ENDANGERED SPECIES OBSERVER PROGRAM

Project: St. Simon's Channel, Brunswick, GA

INCIDENT REPORT OF SEA TURTLE TAKE BY DREDGING ACTIVITY

Date 1 / 4 / 00 Time(24hr) 2015

Species of Turtle Taken Loggerhead (Caretta caretta)

Dredging Site (channel, port, etc.) St. Simon's Channel, Brunswick, GA

Location of Take: Latitude 31°04'.09 N Longitude 81°18'.1 W

Vessel Name and Company Dredge Newport, Manson Dredging

Type of Dredging Activity maintenance

Load # 163 Times: Start 1842 End 1946 Dump 2015

Sampling Method (overflow, inflow,etc.) overflow, inflow

Samples Recovered From Starboard foreward inflow

Condition of Screening EXCELLENT

Draghead Deflector? Yes X No

Condition of Deflector EXCELLENT

Weather Conditions front just moved in. Wind shifted from SE to W @ 20-25 knots, seas: 2-4, with heavy rain Tide Slack/ebb

Water Temperature: Surface 54°F Column 54°F C or (F) (circle one)

Condition of Specimen(s) Sampled Only 3 pieces of carapace present including (1) vertebral scutes w/ bits of costal scutes attached and (2+3) 2 pieces of thicker costal scutes. Cuticle is delaminating. Vertebrae are attached to vertebral scutes as well as viscera. There is no sign of fresh blood whatsoever.

Measurements--

Give estimate of entire carapace dimensions, as well as fragments sampled (in metric when possible, indicate if not):

Head Width N/A

Plastron Length N/A Width N/A

Carapace S. L. Length N/A S.L. Width N/A

Carapace O.C. Length N/A O.C. Width N/A

Turtle Tagged? Yes No X Tag # Tag Date / /

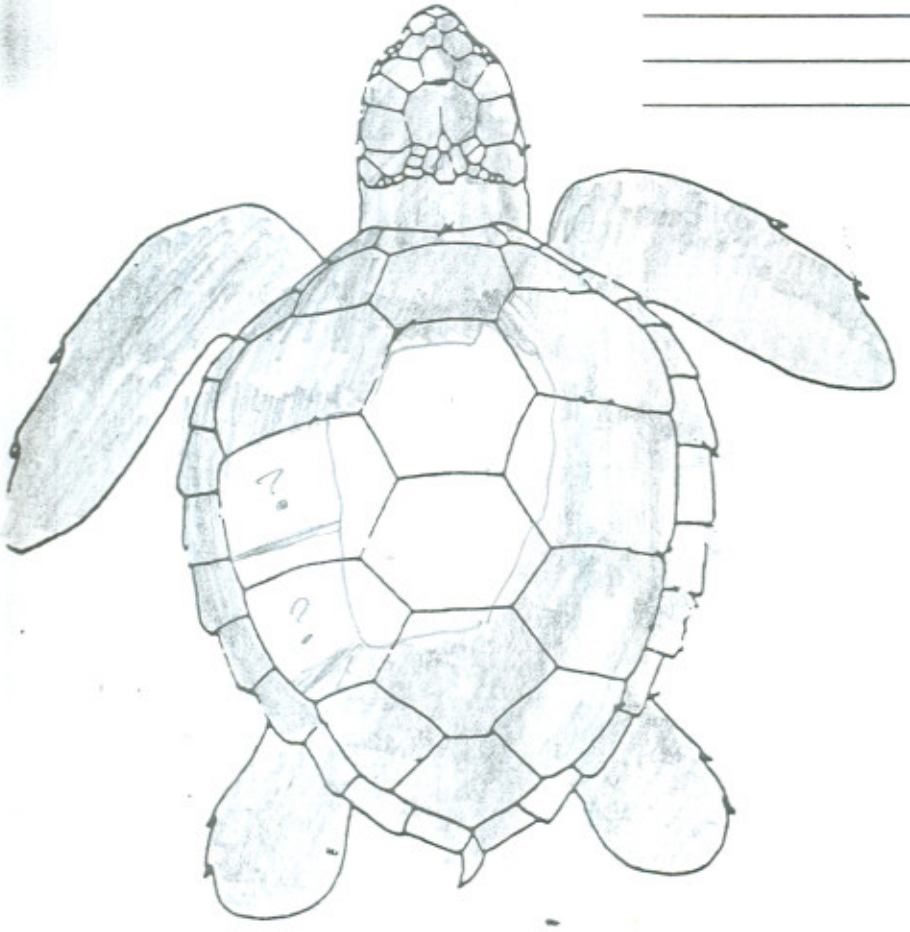
Comments It is possible that this specimen was part of the Caretta taken on 12/21, as the absent parts of that caretta, as drawn by Mary Hart, appear nearly identical to the parts found on this day.

