ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/**NATCO**
Brunswick Channel

DAILY REPORT

Date: 4/12/91 **Loads:** 8 - 11

Area Worked: between buoys 3/4 to 5/6

Conditions: clear, wind NE 5-15, seas 2-4' 84' tide: L 1310 H 1912

Incidents: Onboard 0815, Lateral screening in place but not set to outside of coaming behind aft dschwge boxes so there is no sampling. Skimmers to be screened.

1350 - After Load #11, the Dodge heads for the sound for repairs. I modified the lateral screening behind the discharge boxes so that samples can be obtained. The crew installed the skimmer screens, though half the screening on each skimmer is flush with the top of the skimmer and may not be too effecient at sampling. The other half is set well into the skimmer and should sample fine. NATCO personnel has been very responsive in getting this dredge screened.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

onboard 0815 - 1900

C. Slay

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 4/13/91 Loads: 21-25

Area Worked: stations -270 to -230

Conditions: overcast, wind SE 15 kts, seas 3-5', 78° tide: L 1353 H 1957

Incidents:

All screening in place.

No incidents.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

WEEKLY SUMMARY

Dates: 4/12/91 - 4/13/91

Loads: 8 - 25
(See Daily Reports for specific loads covered)

Areas Worked: Stations 230-270

Incidents: None

Note: This Weekly Summary only covers 2 days in order to synchronize reporting with the dredge Sugar Island.

The crew and I worked diligently on the Dodge Island to get screening properly in place. Everything looks good though half the screening on each skimmer is flush with the top of the skimmer and may not be very efficient at sampling. The other half of the skimmer screens are set well down into the skimmers and should sample fine. NATCO personnel was very responsive in getting this dredge screened and their cooperation is appreciated.

Program Contractor:
Chris Slay
173
Virginia Ave.
Athens, GA 30601
404-543-6859

Observer(s) On Duty:

Chris Slay

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 4/14/91 Loads: 36-40

Area Worked: Section 3, Stations 270-290

Conditions: p. cloudy, variable 5-10 kts, seas 2-4' Tide: H 0824 L 1439

Incidents:

No incidents

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Chr Slay

Observer On Duty:

Ed Lane

onboard 0815 - 1430

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 4/15 - 4/16 Night Loads: 36 - 40

Area Worked:
Section 3, Stations 270 - 230

Conditions:
Overcast, wind SE, 5-10 kts, seas 2', 70°-74° Tide: H 2125 8.2
L 0401 -0.5

Incidents:

Minimal overflow yields light sample in screening.

No incidents.

Note: 2, 6 hour shifts during night.

observer onboard 4/15 1730 - 4/16 0830

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Chr Slay

Observer On Duty:

Ed Cane

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 4/17/91 Loads: 89 - 93

Area Worked: Section 3, Stations 230 - 270

Conditions: Overcast/Rain, wind variable 5-10 kts, seas 2' 74° Tide: H 1041 L 1658

Incidents:

No incidents

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Ed Cane

Onboard 0815 - 1430

Chris Slay

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 4/18/91 Loads: 107 - 112

Area Worked: Section 3, Stations 22.5 - 27.0

Conditions:
Overcast, winds light/variable, seas <2', 74° Tide: H 1136 L 1748

Incidents:

No incidents.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Ed Cane

Ch Slay

onboard 0825 - 1600

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 4/19 - 4/20 Night Loads: 131 - 141

Area Worked: Section 3, stations 22.0 - 27.0

Conditions: Cloudy/Thunderstorms, wind ~NW 5-15 kts
Seas 2'-4', choppy

Tide: H 0103 7.3
L 0729 0.3

Incidents:

No incidents - no sign of turtles.
Light sampling due to light overflow.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Chris Slay

Observer On Duty:

Ed Cane

Onboard 1715 4/19
0215 4/20

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

WEEKLY SUMMARY

Dates: 4/14/91 - 4/20/91

Loads: 36 - 141
see Daily Report for specific load #'s

Areas Worked: Section 3, Stations 22.0 - 27.0

Incidents:

No incidents to report

First night watches conducted this week, nothing out of the ordinary to report. For details on the new scheduling see the Daily Report for the Sugar Island - 4/14 - 4/15.

Note: Light overflow yields light sampling.

Program Contractor:

Christopher K. Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer(s) On Duty:

Ed Cane

Ch Slay

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Sugar Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 4-21-91 Loads: 161-165

Area Worked: 27-22

Conditions: Clear skies, winds NW 10-15 kts, seas 2'-4' and 60°

Incidents: At 1020 hrs - Found the scapula of a sea turtle with fresh muscle tissue attached. Lgth & Width ~ 8" x 4.5". It was confirmed to be sea turtle scapula by GA DNR officials, but the species has yet to be determined. The piece was photographed and frozen for further reference.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:
C. Slay

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: April 22, 1991 **Loads:** 179-182

Area Worked: stations 27-22 section 3

Conditions:
mostly clear skies, light winds from SE, calm seas, mid 70's

Incidents:
A piece of intestine was found in the starboard lateral screens (3½" x 1¼"), after load 179. The observer boarded during load 179 to find the usual build-up of sampled material in the lateral screens. The small piece of intestine was photographed and put on ice to be transported to shore, for further analysis.

No other incidents known.

