

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Stuyvesant
Egmont Channel /USACE, Jacksonville District

DAILY REPORT

Date: 03 / 03 / 97 Loads: 01

Area(s) Worked: Stations 335+00-402+00

Weather Conditions: Partly cloudy, fog, Winds SW 10 knots, Seas 1'-3'

Range of H₂O Temperature: Surface 72°F Below Mid-Depth NA

Condition of all screening apparatus: Good, still putting on the starboard TED.
Only dug with with the port arm today.

Are there incidents involving endangered or protected species? Yes No None Detected

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

The dredge is equipped with three inflow landers.
Each lander is approximately 26' long and 16' wide. The highest
height in the lander is over 7'. The 4"x4" screening is also
placed on top of the lander. The lander is submerged during
some of the load. There is a hatch door in the fore starboard
corner of each screen that is 19"x19". The dredge has 100%
inflow screen set-up.

One load was dug today. Large quantities of rock,
shell, clay and debris was dug up. The screens were all full
of rocks. With only a one hour transit time each way this was
not enough time to clean out all the cages. With the large cages
and the amount of material being sampled it is not possible to
clean out the inflow cages all the way without stopping
dredging procedures for several hours.

There is a lock out, tag out procedure for the
observers before they enter the inflow cages. Water Temperatures
are taking by the observers in the cut area from the dredge.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
No sightings			

Eric Westerman, Cheryl Ryder

Observer(s) On Duty: _____

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *Stuyvesant*
Tampa Bay, Edmont Channel USACE,

DAILY REPORT

Date: 03 105 197 Loads: 5-9

Area(s) Worked: Stations 400⁺ to 465⁺

Weather Conditions: Fog to partly cloudy and clear skies; winds calm to SE 5-10 kt; seas calm to 2'

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

Condition of all screening apparatus: Both TEDS are in good condition. Inflow screening remains in good working order with the potential to sample effectively. It continues to require extensive time and man hours to clean existing screening of debris.

Are there incidents involving endangered or protected species? Yes No None detected

* Note: not all of the material deposited in the screens this working day has been examined.

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

Material dredged continues to be rock, clay, mud, sand and shell. Biological samples recorded included: whelks, starfish, sand dollars, sponges, one skate and a shark. A large percentage of the material in the screening remains unexamined due to continuing buildup of rock, clay, shell and sand. It required hours of labor with rudimentary tools to keep the aft screening clean enough to continue dredging. An additional 19x19" hatch was cut on the port side of the aft screening at the completion of load #8, allowing for a marginal improvement in cleaning efficiency. Plans to modify existing screening to allow for more timely cleaning were abandoned in favor of draghead modifications. Due to the nature of the material (a lot of small rocks and clay) it is anticipated that there will still be substantial debris requiring extensive hand cleaning by observers and crew.

The bow thruster was used once during this working day at 2055 for less than a minute at the dumpsite during a man overboard drill.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>0</u>	<u> </u>	<u> </u>	<u>None observed</u>
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Observer(s) On Duty: Eric Websterman, Cheryl Ryder

ENDANGERED SPECIES OBSERVER PROGRAM
 Dredge Stuyvesant
 Egmont Channel / USACE, Jacksonville District

DAILY REPORT

Date: 03 / 06 / 97 Loads: 10-13

Area(s) Worked: Stations 400+00-465+00

Weather Conditions: Skies partly cloudy, Winds calm to NW 10-15 knots, Seas 1'-2'

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

Condition of all screening apparatus: New hatch door was put in the mid lander.
Now the aft and mid cages have two hatch doors. Inflow screening
intact and sampling is good.

Are there incidents involving endangered or protected species? Yes No None detected

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

Large quantities of rock, shell, clay and sand
is still being sampled in the inflow cages. The crew has been
a tremendous help in cleaning out the cages. The crew has been
very helpful in this inflow debris build up problem. Still with
all the help just managing to keep one basket clean to keep
dredging. Cleaning of debris has started on the way to the
dump and back from the dump site. The dump site is an hour
from the cut.

Since load twelve the dredge is only digging
with the port dragarm. Welders have begun to weld new bars in
the starboard draghead. Openings will be 4"x4" in the draghead.
In hope that this will cut down on the debris in the inflow
cages. If this solution does not work other alternative
sampling methods should be considered. Such as a 100% overflow
screens. But the starboard draghead should be finished in a day
and hopefully it will make the situation manageable. No bow thruster
was used today.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>No sightings</u>	<u> </u>	<u> </u>	<u> </u>
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Eric Westerman, Cheryl Ryder

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Stuyvesant
Egmont Channel /USACE, Jacksonville

DAILY REPORT

Date: 03 / 08 / 97 Loads: 18-22

Area(s) Worked: Stations 400+00-465+00

Weather Conditions: Skies clear, WINDs E 5-15 knots, Seas calm to 4'

Range of H₂O Temperature: Surface 72-73^oF Below Mid-Depth NA

Condition of all screening apparatus: Good, new rods welded into the port draghead to make smaller openings. New hatch welded into the fore starboard side inflow basket, all three cages now have two hatch openings.

