ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel (Chesapeake Bay, VA)

DAILY REPORT

Date 6 / 04 / 02 Load Numbers 899, 901

Area(s) Worked Mid cut : 36°59.9'N/76°01.2W Red Tows, 96+00/150+00

Weather Conditions (incl. sea conditions) Sunny/hazy → clear/calm, Sea 1-3ft → 0.5-2ft, Wind SE 10-15 knots wind ~5 knots

Range of Water Temp., Surface 70-71°F Below Mid-Depth 70°F

Condition and Effectiveness of Screening Good - All four inflow boxes have hydraulic controlled doors

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.):

A portion of loggerhead carapace (vertebral) was discovered after Load # 901 at 2230 in the PORT FOREWARD INFLOW Screen. The 32 x 30 cm portion of carapace included the nuchal scute, 2 3/4 vertebral scutes, and some part of 7 costal scutes. Sample came from a freshly killed turtle due to pink tissue and blood spots near vertebral bone tissue, lack of foul odor, and sharp protusions of bone fragments. Photographs and measurements were taken and sample was then stored in ship's freezer pending any additional parts that may be recovered in subsequent loads. Bob Richardson (Manson), Chris Slay (Coastwise Consulting), and Kirk Biglow (Army Corps) were all notified. Please see incident report for more details. Screening and draghead were inspected and determined to be in good working order. Other biological catch included 3 horseshoe crabs, skates, whelks, annelids, & assorted crabs. Abiotic catch included wood, tape, and a glove. Trawler "Winds of Fortune" trawled surrounding area between 0500 - 1700 hrs - no turtles caught.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
T. truncatus	4	1310 - SE of channel on port side

Observer(s) on duty Lisa Gregory

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WEEKLY SUMMARY

Dates 05 / 31 / 02 - 06 / 06 / 02 Load Numbers 884-85, 887-88, 889, 891-92, 893-96, *897, 899, 901, 903, 905-06, 908, 910 (* off-duty)

Range of Water Temp., Surface 68-74°F Below Mid-Depth 68-73°F

Areas Worked (lat/longs, stations) Mid cut: 36°59.9'N / 76°01.2'W Stations: 98+00/158+00

Are there incidents involving endangered or protected species? (YES) NO

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

Observer Lisa Gregory (Coastwise Consulting) boarded dredge while docked for repairs on 6/3 @ 1730. All other days during the week, dredge continued operations as usual at stations 98+00 (96+00)/158+00. Trawler, "Winds of Fortune", trawled surrounding area from 5/31 - 6/5. No turtles were captured in trawl. A green sea turtle (Chelonia mydas) was recovered from the PORT FOREWARD INFLOW screen (6/1 - load # 891). A portion of loggerhead (Caretta caretta) carapace was recovered from the same screen on 6/4 (load # 901). Both were determined to be fresh kills. Please see incident reports for more details.

Dredged material included silt and fine sand. Biological by-catch included 175 horseshoe crabs, skates, whelks and other gastropods, annelids, dogfish, bull shark, blue crabs and other assorted crabs, and flounder. Abiotic material included wood, stones, assorted trash, and a gas cylinder.

Bridge Watch Summary

Date	Various Species and Respective Number		Comments
5/31	Tursiops truncatus,	2	0808
5/31	"	8-10	0818
5/31	"	250	1015
5/31	"	8-10	1835
6/4	"	4	1310
6/5	"	2	0730
/			

Observers on duty Lisa Gregory