Tide L 0941 0.4
H 1552 6.3

shrimp trawlers within 4 miles - 22 south, 15 north

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:
E. Cane

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Sugar Island/NATCO
Brunswick Channel

DAILY REPORT

Night Watch

Date: 4-23-91 / 4-24-91 Loads: 203 - 211

Area Worked: Section 3 stations 27-22

Conditions: mostly cloudy skies, 5-10 Kt. winds SE, 4'-6' swells and low-mid 70's
Tide L 2311 0.2 & H 0508 6.6'

Incidents:

No known incidents.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

E Cane

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 4-25-91 **Loads:** 224-227

Area Worked: stations 27-22 (loads 224-226) move inside to Cedar Hammock (load 227)

Conditions: Cloudy & overcast, winds NNE 5kts, calm seas, and low 70's

Incidents: No known incidents.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Kane

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 4-26-91 Loads: 233-235

Area Worked: Cedar Hammock

Conditions: Cloudy w/ haze & ltd. vis, winds NE 5-10kts, 1'-3' swells, upper 70's

Incidents: No known incidents w/ target spp.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Cane

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: Night Shift 4-27-91 / 4-28-91 **Loads:** 246 - 249

Area Worked: Cedar Hammock

Conditions:
Mostly cloudy w/ sct shwrs + Thndr + Ltng, NW winds @ 10 kts, 3' swells 75°F

Incidents:

No known incidents w/ target spp.

The skimmer screens, both port and starboard, are in need of repair. High pressure water, mixed w/ wood debris and rock, bend screen down and decrease the sample efficiency. The COE representative (on board) and the Captain were informed of the screen's condition.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:
E Cane

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

WEEKLY SUMMARY

Dates: 4-21-91 thru 4-28-91 **Loads:** 161 - 249

Areas Worked: Cedar Hammock

Incidents:

- An incident occurred April 21st. Found at 1020 hrs., the scapula of a sea turtle with fresh muscle tissue attached. Lgth & Wdth ~ 8" x 4.5". It was confirmed to be sea turtle scapula by GA DNR officials*, but the species has yet to be determined, The piece was photographed and frozen for further reference.
- No other confirmed incidents for the week. The outboard screens of both skimmers are in need of repair due too high pressure and rock in the dredging area. (The Captain and COE Rep. (on board) are aware of this.)
- This weekly summary, for the Dodge Island, contains one extra shift (4-28-91); due too the nightshift starting 4-27-91 and ending 4-28-91.

* we compared it to turtle taken on Sugar Island 4/21

Program Contractor:
Christopher K. Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer(s) On Duty:

E. Cane

C. Slay

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 4-29-91 **Loads:** 259-261

Area Worked: Cedar Hammock

Conditions: Scattered Clouds, S.E Winds 10-15 Kts, 3-5' swells, 82°F

Incidents: The observer boards dredge and finds 3 pieces of intestine (with fat tissue attached), 2 undeveloped eggs (?), a small piece of fatty tissue (in the port and star board "lateral sample screens"). The intestines measured 1 piece 46", 1 piece 18" and 1 piece 16". The intestine was checked for content and found only some green liquid which was unidentifiable. The eggs (?) are yellow with many veins along their surface and they are about 1" in diameter.

Load 261. Three pieces of intestine, their measurements are 1 piece ~60", 1 piece ~24", and one piece at ~4". These are placed with the other parts and taken to observer quarters to be further analysed (as to animal of origin). Note that, prior to boarding dredge, observer and crew boat operator R. Beechum retrieved a (floating) dead Cicaretta near the St. Simons Pier. The DNR was notified and photos taken.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:
E. Cane
Ed Cane

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 4-30-91 Loads: 267 & 268

Area Worked: Cedar Hammock

Conditions:
Clear skies, SE winds @ 5kt, 3' swell, 80°F

Incidents:

Not determined to be turtle
C. Slay
CKS

Intestine (animal of origin, not yet known) was found by mate (George Silva) and dragtender (Ray Green) prior to observer boarding. It was stored and later placed on ice along with more intestine, and assorted viscera (connective tissue etc) that was found by observer and appeared to be of the same animal. The samples were taken to the observer quarters and labeled "Dodge Island / 4-30-91" (Frozen in seperate bags) The Captain & COE REP. were notified (and shown intestine).

Port & Starboard skimmer screens (outboard halves) still in need of repair.

Note: Intestine was fresh (within 6-8 hrs).

Note: Crew cooperation (re: intestine).

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

E. Cane
Ed Cane

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 5/1 - 5/2 1991 (Night) **Loads:** 279 - 283

Area Worked: Cedar Hammock

Conditions: Rain, wind SE 5-15 Kts, Seas 3', clear by morning

Incidents:

No incidents. Start 50% coverage.

Skimmer screens which have been damaged and rendered useless by rock in the Cedar Hammock area are being reconstructed today. Screens will be made more substantial; hopefully to withstand rocks/pressure and still function as screens.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Ed Cane

onboard 1830
off 0900

Chris Slay
onboard 0845
off 1515

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/**NATCO**
Brunswick Channel

DAILY REPORT

Date: 5/3/91 **Loads:** 292 - 294

Area Worked: Cedar Hammock Sta 15.0 - 18.9

Conditions: clear, wind light S-W, seas <2', tide H 1206 L 1814

Incidents: Incident - Load 293, At 1410 hrs, I recovered 4' of intestine, most of a lung (8" long), a piece of liver (prob), mesentery and other connective tissue. All pieces were fresh and after close examination determined to be sea turtle. Intestine was empty - probably washed clean during dredging process. The lung bled fresh when cut and there was appx 1" of trachea still attached. All specimens photographed and bagged to be frozen for future reference. They were found in the lateral overflow screens with the exception of a small piece of tissue found in the teeth of the drag head.

