ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Newport

Project: Brunswick Channel, Georgia

DAILY REPORT

Date 01 / 11 / 00 Load Numbers 213 - 221

Area(s) Worked -34+00 to -40+00, -15+00 to -22+00

Weather Conditions (incl. sea conditions) winds NW to SW 5-10 kts, seas calm to 3', skies clear

Range of Water Temp., Surface 57°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.):

- Material dredged continues to be mud/silt - (Sand in stn: -15 to -22)
- 2 pieces of loggerhead (Caretta caretta) carapace found in port forward inflow on load #215, approximately 0610. Pieces consisted of: ① 2 costal scutes, a small portion of vertebral scute and ~5 marginals and ② 1 costal, small section of vertebral and ~3 marginal scutes. Fatty tissue was present on the underside, blood vessels still intact, cuticle still intact, no strong odor. Samples were sent to the GADNR for further analysis - FRESH sample.
- Biological specimens retained in screening include: whelks, horseshoe crabs, flounder, sea pork, sea whip coral, scallops and sea grasses.
- Other materials retained in screening include: wood, plastics, crab pot, rock, fiberglass.
- 9 shrimp trawlers working in area.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Red Jellyfish	5 / 2000+	1047 dump site / 1325 1/2 way to dump
Tursiops truncatus	2	12:50 near buoy #12
Tursiops truncatus	3+ / 3	13:05 breaching near shoal / 1440 buoy #11
Common loon	1	13:50 flying S toward dump - winter plumage

Observer(s) on duty Jan MacKinnon Meghan Piercy

WEEK 5

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Newport

Project: Brunswick, Georgia

WEEKLY SUMMARY

Dates 01 / 10 / 00 - 01 / 16 / 00 Load Numbers 203-248

Range of Water Temp., Surface 51-60°F Below Mid-Depth —

Areas Worked (lat/longs, stations) -34+00 to -40+00; -15+00 to -22+00; -15+00 to -20+00; -12+50 to -22+50; -14+500 to -22+500; -18+500 to -22+500;

Are there incidents involving endangered or protected species? YES NO

Comments (turtle takes, whale sightings, effectiveness of screening, by-catch, material, other info):

~ There was one incident involving the take of a Loggerhead (Caretta caretta) sea turtle, on 01-11-00. See incident report for more information.

~ Material dredged has moved from a large percentage of mud and silt to a higher percentage of sand and shell.

~ Biological specimens included the following: horse shoe crabs, cannonball jellies, spider crab, flounder, whelks, mussels, seawhips, coral, sea stars, blue crab, sea grasses, sea pork, and several shells including scallop, oyster, moonsnail, clam, cockle, helmet, channeled and knobbed whelks, and penshells. Cannonball jellies have been observed from the bridge daily.

~ Non-biological samples included the following: crab pots, plastics, rope, wood, fiberglass, chrome, net, and rubber.

Bridge Watch Summary

Date	Various Species and Respective Number		Comments
01 / 10	Tursiops truncatus (Tt)	5	feeding behaviour
01 / 10	Common Loon (CL)	1	winter plumage
01 / 11	Tt	10+	breaching, traveling
01 / 11	CL	1	
01 / 12	Tt	1	
01 / 13	Tt	5+	
01 / 13	CL	4	
01 16	Tt	2-3	feeding behaviour

Observers on duty J. MacKinnon, M. Piercy, K.A.E. Barber, H. Paige