

DAILY REPORT

DATE: 21 Sept, 2008

Project Name: Myrtle Beach Renourishment USACE District: Charleston, SC
 Dredge Name: Myrtle Island Dredge Firm: G.L.D.D.
 Contract # W91ZHN-07-R-0053 Maintenance / New Work X

Load #: 463 - 468 Areas worked (stations, etc): Myrtle Beach, Little River Borrow Site
Zone 3

Location, Lat/Long: N 33 ° 48 ' 1 " x W 078 ° 32 ' 4 "

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

AIR TEMP: 71-78 °F (°C) Wind Direction and Speed ENE-NE 5-15 Kts

WATER TEMP: Surface 81 °F (°C) Column (mid-depth) °C/F Bottom °C/F

Condition of deflector: Good Condition of screening: Good 100%

Were there incidents involving endangered or protected species? YES X NO

Which species? (complete incident form(s)) Loggerhead (Caretta caretta)

Comments (type of material, biological specimens, unusual circumstances, etc):

Material: Sand, Silty Sand, Shell, Clay

Biotic: (1) Loggerhead turtle, Ribbon Fish, Bivalves, gastropods, sand dollars

Abiotic: Radial Tire

Loggerhead turtle found in sled dragged on load 465, folded in half and stuck with Radial tire. Entire turtle recovered with many cracks in dorsal and ventral carapace. Point Test performed afterward to verify proper penetration of TED. SEE ATTACHED FORMS FOR MORE DETAILS

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
<u>No Sightings</u>		/	
		/	
		/	
		/	
		/	
		/	
		/	

Observers Names Jim Foley, Terrance Todd
 Observer Firm Coastwise Consulting, Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Myrtle Beach Renourishment USACE District: Charleston, SC

Dredge Name: M/V Padre Island Dredge Firm: Great Lake Dredge & Dock

Date Sept/ 21 / 2008 LOAD #: 465

Times (24hrs): Start 1020 End 1121 Dump 1233

Location, Lat/Long: N 33° 48 . 200 W 078° 32 . 420

Condition of screening : Port Good Starboard Good Overflow Good

Number of dragheads in use: 2 Type of dragheads used: IHC Size of dragheads: 8'

Draghead deflector? YES X NO Condition of deflector: Good

Type of material dredged: Sand, silt, and clay

Weather conditions: Mostly cloudy, Chilly with east north easterly breeze. Seas slightly choppy

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

Beaufort Sea States (Enter BSS 1-8) 3 Wave Height: 2-4 ft w/ chop

Wind (speed & direction): 10 to 15 knots from ENE AIR TEMP: 21.8 °C

WATER TEMP: Surface 27.2 °C Column (mid-depth) °C / °F Bottom °C / °F

SCREEN TYPE	<u> X </u>	Inflow screening:	<u>None</u>	<u>25%</u>	<u>50%</u>	<u>75%</u>	<u>100%</u>
	<u> X </u>	Overflow screening:	<u>None</u>	<u>25%</u>	<u>50%</u>	<u>75%</u>	<u>100%</u>
	<u> </u>	Other screening:	<u>None</u>	<u>25%</u>	<u>50%</u>	<u>75%</u>	<u>100%</u>

PORT SCREEN CONTENTS: Bivalves (oysters, scallops, clams), gastropods (whelks, conch, olive), sand dollars

STARBOARD SCREEN CONTENTS: Bivalves (oysters, scallops, clams), gastropods (whelks, conch, olive), sand dollars

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 X NO

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

Comments: Loggerhead turtle in Starboard draghead. Radial Tire also present in same draghead under turtle
Captain performed paint test to verify 6" penetration after load. See Attached sheets for further information.

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

Observer's Name: Terrance N. Todd Observer firm Coastwise Consulting

ENDANGERED SPECIES OBSERVER PROGRAM
SEA TURTLE INCIDENTAL TAKE DATA FORM

USACE DISTRICT: CHARLESTON, South Carolina

PROJECT NAME: Myrtle Beach Renourishment DREDGE NAME: M/V Padre Island

DATE: September 21, 2008 Time turtle take recovered (24hr): 1121 Turtle take # for project: 1

LOAD #: 465 Times (24hrs): Start 1020 End 1121 Load start date Sept 21, 2008

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

Channel location of take: Latitude N 33 ° 48.200 Longitude W 78 ° 32.420

Other location / Channel description (e.g. buoy markers, landmarks): Off Myrtle Beach, Horry County, SC in area known as the Little River Borrow Site Zone 3.

Location take recovered on dredge: Folded, but entirely present in the Starboard Draghead.