Work continues on skimmer screens.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:
Chris Slay
0830 - 1630

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 5/4/91 **Loads:** 299 - 302

Area Worked: Cedar Hammock sta 150 - 18.9

Conditions: overcast, wind S 5-10 kts, sea <2', 85° tide L 0701 H 1255

Incidents: No incidents.

Stbd. skimmer screening rebuild complete.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Chris Slay
0815 - 1730

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

WEEKLY SUMMARY

Dates: 4/29 - 5/4 1991 Loads: 259 - 302

Areas Worked: Cedar Hammock (sta 150-212)

Incidents: Undetermined 4/29 Load 259-261 The observer recovered approx. 168" of intestine and 2 eggs (not fully developed). Eggs were yellow, outer surface covered by vascular network and measured approx. 1" in diameter. The structure of the interior wall of the intestine didn't look like typical turtle intestine though the eggs were the right size and shape. Dept. of Natural Resources biologists were also intrigued yet unsure about these specimens and want to send them to the NMFS lab in Charleston, SC. This incident will not be considered a take until lab results are in.

Incident - Turtle take 5/3/91 From the lateral screens I recovered 4' of intestine, most of a lung (8" long), a piece of what appears to be liver, mesentery and other connective tissue. All pieces were fresh and determined to be sea turtle. Intestine was empty - probably was clean during the dredging process. Lung yielded fresh blood when cut and had approx 1" of the bronchial tube attached. All specimens photographed, bagged and frozen.

Note: Reconstruction of skimmer screens begun. They had been demolished by rocks shot into skimmers with "poor mix". Stbd skimmer completed 5/4.

Program Contractor:

Christopher K. Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer(s) On Duty:

Ed Cone
Chris Slay

see reverse

Note: The predominance of viscera as the primary sample found aboard this dredge is due to certain features of the dredge and dredging procedures peculiar to the area. The fact that overflow is limited to five minutes and that the "poor mix", which is shunted directly overboard, cannot effectively be screened gives us light sampling to begin with. Also, the dragheads are screened by heavy grating made necessary by the presence of rock in the dredge area. This grating probably serves to exclude large pieces of turtle. Given all of this, only small, neutrally buoyant or lighter turtle parts (i.e. intestine, organs, etc) are likely to remain suspended and be sampled during the short overflow period.

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 5/5/91

Loads:

Area Worked:

Conditions:

Incidents: Dredge at dock for repairs.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Ch Slay

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 5/6/91 **Loads:** 310 - 312

Area Worked: Cedar Hammock, sta. 164 - 212

Conditions: clear, wind variable 10 kts, seas 1-3', 86° tide: L 0834 H 1437

Incidents:

Very little overflow. Poor mix" unscreened, Light sampling.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Chris Slay
0745 - 1630

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 1745 5/7/91 — 0830 5/8/91 **Loads:** 319-323

Area Worked: Cedar Hammock, sta 170-205

Conditions: overcast, wind ~N 5-10 kts, seas 1-3', 74° tide: L 2145 H 0355

Incidents:
Light sampling. No incidents.

Dredge at fuel dock 0830 5/8/91

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Chris Slay

1745 5/7 — 0830 5/8

(Night)

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT (2 Days)

1800 1430
Date: 5/8 - 5/9 1991 **Loads:** 324 - 329

Area Worked: Cedar Hammock, sta. 175 - 190

Conditions: clear/p.cloudy, wind ~S 5-10 kts, seas 1-3', 75-83° tide: L 2252 H 0447 L 1122

Incidents: No incidents. I did find fragments of keratinous and cartelagenous material which could be the lower "beak" of a sea turtle. However this specimen was from an animal long dead and could not considered a dredge take even if confirmed that it's from a turtle.

Light sampling.

Dredge left fuel dock 1715 5/8/91

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:
Chris Slay

Night / Day

1800 5/8 - 1430 5/9

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 5/10/91 **Loads:** 341 - 343

Area Worked: Sect 3, Sta 245-280 (outer channel) / cedar hammock Sta. 175-180

Conditions: partly cloudy, wind light variable, seas 2', 86° tide: L 1214 H 1809

Incidents: Incident - Turtle take, Load 341 0935 hours.
I recovered a piece of loggerhead (Caretta caretta) flipper from the port lateral screen. Specimen was about 9" long and appeared to be the leading edge of a rear flipper from the upper section (hip-joint). From the size of the socket I'd estimate the turtle's carapace length to be over 30". Tissue was fresh though a slight odor was beginning to develop. The mate reported that a shrimper adjacent to the dredge area told him over the radio (~0100 hrs) that he had caught pieces of turtle and "guts" in his net. It is like this turtle was crushed under a drughead on one of the initial loads taken from Sect. 3 on 5/9-5/10. Sample well photographed.
Note: Skimmers re-screened, blasts from the "poor mix" may be blowing samples out of the skimmer but the heavy screening is still a marked improvement.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Chris Slay

