ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 2 / 23 / 02

Load # 1 Start 1215 End 1705 Dump 1955

Location (lat/long, stations) N 30°42 W 81°21' station 280 – 340 Tide Stage

Weather (wind dir. beaufort. sea state. temp. etc.) NE wind 15-25, Beaufort 5, Seas 5, Rain

Water Temp., Surface 14°c 58 °F Below Mid-Depth 13.5°c 57 °F

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

Note biological samples:

Port Draghead Clear Deflector ok

Stbd Draghead Clear Deflector "

Inflow, Fore –

Inflow, Mid –

Inflow, Aft horseshoe crab, trash

Port Overflow, Primary ok Secondary

Stbd Overflow, Primary " Secondary

Comments (material being dredged. effectiveness of screening, additional info on by-catch, incidents, etc.);

2 horseshoe crabs, 1 penshell, plastics.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
TE	5-6	1615 In channel AT Buoy 14A

Observer(s) On Duty: STACIE KNIGHT SUSAN HAGUN

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 2 / 24 / 02

Load # 2 Start 2130 End 0130 Dump 0255

Location (lat/long, stations) 30°42', 80.21, stations 280-340 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) NE wind 25, Bss 5-6, Rain

Water Temp., Surface 14 °C Below Mid-Depth 14 °C

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

Note biological samples:

Port Draghead Clear Deflector OK

Stbd Draghead Clear Deflector OK

Inflow, Fore —

Inflow, Mid —

Inflow, Aft Horse conch, Plastic Metal

Port Overflow, Primary — cannot view Secondary —

Stbd Overflow, Primary — Secondary —

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.);

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: SUSAN HANN STACIE KNIGHT

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 2 / 24 / 02

Load # 3 Start ~~0305~~ 0425 End 0815 Dump 0945

Location (lat/long, stations) 30° 42' 81° 21' Station 280-340 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) N.W. 25 Kts, BSS 4, Clear

Water Temp., Surface 14°C Below Mid-Depth 14°C

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

Note biological samples:

Port Draghead Clear Deflector ok

Stbd Draghead Clear Deflector "

Inflow, Fore –

Inflow, Mid –

Inflow, Aft Horse Conch, 1 horseshoe Crab, Sea whip

Port Overflow, Primary ok Secondary

Stbd Overflow, Primary " Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.);

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: STACIE KNIGHT

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 2 / 24 / 02

Load # 4 Start 1120 End 1525 Dump 1645

Location (lat/long, stations) 30°42' 81°21' 230 - 240 220 - 230R only Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) NE. 15kts, BSS 3, Clear

Water Temp., Surface Below Mid-Depth

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

Note biological samples:

Port Draghead Clear Deflector ok

Stbd Draghead Clear Deflector ok

Inflow, Fore ✓

Inflow, Mid ✓

Inflow, Aft 4 horseshoe crab

Port Overflow, Primary ok Secondary

Stbd Overflow, Primary ok Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.);

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Tt bottlenose dolphins	5-6	1310, N 30°42', W 81°22', buoy 17A

Observer(s) On Duty: Susan Hann

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 02 / 24 / 02

Load # 5 Start 1755 End 2155 Dump 2320

Location (lat/long, stations) 30°42', 81°21' 230-340 220-230 Rondy Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) NE 10 kts, BSS-2,

Water Temp., Surface 14°C Below Mid-Depth 14°C

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

Note biological samples:

Port Draghead Clear Deflector Clear

Stbd Draghead Clear Deflector Clear

Inflow, Fore /

Inflow, Mid /

Inflow, Aft 3 horseshoe crab, sea whip, 5 horse conch.

Port Overflow, Primary ok Secondary /

Stbd Overflow, Primary ok Secondary /

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Inflow Box HAD some clay obscuring view of entire contents

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: Susan Hann

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 2 / 25 / 02

Load # 6 Start 0045 End 0405 Dump 0530

Location (lat/long, stations) 30° 42' 81° 21' 220-340 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) WNW wind 15-20, SEAS 3' swell, clear

Water Temp., Surface 14 °C Below Mid-Depth 14 °C

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

Note biological samples:

Port Draghead Clear Deflector OK

Stbd Draghead Clear Deflector OK

Inflow, Fore —

Inflow, Mid —

Inflow, Aft 1 Horse crab, knobbed whelk, sea whip, trash

Port Overflow, Primary OK Secondary OK

Stbd Overflow, Primary OK Secondary OK

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.);

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: S. Knight

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 2 / 25 / 02

Load # 7 Start 0655 End 1030 Dump 1205

Location (lat/long, stations) Stations 220 - 340 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) NE wind 15, BSS4, 3' swell, clear

Water Temp.: Surface 14° C Below Mid-Depth 13.5°C

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

Note biological samples:

Port Draghead Clear Deflector ok

Stbd Draghead Clear Deflector OK

Inflow, Fore —

Inflow, Mid —

Inflow, Aft KEMP'S Ridley, 1 Horseshoe CRAB, KNOBBED WHELK, PLASTIC

Port Overflow, Primary OK Secondary —

Stbd Overflow, Primary OK Secondary —

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

KEMPS Ridley TURTLE TAKE, SEE Report. ALL APPROPRIATE PERSONS CONTACTED PHOTOS TAKEN

Right WHALE SIGHTINGS FROM PLANE:

1007 2 Adults 30°43.2' 81°14.3'

1047 Mother + calf 30°38.5' 81°22.5

MAINTAINED 10 Kt OR under in transit

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Tt	1	1038, Channel 30°42.68' 81°20.81' Buoy 15A

Observer(s) On Duty: Stacie Knight

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 02 / 25 / 02

Load # 8 Start 1345 End 1800 Dump 2040

Location (lat/long, stations) Stn 230 - 340, 220 - 230R 30°42', 81°21 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) ENE 5-10kts, BSS = 2, clear

Water Temp., Surface 14.5°C Below Mid-Depth 14°C

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

Note biological samples:

Port Draghead Clear Deflector Clear

Stbd Draghead Clear Deflector Clear

Inflow, Fore /

Inflow, Mid /

Inflow, Aft loggerhead sea turtle, 2 quahogs, 2 horseshoe crab, wkelk

Port Overflow, Primary ok Secondary /

Stbd Overflow, Primary ok Secondary /

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.);

Loggerhead turtle take. See take report. All appropriate persons notified

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: Susan Hann & Stacie Knight.

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 2 / 26 / 02

Load # 9 Start 2330 End 0330 Dump 0635

Location (lat/long, stations) Stations 220-340 30°42' 81°21' Tide Stage -0.2 -1.9

Weather (wind dir, beaufort, sea state, temp, etc.) NW wind 5kts, SEAS 3' swell BSS3, Clear

Water Temp., Surface 14 °C Below Mid-Depth 14°C

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

Note biological samples:

Port Draghead clear Deflector OK

Stbd Draghead line Deflector OK

Inflow, Fore –

Inflow, Mid whelk, Plastic, Wood

Inflow, Aft –

Port Overflow, Primary OK Secondary OK

Stbd Overflow, Primary OK Secondary OK

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.);

- Slow bell ON TRANSIT due to PRIOR RIGHT WHALE SIGHTING

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: S. KNIGHT

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 2 / 26 / 02

Load # 10 Start 0815 End 1210 Dump 1350

Location (lat/long, stations) 30°42' 81°21' STATIONS 220 - 340 Tide Stage Lo. 9

Weather (wind dir, beaufort, sea state, temp, etc.) W Wind 5 Kts, BSS 1, clear

Water Temp., Surface 14.5 °c Below Mid-Depth 14° c

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

Note biological samples:

Port Draghead Clear Deflector Clear

Stbd Draghead Clear Deflector Clear

Inflow, Fore /

Inflow, Mid /

Inflow, Aft horseshoe crab, seawhip, ~~[illegible]~~ whelk

Port Overflow, Primary Clear Secondary /

Stbd Overflow, Primary Clear. Secondary /

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.);

Right WHALE SIGHTINGS: 0943 30°29'N 81°31'W 1 adult
1040 30°23'N 81°21' 1 Adult/calf
1124 30°27'N 81°22' 1 adult
1150 30°31'N 81°16' 1 Adult/calf
1202 31°35'N 80°48' 1 Adult/calf
1202 31°36'N 80°47' 1 Adult/calf
1310 31°50'N 80°45' 2 Adults
Still some clay in screening effecting view.
1612 29°51'N 81°01'W 1 Adult

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Tt	1	1136 in channel Buoy 14A

Observer(s) On Duty: STACIE KNIGHT SUSAN HANN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 02/26/02

Load # 11 Start 1515 End 1900 Dump 2210

Location (lat/long, stations) Stn 220-340 30°42' 81°21' Tide Stage 0.1-6.2

Weather (wind dir, beaufort, sea state, temp, etc.) S wind 5kts, BSS=1, clear

Water Temp., Surface 15 °C Below Mid-Depth 14.5°C

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

Note biological samples:

Port Draghead Clear Deflector clear

Stbd Draghead clear Deflector clear

Port Inflow, Fore / Mid /

Port Inflow, Aft /

Stbd Inflow, Fore / Mid /

Stbd Inflow, Aft filled up w/ clams, weir + clay.