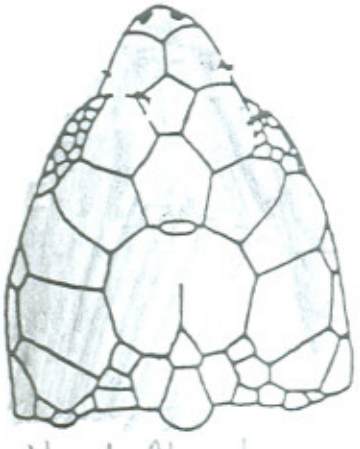
Observer's Name Meghan Piercy Jan Mackinnon

Caretta caretta (loggerhead)

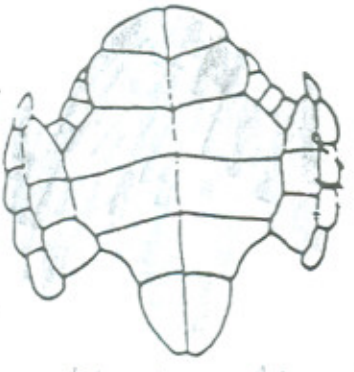
Shade areas of turtle which are missing. Sketch cracks and lacerations.

Comments: Dredge Newport
- 1-4-00
- St. Simon's Channel - Brunswick Georgia
- 3 pieces of carapace present only.
  - 2+ vertebral scutes w/ bits of costal scutes
  - 2 pieces of costal scutes (thicker)
- 23 barnacles present on vertebral scutes.
- cuticle is delaminating





Head Absent



Plastron Absent

TURTLE PAR

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Newport

Project: Brunswick, Georgia

DAILY REPORT

Date 1 / 4 / 00 Load Numbers 156-165

Area(s) Worked Stations: -24+00 to -34+00 and -34+00 to -40+00

Weather Conditions (incl. sea conditions) wind ESE shifting to W & N when front moved in. Clear → rain. Seas: ≈2-4

Range of Water Temp., Surface 54°-55°F Below Mid-Depth

Condition and Effectiveness of Screening EXCELLENT

Are there incidents involving endangered or protected species? **YES** **NO**

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

In load # 163, fragments of a Caretta caretta carapace and viscera were found in the starboard forward inflow screening. There were 3 pieces including: (1) 2 vertebral scutes connected to bits of costal scutes and (2+3) 2 pieces of (thicker) costal scutes. Vertebrae and viscera were also connected to the vertebral scutes.

* It is [redacted] likely that these pieces were from the Caretta taken on 12/21/99, as [redacted] they are virtually identical to the pieces missing from THAT turtle. (OR) Perhaps they are from the same turtle whose hind flippers were found on 1/3/00.

Other biological specimens retained by screening included: Horseshoe crab, Blue Crab, sea stars, whelks, whelk egg cases, Horse conch, sea pork, shrimp, scallops, and wood.

1/5/00 - These pieces probably belong to the Caretta caretta picked up on 1/5/00.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Red jellies	2	0910/ port side of vessel while heading east
Common Loon	2	12:37/ Flying south between dump + channel (winter plumage)

Observer(s) on duty Meghan Piercy and Jan Mackinnon

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Newport

Project: Brunswick

Date: 1 / 4 / 00

Load # 163 Start 1842 End 1946 Dump 2015

Location (lat/long, stations) Stn: -34+00 to -40+00 Tide Stage Ebb

Weather (wind dir, beaufort, sea state, temp, etc.) wind switched to W @ 20-25, RAIN, ok

Water Temp., Surface 54°F Below Mid-Depth

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

Port Draghead Ø Deflector OK

Stbd Draghead Ø Deflector OK

Port Inflow, Fore whelks Mid

Port Inflow, Aft

Stbd Inflow, Fore Loggerhead parts 2 vertebral scutes Mid

Stbd Inflow, Aft

Port Overflow, Primary Ø Secondary

Stbd Overflow, Primary Ø Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Mate Jay said he dredged 500 feet into section -34+00 to -34+00. So - although he mostly dredged a new section, he also dredged in the old section

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty M. Pierce