0830 - 1730

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 5/11/91 (incl. 0000-0800 5/12) Loads: 353 - 361

Area Worked: Sect. 3, sta. 245-280 (outer channel) / cedar hammock sta. 214-203

Conditions: partly cloudy (scattered rain) wind variable 5-10 kts, seas 2', tide: L 1304 H 1901

Incidents:

No incidents.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Day: Chris Slay 0800 - 1630

Night: Robert Overman 1600 - 0800 (5/12)

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

WEEKLY SUMMARY

Dates: 5/5 – 5/11 1991 Loads: 310 - 361

Areas Worked: Cedar Hammock, sta 164-280 / Sect 3 (outer channel) sta 245-281

Incidents: Incident - Turtle take, 5/10/91, Load 341 0935 hours. I recovered a piece of Loggerhead (Caretta caretta) flipper from the port lateral screen. This was a "[illegible]" kill though the turtle was probably taken on one of the first loads dug in Sect 3 on 5/9 - 5/10. From the size of the specimen, I estimate the turtle to have a carapace length of 30+". Sample well photographed. (See Daily Report for details.)

Skimmer screens rebuilt this week to withstand high-pressure flow of the "poor mix". This is a significant improvement for monitoring overflow through the skimmers though "poor mixing" may be blowing samples out of skimmers.

Note! The dredge was in operation [illegible] hours this week (at the dock Sun. + Wed.) and of that time there was observer coverage 75 hours, including three 14 hour night shifts, providing just over 50 % coverage.

Program Contractor:
Christopher K. Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer(s) On Duty:
Chris Slay

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 5/12/91 Day

Loads: 362 - 366

Area Worked: Section 3, station 280-245 (outer channel)

Conditions: p. cloudy, wind variable, 5-10 kts, seas 2', 84°

tide: H 0727
L 1353

Incidents:

No incidents, while skimmer screens are excellent for screening overflow, the "poor mix" probably blasts samples from the skimmer.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Chris Slay

0830 - 1630

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/**NATCO**
Brunswick Channel

DAILY REPORT

Date: 5/13/91 **Loads:** 373 - 377

Area Worked: Section 3, stations 320-219 (outer channel)

Conditions: p. cloudy, wind SW 10-15 kts, seas 1-3', 83° tide: L 1443 H 2041

Incidents: No incidents.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Chris Slay

0800 - 1645

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/**NATCO**
Brunswick Channel

DAILY REPORT

Date: 5/14 (5/15) 1991 Day/Night **Loads:** 390-401

Area Worked: Section 3, stations 315-275, 320-210 (outer channel)

Conditions: cloudy, some squalls, wind SW 10-15 kts seas 1-3'

Incidents: Incident - Turtle take, Load 397, 0042 hrs (5/15), while checking the lateral screens I found several pieces of intestine which I identified as turtle. I then discovered a loggerhead (caretta caretta) crammed into the port draghead, carapace up. The carapace was cracked nearly in two and some viscera had been sucked out. Specimen was photographed in the draghead and later on deck. Approx. carapace length was 26"; width 23" (over-the-curve measures). There were 4 pieces of intestine recovered from the screens - total length 56". I salvaged large pieces of lung, bronchial tube and intestine for use as reference material by other observers.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Chris Slay

1300 - 0800 (5/14)

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 5/15/91 Day **Loads:** 402 - 407

Area Worked: Section 3, station 315-275 (outer channel)

Conditions: clear, wind SW 15 kts, seas 1-3' 85° tide: H 0958 L 1626

Incidents:

No incidents

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Barbara Zoodsma

0800 - 1530

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 5/16/91 **Loads:** 418-422

Area Worked: Section 3, station 315-219 (outer channel)

Conditions: clear, wind SW 5-10 kts, seas <2', 88° tide: H 1053 L 1717

Incidents:
No incidents.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:
Chris Slay
0830 - 1630

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 5/17 (5/18) 1991 Day/Night Loads: 432 - 437

Area Worked: Section 3, stations 370 - 220

Conditions: clear, wind light, seas 2', 82°-75° tide: H 1151 L 1811
H 0041 L 0653 (5/18)

Incidents: Incident - Turtle take, Load 444, 0200 hrs (5/18). The observer found 7 pieces of intestine in the lateral overflow screens. Their combined length was apprx. 12'. Also recovered was a shredded piece of what appears to be kidney as well as fat and connective tissue. 2 of the pieces of small intestine were typical of that associated with all of our loggerhead takes where intestines were present. The other five pieces were large intestine, nearly twice the diameter with "spongier" interior walls. These samples were much like the "atypical" intestine from the incident on 4/29/91 where 2 eggs were present. It is very possible that incident was indeed the take of a fully adult female and that those samples seemed unusual because we rarely see the large intestines of fully grown loggerheads. Most of the documented "takes" aboard dredges in this area have been the sub-adult turtles, carapace length 24"-32". At any rate todays take is definitely turtle and will be given a prob. species i.d. of loggerhead (Caretta caretta) due to the size of the intestine - a few small shell fragments were in the intestine as well. Samples frozen.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Chris Slay
0800 - 1800

Gina Gore
1800 - 0800 (5/18)

Slay examined samples upon boarding 0800 (5/18)