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

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

Sample quantity of rock, shell and clay decreased some on a couple of loads today. Although relatively still a lot debris is being sampled. It's still taking the observer and a couple of crew members to clean the baskets all the way. This is the first time since the second load that we have been able to catch up on all the baskets and get them cleaned out all the way.

Sample quality remains very good. Samples today consisted of rock, shell, clay, trash, sponge, blue crabs, whelks, flounder, skates, pen shell and old turtle bones.

No bow thruster was used today. Phil Bates from USACE Jacksonville district was out today to look at the inflow screen problem.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tt</u>	<u>1</u>	<u>2</u>	<u>Bottlenose Dolphins</u>
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Eric Westerman, Cheryl Ryder

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Stuyvesant
Egmont Channel /USACE, Jacksonville District

DAILY REPORT

Date: 03 / 09 / 97 Loads: 23-27

Area(s) Worked: Stations 400+00-465+00

Weather Conditions: Skies partly cloudy, Winds 5-12 knots, Seas 1'-3'

Range of H₂O Temperature: Surface 72-73°F Below Mid-Depth NA

Condition of all screening apparatus: Inflow screening intact and in good working order, sample quality is good. Repairs made to both TEDs, small chains are breaking and repairs continue.

Are there incidents involving endangered or protected species? Yes No None detected

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

Material in the inflow baskets is back to unmanageable portions. Observers and crew members sometimes are not even able to clean out one inflow cage per load. Cages are full of rock, shell, clay and sand. From the material in the inflow cages the new bars in the starboard draghead have not had the impact it was intended to have. Material in the cages are continued to be cleaned by hand, pick axes and crowbars.

Other samples include horseshoe crabs, sea pork, whelks, butterfly rays, smooth skates and trash. Material digging is rock, shell, clay and silt. No bow thruster was used today.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tt</u>	<u>1</u>	<u>3</u>	<u>Bottlenose dolphins</u>
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Eric Westerman, Cheryl Ryder

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Stuyvesant
Egmont Channel / USACE, Jacksonville District

DAILY REPORT

Date: 03 / 10 / 97 Loads: 28-32

Area(s) Worked: Stations 400+00-465+00

Weather Conditions: Skies partly cloudy, Winds variable 5-15 knots, Seas 1'-3'

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

Condition of all screening apparatus: Repairs made today to the starboard TED, small chains breaking on the outboard side. Mid port side hatch door loose but holding in place.

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

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

Extremely large quantities of rock and shell were dug today. The dredge was only loading into the mid lander. But still the observers and crew members could not clean out the lander all the before the dredge got back to the cut area. Finally the dredge had to take a delay so the observers and crew members could catch up with cleaning the debris in the basket.

Biological samples remain very small in quantity. Samples in the inflow baskets today include rock, shell, clay, sand, horseshoe crabs, butterfly ray, whelk egg casing and old turtle bones.

No bow thruster was used today.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>No sightings</u>	<u> </u>	<u> </u>	<u> </u>
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Eric Westerman, Cheryl Ryder

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge

/ USACE,

DAILY REPORT

Date: 3 11 197 Loads: 33-37

Area(s) Worked: Stations 400⁺⁰⁰ to 465⁺⁰⁰

Weather Conditions: Skies partly cloudy to clear; seas calm to 3'; winds calm to N 5-10kt

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

Condition of all screening apparatus: Inflow screening in good working condition. Port mid hatch cover still loose but functional.

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

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

Material dredged continues to be rock, shells, clay and sand with considerable debris in the screening and few marine samples (sponges, star). The aft ladder remains fully compacted with debris and loading was through the mid ladder only. With cleaning effort focused on the mid ladder, the dredge was able to dig without delay throughout this working day.

Jeff Brown (NMFS) was on site along with additional NMFS and USACE personnel to give approval for a transition to overflow screening in an effort to reduce the man hours involved in cleaning the current inflow screening. Work on this initiative is proposed to start 3/12 with various design factors yet to be addressed.

A small adult female loggerhead in advanced stages of decomposition was observed floating past the dredge at buoys 11+12 at 1000. Specimen was examined by observers from crewboat. See attached report for additional information.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Caretta caretta</u>	<u>1</u>	<u>1</u>	<u>Dead ♀ observed floating on surface from dredge</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: Eric Westerman, Cheryl Ryder

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Stuyvesant
Egmont Channel / USACE, Jacksonville District

DAILY REPORT

Date: 3 1 12 197 Loads: 38-40

Area(s) Worked: Stations 400⁰⁰ to 465⁰⁰

Weather Conditions: Skies partly cloudy; seas 1-3'; wind N 5-10kt

Range of H₂O Temperature: Surface 74-75°F Below Mid-Depth 74°F at anchorage

Condition of all screening apparatus: Inflow screening rendered ineffective to prevent accumulation of debris. Overflow screening installed over upper skimmer is in excellent working condition.

