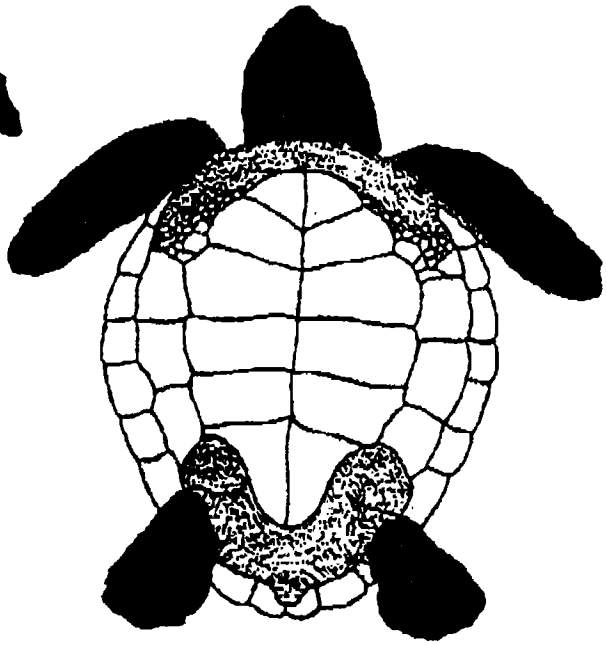
Use diagrams below to illustrate specimen/part recovered: # See photos

Loggerhead (*Caretta caretta)*

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

Comments: Pictures taken of parts. Unable to determine exact location/position of parts on either carapace or plastron. Parts represented approximately 25% of carapace and approximately 10% of plastron. One piece had vertebral scutes of carapace, included a section of vertebrae from spinal column. No head or flippers were found.





Diagrams by Tom McFarland

Date: Thursday, July 20, 2006

Pages including cover: 4

To: Joel Scussell, USACE Norfolk
Fax: 757-201-7322

From: Nathan Schwalen
Marcy Lee
Sea Turtle Observers
Dredge Padre Island, Norfolk, Va.

Joel,

Attached, you will find a load sheet and incident report for a loggerhead head found this morning. The specimen had a slight odor of decomposition. Marcy and I suspect that it could be from the turtle (parts) discovered on the 18th (load 151). DNA samples were collected for each incident. If you have any additional questions, please call me at 720-219-3776.

Thank You.

Nathan

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Cape Henry Channel **USACE District:** Norfolk, VA

Dredge Name: Padre Island **Dredge Firm:** GLDD

Date 07 / 20 / 06 **LOAD #:** 155

Times (24hrs): Start 0643 **End** 0949 **Dump** 1053

Location, Lat/Long: N 36° 58 .540 **W** 75° 59 .840

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

Number of dragheads in use: 2 **Type of dragheads used:** Single Visor **Size of dragheads:** 6'
Draghead deflector? YES ✓ **NO** ___ **Condition of deflector:** good

Type of material dredged: Sand / Silt
Weather conditions: Clear

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

Beaufort Sea States (Enter BSS 1-8) ___ **Wave Height:** 3-5' swells ft

Wind (speed & direction): W @ 10~~mts~~-15kts **AIR TEMP:** 78 °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%

PORT SCREEN CONTENTS: Ø

STARBOARD SCREEN CONTENTS: part of head from loggerhead, skate

Estimate number entrained on this load for the following:
- Sturgeon (any species) Ø
- Shark (any species) Ø
- Horseshoe crab Ø
- Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES X **NO** ___
SPECIES OF TURTLE TAKE: Unknown (Loggerhead) Green Kemp's ridley Hawksbill Leatherback

Comments: See incident report and picture regarding loggerhead head.

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

Observer's Name: Mary Lee **Observer firm** Coastwise Consulting

ENDANGERED SPECIES OBSERVER PROGRAM

SEA TURTLE INCIDENTAL TAKE DATA FORM

USACE DISTRICT: Norfolk VA

PROJECT NAME: Cape Henry Channel **DREDGE NAME:** Padre Island

DATE: 07/20/06 **Time turtle take recovered (24hr):** 0932 **Turtle take # for project:** 2

LOAD #: 155 **Times (24hrs):** **Start** 0613 **End** 0749 **Load start date** 7/20/06

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

Channel location of take: **Latitude** 36° 58.540 **Longitude** 75° 59.840

Other location / Channel description (e.g. buoy markers, landmarks):

Location take recovered on dredge: Stbd forward Screen

Number of dragheads in use at time of incident: 2 **Draghead deflector?** YES ✓ 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: 78 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 75 °C/(F) **Column (mid-depth)** — °C/°F **Bottom** — °C/°F