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 5/18/91 Loads: 448 - 455

Area Worked: Section 3, stations 320-223 (outer channel)

Conditions: clear wind S-SE 5-10 kts, seas <2', 84° tide: H 1255 L 1906

Incidents:

At 1635, near buoy 1A in the channel, I sighted a dead loggerhead floating out with the tide. Half the plastron and two flippers were visible and appeared intact. Condition of carapace couldn't be seen. Cause of death unknown.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Chris Slay

0800 - 1815

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

WEEKLY SUMMARY

Dates: 5/12 - 5/18 1991 Loads: 362 - 455

Areas Worked: Cedar Hammock Range / Section 3 (outer channel)

Incidents:

Turtle take Load 397, 0042 hrs. 5/15. Several pieces of turtle intestine recovered from lateral screens. Loggerhead (Caretta caretta) was then found in the port draghead, carapace cracked nearly in two, some viscera sucked out. Carapace length and width (over-the-curve) apprx. 26" x 23". Photos taken. See Daily Report for details.

Turtle take Load 444, 0200 hrs, 5/18 (night). Seven pieces of turtle intestine found in lateral screens along with what appears to be a piece of kidney, and fat and connective tissue. Five of the pieces of intestine were large intestine and may shed some light on the incident involving 2 eggs on 4/29/91 (see Daily Report). Size of the sample and what little content was found in the intestine suggest prob. species i.d. - loggerhead (Caretta caretta), probably an adult. Samples were frozen. See Daily Report for details.

Note: Dead loggerhead seen floating in the channel, 5/18. Also, note observations on skimmer screening 5/12. No sample of turtle take have been recovered from skimmers on the Dodge.

Program Contractor:

Christopher K. Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer(s) On Duty:

Chris Slay

Barbara Zoodsma

Gina Gore

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 5/19/91 Day Loads: 467 - 470

Area Worked: Section 3, station 370-220 (outer channel)

Conditions: partly cloudy, wind E 5-15 kts, seas 2-3 ft, 25°, tide: H 1400 L 2009

Incidents:

Turtle intestine found in port "aero" screen (load 467). Sample was shredded and bloodied, definitely not fresh and may have been from incident on 5/18/91, 0200 hrs. I don't think it could have been any more recent than that. Given these circumstances, this sample does not constitute a "take". The two pieces measured 22, no contents other than silt

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Chris Slay

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 5/20 - 5/21 1991 Day/Night Loads: 481-489

Area Worked: Section 3, station 320-220 (outer channel)

Conditions: cloudy, wind NE-E 10-15 kts, 75-80°, tide: H 1500 L 2114 H 0312 L 0948

Incidents: No incidents.

Some loads in sand - long cycle times.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Chris Slay

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 5/21/91 Day Loads: 490-493

Area Worked: Section 3, station 320-220 (outer channel)

Conditions: cloudy wind E 15-20 kts, seas 3-5', ~80° tide: L 0915 H 1535

Incidents:

One arm digging and [illegible] - few loads covered.

See Daily Report 5/22

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Barbara Toodsma

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 5/22/91 Day Loads: 502 506

Area Worked: Section 3, station 270-220 (outer channel)

Conditions: partly cloudy, wind E 10-15 kts, seas 2-4' 280° tide: L 1013 H 1631

Incidents: Turtle take - Take occured on 5/21 at approx. 2015 hrs. Reported to observer upon boarding this morning. Dragtender found a turtle in the port draghead, retrieved it and tied it on the well deck. The Corps inspector photographed it. During the night rough seas tore the turtle loose from where it was tied and it washed overboard. Upon boarding I found 7 pieces of intestine in the lateral screens and examined photos of the turtle. The carapace was cracked open and intestine was trailing out. Intestine in the screens was certainly from this turtle. The turtle was a loggerhead (Caretta caretta) and estimated carapace length was 24"-26", over mature. Cooperation of crew greatly appreciated.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:
Chris Slay

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 5/23 - 5/24 1991 Night Loads: 519 - 525

Area Worked: Section 3, station 320-220

Conditions: cloudy, wind NE 10 kts, seas 2-4', -80° tide H 1724 L 2250 H 0532

Incidents:

No incidents - headed to fuel 0700.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Chris Slay

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 5/24/91 Day Loads:

Area Worked:

Conditions:

Fuel Day -

Incidents:

Dredge at dock

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 5/25/91 Day Loads: 536 - 541

Area Worked: Section 4 Station 320 - 350

Conditions: p. cloudy, wind NE 10 kts, seas 2-4'

Incidents: Turtle take. Observer boarded dredge at 0800 hrs. and spotted intestines in the lateral overflow screens (during load 536). Approx. 6' of intestine, 2 pieces of colon, and a piece of lung were retrieved. All parts are identical to samples from known loggerhead takes, suggesting species i.d. of loggerhead (C. caretta). No appreciable gut content other than green fluid and some small shell fragments. Bright color of samples indicate that the turtle was probably taken during load 534 or 535 (early AM). Samples frozen.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Chris Slay

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

WEEKLY SUMMARY

Dates: 5/19 - 5/25 1991 Loads: 467 - 541

Areas Worked: Section 3 station 320 - 520
Section 4 station 320 - 455 (clean up)

Incidents: Turtle take 5/21 at 2015 hrs. Crew found a loggerhead (Caretta caretta) in the port diagonal and reported it to the observer when he boarded the next morning. Intestine was found in the screens. See Daily Report 5/22.