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

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

Material dredged was rock shell, clay and sand. Biological samples included sponges and one blue crab. Loads #38 and #39 were the last loads dredged with the inflow screening intact and sampling. At the completion of load #39 Stuyvesant went to anchor from 0900-1800 to place overflow screening on the upper skimmer and cut release holes on the port and starboard sides of the front of the mid and aft inflow screening, rendering them ineffective for sampling. Load #40 flushed cleanly with minimal rock and rope accumulation. Observers should now be able to address all debris accumulation in screening without assistance from Stuyvesant crew. Biological samples recorded today were from the overflow screening which has been improved over the previous design by being depressed 8" with a lip to prevent loss of samples. Access to the upper skimmer is direct and safe.

No bow thrusters were used today.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Ø</u>	<u> </u>	<u> </u>	<u>None Observed</u>
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Observer(s) On Duty: Eric Westerman, Cheryl Ryden

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *STUYVESANT* - Tampa Bay, FL

USACE, Jacksonville District

DAILY REPORT

Date: 03 / 13 / 97 Loads: 41-45

Area(s) Worked: Stations 400+00-465+00

Weather Conditions: Skies variable, Winds SE 5-15 knots, Seas 2'-3'

Range of H₂O Temperature: Surface 73-75°F Below Mid-Depth NA

Condition of all screening apparatus: Overflow screening intact and working fine. A couple of small chains on the TED need some welding.

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

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

The fauna samples remain the same in the overflow screen as they did in the inflow screen. Samples today consisted of blue crabs, shameface crabs, shark pieces, sponges, sea pork, seaweeds, skate, worms and trash. The inflow cages are checked after every load, small amounts of rocks are still being sampled.

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

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>No sightings</u>	<u> </u>	<u> </u>	<u> </u>
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Observer(s) On Duty: Eric Westerman, Cheryl Ryder

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge STUYVESANT - Tampa Bay, FL

USACE, Jacksonville District

DAILY REPORT

Date: 03 / 16 / 97 Loads: 57-61

Area(s) Worked: Stations 400+00-465+00

Weather Conditions: Skies clear, Winds NE 5-15 knots, Seas 2'-5'

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

Condition of all screening apparatus: Good

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

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

Load 58 a partial part of a fresh loggerhead was sampled in the port side of the skimmer. About 25% of the turtle was sampled. The right rear flipper with partial central, lateral and marginal scutes was sampled. The turtle was juvenile in size. An estimated straight length carapace measurement would be 57 cm in length and 40 cm in width. No other remains of the turtle was found in the open inflow cages or the draghead.

Nor were any other parts dug up the rest of the day. Due to the fact that other parts maybe dug up in the future the turtle was frozen so that it could be matched up with any other parts dug up. No bow thruster was used during load 58.

Samples remains small in quantity. Samples today include partial loggerhead, spider crabs, sponges, sea pork, whitefin sharksucker, horseshoe crab, eel, polychaete worms, seaweeds and trash.

The bow thruster was used at 2303-2307 unseated at stations 465+00.

Bridge Watch Summary

Table with 4 columns: Species, # of Sightings, # of Animals, Comments. Row 1: No sightings

Eric Westerman, Cheryl Ryder

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *STUYVESANT* - Tampa Bay, FL

USACE, Jacksonville District

WEEKLY SUMMARY

Dates: 03 / 10 / 97 - 03 / 16 / 97 Loads: 28-61

Range of H₂O Temperature: Surface 72-75°F Below Mid-Depth NA

Area(s) Worked: Stations 400+00-465+00

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

Comments: Load 58 a fresh dead partial loggerhead sea turtle
was sampled. About 25% of the right posterior quarter of the
turtle was sampled in the overflow system. The turtle was
photographed and measured. The turtle was also frozen aboard
the ship in case other remains of the turtle are sampled in
the future. Also during load 35 a dead loggerhead was sighted
in the project area. The observers attempted to retrieve
the specimen from the crew boat but were unsuccessful. The turtle
was a small female adult loggerhead. The turtle was severely
decomposed. The turtle was bloated floating ventral side up.
The turtle was turned over, the upper right quarter of the carapace
was shattered. But with the severely decomposed state the turtle
was in there in no evidence associate this mortality the dredge.

The 100% inflow screening was changed this week
to 100% overflow screening. This was due to the extremely
large quantities of rock that is being dug. With help and
approval NMFS and USACE it was decided the best solution for
the inflow problem would be to go to 100% overflow screening.
On the 12th this change over was done.

The bow thruster was used once this week unseated
for four minutes. The TEDS had minor repairs this week.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Cc</u>	<u>1</u>	<u>1</u>	<u>Dead loggerhead sea turtle</u>
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Eric Westerman, Cheryl Ryder

Observers On Duty:

Dredge Stuyvesant
Egmont Channel

Date: 03 / 17 / 97

Additional Comments: is most likely that of the turtle taken yesterday.

The two flippers were photographed next to each. Both samples
were placed in the freezer. There is still 3/4 of the carapace
and the head and two anterior flippers that the dredge may
dig up in the future.

Samples in the skimmer today included blue crabs,
skates, sponges, whelk egg cases, state cases, dolly varden crab,
worms and trash.

The tug Kinsman Challenger has been working
in the project area for about a day and a half. The tug
has a forty two foot plow that works in the cut area leveling
the bottom area.

The bow thruster was used today at 2320-2330
at stations 465+00. This was due to port engine problems.

Material digging is sandy silt, mud, rock,
shell and small amount of clay.

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

DAILY REPORT

Date: 03 / 19 / 97 Loads: 74-79

Area(s) Worked: Stations 335+00 to 468+00

Weather Conditions: Skies clear to partly cloudy; seas calm to 3'; wind SSE calm to

Range of H₂O Temperature: Surface 72-74°F Below Mid-Depth 73°F 15 Kt

Condition of all screening apparatus: Overflow screening in good working condition.

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

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

Material dredged continues to be rock, shell, clay, mud and sand with few
marine samples. Samples from the overflow screening included: blue crabs,
sea pork, mantis shrimp, sponges, southern stingray, seaweeds, sea cucumber
and unidentified fish parts. The inflow screening remnants and hopper
catwalk contained rock, shell and trash. Loads #77-79 were dredged with
the starboard arm only due to port dredge pump repairs. The dredging area
was expanded from station 465+00 to 468+00. No bow thrusters were utilized
during this working day.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u> </u>	<u> </u>	<u> </u>	<u>None Observed</u>
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Eric Westerman, Cheryl Ryder

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *STUYVESANT* - Tampa Bay, FL

USACE, Jacksonville District

DAILY REPORT

Date: 03 / 20 / 97 Loads: 80-81

Area(s) Worked: Stations 335+00-468+00

Weather Conditions: Skies overcast, rain, Winds w-sw 5-10 knots, Seas 1'-2'

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

Condition of all screening apparatus: Good

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

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

Overflow samples were small in quantity
today. Samples consisted of blue crabs, sponges, sea pork,
seaweeds and trash. Inflow samples were rock and shell.

The dredge went into port Manatee today
for fuel and water. All loads today were only dug with
the starboard dragarm. No bow thruster was used today in
the project area.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			<u>No sightings</u>

Observer(s) On Duty: Eric Westerman, Cheryl Ryder

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge STUYVESANT - Tampa Bay, FL

USACE, Jacksonville District

DAILY REPORT

Date: 03 / 22 / 97 Loads: 88-92

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

Weather Conditions: Skies partly cloudy, Winds W-NW 10-20 knots, Seas 3'-5'

Range of H2O Temperature: Surface 72°F Below Mid-Depth NA

Condition of all screening apparatus: Good

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

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

Samples today have been very small in quantity. Samples today included sea pork, whelk egg cases, skate and trash. Inflow samples remaining in the open cages is mainly rock.

At 1119 a loggerhead sea turtle was sighted on the way to the dump. The turtle was sighted west of buoys 3-4 in the channel on the north side, 27°35.431'N, 082°57.772W. The turtle was adult in size.

The bow thruster was used at 0807-0812 unseated at stations 334+00. Material digging is mud, silt, rock, shell, clay and sand. Load 92 starboard dragarm disabled by a broken block. The dredge went into anchorage for repairs. The port dragarm remains unused awaiting repairs.

Bridge Watch Summary

Table with 4 columns: Species, # of Sightings, # of Animals, Comments. Row 1: Cc, 1, 1, Adult loggerhead sea turtle (outside the digging area)

Eric Westerman, Cheryl Ryder

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

DAILY REPORT

Date: 03 / 23 / 97 Loads: 92 completed (started 3/22)

Area(s) Worked: Stations 400+00 to 468+00

Weather Conditions: Skies overcast; seas 2-3'; wind SE 5-10 Kt

Range of H₂O Temperature: Surface 72°F Below Mid-Depth NA

Condition of all screening apparatus: All screening in good working condition.