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

Condition of deflector: GOOD 100% Condition of screening: GOOD 100%

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

AIR TEMP: 21.8 °C / °F

WATER TEMP: Surface 27.2 °C / °F Column (mid-depth) _____ °C / °F Bottom _____ °C / °F

Condition of specimen: Entire turtle recovered in the starboard draghead. Turtle was folded in half, with many cracks in dorsal and ventral carapace. Body cavity ruptured, with some loss of internal organs.

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

Sex: M F UN How determined? No Penis Age class: Juv Sub-Adult Adult X UN

Measurements: Circle units

Plastron Length: _____ cm/in Head Width: 21.6 cm/in

Carapace Straight Length: 96.2 cm/in Plastron Width: _____ cm/in

Carapace Curved Length: _____ cm/in Carapace Straight Width: 67.3 cm/in

Carapace Curved Width: _____ cm/in

Measurement/description of part: Forward Flipper 45.7 cm, Head Length 30.5 cm

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

Turtle tagged?: YES NO X Tag type: _____ Tag #: _____ Tag date: _____

Final disposition of specimen: _____

Comments: Overcast, light breeze ENE 10 -15 k. Slightly choppy seas. Chilly. Turtle found with Rubber Tire

Load data form attached: YES X NO Dredge load log attached: YES NO X

Observer's name Terrance N. Todd / Jim Foley Observer's firm Coastwise Consulting, Inc

Use diagrams below to illustrate specimen/part recovered:

Loggerhead (*Caretta caretta*)

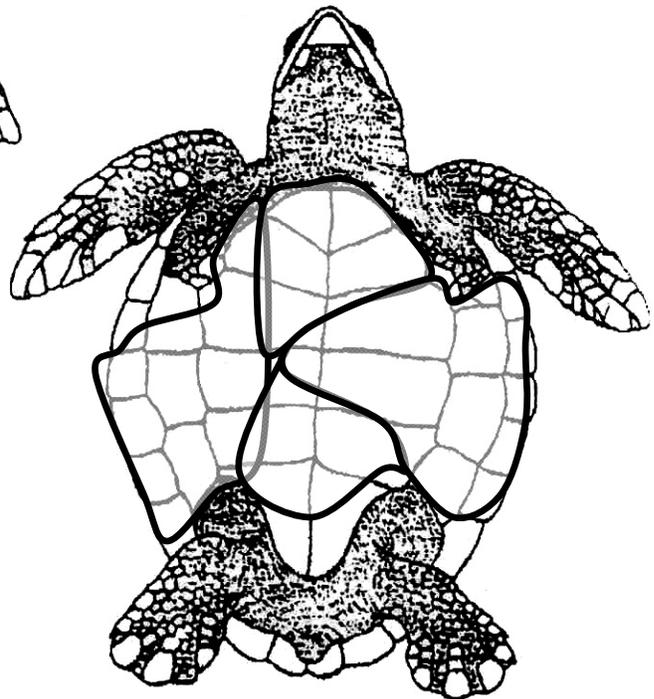
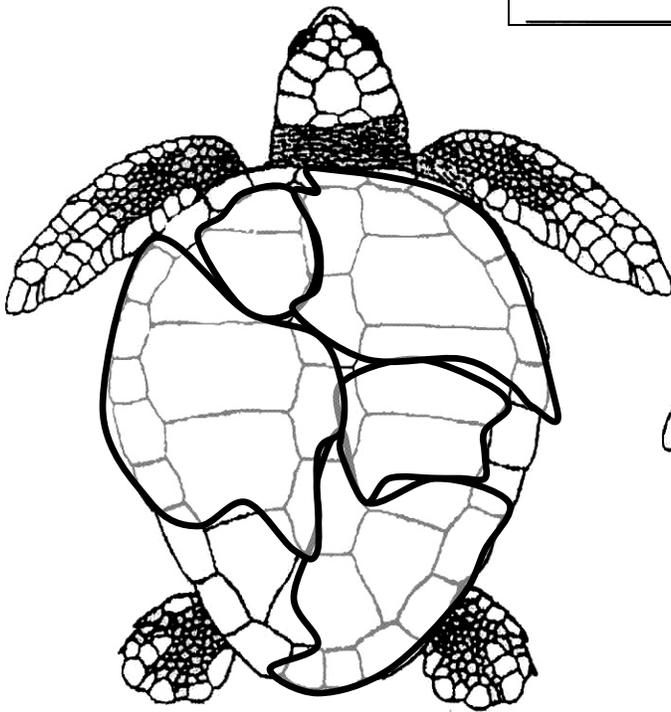
Shade areas of turtle that are missing; sketch cracks and lacerations

Comments:

Entire turtle recovered minus a few internal organs.

Back carapace was completely crushed in multiple points. Turtle was actually folded in half in the draghead.

See diagram for cracks.



Diagrams by Tom McFarland