Turtle take 5/25, 0800 hrs. Observer found intestines in the lateral overflow screens upon boarding; total length - 6' plus 2 pieces of colon and a piece of lung. Samples were frozen. Pieces taken on loads 534 or 535 (early AM). Species id. - prob. loggerhead (Caretta caretta). See Daily Report 5/25.

Program Contractor:

Christopher K. Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer(s) On Duty:

Chris Slay
Barbara Zoestma

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 5/26 - 5/27 1991 Day/Night Loads: 554 - 567

Area Worked: Section 3 Stations 220 - 385

Conditions: partly cloudy, wind E 5-10 kts, [illegible] ~2', tide: L 1323 H 1944 L 0127 H 0751

Incidents:

Turtle. Upon boarding (~0900) I was shown the carapace and plastron of a juvenile loggerhead. Specimen recovered from the stbd. draghead @ apprx. 0330 hrs. Carapace and plastron were cracked longitudenally in half, the left half being all that was found. Attached to this was [illegible] other connective tissue, a small piece of intestine, skin, muscle and a piece of the scapula. Estimated over the curve of pace length 25". Did a buoyancy test per Dave Nelson's [illegible] specimen sank like a rock. It exuded little [illegible] there was some skin sloughing. Tissue seemed fresh but somewhat blanched. It is not impossible that this sample could be associated with take on 5/25. Also found 18" of intestine on lateral screen upon boarding, presumed to be associated with carapace/plastron. Samples well photo'd.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Day Chris Slay

Night [illegible] Overman

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 5/27/91 Day Loads: 568-572

Area Worked: Section 3, Station 327-420

Conditions: p.cloudy wind ESE 10-15 kts, seas 2-4' 83° tide: L 1404 H 2024

Incidents: Very light overflow - light sampling -

No incidents.

Live loggerhead sighted at the surface ~0900 hrs. (Sta 226)

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Chris Slay

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 5/28/91 Day Loads: 582 - 587

Area Worked: Section 3 Station 320-220

Conditions: clear, wind SE 10-15 K-S, seas 2-4', 87° tide: L 0833 H 1452

Incidents: Found an 8' section of carapace (mid-line) including 2 vertebrae, some connective tissue attached, scutes missing, tissue shredded and bleached. Not Fresh. May be associated with one of the more recent takes.

Turtle Take Load 586 1500 hrs (Caretta caretta) Loggerhead seen lodged in stbd dragheard as it cleared the water, turtle found to be crushed - carapace and plastron severely cracked - entrails trailing. Turtle was still alive and was immediately euthanized by C. Slay. Carapace (cracked into 3 pieces) measured 30.5" over-the-curve length, (sub-adult). Intestines were full of crab shells - several species. Photos were taken in dragheard and on deck. Specimen delivered to Jim Richardson and Dave Nelson.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Chris Slay

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 5/29 - 5/30 1991 Day/Night Loads: 597 - 606

Area Worked: Sect 3 Sta 320-220, Sect. 2 Sta 220-140 *

Conditions: p. cloudy, wind light, variable, seas 1-2' 80°-97° tide: H 0913 L 1523 H 2138 L 0410

Incidents:

* Moved to new area - sand slope, clean loads, light sampling.

No incidents.

5/29 . ~2030 WS whale sighting.

See Daily Report 5/30 Day

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Chris Slay

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 5/30/91 Day Loads: 607 - 610

Area Worked: Section 2 Stations 220-140

Conditions: p. cloudy, wind SW 10kts, seas 1-2', 84°. Tide: H 0457 L 1601

Incidents:

Clean loads - No incidents.

Mate reports sighting a whale at approx 2000 hrs. yesterday, in the channel near buoy #3. Whale was seen fluke twice, nothing else was seen. Flukes were described as solid black and "pointed" at the tips. approx. [illegible] across. Sounds like a right whale, though very unseasonal. Possibly a Bryde's whale but they don't often show flukes. Could've been a humpback with exceptionally dark ventral fluke surface but trailing edge is scalloped, tips not "pointed". Probably a confused right whale.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Barbara Zoodsma

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 5/31/91 Day Loads: 617-620

Area Worked: Section 2 Stations 220-140

Conditions:
p. cloudy, wind light/variable, seas <2' 89° tide: H 1032 L 1637

Incidents:

Light overflow, clean loads.

No sampling.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Chris Slay

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 6/1-6/2 1991 Day / Night Loads: 627-634

Area Worked: Section 2 Stations 220-140

Conditions: p. cloudy, wind light/variable, seas <2', 84° tide: H 1114 L 1716 H 2334 L 0001

Incidents:

Clean loads (sand) No incidents.

~1900 hrs. Observer Gore sighted dead loggerhead floating near channel on the way in. Carapace appeared cracked, unfortunately this was not verified. Turtle drifting north toward shoal could not be released on return trip to dredge for night shift ~2000 hrs.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

(Day) Gina Gore.

(Night) Chris Slay

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

WEEKLY SUMMARY

Dates: 5/26 - 6/1 1991 Loads: 554 - 634

Areas Worked: Section 3 sta. 385 - 220, Section 2 sta 220 - 140

Incidents: Turtle Take 5/26 Apprx 0330 hrs dragtender recovers pieces of carapace and plastron from dragheed. Shown to observer upon boarding, 18" of intestine also found in screen by observer. Samples are from a juvenile loggerhead (caretta caretta) and are fairly fresh enough could possibly be associated with take on 5/25. See Daily Report.