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

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

The Stuyvesant was at anchor at Egmont Key anchorage from 0430 to 1745 to repair broken block on starboard dragarm. Load #92 was resumed at 1815. This was the only load dredged today. Samples from the overflow screening included: sea pork, sponges, whelk egg cases and plastic debris. No bow thrusters were utilized during this load.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			None Observed

Eric Westerman, Cheryl Ryder

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge STUYVESANT - Tampa Bay, FL

USACE, Jacksonville District

DAILY REPORT

Date: 03 / 24 / 97 Loads: 94-99

Area(s) Worked: Stations 400+00-468+00-335+00

Weather Conditions: Skies clear and partly cloudy, Winds variable 5-15 knots,

Range of H2O Temperature: Surface 72-73°F Below Mid-Depth NA Seas 1'-4'

Condition of all screening apparatus: Inflow screening good, starboard TED the small chains are starting to break on the bottom.

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

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

At 0735 while the dredge was digging a sea turtle was sighted in the cut area. The turtle was sighted on the port side of the dredge about even with the bow and about 175 feet to the side. The dredge is still only digging with the starboard side. The turtle was sighted diving. From the quick sighting species identification was not possible. The turtle was not large in size and was dark colored. Probable Kemp's ridley or green turtle. The turtle was diving towards the green side of the channel while the dredge was digging digging the red toe line.

Samples today were small in quantity. Samples mainly consisted of sea pork, sponge, whelk egg cases and trash.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Unidentified sea turtle	1	1	27°36.326'N, 082°50.370'W
Tt	1	4	Bottlenose Dolphins

Eric Westerman, Cheryl Ryder

Observer(s) On Duty:

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

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

DAILY REPORT

Date: 03 / 27 / 97 Loads: 112-115

Area(s) Worked: Stations 400+00-465+00-334+00-468+00

Weather Conditions: Partly cloudy, Winds NW 5-8 knots, Seas calm

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

Condition of all screening apparatus: Inflow screen intact, starboard TED
has some small chains on the bottom broken.

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

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

Samples remain small in quantity. Samples today consisted of sea pork, whelk egg cases, mantis shrimp, blue crabs, worms and trash. Inflow samples remain rock and shell.

Below mid-depth water temperatures are taken when available from the dredge. Surface temperatures are always taken from the cut area. Material digging is mud, silt, sand, clay, rock and shell. No bow thruster was used today. The dredge went to anchor at 1730 for repairs.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>sightings</u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

(s) On Duty: Eric Westerman, Cherly Ryder

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge STUYVESANT - Tampa Bay, FL

USACE, Jacksonville District

DAILY REPORT

Date: 03 / 28 / 97 Loads: 116-120

Area(s) Worked: Stations 334+00 to 468+00

Weather Conditions: Skies clear; seas calm; winds calm

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

Condition of all screening apparatus: Overflow screening in good working condition. Starboard TED in need of minor chain mesh welding.

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

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

Material dredged continues to be a mix of sand, shell, rock, silt and clay.

Samples from the overflow screening included: butterfly rays, sea pork, blue crabs, sponges, tunicates, southern stingray and skates.

There were two sightings of unidentified turtles in the dredging area during load # 117. The first sighting at 1006 was a probable loggerhead or green of small size just east of buoys 11-12, 25' off the port bow at latitude 27°36.419' N and longitude 82°50.183 W. Turtle was initially observed by the mate and then sighted by observer E. Westerman. The second turtle was observed at 1013 in the cut area, along the red tow line by the pipeman at latitude 27°36.395' N and longitude 82°50.525' W and identified as a probable loggerhead. This turtle was not observed by an observer.

The Stuyvesant was on anchor at Egmont Key Anchorage for repairs until 0500.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
unidentified sea turtles	2	2	One in the cut and one just outside the cut area.

Eric Westerman, Cheryl Ryder

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge STUYVESANT - Tampa Bay, FL

USACE, Jacksonville District

DAILY REPORT

Date: 03 / 30 / 97 Loads: 124-129

Area(s) Worked: Stations 400+00-468+00-344+00

Weather Conditions: Mostly clear, Winds light airs, Seas calm

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

Condition of all screening apparatus: Overflow screen intact and working fine. TEDs remain the same, some small chains broken.

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

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

Two sea turtles were sighted today. The first sighting was at 0825 between buoys 8-6. The turtle was sighted floating on the surface from a long distance away. The turtle dove as the dredge got closer. The dredge was too far away to identify species or size. The turtle was sighted outside the digging area. The second turtle was sighted at 0855 in the cut area. The was an adult loggerhead that was dead. The turtle was severely decomposed floating dorsal side up. The carapace severed from the anterior left side of the fore flipper to the mid posterior portion of the carapace. The observer was able to take photographs of the turtle as the dredge dug by the floating carcass. From the sighting there is no way to associate or totally disassociate incident with the project.

