ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, St. Mary's Channel

DAILY REPORT

Date 03 / 15 / 02 Load Numbers 61, 62, 63, 64

Area(s) Worked Stns 220-305, 30°24'N, 81°21'W + 105-127, 30°42'N, 81°25'W

Weather Conditions (incl. sea conditions) W→SE, 5-10kts, BSS=1-3, clear

Range of Water Temp.. Surface 16°C Below Mid-Depth 15.5°C

Condition and Effectiveness of Screening Good condition. Effectiveness of screening limited due to severe clogging of inflow box w/ clay on loads 63+64, making viewing entire contents of box impossible.

Are there incidents involving endangered or protected species? YES X2 NO

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

- Turtle Take; Load 63; Kemp's Ridley. Signs of life, blinking, head + flipper movement. Beyond rehabilitation. Carapace severly damaged, portions missing, organs exposed + damaged. Movement dimished throughout the examination. 4 photos taken, appropriate personnel notified.
- Turtle take; Load 64; Kemp's Ridley. Found in starboard drashead. Fresh kill, fresh blood + no odour. Carapace cut diagonally in half from left side to right side. Head + flippers (front intact, right rear ballJoint present. 2 photos + all persons notified
- Material dredged; coarse sand; clay + mud.
- Right whale sighting 0926hrs, 30°39'N, 81°25'W (1 adult + calf)
- Biological bycatch; whelk, cockle, ark, oyster, ray,
- 'Winds of Fortune' trawller - no turtles caught.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	3	0645 hrs. buoy 29

Slow bell max. 5 kts @ night.

Observer(s) on duty: Stacie Knight, Susan Hann

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Stuyvesant

Project: Kings Bay, FL

WEEKLY SUMMARY

Date: 03/10/02 - 03/16/02 Load Numbers 41 - 67

Range of Water Temp., Surface 13.5 - 16.5°C Below Mid-Depth 13 - 16.5°C

Areas Worked (lat/longs, stations) Stns 100-220 & 220-305, 30°42'N, 81°21'-25'W.

Are there incidents involving endangered or protected species? (Yes) X2 **No**

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

- Turtle Take; 03/15/02 Load 63. Kemp's Ridley. Signs of life, blinking, head + flipper movement. Beyond rehabilitation. Carapace severly damaged, portions missing, organs exposed + damaged. Movement diminished throughout exam. 4 photos taken, appropriate paperwork + all persons notified.
- Turtle Take; 03/15/02 Load 64. Kemp's Ridley. Found in starboard draghead. Fresh kill; fresh blood, no odour. Carapace cut diagonally in half from top left to bottom right. Head + flippers (front) intact, right rear ball joint present. 2 photos taken, all appropriate paperwork done + all persons notified.
- Material dredged, coarse sand, clay + mud.
- Biological bycatch; knobbed + channel whelk, quahog, horseshoe crab, oyster, skate, cannonball jellies, cockleclam, toadfish, bryozoan, olives, cownose rays.
- Clogging of inflow boxes w/ clay + sand make viewing entire contents impossible
- Large numbers of cannonball jellies in surrounding waters 03/16/02.
- 'Winds of Fortune' trawler; 2 Kemp's Ridley 03/16 caught, 24 hour trawlling from 16th.
- Turtle sighting by 'Winds of Fortune' 03/16/02, 1100hrs, buoy 19A.

Bridge Watch Summary

Date	Various Species and Respective Number		Comments
03/10	Tursiops truncatus	2	0650 hrs, 30°42.65, 81°23'.65 (1 adult + calf in channel)
03/13	Tursiops truncatus	8	1100 hrs, buoy 21
03/14	Tursiops truncatus	4-5	1330 hrs, buoy 19
03/15	Tursiops truncatus	3	0645 hrs, buoy 29
03/16	Tursiops truncatus	5	0640 hrs, buoy 17A.
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Observer(s) on Duty: Stacie Knight, Susan Hann