5/28 Load 582 Small piece of carapace found in lateral screen. Not fresh, probably associated with a previous take.

Turtle Take Load 586 1500 hrs. Sub-adult loggerhed (caretta caretta) crushed and lodged in stock dragheed. Barely alive, euthanised. Specimen delivered to Jim Richardson and Dave Nelson. See Daily Report

5/29 Whale sighting. See Daily Report

6/1 Dead Loggerhead (c. caretta) sighted floating near channel.

COE trawling began this week. We maintain communication.

5/29 Moved to new area Section 2.

Program Contractor:

Christopher K. Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer(s) On Duty:

Chris Slay
Robert Overman
Barbara Zoodsma
Gina Gore

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 6/2/91 Day

Loads: 635 - 638

Area Worked: Section 2, Station 140-220 (Red Toe)

Conditions: overcast (rain), wind variable 10-15 kts, seas 1-2', 87°/ tide: H 1200 L 1756

Incidents:

No incidents. Digging a sand slope. Little lateral overflow, clean screens.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Chris Slay

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 6/3/91 Day Loads: 644-648

Area Worked: Section 2, Station 140-220 (Rod Toe)

Conditions: clear, wind W 5 kts, seas calm, 90° tide: H 1248 L 1841

Incidents:

Digging Sand, Overflow through the skimmers - clear. No incidents

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Chris Slay

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 6/4 - 6/5 1991 Day/Night Loads: 653 - 661

Area Worked: Section 2, station 140-220 (Red Toe)

Conditions: p. cloudy (squalls), wind ~SW 5-10 kts, seas 1-2', 95°-72° tide: H 1337 L 1933 H 0154 L 0815

Incidents:

No incidents. No lateral overflow

skimmers clean. Still digging sand.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Chris Slay

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 6/5/91 Day Loads: 662-663

Area Worked: Section 2, station 140-220 (Red Toe)

Conditions: cloudy, wind switching NE 20 kts, seas 5'-7', 78° tide: L 0815 H 1429

Incidents:

Long loads, dragging sand, clean screens.

No incidents.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Barbara Zoodsma

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 6/6/91 Day Loads: 668

Area Worked: Section 2, station 140-220 (Red Toe)

Conditions: p cloudy, wind NE 15-20 kts, seas 6-8', 78° tide: L 0907 H 1521

Incidents: Screens washed clean by rough seas. No incidents.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Chris Slay

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

24 hour report (0800 - 0800)

Date: June 7-8, 1991 Loads: 673-679

Area Worked: Stations 1400-2200 red side.

Conditions: Strong NE wind (15-30 kts), rain showers, seas 5'-8', clearing at sunset, winds falling to 5-15 kts, seas down by morning.

Incidents:

There were no incidents of concern.

High seas and greater than usual rolling of the ship have kept the lateral screens clean of debris. Ventral surface of drag heads not checked on a number of loads for safety reasons. In all cases, drag tenders reported no incidents when they they were removing other debris (logs, roots).

All loads consisted of clean sand taken hard on the channel bank, red side.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Jim Richardson

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 6/8/91 Day Loads: 680-682

Area Worked: Section 2, Station 140-145 (Red Tow)

Conditions: clear, wind NE 15-20 kts, seas 4-6' (subsiding) 78° tide: L 1101 H 1459

Incidents:

Still dissing sand. No incidents.

Little sea life in skimmers.

(2 stingrays and a horseshoe crab)

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Chris Slay

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

WEEKLY SUMMARY

Dates: 6/2 - 6/8 1991 Loads: 635 - 682

Areas Worked: Section 2, Stations 140-220 (Red Toe)

Incidents: NONE. The dredge is working on the sand slope along the north side of the channel. There is no lateral over flow, therefore all overflow is screened through the skimmers. The Captains of the Dodge Island have agreed not to run the "poor mix" through the skimmers. This is a great help in maintaining the effectiveness of the screening since samples may otherwise be blasted from the skimmers by the poor mix. This cooperation is very much appreciated (and fortunately typical).

There has been very little found in the skimmers, occasionally a stingray or horseshoe crab. The slope of this sand shoal appears to be relatively barren of benthic sea-life.

Contact with the trawler "Dammit" is being maintained.

Program Contractor:
Christopher K. Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer(s) On Duty:
Chris Slay
Barbara Zoodsma
Jim Richardson

(89 hours onboard - 53% coverage)

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 6/9/91 Day Loads: 687 - 689

Area Worked: Section 2 station 145 - 140 (Red Toe)

Conditions:
m. clear, wind NE 10 kts, seas 1-3', 87° tide: L 1157 H 1807

Incidents:
Still digging sand slope along north side of the channel. Some samples (crabs, etc.) observed in the skimmers between cuts were absent at the end of the loads. Observers have been instructed to make an effort to check skimmers during loading.