Condition of specimen: slight odor, some tissue still pink, eye opaque

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:	N/A cm/in		
Plastron Length:	N/A cm/in	**Plastron Width:**	N/A cm/in
Carapace Straight Length:	N/A cm/in	**Carapace Straight Width:**	N/A cm/in
Carapace Curved Length:	N/A cm/in	**Carapace Curved Width:**	N/A cm/in

Measurement/description of part: 20cm - head length - measured from side

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

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

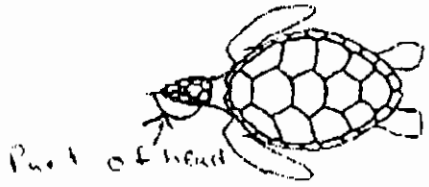
Final disposition of specimen: Dumped at disposal site

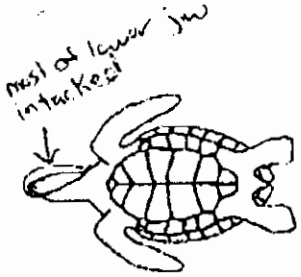
Comments: Possibly the head of turtle taken on 7/18/06. Tissue sample will be sent to NEKC-NMFS personnel

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

Observer's name Macy Lee

Use diagrams below to illustrate specimen/part recovered:



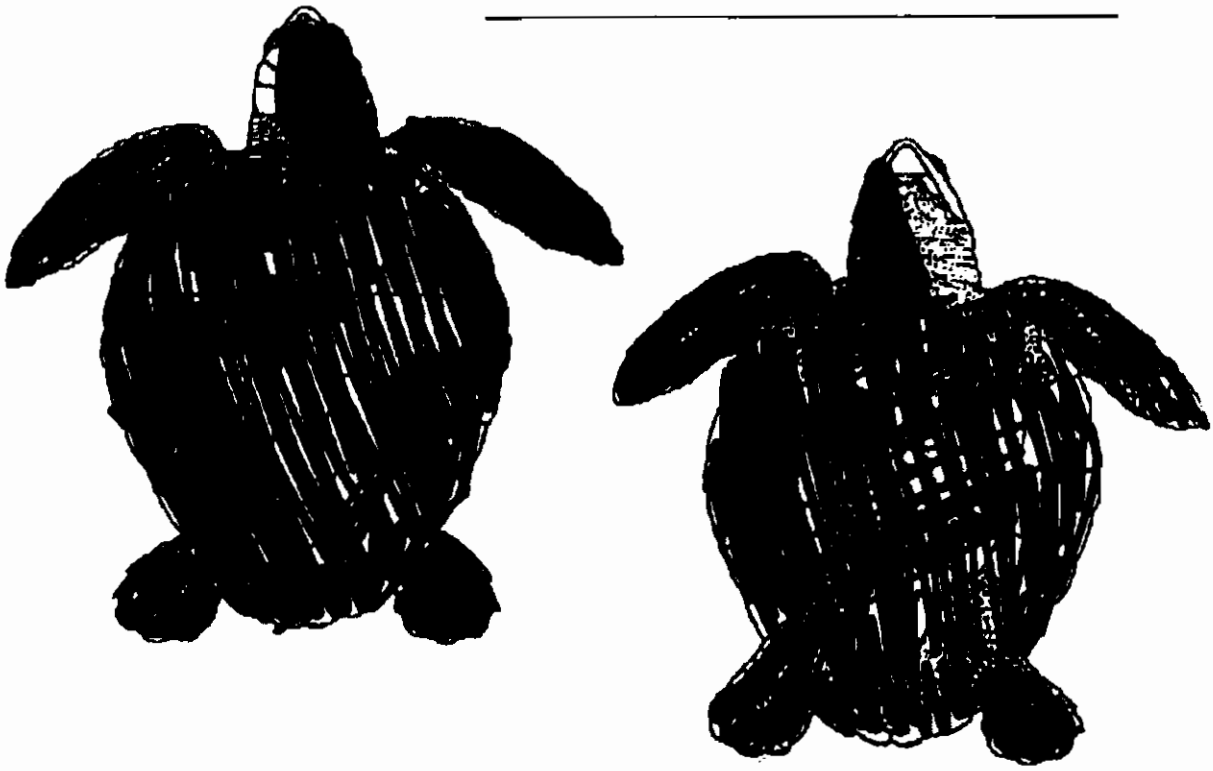


7/20/06

Loggerhead (*Caretta caretta)*

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

Comments: slightator, eye opaque most of upper portion of skull missing. Upper and lower jaw intact. Most of underside of jaw intact (fleshy tissue). Possibly part of turtle taken on 7/18/06.



Diagrams by Tom McFarland