Port Overflow, Primary clear Secondary /

Stbd Overflow, Primary clear Secondary /

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Basket filled with clay. Rinsed again, little improvement. Moving to mid inflow next load.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Susan Hann

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: STuyvesant

Project: Kings Bay, ST. MARY'S ENTRance Channel

Date: 2 / 27 / 02

Load # 12 Start 0100 End 0450 Dump 0715

Location (lat/long, stations) 30°42' 81°21' stATions 22-34 Tide Stage 0.5-3.0

Weather (wind dir, beaufort, sea state, temp, etc.) SW WIND 25 Kts, BS5-6, clear

Water Temp., Surface 14.5°C Below Mid-Depth 14.5 °C

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

Note biological samples:

Port Draghead Clear Deflector OK

Stbd Draghead " Deflector "

~~Port~~ Inflow, Fore — Mid

~~Port~~ Inflow, ~~Aft~~ Mid 2 Horseshoe Crab, Knobbed whelk, Quahog, Seawhip, TRASH

~~Stbd~~ Inflow, ~~Fore~~ AFT — Mid

~~Stbd Inflow, Aft~~

Port Overflow, Primary OK Secondary OK

Stbd Overflow, Primary OK Secondary OK

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Apex reinforced with this load, see daily report 02-26-02.

SLOW BELL DUE TO Right Whale SIGHTINGS

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Stacie KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: STUYVESANT

Project: Kingsbay, St. MARY'S ENTRANCE

Date: 2 / 27 / 02

Load # 13 Start 0900 End 1230 Dump 1415

Location (lat/long, stations) Stations 220-340 30° 42' 81° 21' Tide Stage 7.0 - 0.4

Weather (wind dir, beaufort, sea state, temp, etc.) WNW wind 20 KT, BSS5, clear

Water Temp., **Surface** 14°C Below Mid-Depth 14°C

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

Note biological samples:

Port Draghead clogged with clay, view obstructed Deflector some clay

Stbd Draghead clogged with clay, view obstructed Deflector some clay

Port Inflow, Fore / Mid

~~Port~~ Inflow, ~~Aft~~ MID 50% filled with clay, view obstructed, no signs of

~~Stbd Inflow, Fore~~ turtle take on surface, clam shells.

Stbd Inflow, Aft /

Port Overflow, Primary OK Secondary /

Stbd Overflow, Primary OK Secondary /

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

'Winds of Fortune' trawlling in front. Did not catch any turtles with trawl net. Aft and mid inflows - pins were pulled and baskets were flushed clear. (Aft inflow blocked during load 11).

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty S. KNIGHT, S. HANN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, St. Mary's entrance.

Date: 02 / 27 / 02

Load # 14 Start 1630 End 2020 Dump 2210

Location (lat/long, stations) Stns. 220-340 30°42'N, 81°21'W Tide Stage 1.0-6.7

Weather (wind dir, beaufort, sea state, temp, etc.) NNW 20kts, BSS=4, clear

Water Temp., Surface 14°C Below Mid-Depth 14°C

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

Note biological samples:

Port Draghead Clear, some clay Deflector ok

Stbd Draghead Clear; a lot of clay, removed & inspected Deflector ok

Port Inflow, Fore / Mid /

Port Inflow, Aft /

Stbd Inflow, Fore / Mid /

~~Stbd~~ Inflow, Aft basket 50% filled with clay, view obstructed, clams, whelk present.

Port Overflow, Primary clear Secondary /

Stbd Overflow, Primary clear Secondary /

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

'Winds of Fortune' trawlling in vicinity of dredge. No turtles caught by trawller.

No aerial survey today due to high winds. Speed at night 10 kts as per Chris Slay + Capt. Ackerman.

Modifications made to starboard draghead. Lip of draghead was sticking, fixed after load 14.

Aft inflow 50% filled with clay, pins pulled and flushed.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø	/	/

Observer(s) on duty Susan Hann

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: STuyvesAnt

Project: Kings Bay, St. MARy's entrance Channel

Date: 2 / 28 / 02

Load # 15 Start 2355 End 0350 Dump 0540

Location (lat/long, stations) 30° 42' 81° 21' Station 220 -340 Tide Stage 26 - .6

Weather (wind dir, beaufort, sea state, temp, etc.) WNW 30 Kts, BSS 3, Clear

Water Temp., Surface 14 °C Below Mid-Depth 14°

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

Note biological samples:

Port Draghead clear Deflector OK

Stbd Draghead " Deflector OK

~~Port~~ Inflow, Fore N/A Mid

~~Port~~ Inflow, ~~Aft~~ MB "

~~Stbd Inflow, Fore~~ Mid

~~Stbd~~ Inflow, Aft 50% Filled w/ clay, Quahog & Whelk

~~Port~~ Overflow, Primary Secondary

Stbd Overflow, Primary Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

* Could not see Entire contents of Box

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty S. Knight

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Stuyvesant

Project: Kings Bay, St. Mary's Entrance Channel

Date: 2/28/02

Load # 6 Start 0715 **End** 1100 Dump 1230

Location (lat/long, stations) 30°42' 81°21' Stations 220-340 Tide Stage 5.7-7.2-5.1

Weather (wind dir, beaufort, sea state, temp, etc.) N 5-10 Kts, BSS 3, Clear

Water Temp., Surface 14.5°C Below Mid-Depth 14°C

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

Note biological samples:

Port Draghead Net, clay Deflector good

Stbd Draghead Net clay line Deflector

Port Inflow, Fore / Mid /

Port Inflow, Aft /

Stbd Inflow, Fore / Mid /

Stbd Inflow, Aft 50% clay, clams, whelk, trash.

Port Overflow, Primary OK Secondary /

Stbd Overflow, Primary OK Secondary /

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

50% clay in basket, pins pulled & flushed.
Right whale sighting (1 adult) by 'Winds of Fortune' at buoy 15A, will stay minimum 500 yards away from buoy 15A. Speed of 5 knots going into Channel.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty S. KNIGHT, Susan Hann

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL St. Mary's entrance channel.

Date: 02 / 28 / 02

Load # 17 Start 1430 End 1800 Dump 2015

Location (lat/long, stations) 30°42'N 81°21W Stn. 220-340 Tide Stage 0.2 - 3.4

Weather (wind dir, beaufort, sea state, temp, etc.) NE 5-10kts, BSS = 2, clear

Water Temp., Surface 13°C Below Mid-Depth 12.5°C

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

Note biological samples:

Port Draghead Clear Deflector ok

Stbd Draghead some clay, netting Deflector ok

Port Inflow, Fore / Mid /

Port Inflow, Aft /

Stbd Inflow, Fore / Mid /

~~Stbd~~ Inflow, Aft portside pin bent, contents blown out during flush, some trash horseshoe crab, whelk, clams seaship

Port Overflow, Primary ok Secondary /

Stbd Overflow, Primary ok Secondary /

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

1300 Right whale SEEN at Buoy 15A From "Winds of Fortune"

1332 30°40'N 81°14'W 1 adult + 1 CALF

1350 31°41'N 80°58W 1 adult + calf

1621 30°20'N 81°17W 1 adult SE.

1611 31°50'N 80°36'W 1 adult + calf.

View of Overflows: slightly obstructed due to construction.

Port side pin holder broke causing pin to bend. This allowed basket door to open flushing contents of basket.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Susan Hann.

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ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: STUYVESANT

Project: Kings Bay, St. Mary's Entrance channel

Date: 3 / 1 / 02

Load # 18 Start 2310 End 0245 Dump 0520

Location (lat/long, stations) 30°42' 81°42' St. 220-340 Tide Stage 4.4 - -.8

Weather (wind dir, beaufort, sea state, temp, etc.) NW 10 Kts, BSS3 Clear

Water Temp., Surface 14.5 °C Below Mid-Depth 14°C

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

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead " Deflector "

~~Port~~ Inflow, Fore — Mid

~~Port~~ Inflow, ~~Aft~~ Mid completely Filled w/ clay + shell

~~Stbd Inflow, Fore~~ Mid

~~Stbd~~ Inflow, Aft —

Port Overflow, Primary eel, wood Secondary

Stbd Overflow, Primary wood Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

External inspection of Box only. Impossible to Enter Box

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty S. Knight

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: STUYVESANT

Project: Kingsbay, ST. MARY'S Entrance channel

Date: 3 / 1 / 02

Load # 19 Start 0720 End 1145 Dump 1435

Location (lat/long, stations) 30° 42' 81° 21 station 220-3/6 Tide Stage 4.5 - 7.0 - 6.0

Weather (wind dir, beaufort, sea state, temp, etc.) E wind 10 Kts, BSS 5 Clear

Water Temp., **Surface** 14.5 °C Below Mid-Depth 14 °C

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

Note biological samples:

Port Draghead Clear Deflector ok

Stbd Draghead clear Deflector ok

Port Inflow, Fore / Mid /

Port Inflow, Aft /

Stbd Inflow, Fore / Mid /

[redacted] Inflow, Aft 30% clay, whelk, clams, trash, netting, bones → see below

Port Overflow, Primary ok Secondary 5 /

Stbd Overflow, Primary ok Secondary /

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Two pieces of plastron bones found in basket, very old, + decayed. Large fish skull - grouper? One mammalian bone (scapula) - unidentified. Thrown overboard at dump site. Construction around overflow, view partly obstructed. 30% clay in basket, pins pulled + flushed.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
TE (bottlenose dolphin)	4 - 5	Entire Load. Buoys 14A + 15A

Observer(s) on duty STACIE KNIGHT SUSAN HANN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, St. Mary's entrance channel.

Date: 03 / 01 / 02

Load # 20 Start 1615 End 2015 Dump 2145

Location (lat/long, stations) Stns. 220-340, 30°42'N, 81°21'W Tide Stage -1.0 - 5.5

Weather (wind dir, beaufort, sea state, temp, etc.) ENE 15kts, BSS = 4, clear

Water Temp., **Surface** 13°C Below Mid-Depth 12.5°C

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

Note biological samples:

Port Draghead clear Deflector ok

Stbd Draghead some clay, clear Deflector ok.

Port Inflow, Fore / Mid /

Port Inflow, Aft /

Stbd Inflow, Fore / Mid /

[redacted] Inflow, MID horseshoe crab, whelk, seawhip, trash.

Port Overflow, Primary clear Secondary /

Stbd Overflow, Primary clear Secondary /

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

1529 hrs 30°29'N, 80°18'W 1 adult + calf.

No aerial survey today due to high winds, doing 10kts tonight.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Susan Hann

ENDANGERD SPECIES OBSERVER PROGRAM
Large Whale Observation Data
(Append to Daily Report)

Dredge STUYVESANT

Project Kings BAY, St. MARY'S Entrance Channel

Date: 3 / 2 / 02

Load # 21 Times: Start 2325 End 0315 Dump 0620

Location(lat/long) 30° 42' 81° 21' Stations ~~2034~~ Tide 6.4- 7.2 Beau Sea State: 6

Wind Direction: SE Speed: 15 Kts Cloud Cover(%): 100 H_2O Surf. Temp 14°c

Sighting #1. Time 0802 Vessel location (lat/long) 30°41'.06 X 81°.15'.26

P.G.C. ~~Magnetic~~ bearing to sighting 60 P.G.C. Estimated distance ¼- ½ MILE ~500 yds

Species observed Right Whale # of animals 2 adults

Vessel's heading 315 Animal's heading —

Comments (visual descrip. (length, color, flukes, fin) behaviors observed, surfacing intervals, duration of observation)

observed FOR approximately 5-10 minutes.
TAIL SLAPPING observed

Sighting #2. Time _____ Vessel location (lat/long) X

Magnetic bearing to sighting _____ Estimated distance _____

Species observed _____ # of animals _____

Vessel's heading _____ Animal's heading _____

Comments (visual descrip. (length, color, flukes, fin) behaviors observed, surfacing intervals, duration of observation)

Detailed observations and general comments (who was notified, was whale's behavior influenced by dredging activities, etc.) Chris Slay was notified.

Observers on Duty: Stacie KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, St. Mary's entrance channel.

Date: 03 / 02 / 02

Load # 21 Start 2325 End 0315 Dump 0620

Location (lat/long, stations) Stns. 220-340, 30°42'N, 81°21'W. Tide Stage 6.4 → -.2

Weather (wind dir, beaufort, sea state, temp, etc.) NE 10-15 kts, BSS = 2, overcast. ⇒ SE 30kts, BSS6 RAIN Water Temp., Surface 14° C Below Mid-Depth 14°C

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

Note biological samples:

Port Draghead line Deflector

Stbd Draghead " Deflector

Port Inflow, Fore / Mid /

Port Inflow, Aft /

Stbd Inflow, Fore / Mid /

[redacted] Inflow, Aft Clay (50%) Quahog, whelk

Port Overflow, Primary Secondary /

Stbd Overflow, Primary Secondary /

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Thermometer broken - using ship's readings.
Not exceeding 10kts tonight - no aerial survey done

- Could not see entire contents of Box due to Clay

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Eubalaena glacialis	2	0802 / 30°41'.06 81°15'.36
N. Right whales		Tail slapping, several blows
		seen for ≈ 5-10 min.

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

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: STUYVESANT

Project: Kings Bay St. Mary's Entrance channel

Date: 3 / 2 / 02

Load # 22 Start 0900 End 1305 Dump 1600

Location (lat/long, stations) 30° 42' 81° 21' St. 220-340 Tide Stage 5.4-6.7-4.5

Weather (wind dir, beaufort, sea state, temp, etc.) SE 10 Kts, BSS 6, Rain

Water Temp., Surface N/A. Below Mid-Depth 53°F ⇒ 12°C (ship's reading)

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

Note biological samples:

Port Draghead Clear Deflector ok

Stbd Draghead Clear Deflector ok

Port Inflow, Fore / Mid /

Port Inflow, Aft /

Stbd Inflow, Fore / Mid /

MID Inflow, Aft 30-40% clay + shell, clams, whelk.

Port Overflow, Primary ok Secondary /

Stbd Overflow, Primary ok. Secondary /

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

'Sioux Eagle' spotted turtle (unidentified) at surface at buoy 15A, 1245 hrs.

Door to basket was not secured during dredging and/or flushing (chain to hold door shut broke free). Contents larger than 4"x4" may have been flushed out. Door has been fixed.

2nd flush - good screening, small amount of clay, clams, whelk, trash, sea whip, horse conch.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tt	5-7	0840, Buoys 15A-6

Observer(s) on duty S. Knight, Susan Hann.

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, St. Mary's entrance channel.

Date: 03 / 02 / 02

Load # 23. Start 1905 End 2350 Dump 0240

Location (lat/long, stations) Stns. 220-840, 30°42'N, 81°21'W Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) SSE 5 kts, BSS = 2/3, raining.

Water Temp., Surface N/A. Below Mid-Depth 54°F ⇒ 12.5°C (ship's reading)

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

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead " Deflector "

Port Inflow, Fore / Mid /

Port Inflow, Aft /

Stbd Inflow, Fore / Mid /

~~Stbd~~ MID Inflow, Aft completely clogged w/ clay & shell

Port Overflow, Primary Secondary /

Stbd Overflow, Primary Secondary /

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

could not see entire contents of BOX

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Susan Hann, Stacie Knight

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 03/05/02

Load # 24 Start 1935 End 2320 Dump 0100

Location (lat/long, stations) Stns. 220-340, 30°42'N, 81°21'W Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) NW 15-20kts, BSS = 3, overcast

Water Temp.. Surface 14°C Below Mid-Depth 14°C

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead seawhip Deflector ok

Stbd Draghead seawhip, line, some clay Deflector ok

Inflow, Fore /

Inflow, Mid /

Inflow, Aft

Port Overflow, Primary Secondary /

Stbd Overflow, Primary Secondary /

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.);

- 'Winds of Fortune' travelled for 12hrs, no turtles caught.
- No aerial survey done, ~~do~~ not exceeding 10kts night of 03/04-03/05.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Tt (bottlenose dolphins)	5-6	~~0600-0630~~ 1800-1839hrs, Nassau Forest Product Terminal, before getting underway, 30°41'.66N, 81°27'.87W

Observer(s) On Duty: Susan Hann, Stacie Knight

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 3 / 5 / 02

Load # 25 Start 0300 End 0710 Dump 0855

Location (lat/long, stations) STATIONS 220-340 - N 30°42' W81°21' Tide Stage 5.0 - 0.4

Weather (wind dir, beaufort, sea state, temp, etc.) NNE WIND 15-20, BSS 4-5, clear, 51°

Water Temp., Surface 14°C Below Mid-Depth 13.5°C

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

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead " Deflector "

Inflow, Fore

Inflow, Mid

Inflow, Aft Seapork, sea whip, K & C whelk, 4 HS CRAB, Quahog, Clay & trash

Port Overflow, Primary Secondary

Stbd Overflow, Primary Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.);

0740 winds of Fortune caught 1 Kemps Ridley

inFlow Box 1/3 clogged with clay and shell that did not clear when flushed. Could NOT see ENTIRE contents of Box

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: S. Knight

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 03 / 05 / 02

Load # 26 Start 1050 End 1255 Dump 1525

Location (lat/long, stations) Stns 220 - 340, 30°42'N, 81°21'W Tide Stage 3.6 - 5.5

Weather (wind dir, beaufort, sea state, temp, etc.) NNW 10-15 kts, BSS = 2, clear

Water Temp., Surface 14°C Below Mid-Depth 13.5°C

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

Note biological samples:

Port Draghead Clear Deflector ok

Stbd Draghead Clear Deflector ok

Inflow, Fore /

Inflow, Mid /

Inflow, Aft 4 horseshoe crab, whelk, horseconch, sea whip, trash, sea pork

Port Overflow, Primary Clogged w/ debris Secondary /

Stbd Overflow, Primary Clogged w/ debris Secondary /

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

- Right Whale Sighting - 1441 hrs, 29°37'N, 81°11'W, 1 adult + calf.

- Turtle take - Loggerhead, see report.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: Susan Hann, Stacie Knight

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 03 / 05 / 02

Load # 27 Start 1810 End 2115 Dump 2245

Location (lat/long, stations) Stns 220-340, 30°42'N, 81°21'W Tide Stage 0.6-2.7

Weather (wind dir, beaufort, sea state, temp, etc.) ENE 10kts, BSS=2, partly cloudy

Water Temp., Surface 14°C Below Mid-Depth 13.5°C

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

Note biological samples:

Port Draghead clear Deflector ok

Stbd Draghead 1/3 clay Deflector ok

Inflow, Fore ✓

Inflow, Mid ✓

Inflow, Aft 50% clay + shell, quahog

Port Overflow, Primary ok Secondary ✓

Stbd Overflow, Primary ok Secondary ✓

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Right whale Sighting - 1725 hrs, 29°36'N, 81°10'W (1 adult + calf)

'Winds of Fortune' - no turtles caught this afternoon/evening.

- 50% clay + shell, could not see entire contents of box. Pins pulled + basket was flushed

- Hatch to basket became unsecured during dredging and/or flushing, contents larger than 4" x 4" may have been flushed out.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: Susan Hann

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 3 / 6 / 02

Load # 28 Start 0700 End 0720 Dump 0350

Location (lat/long, stations) 30°42' 81°21' stations Tide Stage 5.7 → 6.0 → 5.9

Weather (wind dir, beaufort, sea state, temp, etc.) NNW 20 Kts, seas 2-3, Clear

Water Temp., Surface 14 Below Mid-Depth 13°C

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

Note biological samples:

Port Draghead Clear Deflector OK

Stbd Draghead " Deflector OK

Inflow, Fore —

Inflow, Mid Knobbed whelk, Bryozoan, sea whip, Olive Quahog

Inflow, Aft —

Port Overflow, Primary wood Secondary

Stbd Overflow, Primary " Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.);

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: Stacie Knight

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 3 / 6 / 02

Load # 29 Start 0530 End 0745 Dump 0915

Location (lat/long, stations) STATIONS 220-340 30°42' 81°21' Tide Stage 3.2 – 0.8

Weather (wind dir, beaufort, sea state, temp, etc.) NE 5 Kts, BSS 3, Clear

Water Temp., Surface 14 Below Mid-Depth 13°

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

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector "

Inflow, Fore —

Inflow, Mid —

Inflow, Aft 50% Clogged w/ clay + shell * whelks, Quahog, Bryozoan, Sea whip

Port Overflow, Primary Clear Secondary

Stbd Overflow, Primary Clear Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.);

* COULD NOT SEE ENTIRE CONTENTS OF BOX

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: STACIE KNIGHT

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 03 / 06 / 02

Load # 30 Start 1050 End 1615 Dump 1750

Location (lat/long, stations) Stns. 220 - 340, 30°42' N, 81°21' W Tide Stage 2.4 - 5.2 - 4.3

Weather (wind dir. beaufort, sea state, temp, etc.) ENE 20kts, BSS = 4-5, clear

Water Temp., Surface (buoy reading) 14°C Below Mid-Depth (ship's reading) 52°F = 11 °C

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

Note biological samples:

Port Draghead some clay, clear Deflector OK

Stbd Draghead clear Deflector OK

Inflow, Fore ~~clear~~

Inflow, Mid

Inflow, Aft 50% clay, shell, quahog, whelk, seawhip, skate, 2 horseshoe crab

Port Overflow, Primary clear Secondary

Stbd Overflow, Primary clear. Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.);

- 1523 hrs 29°33' N, 81°10' W, (1 adult + calf)

- 50% clay in basket, could not see entire contents of box. Pins pulled, basket flushed.
- Man hatch came open during dredging, closed before flushing.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: Susan Hann.

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 03 / 07 / 02

Load # 31 Start 1930 End 0025 Dump 0215

Location (lat/long, stations) Stns 220-340, 30°42'N, 81°21'W Tide Stage 0.8 → 0.4 → 4.0

Weather (wind dir, beaufort, sea state, temp, etc.) NE 20-25 kts, BSS = 3-4, clear

Water Temp., Surface 14°C Below Mid-Depth 55°F = 12.5°C (ship's reading)

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

Note biological samples:

Port Draghead Clay - ok Deflector ok

Stbd Draghead wet ok Deflector "

Inflow, Fore /

Inflow, Mid 50% clay + shell *

Inflow, Aft /

Port Overflow, Primary wood Secondary /

Stbd Overflow, Primary " Secondary /

Comments (material being dredged. effectiveness of screening, additional info on by-catch, incidents, etc.);

* could NOT see ENTIRE BOX - severe clogging

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
/		

Observer(s) On Duty: Stacie Knight, Susan Hann

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: St. Mary's Entrance Channel

Date: 3 / 7 / 02

Load # 32 Start 0355 End 0820 Dump 0940

Location (lat/long, stations) 30°42' 81°42' Stations 220 - 340 Tide Stage 5.6 → 1.6

Weather (wind dir, beaufort, sea state, temp, etc.) NE wind 5 Kts, BSS = 2 Clear

Water Temp., Surface 14 °C Below Mid-Depth 12.5 °C

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

Note biological samples:

Port Draghead Clay wood Right Rear Flipper Cc Deflector ok

Stbd Draghead " Deflector ok

~~Port~~ Inflow, Fore — Mid

~~Port~~ Inflow, ~~Aft~~ Mid 50% Filled w/ clay & shell

~~Stbd Inflow, Fore~~ Mid

~~Stbd~~ Inflow, Aft —

Port Overflow, Primary wood Secondary

Stbd Overflow, Primary wood Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.);

- Flipper decomposing
- could not see entire contents of Box

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: S. Knight

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, St. Mary's Channel

Date: 03/ 07 02

Load # 33 Start 1135 End 1800 Dump 1935

Location (lat/long, stations) Stns. 220-340, 30°42'N, 81°21'W Tide Stage 1.8-5.0

Weather (wind dir, beaufort, sea state, temp, etc.) NE 15kts, BSS=3-4, ~~clear~~ overcast

Water Temp., Surface 13°C Below Mid-Depth 12.5°C

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

Note biological samples:

Port Draghead clay, ok Deflector ok

Stbd Draghead clay, ok Deflector ok

Port Inflow, Fore / Mid /

[redacted] Inflow, Aft 70% clay + shell

Stbd Inflow, Fore / Mid /

MID Inflow, 100% clay, external screening of basket only.

Port Overflow, Primary blocked w/ debris, wood Secondary /

Stbd Overflow, Primary blocked w/ debris, wood Secondary /

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.);

Mid-basket completely full of clay + H_2O. External screening only.

Aft - basket 70% clay + shell

* could not see entire contents of either box.

Man-hatch to mid-basket blown partway open during dredging.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: Susan Hann.

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 03 / 08 / 02

Load # 34 Start 2130 End 0030 Dump 0220

Location (lat/long, stations) Stns. ~~220 340~~ 230 - 305, 30°42'N, 81°21'W Tide Stage .5 -> 2.1

Weather (wind dir. beaufort. sea state. temp. etc.) NW 5 kts, BSS = 2, overcast.

Water Temp.. Surface 13.°C Below Mid-Depth 12.5°C

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

Note biological samples:

Port Draghead clay Deflector OK

Stbd Draghead clay wood Deflector OK

Inflow, Fore /

Inflow, Mid 75% Filled with clay + shell: Quahog, cocina olive, K+C whelk, sea whip, sea pork

Inflow, Aft / Filled w/ clay + shell

Port Overflow, Primary wood Secondary /

Stbd Overflow, Primary Secondary /

Comments (material being dredged. effectiveness of screening, additional info on by-catch, incidents. etc.):

Could Not SEE ENtire contents of BOX

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
/		

Observer(s) On Duty: Stacie Knight, Susan Hann

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 3 / 8 / 02

Load # 35 Start 0520 End 0800 Dump 0940

Location (lat/long, stations) Stations 230 - 305 Tide Stage 5.2-2.7

Weather (wind dir, beaufort, sea state, temp, etc.) NE wind 10 Kt, BSS4 flk

Water Temp., Surface 13.5 Below Mid-Depth 12.5 °C

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

Note biological samples:

Port Draghead Clay Deflector OK

Stbd Draghead " Deflector "

Inflow, Fore —

Inflow, Mid —

Inflow, Aft Clay & shell Filled 75% of Box

Port Overflow, Primary wood Secondary —

Stbd Overflow, Primary " Secondary —

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.);

could not see Entire Box

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: S. Knight

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: STUYVESANT

Project: Kingsbay, St Mary's Entrance Channel

Date: 03/08/02

230 - 280 whole
280 - 305 R

Load # 36 Start 1145 End 1400 Dump 1545

Location (lat/long, stations) ~~NW 11 Kts, BSS 4 Clear-Mostly~~ Tide Stage 1.2

Weather (wind dir, beaufort, sea state, temp, etc.) NE wind 10kt, ~~BSS 4~~ partly cloudy.

Water Temp., Surface 13.6 Below Mid-Depth 12.5

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

Note biological samples:

Port Draghead clean Deflector ok

Stbd Draghead clean Deflector ok

Port Inflow, Fore / Mid /

Port Inflow, Aft /

Stbd Inflow, Fore / Mid /

~~Stbd~~ Inflow, Aft 70% clay & shell

Port Overflow, Primary clean Secondary /

Stbd Overflow, Primary clean Secondary /

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.);

could not see entire contents of box, 70% clay & shell, pins pulled & basket flushed

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Tt	1	1130, buoy 14A
Tt	4-5	1230, buoy 14A

Observer(s) On Duty: S. Knight Susan Hann

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 03 / 08 / 02

Load # 37 Start 1815 End 1915 Dump 2045 → stations 100 – 220

Location (lat/long, stations) ~~Stns 280 - 305, 30°42'N, 81°21'W~~ Tide Stage 4.0

Weather (wind dir, beaufort, sea state, temp, etc.) NE 2-3 kts, BSS = 3, partly cloudy, hazy

Water Temp., Surface 13°C Below Mid-Depth 13°C

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

Note biological samples:

Port Draghead clear Deflector o/c

Stbd Draghead clear Deflector o/c

Inflow, Fore /

Inflow, Mid whelk, quahog

Inflow, Aft whelk, AEK, Quahog

Port Overflow, Primary clear, some wood Secondary /

Stbd Overflow, Primary clear, some wood Secondary /

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Pumped ashore

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: Susan Hann, Stacie Knight

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 3 / 9 / 02

Load # 38 Start 0410 End 0515 Dump 0645

Location (lat/long, stations) 230 - 305, 30°42' 81°21' Tide Stage

Weather (wind dir. beaufort. sea state. temp. etc.) NE 10, BSS 4-5, P/C

Water Temp.. Surface 13° Below Mid-Depth 13°C

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

Note biological samples:

Port Draghead Clay Deflector OK

Stbd Draghead " Deflector OK

Inflow. Fore —

Inflow. Mid —

Inflow. Aft 75 % Filled w/ clay + shell, ARKS, Quahog, whelks - Fossils

Port Overflow. Primary wood Secondary

Stbd Overflow. Primary wood Plastic Secondary

Comments (material being dredged. effectiveness of screening, additional info on by-catch, incidents. etc.):

* Could not see Entire contents of Box

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: S. Knight

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 3 / 9 / 02

Load # 39 Start 0835 End 0945 Dump 1230

Location (lat/long, stations) Stations 100 - 220 30°42', 81°35' Tide Stage 3.2

Weather (wind dir, beaufort, sea state, temp, etc.) NE 5kts, BSS3, P/C

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

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

Note biological samples:

Port Draghead clear Deflector ok

Stbd Draghead clear Deflector ok

Inflow, Fore /

Inflow, Mid whelk, trash

Inflow, Aft 2 horseshoe crab, whelk, ~~abalone~~ oysters, 30% sand.

Port Overflow, Primary blocked w/ wood Secondary /

Stbd Overflow, Primary blocked w/ wood Secondary /

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

1156 hrs 31°46'N, 80°56'W (2 adults).

1237 hrs 31°40'N, 80°56'W (2 adults)

Could not see entire contents of box, 30% filled w/ sand.

Dredging sand.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: Stacie Knight, Susan Hann

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 03/09/02

Load # 40 Start 1620 End 1715 Dump 1815

Location (lat/long, stations) Stns 100-220, 30°42'N, 81°25'W Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) E 3-5 kts, BSS=2, clear

Water Temp.: Surface 13.5°C Below Mid-Depth 13°C

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

Note biological samples:

Port Draghead clear, some wood Deflector ok

Stbd Draghead clear, small net Deflector ok

Inflow, Fore /

Inflow, Mid whelk, skate, wood

Inflow, Aft 40% sand, whelk, wood, 2 horseshoe crab.

Port Overflow, Primary blocked w/ woody debris Secondary /

Stbd Overflow, Primary blocked w/ woody debris. Secondary /

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Dredging sand.

Could not see entire contents of box. 40% filled w/sand.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: Susan Hann

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 03 / 10 / 02

Load # 41 Start 2140 End 2245 Dump 2340

Location (lat/long, stations) Stns. 100 - 220. 30°42' 81°25' Tide Stage

Weather (wind dir. beaufort. sea state. temp, etc.) ENE 5kts, BSS = 2, overcast → foggy

Water Temp.. Surface 14°C Below Mid-Depth 13.5°C

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

Note biological samples:

Port Draghead clear Deflector ok

Stbd Draghead clear Deflector ok

Inflow. Fore /

Inflow. Mid Rock, whelks, ~~oyster~~, SAND

Inflow. Aft Rock

Port Overflow. Primary clogged w/ woody debris Secondary /

Stbd Overflow. Primary clogged w/ woody debris Secondary /

Comments (material being dredged. effectiveness of screening, additional info on by-catch, incidents. etc.);

Dredging sand.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: Stacie Knight, Susan Hann.

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 3 / 10 / 02

Load # 42 Start 0510 End 0705 Dump 1000

Location (lat/long, stations) Stations 30°42' 81°23', 100-220 Tide Stage

Weather (wind dir. beaufort. sea state, temp, etc.) WNW 5-10 Kts, BSS3, P/C

Water Temp.. Surface 13.5° Below Mid-Depth 13°C

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

Note biological samples:

Port Draghead Mooring Line, chain Deflector OK

Stbd Draghead " " Deflector "

Inflow. Fore ✓

Inflow. Mid wood, whelk, rock

Inflow. Aft sand, whelk, skate, oyster

Port Overflow. Primary wood " Secondary ✓

Stbd Overflow. Primary Secondary ✓

Comments (material being dredged. effectiveness of screening, additional info on by-catch, incidents. etc.);

Could not see entire contents of box (20% sand).

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Tt	2	0650, 30 42.65, 81° 23.64 IN channel - MOM + CALF

Observer(s) On Duty: Stacie Knight, Susan Hann

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 03 / 10 / 02

Load # 43 Start 1300 End 1405 Dump 1500.

Location (lat/long, stations) 100 - 220, 30°42'N, 81°25'W Tide Stage

Weather (wind dir. beaufort. sea state. temp. etc.) NE 5-10kts, BSS = 2, clear.

Water Temp.. Surface 14.5°C Below Mid-Depth 14°C

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

Note biological samples:

Port Draghead Clear Deflector ok

Stbd Draghead clear Deflector ok

Inflow. Fore ✓

Inflow. Mid whelk, rock, wood

Inflow. Aft 2 horseshoe crab, whelk, 35% sand

Port Overflow. Primary wood Secondary ✓

Stbd Overflow. Primary wood. Secondary ✓

Comments (material being dredged. effectiveness of screening, additional info on by-catch, incidents. etc.);

1236 hrs 31°38'N, 80°51'W (2 adults)

Dredging sand.

Could not see entire contents of aft box due to sand.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: Susan Hann.

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 03 / 10 / 02

Load # 44 Start 1815 End 1900 Dump 2000

Location (lat/long, stations) 100-220, 30°42'N, 81°25'W Tide Stage 5.2

Weather (wind dir. beaufort. sea state. temp. etc.) NE 5kts, BSS=2, partly cloudy.

Water Temp.. Surface 14.5°C Below Mid-Depth 14°C

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead cable, clear Deflector ok

Stbd Draghead clear Deflector ok

Intlow. Fore

Intlow. Mid wood, whelk, quahog, trash, 1 horseshoe crab.

Intlow. Aft 50% sand + shell, quahog, oyster, whelk, horseconch.

Port Overflow. Primary woody debris, skate Secondary

Stbd Overflow. Primary woody debris. Secondary

Comments (material being dredged. effectiveness of screening, additional info on by-catch, incidents. etc.):

Dredging sand.

Could not see entire contents of box (aft only) due to sand buildup. Pins pulled + basket flushed.

'Winds of Fortune' - no turtles in trawl net.

Aerial survey - no sightings.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: Susan Hann

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: **Stuyvesant**

Project: **Kingsbay, FL**

Date: 03 / 11 / 02

Load # 45 Start 0030 End 0150 Dump 0305

Location (lat/long, stations) Stns. 100 - 220, 30°42'N, 81°25'W Tide Stage

Weather (wind dir. beaufort. sea state, temp. etc.) NNE wind 5 Kts, BSS 3, P/C

Water Temp.. Surface 14°c Below Mid-Depth 14°c

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

Note biological samples:

Port Draghead clay Deflector OK

Stbd Draghead " Wood Deflector OK

Inflow. Fore —

Inflow. Mid sand (20%) Rock, 2 HS. CRAB, K+C Whelk, Cockle, Quahog

Inflow. Aft " + clay 1 HS CRAB

Port Overflow. Primary wood Secondary

Stbd Overflow. Primary " trash Secondary

Comments (material being dredged. effectiveness of screening, additional info on by-catch, incidents. etc.);

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: Stacie Knight.

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 3 / 11 / 02

Load # 46 Start 0635 End 0805 Dump 0950

Location (lat/long, stations) stations 100-220 30°42' 81°25' Tide Stage EBB

Weather (wind dir. beaufort. sea state. temp. etc.) NNE 20kts, BSS = 5, partly cloudy

Water Temp.. Surface 13.5 C Below Mid-Depth 13 °C

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

Note biological samples:

Port Draghead clay, wood Deflector ok

Stbd Draghead clay, wood, CABLE Deflector ok

Inflow. Fore

Inflow. Mid rock, wood, 1 horseshoe crab, quahog, whelk

Inflow. Aft sand (20%), 2 toad fish, 1 skate, whelk, quahog.

Port Overflow. Primary wood Secondary

Stbd Overflow. Primary Secondary

Comments (material being dredged. effectiveness of screening, additional info on by-catch, incidents. etc.):

Could not see entire contents of aft box, pins pulled + flushed.

Dredging sand.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: S. KNIGHT, Susan Hann

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 03 / 11 / 02

Load # 47 Start 1305 End 1350 Dump 1450

Location (lat/long, stations) Stns 100-220, 30°42'N, 81°25'W Tide Stage

Weather (wind dir. beaufort. sea state. temp. etc.) NNE 20kts, BSS = 5, partly cloudy

Water Temp.. Surface 14°C Below Mid-Depth 14°C

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

Note biological samples:

Port Draghead Some clay, clear Deflector ok

Stbd Draghead clear Deflector ok

Inflow. Fore /

Inflow. Mid rock, whelk, quahog, wood.

Inflow. Aft clay, whelk, quahog.

Port Overflow. Primary clear Secondary /

Stbd Overflow. Primary clear Secondary /

Comments (material being dredged. effectiveness of screening, additional info on by-catch, incidents. etc.):

Dredging sand.

Could not see entire contents of aft box due to small buildup of clay.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: Susan Hann

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 03 / 11 / 02

Load # 48 Start 1845 End 2045 Dump 2210

Location (lat/long, stations) ~~[illegible]~~ 220 - 305, 30°42'N, 81°~~25'~~W 21' Tide Stage

Weather (wind dir. beaufort. sea state. temp. etc.) NNE 15-20kts, BSS = 3/4, partly cloudy.

Water Temp.. Surface 14°C Below Mid-Depth 14°C

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead Clay Deflector ok

Stbd Draghead clay Deflector ok

Inflow. Fore

Inflow. Mid

Inflow. Aft Clay, whelk, 2 jellyfish, quahog.

Port Overflow. Primary clear. Secondary

Stbd Overflow. Primary clear. Secondary

Comments (material being dredged. effectiveness of screening, additional info on by-catch. incidents. etc.):

Dredging clay + mud. Taking to dump.

Could not see entire contents of aft box due to severe clogging w/ clay.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: Susan Hann.

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 3 / 12 / 02

Load # 49 Start 0010 End 0100 Dump 0205

Location (lat/long, stations) Stations 100-220 30°42' 81°25' Tide Stage

Weather (wind dir. beaufort. sea state. temp. etc.) SE wind 5-10KTS, BSS 2, Cloudy

" Water Temp.. Surface 14° Below Mid-Depth 13.5°C

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

Note biological samples:

Port Draghead Clear Deflector OK

Stbd Draghead " Deflector "

Inflow. Fore —

Inflow. Mid Sand & Shell

Inflow. Aft " "

Port Overflow. Primary Wood Secondary

Stbd Overflow. Primary " Secondary

Comments (material being dredged. effectiveness of screening, additional info on by-catch, incidents. etc.):

BASKETS Totally (100%) Clogged with Material
External inspection only

SHELL: Quahog, whelk (K+C), Horse conch, Oyster, cockle, ARK clam

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: S. Knight

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 3 / 12 / 02

Load # 50 Start 0510 End 0650 Dump 0740

Location (lat/long, stations) Stations 100-220 30°42' 81°21' Tide Stage Flood

Weather (wind dir. beaufort. sea state, temp, etc.) SE Wind 5 kts, BSS2, cloudy

Water Temp.. Surface 14°C Below Mid-Depth 13.5°C

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

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector "

Inflow, Fore —

Inflow, Mid Rock, wood, whelks, Bryozoan, cockle, oyster, Quabag

Inflow, Aft cannonball Jelly

Port Overflow, Primary OK Secondary

Stbd Overflow, Primary " Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: S. KNIGHT

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 03 / 12 / 02

Load # 51 Start 1145 End 1345 Dump 1510

Location (lat/long, stations) Stns 220-305, 30°42'N, 81°21'W Tide Stage

Weather (wind dir. beaufort. sea state. temp. etc.) ESE 5kts, BSS = 2, overcast (low)

Water Temp.. Surface 15°C Below Mid-Depth 14.5°C

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

Note biological samples:

Port Draghead some clay, clear Deflector ok

Stbd Draghead clear Deflector ok

Inflow. Fore /

Inflow. Mid /

Inflow. Aft whelk, quahog, clay, olives

Port Overflow. Primary wood/horseshoe crab Secondary /

Stbd Overflow. Primary wood Secondary /

Comments (material being dredged. effectiveness of screening, additional info on by-catch, incidents. etc.);

Dredging clay + mud.

Could not enter box, external screening only. Too much clay + water.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: Susan Hann

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 03 / 12 / 02

Load # 52 Start 1650 End 1735 Dump 1825

Location (lat/long, stations) Stns 220-100, 30°42'N, 81°21'W Tide Stage

Weather (wind dir. beaufort. sea state. temp. etc.) ESE 10kts, BSS = 4, overcast

" Water Temp.. Surface 15°C Below Mid-Depth 14.5°C

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

Note biological samples:

Port Draghead clear Deflector ok

Stbd Draghead clear Deflector ok

Inflow. Fore

Inflow. Mid whelk, rock, quahog, 1 jellyfish

Inflow. Aft 1 jellyfish, whelk, quahog, sand, rock

Port Overflow. Primary ok Secondary

Stbd Overflow. Primary ok Secondary

Comments (material being dredged. effectiveness of screening, additional info on by-catch. incidents. etc.);

Dredging sand

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: Susan Hann

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 03/13/02

Load # 53 Start 2215 End 2320 Dump 0070

Location (lat/long, stations) ESE 10-15kts, BSS = 3/4, overcast Tide Stage EBB

Weather (wind dir. beaufort. sea state, temp, etc.) 220-100, 30°42'N, 81°25'W

" Water Temp.. Surface 14°C Below Mid-Depth 14°C

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

Note biological samples:

Port Draghead clear Deflector ok

Stbd Draghead clear Deflector ok

Inflow. Fore

Inflow. Mid Rock, oyster cockle, + whelks

Inflow. Aft " " 1 SKATE

Port Overflow. Primary wood, ok Secondary

Stbd Overflow. Primary wood, ok Secondary

Comments (material being dredged. effectiveness of screening, additional info on by-catch, incidents. etc.):

Dredging sand

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: Stacie Knight, Susan Hann.

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 3 / 13 / 02

Load # 54 Start 0355 End 0520 Dump 0630

Location (lat/long, stations) stations 100-220 Tide Stage Flood

Weather (wind dir. beaufort. sea state. temp. etc.) SW 10 Kt, BSS2, Cloudy

" Water Temp.. Surface 14°C Below Mid-Depth 13.5°C

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

Note biological samples:

Port Draghead line Deflector OK

Stbd Draghead line, wood Deflector "

Inflow. Fore —

Inflow. Mid Rock, oyster, whelk, cockle, ARK clam, 1 cannon Ball Jelly

" "

Inflow. Aft

Port Overflow. Primary wood Secondary

" "

Stbd Overflow. Primary Secondary

Comments (material being dredged. effectiveness of screening, additional info on by-catch, incidents. etc.);

course SAND

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: S. Knight

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 3 / 13 / 02

Load # 55 Start 0950 End 1100 Dump 1200

Location (lat/long, stations) stations 100 - 220, 30°42' 81°25' Tide Stage EBB

Weather (wind dir. beaufort. sea state. temp. etc.) W WIND 10Kts, BSS 1-2, P/C

" Water Temp.. Surface 14.5°C Below Mid-Depth 14° C

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

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead " Deflector "

Inflow. Fore /

Inflow. Mid whelk, quahog, cockles, arks, bryozoan, jellyfish, cannon balls

Inflow. Aft 1 skate, whelk, quahog, cockles, arks

Port Overflow. Primary clear, wood Secondary /

Stbd Overflow. Primary clear, wood Secondary /

Comments (material being dredged. effectiveness of screening, additional info on by-catch, incidents. etc.):

Dredging coarse sand.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
TT	8	1100 Buoy 21

Observer(s) On Duty: Stacie Knight, Susan Hann

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 03 / 13 / 02

Load # 56 Start 1535 End 1625 Dump 1720

Location (lat/long, stations) Stns 105-126, 30°42'N, 81°25'W Tide Stage

Weather (wind dir. beaufort. sea state. temp. etc.) NNW 10kts, BSS = 3, clear

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

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

Note biological samples:

Port Draghead Clear Deflector ok

Stbd Draghead Clear Deflector ok

Inflow. Fore /

Inflow. Mid horseconch, oyster, whelk, quahog, arcs

Inflow. Aft same as mid + cannonball jelly

Port Overflow. Primary woody debris Secondary /

Stbd Overflow. Primary woody debris Secondary /

Comments (material being dredged. effectiveness of screening, additional info on by-catch, incidents. etc.):

Dredging very coarse sand, a lot of shells.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: Susan Hann

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 03 / 14 / 02

Load # 57 Start 0315 End 0310 Dump 0450

Location (lat/long, stations) Stations 230-237 Tide Stage EBB => Flood

Weather (wind dir. beaufort. sea state. temp. etc.) NE 5-10kts, BSS = 3, clear

Water Temp.. Surface 15°C Below Mid-Depth 14.5°C

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

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead " Deflector "

Intlow. Fore /

Intlow. Mid —

Intlow. Aft wood, clay, 3 CONNOSE RAYS, 4 H.S. CRAB, B gozon

Port Overflow. Primary Wood Secondary /

Stbd Overflow. Primary " Secondary /

Comments (material being dredged. effectiveness of screening, additional info on by-catch. incidents. etc.):

Dredging ~~sand (coarse)~~ SILT And Clay

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
/		

Observer(s) On Duty: Stacie Knight, Susan Hann

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 3 / 14 / 02

Load # 58 Start 0715 End 0830 Dump 0920

Location (lat/long, stations) Stations 105-126 30°42' 81°25 Tide Stage Flood

Weather (wind dir, beaufort, sea state, temp, etc.) NE wind 5-10 Kts, BS1 clear

Water Temp.. Surface 15 Below Mid-Depth 14.5°C

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

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead Rock, line Deflector OK

Inflow, Fore —

Inflow, Mid whelk, oyster, quahog, ark clam, 1 horseshoe crab

Inflow, Aft Same as mid. + 1 toad fish.

Port Overflow, Primary wood Secondary

Stbd Overflow, Primary Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

- dredging coarse sand

- overflows cleaned

- ARIAL survey today

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: S. Knight, Susan Hann

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 03 / 14 / 02

Load # 59 Start 1320 End 1420 Dump 1525

Location (lat/long, stations) Stns 105-126, 30°42'N, 81°25'W Tide Stage

Weather (wind dir. beaufort. sea state. temp. etc.) SE 5kts, BSS = 2, partly hazy

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

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

Note biological samples:

Port Draghead clear Deflector ok

Stbd Draghead clear Deflector ok

Inflow. Fore /

Inflow. Mid horseconch, whelk, oyster, quahog, ark clam

Inflow. Aft same as mid + 1 skate.

Port Overflow. Primary clear Secondary /

Stbd Overflow. Primary clear. Secondary /

Comments (material being dredged. effectiveness of screening, additional info on by-catch, incidents. etc.):

1312hrs 30°24' N, 81°24' W (1 adult)

Dredging coarse sand.

Could not see entire contents of aft box due to sand buildup. Pins pulled + basket flushed.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Tt	4-5	1330, buoy 19.

Observer(s) On Duty: Susan Hann

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 03 / 14 / 02

Load # 60 Start 1805 End 1925 Dump 2020.

Location (lat/long, stations) Stns 100-127 Tide Stage

Weather (wind dir. beaufort. sea state. temp. etc.) SE 5kts, BSS = 2, hazy

Water Temp.. Surface 15.5°C Below Mid-Depth 15.5°C

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

Note biological samples:

Port Draghead clear Deflector OK

Stbd Draghead clear Deflector OK

Inflow. Fore /

Inflow. Mid whelk, horseconch, oyster.

Inflow. Aft whelk, horseconch, oyster, 1 skate.

Port Overflow. Primary clear Secondary /

Stbd Overflow. Primary clear Secondary /

Comments (material being dredged. effectiveness of screening, additional info on by-catch, incidents. etc.):

Dredging sand.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: Susan Hann

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 3 / 15 / 02

Load # 61 Start 0030 End 0225 Dump 0355

Location (lat/long, stations) Stations 220-305 Tide Stage EBB

Weather (wind dir. beaufort. sea state. temp. etc.) W wind 5Kts, BSS1, Clear

Water Temp.. Surface _____ Below Mid-Depth _____

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

Note biological samples:

Port Draghead line Deflector OK

Stbd Draghead OK Deflector OK

Inflow. Fore —

Inflow. Mid /

Inflow. Aft clay, whelks, oyster, cockles, ARK,

Port Overflow. Primary wood Secondary _____

Stbd Overflow. Primary " Secondary _____

Comments (material being dredged. effectiveness of screening, additional info on by-catch, incidents. etc.);

- CLAY to SILT

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
/		

Observer(s) On Duty: Stacie Knight

ENDANGERED SPECIES OBSERBER PROGRAM

604-467 0102

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 3 / 15 / 02

Load # 62 Start 0550 End 0700 Dump 0720

Location (lat/long, stations) stations 105-127 Tide Stage Flood

Weather (wind dir. beaufort. sea state, temp. etc.) W wind 5-10 kts, BSS1 Clear

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

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

Note biological samples:

Port Draghead line, clay Deflector OK

Stbd Draghead wood Clay Deflector "

Inflow. Fore —

Inflow. Mid Rock, whelks 1 Ray

Inflow. Aft " "

Port Overflow. Primary wood " Secondary

Stbd Overflow. Primary Secondary

Comments (material being dredged. effectiveness of screening, additional info on by-catch, incidents. etc.);

COURSE SAND

0926 30°39' 81°25' Right whale 1 Adult / 1 calf

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
TE	~~0645~~ 3	0645 Buoy 29

Observer(s) On Duty: S. KNIGHT

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 3 / 15 / 02

Load # 63 Start 1340 End 1640 Dump 1835

Location (lat/long, stations) STATIONS 220-230, 30°42' 81°21' Tide Stage 1.4-0.1-0.6

Weather (wind dir, beaufort, sea state, temp, etc.) SE 5-10kts, BSS=3, clear

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

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

Note biological samples:

Port Draghead CLAY Deflector OK

Stbd Draghead CLAY Deflector OK

Inflow, Fore /

Inflow, Mid * KEMP'S Ridley sea turtle, clay, whelks, oyster

Inflow, Aft Clay, whelks, oyster, cockle, ARK

Port Overflow, Primary ~~wood~~ Secondary /

Stbd Overflow, Primary Wood Secondary /

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

- SEA TURTLE WAS SHOWING SOME SIGNS OF LIFE SUCH AS BLINKING AND MOVEMENT OF FLIPPERS. INCIDENT REPORT FILLED OUT AND APPROPRIATE PERSONNEL NOTIFIED

- 50% OF INFLOW BOX FILLED WITH CLAY; COULD NOT SEE ENTIRE CONTENTS

- Dredging clay & mud.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
/		

Observer(s) On Duty: Susan Hann, STACIE KNIGHT

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 3 / 15 / 02

Load # 64 Start 2035 End 2150 Dump 2245

Location (lat/long, stations) Stns 105-127, 30°42'N, 81°25'W Tide Stage 5.9 → 5.8

Weather (wind dir, beaufort, sea state, temp, etc.) SE <5kts, BSS=2, clear.

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

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

Note biological samples:

Port Draghead clear Deflector ok

Stbd Draghead * Kemp's Ridley Turtle Take Deflector ok

Inflow, Fore /

Inflow, Mid whelk, oyster, ark clam, quahog.

Inflow, Aft same as mid

Port Overflow, Primary woody debris Secondary /

Stbd Overflow, Primary woody debris. Secondary /

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

- Dredging coarse sand.
- 5 Knots due to Right whale sightings

- Kemp's Ridley turtle take - see report, found in starboard draghead. Half of carapace missing, head + both front flippers present. Right rear ball joint present. Incident report filled out + appropriate personnel notified.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
/		

Observer(s) On Duty: Susan Hann, Stacie Knight

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 3/16/02

Load # 65 Start ~~0345~~ 0415 End 0735 Dump 0900

Location (lat/long, stations) Stations 230-305 30°42' 81°21' Tide Stage Flood

Weather (wind dir. beaufort, sea state, temp, etc.) 80°F, WSW 5-10 Kts BSS 1 Hazy/Clear

Water Temp.. Surface 16° C Below Mid-Depth 15°C

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

Note biological samples:

Port Draghead Clay, Metal Rod Deflector OK

Stbd Draghead Clay, wood Deflector OK

Inflow, Fore —

Inflow, Mid —

Inflow, Aft 70% Clay*

Port Overflow, Primary wood TRASH Secondary wood

Stbd Overflow, Primary " Secondary "

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

* STIFF CLAY - Could Not see ENTIRE load

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Rc	5	0640 Near Buoy 17A

Observer(s) On Duty: S. KNIGHT

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 3 / 16 / 02

Load # 66 Start 1035 End 1330 Dump 1500

Location (lat/long, stations) STATIONS 230-305 30°42 N 81°21' W Tide Stage

Weather (wind dir. beaufort. sea state. temp. etc.) WSW Wind 10 KTS, BSS1, Mostly clear

Water Temp.. Surface 16° C Below Mid-Depth 15 °C

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead some clay, clear Deflector ok

Stbd Draghead some clay, log, clear Deflector ok

Inflow. Fore

Inflow. Mid

Inflow. Aft blocked w/ clay, whelk, quahog, 1 sea cucumber.

Port Overflow. Primary clear Secondary

Stbd Overflow. Primary clear Secondary

Comments (material being dredged. effectiveness of screening, additional info on by-catch, incidents. etc.):

- "Winds of Fortune" reported spotting a TURTLE NEAR Buoy 19A
- Dredging clay & mud
- Large numbers of cannonball jellies in surrounding waters.

- Aft inflow box blocked w/ clay, could not see entire contents of box

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: Stacie Knight, Susan Hann.

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 03 / 16 / 02

Load # 67 Start 1635 End 2040 Dump 2215

Location (lat/long, stations) Stns. 230-305, 30°42'N, 81°21'W Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) SE 5-10 kts, BSS = 2, partly cloudy

Water Temp.. Surface 16.5°C Below Mid-Depth 16.5°C

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead clay, clear, cannonball jelly Deflector ok

Stbd Draghead clear Deflector ok

Inflow, Fore

Inflow, Mid

Inflow, Aft whelk, horseconch, clay, 2 horseshoe crab.

Port Overflow, Primary clear Secondary

Stbd Overflow, Primary clear Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Could not see entire contents of box due to severe clogging w/ clay.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: Susan Hann

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 03 / 17 / 02

Load # 68 Start 0015 End 0410 Dump 0545

Location (lat/long, stations) Stations 230 - 305 30°42' 81°21' Tide Stage 4.0 - 0.2

Weather (wind dir. beaufort, sea state, temp. etc.) clear + CALM

Water Temp.. Surface 17°C Below Mid-Depth 16.5°C

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

Note biological samples:

Port Draghead Clay Deflector Broken SHACKLE *1

Stbd Draghead Tire Clay Deflector

Inflow, Fore —

Inflow, Mid —

Inflow, Aft 75% Clay *2, whelk, ARK, Quahog, Cannonball Jelly

Port Overflow, Primary Secondary

Stbd Overflow, Primary Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

1. BEING Repaired

2. could NOT SEE ENTIRE CONTENTS OF BOX

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: S. KNIGHT

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 3 / 17 / 02

Load # 69 Start 0730 End 1030 Dump 1210

Location (lat/long, stations) 230 - 305, N 30°42' W 81°21' Tide Stage 3.3-5.5

Weather (wind dir. beaufort. sea state, temp. etc.) Clear & CALM

Water Temp.. Surface 17°C Below Mid-Depth 15.5°C

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

Note biological samples:

Port Draghead — Deflector Being Repaired

Stbd Draghead Clay, wood, trash Deflector

Inflow. Fore

Inflow. Mid clay, oyster, whelk

Inflow. Aft

Port Overflow. Primary OK Secondary OK

Stbd Overflow. Primary Secondary

Comments (material being dredged. effectiveness of screening, additional info on by-catch, incidents. etc.):

75% Filled with clay COULD NOT SEE ENTIRE BOX

TRAWLER caught 2 KEMP'S

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
TT	8-10	0825 NEAR Buoy 17
LK Kemps	1	0940 30 42.60, 81°21.81 Buoy 19

Observer(s) On Duty: S. KNIGHT

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 03 / 17 / 02

Load # 70 Start 1340 End 1640 Dump 1815

Location (lat/long, stations) Stns 230-305, 30°42'N, 81°21'W Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) Calm + clear

Water Temp.. Surface 16.5°C Below Mid-Depth 16°C

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

Note biological samples:

Port Draghead Being repaired Deflector Broken Shackle.

Stbd Draghead Clay Deflector ok

Inflow, Fore

Inflow, Mid

Inflow, Aft Clay + shell, whelk, quahog.

Port Overflow, Primary Clear Secondary

Stbd Overflow, Primary clear. Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Material dredged; clay + mud.

Could not see entire contents of box due to severe clogging w/ clay.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: Susan Hann

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 03 / 17 / 02

Load # 71 Start 1945 End 2225 Dump 0005

Location (lat/long, stations) Stns. 220-305, 30°42'N, 81°21'W Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) SE 5-10Kts, BSS = 2, partly cloudy.

Water Temp.. Surface 18 °C Below Mid-Depth 17 °C

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

Note biological samples:

Port Draghead Being repaired Deflector Broken shackle.

Stbd Draghead clay Deflector ok

Inflow, Fore

Inflow, Mid

Inflow, Aft full of clay, whelk, horseconch, bryozoan.

Port Overflow, Primary clear Secondary

Stbd Overflow, Primary clear. Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

- Material dredged; clay & mud., offshore dump
- Could not see entire contents of box due to severe clogging w/ clay.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: Susan Hann.

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 3 / 18 / 02

30°42.65 81°21.01

Load # 72 Start 0335 End 0420 Dump 0555

Location (lat/long, stations) Stations 230 – 305 Tide Stage 5 → 0.5

Weather (wind dir. beaufort. sea state. temp. etc.) SE wind 5 Kts, BSS1 P/C

Water Temp.. Surface _____ Below Mid-Depth _____

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

Note biological samples:

Port Draghead line, clay Deflector ok

Stbd Draghead Clay, TRASH Deflector "

Inflow. Fore —

Inflow. Mid —

Inflow. Aft TRASH, clay, whelk

Port Overflow. Primary _____ Secondary _____

Stbd Overflow. Primary _____ Secondary _____

Comments (material being dredged. effectiveness of screening, additional info on by-catch, incidents. etc.):

SILT & some clay

OFF-Shore dump

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: S. Knight

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 3 / 18 / 02

Load # 73 Start 0720 End 1030 Dump 1155

Location (lat/long, stations) Stations 230-305 30°42'.65, 81°21.29 - 81° Tide Stage 2.4 - 5.3

Weather (wind dir. beaufort. sea state, temp. etc.) w wind 5 kts, BSS 1. P/C

Water Temp., Surface 16°C Below Mid-Depth 15°C

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

Note biological samples:

Port Draghead wood clay Deflector OK

Stbd Draghead Rope clay Deflector OK

Inflow. Fore —

Inflow. Mid —

Inflow. Aft 70% clay, shell, 2' intestine unidentified

Port Overflow. Primary wood Secondary OK

Stbd Overflow. Primary " Secondary OK

Comments (material being dredged. effectiveness of screening, additional info on by-catch, incidents. etc.):

- OFFSHORE dump

Clay & silt

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments			
Ccaretta	1	0840	3042.66,	81°21'.22	Buoy 17
L. Kempii	1	0900	3042.64,	81 22.10	Buoy 17A
TE	5	0905	3042.64	81 22.15	Buoy 17A
CC	1	1010 → seen throughout Load	3042.71	81 21 65	Buoy 16

Observer(s) On Duty: S. Knight

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 03 / 18 / 02

Load # 74 Start 1340 End 1545 Dump 1625

Location (lat/long, stations) 183-227 30°42'.66-59, 81°23.16 25.05 Tide Stage

105-119

Weather (wind dir. beaufort. sea state. temp. etc.) S 5-10 kts, BSS = 3, partly cloudy

Water Temp.. Surface 17°C Below Mid-Depth 17°C

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

Note biological samples:

Port Draghead Cownose skate, wood Deflector ok

Stbd Draghead clear Deflector ok

Inflow. Fore

Inflow. Mid whelk, horseconch, sea whip.

Inflow. Aft same as mid.

Port Overflow. Primary clear Secondary

Stbd Overflow. Primary clear Secondary

Comments (material being dredged. effectiveness of screening, additional info on by-catch, incidents. etc.):

Material dredged: coarse sand.

Load pumped ashore.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: Susan Hann

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 03 / 18 / 02

Load # 75 Start 2030 End 2120 Dump 2215

Location (lat/long, stations) 105-119, 30°42'.66-59N, 81°23.16-25'05W Tide Stage 3.8 - 4.75

Weather (wind dir. beaufort. sea state. temp. etc.) SE 5-10kts, BSS=2, partly cloudy.

Water Temp.. Surface 17°C Below Mid-Depth 17°C

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

Note biological samples:

Port Draghead wood Deflector ok

Stbd Draghead netting Deflector ok

Inflow. Fore

Inflow. Mid Rock, HORSECONCH, oyster, whelk, quahog

Inflow. Aft Rock, Wood, 2 COWNOSE RAYS, whelk, oyster, quahog

Port Overflow. Primary * Loggerhead head Secondary

Stbd Overflow. Primary clear; RAY Secondary Wood

Comments (material being dredged. effectiveness of screening, additional info on by-catch, incidents. etc.):

- Material dredged; coarse sand
- Pumped ashore.
- Biological bycatch;

* Turtle take; loggerhead

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: Susan Hann, Stacie Knight.

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 3 / 19 / 02

Load # 76 Start 1150 End 1815 Dump 1415

Location (lat/long, stations) STATIONS 227-183 30°42.-66 — 30°42.67 Tide Stage

Weather (wind dir. beaufort, sea state, temp. etc.) SE 5 KTS, BSSL, P/C 81°23.73 — 22.77

Water Temp.. Surface 17.5 °C Below Mid-Depth 17 °C

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

Note biological samples:

Port Draghead Clay, clear Deflector ok

Stbd Draghead clear Deflector ok

Intlow. Fore

Intlow. Mid whelks, quahogs

Intlow. Aft " "

Port Overflow. Primary Clear Secondary

Stbd Overflow. Primary horseshoe crab, clear Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Material dredged; coarse sand.
Pumped ashore.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: Stacie KNIGHT, Susan HANN

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 03 / 19 / 02

Load # 77 Start 1650 End 1805 Dump 1905

Location (lat/long, stations) Strs 227-183, 30°42'.66-67N, 81°23'.73-22'.77 Tide Stage

Weather (wind dir. beaufort. sea state. temp. etc.) SE 5kts, BSS=1, P/C

Water Temp.. Surface 18°C Below Mid-Depth 18°C

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

Note biological samples:

Port Draghead Clear Deflector ok

Stbd Draghead Clear Deflector ok

Inflow. Fore /

Inflow. Mid whelk, horseconch, 1 horseshoe crab.

Inflow. Aft 1 horseshoe crab, whelk, horseconch.

Port Overflow. Primary Clear Secondary /

Stbd Overflow. Primary clear Secondary /

Comments (material being dredged. effectiveness of screening, additional info on by-catch, incidents. etc.):

- Material dredged; coarse sand.
- Pumped ashore.
- 'Winds of Fortune' - caught 1 Kemp's Ridley, 1 Green

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: Susan Hann

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 03 / [redacted] / 02

Load # 78 Start 2155 End 2250 Dump 2355

Location (lat/long, stations) Stns 105-119, 30°42'.66-59N, 81°23'.16-25'.05W Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) SE 5kts, BSS=2, P/C

Water Temp.. Surface 17.5°C Below Mid-Depth 17°C

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

Note biological samples:

Port Draghead Clear Deflector ok

Stbd Draghead clay, wood Deflector ok.

Inflow, Fore

Inflow, Mid Rock, whelk, wood, trash, oyster shell

Inflow, Aft

Port Overflow, Primary Clear Secondary

Stbd Overflow, Primary Clear Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Material dredged; coarse sand

Pumped ashore.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: Susan Hann, Stacie Knight.

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 3 / 20 / 02

Load # 79 Start 0425 End 0550 Dump 0700

Location (lat/long, stations) SE wind skts, BSS1, P/C Tide Stage EBB

Weather (wind dir, beaufort, sea state, temp, etc.) 105-119, 183-277 stations 30°42.66' 81°23'

Water Temp.. Surface 17 °C Below Mid-Depth 16 °C

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

Note biological samples:

Port Draghead Clear Deflector OK

Stbd Draghead Metal Deflector OK

Inflow, Fore —

Inflow, Mid Rock, 4 HS crabs, wood, whelk

Inflow, Aft Rock, 3 HS crabs

Port Overflow, Primary Clear Secondary Clear

Stbd Overflow, Primary Clear Secondary Clear

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: Stacie Knight

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 3 / 20 / 02

Load # 80 Start 1005 End 1130 Dump 1230

Location (lat/long, stations) stations 105-119 183-227 30°42'.66 -.65, 81.25.05 - 22'.69 Tide Stage Flood

Weather (wind dir. beaufort, sea state, temp. etc.) SE WIND 10-15 KTS BSS2, P/C

Water Temp.. Surface 18.5 Below Mid-Depth 17.5°C

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

Note biological samples:

Port Draghead Rock Deflector OK

Stbd Draghead clear Deflector OK

Inflow. Fore —

Inflow. Mid Rock, TRASH, wood, WHELK, oyster 3 HS crab

Inflow. Aft " " 1 HS crab

Port Overflow. Primary OK Secondary OK

Stbd Overflow. Primary OK Secondary "

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.);

Pumped ashore

Coarse sand

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: S. KNIGHT

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 3 / 20 / 02

Load # 81 Start 1530 End 1640 Dump 1740

Location (lat/long, stations) Stations 105-119 185-237 3042.66-65, 8125.05-8122.69 Tide Stage Ebb

Weather (wind dir, beaufort, sea state, temp, etc.) SE wind 10-15kt, BSS 4, P/C

Water Temp.. Surface 18.5° Below Mid-Depth 17.5°C

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

Note biological samples:

Port Draghead Clear Deflector OK

Stbd Draghead trash ok Deflector OK

Inflow, Fore —

Inflow, Mid Clay, sand, shell, wood 2 cownose Ray

Inflow, Aft "

Port Overflow, Primary Clear Secondary ok

Stbd Overflow, Primary clear - Nose Skate Secondary OK

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Pumped ashore - coarse sand

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: S. KNIGHT

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Stuyvesant

Project: Kingsbay, FL

Date: 3 / 26 / 02

Load # 82 Start 2105 End 2240 Dump 2330 - 0210

Location (lat/long, stations) Stations 105-119 193-227 30°42', 66-65, 81°25.05' - 81°22.69 Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) SW Wind 10 kts, BSS 3, Cloudy

Water Temp., Surface 18.5°C Below Mid-Depth 17.5°C

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

Note biological samples:

Port Draghead Clear Deflector OK

Stbd Draghead Clear Deflector OK

Inflow, Fore —

Inflow, Mid Kemp's Ridley, Rock, 2 HS Shoe CRAB, sponge, Bryozoan, Whelk

Inflow, Aft Rock, TRASH, Whelk oyster, cockle Bryozoan

Port Overflow, Primary Clear Secondary —

Stbd Overflow, Primary Clear Secondary —

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Pumped ashore

Coarse SAND

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: S. KNIGHT