No incidents.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Chris Slay

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 6/10 - 6/11 1991 Day/Night Loads: 694 - 701

Area Worked: Section 2 station 195-140 (Red Toe)

Conditions: clear wind E 10 kts, seas 1-3', 75°-85° tide: H 0635 L 1252 H 1904 L 0141

Incidents: Turtle Take Load #697 1820 hrs. Remains of a juvenile loggerhead (Caretta caretta) found crunched and stuck in stbd. draghead. Consisted of both flippers, neck, forward quarter of carapace (3 pieces) and plastron. No skull or viscera other than short pieces of trachea and esophagus. There was plenty of muscle tissue and both scapula. Fresh. Estimated carapace

length ~45 cm (over curve)
width ~42 cm
base of skull ~ 9 cm
flipper ~ 28 cm

Sample well photo'd, weighted and disposed of on the dump. No sign of other parts in any of the screens.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Chris Slay

Day / Night

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 6/11/91 Day Loads:

Area Worked:

Conditions:

Incidents:

Fuel Day

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Stand By

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 6/12/91 Loads:

Area Worked:

Conditions:

Incidents:

No observer on board vessel due to mechanical problems with the crew boat. Observer on stand-by on shore all day.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 6/13 - 6/14 1991 (Day/Night) Loads: 714 - 722

Area Worked: Stations: 160 - 147 and 225 - 220

Conditions: Sunny and warm; temps. 76-89°F; winds S-SW 5-10 kts
tide: H 0921 / H 2144
L 1536 L 0421. Overcast the morning of 6/14

Incidents:

No incidents to report. Dredging two distinct materials, sand and mud/silt. Some weed and plant debri on lateral screens with a few biological specimens, eg, blue crab sea squirts, shrimp.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Joseph Ferris

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 6/15/91 Loads: 732 - 735

Area Worked: 160 to 147 and 220 to 205

Conditions: Partly cloudy; Seas, calm to 1' swells; Winds light, 0-5 k
Temp. 80-87°F; Tides H 1117 L 1724

Incidents:

No incidents to report.

Continue alternating between digging of sand along the to mud/silt from another section.

Trawling activity light > 6 vessels and weather pleasant

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Joseph Ferris

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

WEEKLY SUMMARY

Dates: 6/9 - 6/15 1991 Loads: 687 - 735

Areas Worked: Sections: 195 - 140 (Red tve) and 225 - 205 (Red tve to center ch.

Incidents: Only one incident to report for the week:

Turtle take, Load # 697, 6/10/91. Remains of juveniile loggerhead (Caretta caretta) found in the starboard draghead. Flippers, neck, forward quarter of carapace and plastron found in draghead. No skull or internal organs found. Working section 195-140.

Dredging two distinct materials. Primarily sand from section 195-140 along the red tve and a mud/silt from section 225-205.

Program Contractor:
Christopher K. Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer(s) On Duty:
Chris Slay
Joseph Ferris
JSF

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Day / Night

Date: 6/16 - 6/17 1991 Loads: 742 - 751

Area Worked: Section 3, Sta 273 to 260 (Red toe) & 315 to 295 (Green side)

Conditions: P. Cloudy; Seas 1-2'; Winds, 0-15 knts SSW; 78-92°F

Incidents: No incidents to report during this period. Clean-up work on outer section.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:
B. Zoodsma
J. Ferris

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 6/17/91 Day Loads: 752 - 753

Area Worked: Sect. 3, Sta. 273-260 and 315-295

Conditions: Partly cloudy; Seas, calm; Winds, 0-10 knts, SW; 84-88°F

Incidents:

No incidents to report.

Long loads with few biological materials in screens.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Joseph Ferris

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 6/18/91 Loads: 758 - 761

Area Worked: Sect. 2: Sta. 196 to 189 (Red toe) and 221 to 214 (Green toe)

Conditions: Partly cloudy; Seas, 1-2'; Winds, 0-15 knts SSW; 84-86°F

Incidents:

No incidents to report today.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Joseph Ferris

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

DAILY REPORT

Date: 6/19/91 Loads: 764 - 765

Area Worked: Section 2 Station 157 - 148

Conditions: cloudy/showers, wind light, seas 2', 80° tide: L 0842 H 1509

Incidents: "Backing and Filling" on sand slope. "Poor mix" occasionally blasted through skimmers. May be losing some sample.

No incidents.

Dodge Island departs for Savannah tonight.

Program Contractor:
Chris Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer On Duty:

Chris Slay

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge Dodge Island/NATCO
Brunswick Channel

WEEKLY SUMMARY

Dates: 6/16 - 6/19 1991 Loads: 742 - 765

Areas Worked: Section 2 sta 146-196 (Red) 221-214 (Green)
Section 3 sta 260-273 (Red) 295-315 (Green)

Incidents:

Clean-up dredging, not much sea life being found in the screens. The richer the biological sample in the screens - crabs, fish, invertebrates - the more likely we are to see turtles. This is usually associated with the deep and/or muddy areas of the channel or areas which the dredge is moving into for the first time during a job.

The Dodge Island departed the Brunswick Channel for Savannah at 0032 hrs. 6/20/91. The cooperation of NATCO, the COE (Sav.) and especially the crews of the Dodge Island and Sugar Island has been extremely helpful to this program in Brunswick. Thanks.

Program Contractor:

Christopher K. Slay
173 Virginia Ave.
Athens, GA 30601
404-543-6859

Observer(s) On Duty: C. Slay

Joe Ferris
Barbara Zoodsma
Chris Slay