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

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Cc	1	1	Dead loggerhead, 27°35'935N, 082°54.753W
Unidentified sea turtle	1	1	27°35.935'N, 082°54.753'W

Eric Westerman, Cherly Ryder

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *STUYVESANT* - Tampa Bay, FL

USACE, Jacksonville District

DAILY REPORT

Date: 03 / 31 / 97 Loads: 130-134

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

Weather Conditions: Skies variable; seas calm to 6'; Winds calm to NW 25 Kt

Range of H₂O Temperature: Surface 75-76^oF Below Mid-Depth NA

Condition of all screening apparatus: Overflow screening is in good working condition.
Mesh on both TEDs in need of minor welding.

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

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

Material dredged continues to be a mix of sand, shell, rock, silt and clay
with few marine samples. Specimens from the overflow screening included:
sea pork, sponges, soft corals, butterfly rays, blue crabs, tunicates, sea-
weeds. The dredge is now dredging longer loads with four cuts per load.
No bow thrusters were utilized during this working day.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
_____	_____	_____	None Observed
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Eric Westerman, Cheryl Ryder

Observer(s) On Duty: _____

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *STUYVESANT* - Tampa Bay, FL

USACE, Jacksonville District

DAILY REPORT

Date: 04 / 02 / 97 Loads: 140-145

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

Weather Conditions: Skies partly cloudy, Winds E 10-20 knots, Seas 2'-3'

Range of H₂O Temperature: Surface 72-73⁰F Below Mid-Depth _____

Condition of all screening apparatus: Inflow screening intact and working fine. Starboard TED pin welded today, minor mesh repairs needed on both TEDs.

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

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

Sample quantity was larger than normal.

Small increase in the same debris and have been picking up larger quantities of cable lately. Samples today include sea pork, seaweeds, soft corals, flounder, sponge, whelk egg cases and trash. Inflow samples continue to be rock, shell, trash and cable.

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

Disposition of partial loggerhead sampled load 58 3-16-97, loggerhead flipper sampled 3-17-97 load 64, intestines sampled load 101 and 102 on the 3-25-97. Per USACE instructions were given today to dispose of frozen parts at the disposal site today. The parts were thawed out and weighted down with rocks, tied off and dumped at the disposal site on load 145.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
_____	_____	_____	<u>No sightings</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Eric Westerman, Cheryl Ryder

Observer(s) On Duty: _____

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge STUYVESANT - Tampa Bay, FL

USACE, Jacksonville District

DAILY REPORT

Date: 04 / 03 / 97 Loads: 146-149

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

Weather Conditions: Skies partly cloudy, Winds E 10-15 knots, Seas 2'-3'

Range of H2O Temperature: Surface 72°F Below Mid-Depth

Condition of all screening apparatus: Inflow screening intact and working fine. TEDs remain the same, couple of small chains broken.

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

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

Samples today were small in quantity. Samples today consisted of sea pork, whelk egg cases, flounder, sponge, butterfly ray, blue crabs, lady crabs and trash.

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

Bridge Watch Summary

Table with 4 columns: Species, # of Sightings, # of Animals, Comments. Row 1: No sightings.

Eric Westerman, Cheryl Ryder

Observer(s) On Duty:

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge *STUYVESANT* - Tampa Bay, FL

USACE, Jacksonville District

DAILY REPORT

Date: 04 / 04 / 97 Loads: 150-151

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

Weather Conditions: Skies partly cloudy, Winds E 7-15 knots, Seas 2'-4'

Range of H₂O Temperature: Surface 72°F Below Mid-Depth _____

Condition of all screening apparatus: Overflow screening intact and working fine.
The TEDs have some small chains broken.

Are there incidents involving endangered or protected species? Yes _____ No x

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

Only two loads were dug today, most
of the day the dredge was in port Manatee for fuel and
repairs. Samples today included sea pork, whelk egg cases,
seaweeds, southern stingray, sponges and trash. The bow
thruster was used once today around station 425+00 for
three minutes.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
_____	_____	_____	<u>No sightings</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Eric Westerman, Cheryl Ryder

Observer(s) On Duty: _____

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *STUYVESANT* - Tampa Bay, FL

USACE, Jacksonville District

DAILY REPORT

Date: 04 / 06 / 97 Loads: 156-159

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

Weather Conditions: Skies partly cloudy to clear; seas 2-4'; wind SE 5-15 kt

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

Condition of all screening apparatus: Overflow screening in good working condition.
Main support shackle on port TED broke during load #157 and was repaired
at end of load.

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

Comments (type of material being dredged, biological specimens, etc.):
Material dredged continues to be a mix of sand, shell, rock, silt and clay.
Samples from the overflow screening included: sea pork, whelk egg cases
and seaweed. Loads #157-159 were dredged with the port arm only while
starboard dredge pump repairs were ongoing. Loads have been longer in
duration (2 1/2-3 hours). The bow thruster was utilized from 1033-1034
at station 385+00.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tursiops truncatus</u>	<u>1</u>	<u>3</u>	<u>Bottlenose dolphins observed adjacent</u> <u>to buoy #6</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

Eric Westerman, Cheryl Ryder

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *STUYVESANT* - Tampa Bay, FL

USACE, Jacksonville District

WEEKLY SUMMARY

Dates: 03 / 31 / 97 - 04 / 06 / 97 Loads: 130-159

Range of H₂O Temperature: Surface 72-76°F Below Mid-Depth NA

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

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

Comments: No turtles were sampled or sighted this
week. The overflow screening is intact and working fine.
Samples this week mainly consisted of sea pork, blue crabs,
wkelk egg cases, sponges, seaweeds, southern stingrays,
butterfly rays, flounder, lady crabs, dolly varden crabs
and trash. Inflow samples remain rock, shell and trash.

Repair work was done on both TEDs this
week. The pins and large shackles broke and repairs were
done immediately. The bow thruster was used twice for a total
time of about five minutes. Per USACE frozen turtle remains
and intestines were disposed of at the dump site. Material
digging consist of silt, sand, mud, rock, shell and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tt</u>	<u>1</u>	<u>3</u>	<u>Bottlenose Dolphins</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Eric Westerman, Cheryl Ryder

Observers On Duty: _____

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

DAILY REPORT

Date: 04 / 07 / 97 Loads: 160-164

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

Weather Conditions: Skies partly cloudy to overcast, rain showers, seas 1-3' wind SE

Range of H₂O Temperature: Surface 73°F Below Mid-Depth NA calm to 10Kt

Condition of all screening apparatus: Overflow screening in good working condition.

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

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

Material dredged continues to be a mix of sand, shell, rock silt and clay.
Samples from the overflow screening included: sea pork, sponges, mantis shrimp,
blue crab, whelk egg cases and seaweeds. All loads were dredged with the
port arm only. Port draghead damaged during load number 164 and dredging
of load #165 resumed with the repaired starboard arm only. No bow thrusters
were utilized today.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tursiops truncatus</u>	<u>3</u>	<u>26</u>	<u>Bottlenose dolphins observed outside the</u> <u>channel and in transit to disposal area</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

Eric Westerman, Cheryl Ryder

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

DAILY REPORT

Date: 04 / 08 / 97 Loads: 165-169

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

Weather Conditions: Skies mostly cloudy, Winds NE 5-20 knots, Seas 2'-5'

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

Condition of all screening apparatus: Overflow screening in good condition.

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

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

Samples today were small in quantity. Samples
consisted of sea pork, trash, whelk egg cases and blue crabs.
All loads were dug with the starboard dragarm. Material
digging is silt, sand, clay, rock, shell and mud.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			No sightings

Observer(s) On Duty: Eric Westerman, Cheryl

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge STUYVESANT - Tampa Bay, FL

USACE, Jacksonville District

DAILY REPORT

Date: 04 / 10 / 97 Loads: 173-174

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

Weather Conditions: Skies overcast, winds E 5-15 kt, seas 2-3'

Range of H2O Temperature: Surface 72-73°F Below Mid-Depth NA

Condition of all screening apparatus: Overflow screening is in good working condition.

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

Comments (type of material being dredged, biological specimens, etc.): Only two loads were dredged today. The Stuyvesant went into Port Manatee from 0900 to 2200 for repairs to the starboard dragarm.

Material dredged was a mix of sand, shell, rock, mud and clay. Samples from the overflow screening included sea pork and blue crabs. Load #173 briefly loaded through the forward inflow screening which remains intact. The forward box was cleaned of debris while at the dock.

No bow thrusters were utilized today.

Bridge Watch Summary

Table with 4 columns: Species, # of Sightings, # of Animals, Comments. Row 1: None Observed

Eric Westerman, Cheryl Ryder

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge STUYVESANT - Tampa Bay, FL

USACE, Jacksonville District

DAILY REPORT

Date: 04 / 11 / 97 Loads: 175-178

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

Weather Conditions: Skies cloudy, rain, Winds SE 10-20 knots, Seas 2'-4'

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

Condition of all screening apparatus: Overflow screening in good working condition.

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

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

Sample were small in quantity today. Samples consisted of butterfly rays, sea pork, whelk egg caes, blue crabs and trash. All loads today were dug with the starboard arm.

The bow thruster was used twice in the cut area, 0100-0104 sta 425+00, 1839-1844 Sta 413+00. The bow thruster was also used in the anchorage area from 1120-1200 sporadically. Material digging consist of sand, silt, mud, clay, rock and shell.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	1	4	Bottlenose Dolphins

Eric Westerman, Cheryl Ryder

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge STUYVESANT - Tampa Bay, FL

USACE, Jacksonville District

DAILY REPORT

Date: 04 / 12 / 97 Loads: 179-183

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

Weather Conditions: Skies variable, winds ESE to N 10-25 knots, seas 2-4'

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

Condition of all screening apparatus: Overflow screening in good working condition. TED welds ok.

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

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

Material dredged continues to be a mix of sand, shell, rock, mud and clay. samples from the overflow screening included a skate, sea pork and a sea hare. During a routine inspection of the hopper catwalk and the obsolete inflow screening a fresh, dead Kemp's ridley (Lepidochelys kempi) was sampled in the mid inflow screening. The partial specimen was examined by both observers, photographed and weighted and disposed of at the dump site at the completion of load #182. All contacts were advised at the time of the incident. No bow thrusters were utilized during this working day.

During load #182 an adult loggerhead (Caretta caretta) was observed 300' off the starboard bow. The turtle was seen at the surface, in the channel near buoy #9. Apparently startled by the approaching crewboat it dove and was not seen again. The starboard arm was not operational at the time.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Caretta caretta	1	1	Adult loggerhead observed at 1210 in channel near buoy #9

Eric Westerman, Cheryl Ryder

Observer(s) On Duty:

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge STUYVESANT - Tampa Bay, FL

USACE, Jacksonville District

DAILY REPORT

Date: 04/ 13 / 97 Loads: 184-187

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

Weather Conditions: Skies overcast, rain, Winds variable 5-15 knots, Seas 2'-

Range of H₂O Temperature: Surface 75°F Below Mid-Depth NA

Condition of all screening apparatus: Overflow screening in good condition.

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

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

All loads today were dug with the starboard dragarm. Samples were small in quantity. Samples consisted of sea pork, whelk egg cases, trash and blue crabs. The starboard bow thruster was used once today at station 468+00 from 1008-1010. Material digging is silt, sand, mud, clay, rock and shell. The decomposed loggerhead flipper from load 171 was weighted down and disposed of at the disposal area today.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			No sightings

Eric Westerman, Cheryl Ryder

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:

ENDANGERED SPECIES OBSERVER PROGRAM

observers

Dredge STUYVESANT - Tampa Bay, FL

USACE, Jacksonville District

DAILY REPORT

Date: 04 / 15 / 97 Loads: 193-196

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

Weather Conditions: Skies overcast, rain, wind NE 10-20 knots, seas 3-4'

Range of H₂O Temperature: Surface 71-72°F Below Mid-Depth NA

Condition of all screening apparatus: Overflow screening in good working condition.

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

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

Material dredged continues to be a mix of sand, shell, rock, mud and clay. Samples from the overflow screening included: butterfly ray, southern sting ray, sea pork, horseshoe crab and seaweed. No bow thrusters were utilized today.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			None Observed

Eric Westerman, Cheryl Ryder

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge STUYVESANT - Tampa Bay, FL

USACE, Jacksonville District

DAILY REPORT

Date: 04 / 16 / 97 Loads: 197-201

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

Weather Conditions: Skies cloudy, Winds NE 10-15 knots, Seas 2'-4'

Range of H2O Temperature: Surface 71-72°F Below Mid-Depth NA

Condition of all screening apparatus: Overflow screening in good condition.

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

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

Samples remain small in quantity. Samples consisted of blue crabs, cowfish, guitarfish, butterfly ray, southern stingray, sponge and trash. Material digging consist of sand, silt, mud, clay, rock and shell.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			No sightings

Eric Westerman, Cheryl Ryder

Observer(s) On Duty

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *STUYVESANT* - Tampa Bay, FL

USACE, Jacksonville District

DAILY REPORT

Date: 04 / 17 / 97 Loads: 202-205

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

Weather Conditions: Skies variable, Winds calm to 20 knots, Seas calm to 4'

Range of H₂O Temperature: Surface 72-73°F Below Mid-Depth NA

Condition of all screening apparatus: Overflow screening in good condition.

Are there incidents involving endangered or protected species? Yes No

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

Samples remain small in quantity. Samples today
consisted of sponge, whelk egg cases, sea pork and trash.
Material digging is sand, silt, mud, clay, shell and rock.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			No sightings

Eric Westerman, Cheryl Ryder

Observer(s) On Duty: _____

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge STUYVESANT - Tampa Bay, FL

USACE, Jacksonville District

DAILY REPORT

Date: 04 / 18 / 97 Loads: 206-207

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

Weather Conditions: Skies partly cloudy, Winds NW 15-25 knots, Seas 6'-9'

Range of H2O Temperature: Surface 72°F Below Mid-Depth NA

Condition of all screening apparatus: Overflow screening in good condition.

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

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

The project completes operations by noon. Samples today consisted of sea pork, sponges and trash.

The project ends with three takes and one incident.

One Kemp's ridley and two loggerheads were taken fresh dead.

One badly decomposed flipper of a loggerhead was sampled as

a incident. Nine turtles were sighted on the project. Two on

the way to the dump site and seven in the digging area. Two

of the turtles sighted in the digging area were dead loggerheads.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			No sightings

Eric Westerman, Cheryl Ryder

Observer(s) On Duty: