

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge STUYVESANT - Tampa Bay, FL
USACE, Jacksonville District

312597

Are there incidents involving endangered or protected species? Yes inconclusive No

LOAD # 101 Times: Start 0325 End 0455 Dump 0600

Location(lat/long) Sta 400+00 - 464+00 Tide 1.1

Weather Partly cloudy, winds E 10 knots Surf. Temp 72°F
Below Mid-Depth

Port Draghead NA Deflector:

Stbd Draghead Rock Deflector: couple chain links

^{70% flow} Port Discharge Screening Rock, checked all three for turtle parts.

^{overflow} Stbd Discharge Screening see rock, intestines, white egg cases 133.5 cm

Comments: Fresh intestines found in the overflow, 133.5 cm. appears to be from a sea turtle but inconclusive. Intestines photographed and frozen, observed. The intestine was cut open, small amounts of pus colored mucus found in the lining.

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
<u>2</u>			

Observer(s) On Duty: ERIC Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge STUYVESANT - Tampa Bay, FL

USACE, Jacksonville District

3125197

Are there incidents involving endangered or protected species? Yes incidental No

LOAD # 102 Times: Start 0720 End 0850 Dump 1000

Location(lat/long) Sta 400+00 464+00 Tide 1.7

Weather skies clear, winds SE 10 knots, 5' S-F H₂O Surf. Temp
Below Mid-Depth

Port Draghead NA Deflector:
Stbd Draghead ROCK Deflector: some smaller chains broken in and outside

inflow Port Discharge Screening inspected all three inflow for turtle parts, none found.

overflow Stbd Discharge Screening intestine, see park, trash, milk cage

Comments: 51 cm of intestine found in overflow. intestine photographed and frozen

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
<u>d</u>			

Observer(s) On Duty: ERIC WESTERMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge STUYVESANT - Tampa Bay, FL

USACE, Jacksonville District

DAILY REPORT

Date: 03 / 25 / 97 Loads: 100-105

Area(s) Worked: Stations 400+00-468+00-334+00

Weather Conditions: Skies mostly clear, Winds SE 5-10 knots, Seas 1'-3'

Range of H2O Temperature: Surface 73-74°F Below Mid-Depth NA

Condition of all screening apparatus: Inflow screening in good condition, starboard TED small chains on the bottom of the TED are breaking.

Are there incidents involving endangered or protected species? Inconclusive Yes intestines Frozen.

Comments (type of material being dredged, biological specimens, etc.):

Load 101 and load 102 intestines were found in the overflow. The intestines appeared to be from a turtle. But no other remains were found the rest of the day. The intestines were fresh, no foul order, good color. The first piece found was 133.5 cm and the second piece was 51 cm. When observers dissected intestine only a pus colored substance was found in the lining. The pieces were photographed then frozen. With only finding these two pieces observers felt they could not positively identify the intestines as a incident. These intestines could be brought in to the St Pete lab for positive identification. The inflow baskets and hopper and catwalk were check thoroughly for any other remains, none were detected. But as in the first incident maybe some other remains will show up later.

No bow thruster was used today. Material digging is mud, silt, clay, rock, shell and sand.

Bridge Watch Summary

Table with 4 columns: Species, # of Sightings, # of Animals, Comments. Row 1: Tt, 1, 4, Bottlenose Dolphins

Eric Westerman, Cheryl Ryder

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Project: Egmont Channel, Tampa Bay

INCIDENT REPORT OF SEA TURTLE TAKE BY DREDGING ACTIVITY

Reported as a incident and not a take.

Date 04 / 09 / 97 Time(24hr) 0935

Species of Turtle Taken Caretta caretta, loggerhead

Dredging Site (channel, port, etc.) Tampa Bay, Egmont Channel, buoys 11-12, 9-10.

Location of Take: Latitude 27°37'00"N Longitude 82°51'04"W

Vessel Name and Company Dredge Stuyvesant, Stuyvesant dredging company.

Type of Dredging Activity Hopper, maintenance.

Load # 171 Times: Start 0430 End 0835 Dump 0935

Sampling Method (overflow, inflow, etc.) 100% overflow, one large mid skimmer.

Samples Recovered From Aft inflow, screens not in use but some debris still sampl

Condition of Screening Open, screens removed, dredge 100% overflow screened.

Draghead Deflector? Yes No

Condition of Deflector ok, one or two small chains broken.

Weather Conditions Skies cloudy, Winds NE 7 knots, Seas 2'-3' tide 0.9

Water Temperature: Surface 74° Column _____ C or F (circle one)

Condition of Specimen(s) Sampled Badly decomposed, foul in odor, skin color

pale white and pale yellow. Muscle grayish and black in color.

Measurements--

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

Head Width Missing

Plastron Length Missing Width Missing

Carapace S. L. Length Missing S.L. Width Missing

Carapace O.C. Length Missing O.C. Width Missing

Turtle Tagged? Yes NA No Tag # _____ Tag Date / /

Comments A badly decomposed fore right flipper was sampled in the aft inflow screen. The length was 48cm, 20.3 width. The claw measured 3cm in length. The flipper was photographed and frozen. The flipper is reported as a incident and not a take.

Observer's Name Eric Westerman, Cheryl Ryder

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge STUYVESANT - Tampa Bay, FL
USACE, Jacksonville District

04 / 09 / 97

Are there incidents involving endangered or protected species? Yes No

LOAD # 171 Times: Start 0430 End 0835 Dump 0935

Location(lat/long) Stations 337+00-468+00 Tide 0.9

Weather Skies cloudy, Winds NE 7 knots, Seas 2'-3' H₂O Surf.Temp 74°F
Below Mid-Depth

Port Draghead Not used, under repairs Deflector:

Stbd Draghead Rope Deflector: ok

Inflow
~~Port Discharge~~ Screening Decomposed loggerhead fore right flipper, rock, shell,
trash

~~Stbd Discharge~~ Overflow
Screening Sea pork, trash

Comments: Bow thruster used 800-801 station 400est.

Loggerhead turtle sighted next to buoy 9 in the cut.

Sighted 0821, large in size, dove N away from dredge.

27°36.233N, 082°52.099W, dragarm was about 60 feet behind
the turtle.

Observer went into the inflow baskets to check for
any remains of the Cc incident from load 170. In the
aft inflow basket on the starboard side a badly
decomposed fore flipper of a loggerhead was sampled.
Incident from load 170 buried with some anchor chain
at the disposal area.

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Cc	1	0821	In the cut, next to buoy 9.

Eric Westerman

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge STUYVESANT - Tampa Bay, FL

USACE, Jacksonville District

04 / 09 / 97

Are there incidents involving endangered or protected species? Yes No

LOAD # 171 Times: Start 0430 End 0835 Dump 0935

Location(lat/long) Stations 337+00-468+00 Tide 0.9

Weather Skies cloudy, Winds NE 7 knots, Seas 2'-3' H2O Surf.Temp 74°F
Below Mid-Depth

Port Draghead Not used, under repairs Deflector:

Stbd Draghead Rope Deflector: ok

Inflow
~~Port Discharge~~ Screening Decomposed loggerhead fore right flipper, rock, shell,
trash

~~Stbd Discharge~~ Overflow
Screening Sea pork, trash

Comments: Bow thruster used 800-801 station 400est.

Loggerhead turtle sighted next to buoy 9 in the cut.

Sighted 0821, large in size, dove N away from dredge.

27°36.233N, 082°52.099W, dragarm was about 60 feet behind
the turtle.

Observer went into the inflow baskets to check for
any remains of the Cc incident from load 170. In the
aft inflow basket on the starboard side a badly
decomposed fore flipper of a loggerhead was sampled.

Incident from load 170 buried with some anchor chain
at the disposal area.

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Cc	1	0821	In the cut, next to buoy 9.

Eric Westerman

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge STUYVESANT - Tampa Bay, FL

USACE, Jacksonville District

WEEKLY SUMMARY

Dates: 04 / 07 / 97 - 04 / 13 / 97 Loads: 160-187

Range of H2O Temperature: Surface 73 -76°F Below Mid-Depth NA

Area(s) Worked: Stations 337+00-468+00

Are there incidents involving endangered or protected species? Yes X No

Comments: There were two takes and one incident detected this week. Load 170 a adult female loggerhead was sampled in the starboard draghead. About 65% of the carapace and all major organs and intestine were missing. Load 171 a badly decomposed fore flipper of a loggerhead was detected in the mid inflow basket. Load 181 a kemp's ridley was sampled in the mid inflow basket. About 55% of the carapace and all major organs and the left side flippers and plastron were missing. From the three turtles sampled only 49cm of intestine was sampled in the overflow screen. The overflow screen is in good condition. The screen is also welded down about six inches in the skimmer. The screen has been sampling sea pork, skates and rays, flounder, blue crabs, whelk egg cases and trash. Of the two turtles sampled in the inflow basket the Kemp's ridley was found laying against the mid center screen in the lander and the loggerhead flipper was found wedged in lateral screen towards the right open side of the screen.

Two loggerhead sea turtles were sighted in the cut this week. Material digging is sand, silt, mud, clay, shell and rock. The tug Kinsman Challenger continues to plowing operations with the project in the digging area.

Bridge Watch Summary

Table with 4 columns: Species, # of Sightings, # of Animals, Comments. Rows include Cc (Loggerhead sea turtles) and Tt (Bottlenose Dolphins).

Eric Westerman, Cheryl Ryder

Observers On Duty: