ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: SAVANNAH HARBOR

DAILY REPORT

Date: 01 / 16 / 02 Loads: (1)

Area(s) Worked Stations -7+000 / -10+000

Weather Conditions (incl. sea conditions) CALM, CLEAR, NO WIND, 2' SWELL, 52°F

Range of Water Temp., Surface 55°F Below Mid-Depth —

Condition and Effectiveness of Screening EXCELLENT!

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

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

* DREDGING OPERATIONS COMMENCE AT 2108.

* THE REQUIRED 1x4" SEA TURTLE SCREENING IS IN PLACE FOR BOTH THE INFLOW (OVER THE FRONT OF FOUR BOXES, 2 AFT AND 2 FORWARD) AND OUTFLOW (OVER THE TOP OF TWO SKIMMERS OR WIERS, ONE FOWARD AND ONE AFT.) OF ALL MATERIAL. ALSO TURTLE DEFLECTORS ARE IN PLACE ON BOTH DRAGHEADS AND IN GOOD WORKING CONDITION.

* THE DREDGED MATERIAL DURING THE FIRST LOAD WAS OILY BLACK MUDDY SAND. ABIOTIC SAMPLES COLLECTED INCLUDED A FEW CLAY BALLS, WOOD, ROCK, AND SOME GARBAGE. BIOLOGICAL SAMPLES INCLUDED (4) HORSESHOE CRAB, (1) BLUE CRAB (1) DOLLY VARDEN CRAB (8) KNOBBED WHELK SHELLS (1/2 EMPTY), AND MINOR OTHER SHELLS.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) on Duty: CARY DERINGER / ZACK KLYVER

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: SAVANNAH HARBOR

DAILY REPORT

Date: 01 / 17 / 02 Loads: 2-10

Area(s) Worked STATIONS -7000 to -10.000

Weather Conditions (incl. sea conditions) SUNNY AM / OVERCAST PM FOG UNTIL 0830 WIND 10-15K N/NE, NW SWELL 2-6 FT.

Range of Water Temp., Surface 54 - 55°F Below Mid-Depth ——

Condition and Effectiveness of Screening EXCELLENT OVERALL

(*) WHALE WATCH: FROM SUNRISE TO SUNSET

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

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

(*) DREDGE MATERIAL: OILY MUD, MUDDY CLAY. INFLOW SCREENING @ 100%. BOXES DIFFICULT TO OPEN - PACKED W/ MUD.

(*) BIOLOGICAL SAMPLES: (ARTHROPODS); HORSESHOE CRABS (100-120), SPIDER CRABS (2), BLUE CRAB (2), UNK. CRAB SP. (2), MUD CRAB (1), SHRIMP SP. (1), (MOLLUSCA); KNOBBED WHELK (50), SHARK'S EYE (5-10), MISC SHELLS, (ASCIDIACEA), SEA PORK (4), (RHYNCHOCOELA), NEMERTEAN SP. (2), (FISH); FLOUNDER (1), (SPERMATOPHYTA); EELGRASS, (MISC.), EEL (1), WHELK EGG CASES (10-20)

(*) ABIOTIC MATERIALS = WOOD, PLASTICS, ROCKS, FISHING LINE, ROPE

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
T. truncatus	5	?, 1030, 1515, 1545. ALL BUT 1 INSIDE JETTY

Observer(s) on Duty: C. DERINGER & Z. KLYVER

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: SAVANNAH HARBOR

DAILY REPORT

e: 01 / 18 / 02 Loads: 11 - 18

a(s) Worked LOADS 11-12 @ 7+00 - 10+00, LOADS 13-18 @ 2+50 - 5+00

ıther Conditions (incl. sea conditions) CALM, SUNNY, FLAT 50°s F

ge of Water Temp., Surface 53 - 54 °F Below Mid-Depth ——

dition and Effectiveness of Screening EXCELLENT WHEN IN USE

(*) WHALE WATCHING FROM SUNRISE TO SUNSET

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

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

(*) DREDGE MATERIAL MUDDY, SAND/SHELL MIXTURE. @ 1400, BOXES WERE LEFT OPEN DURING DREDGING FOR REMAINDER OF DAY (AS PER ACOE VIA NMFS) BECAUSE OF CONSTANT CLOGGING W/ DEBRIS (MOSTLY WOOD). SOME REPAIRS WERE MADE TO BOTH FWD. BOXES.

(*) BIOLOGICAL SAMPLES: (ARTHROPODS); HORSESHOE CRABS (84), BLUE CRAB (1), SPIDER CRAB (3), UNK. CRAB SP. (1), (ACIDIACEA); SEA PORK (5-10), WORM SP. = FLATWORM (1), EERANT POLYCHAETE (3), NEMERTEAN (3), (MOLLUSCA); WHELK SP. (15-20), WHELK EGG CASE (8-10), MISC. SHELLS (OYSTER-TYPE SHELLS), (SPERMATOPHYTA); EELGRASS.

(*) ABIOTIC MATERIAL: METAL, WOOD, FISHING LINE, ROCKS, CLAY BALLS,

Bridge Watch Summary

ıies	# of Animals	Time/ Location/ Comments
T truncatus	13	0703 - 1705 * SEEMS TO BE 3-4 INDIVIDUALS THAT HANG AROUND CHANNEL ENTRANCE JUST INSIDE JETTY.

ɛrver(s) on Duty: C. DERINGER / Z. KLYVER

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: SAVANNA H HARBOR

DAILY REPORT

Date: 01 / 19 / 02 Loads: 19-27

Area(s) Worked LOADS 19÷20 @ $\frac{-2+000}{-4+000}$, 21 @ $\frac{-7+000}{-10+000}$, 22÷23 @ $\frac{-11+500}{-16+500}$, 24÷25 @ $\frac{-8+00}{-10+00}$ 26÷27 @ $\frac{-11+500}{-16+500}$

Weather Conditions (incl. sea conditions) WIND S 15-25K, OVERCAST, SEAS S 6FT SWELL

Range of Water Temp., Surface 54° TO 55°F Below Mid-Depth 62°F

Condition and Effectiveness of Screening EXCELLENT WHEN IN USE

* WHALE WATCHING FROM SUNRISE TO SUNSET

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

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

(*) BOXES LEFT OPEN FROM 1400 (1/18/02) TO 0600 (1/19/02) ÷ 1500 TO 1940. PORT ÷ STBD FWD. BOXES LEFT OPEN REMAINDER OF THE DAY. DREDGE MATERIAL = MUD, SAND, CLAY.

(*) BIOLOGICAL SAMPLES: (ARTHROPODS); HORSESHOE CRABS (88), BLUE CRAB (2), SPIDER CRAB (1), UNK. CRAB SP. (1), SHRIMP SP. (3), (WORM SP.); NEMERTEAN SP., (FISH) FLOUNDER, CROAKER?, (SEA STARS); SLENDER SEA STAR (3), (MOLLUSCA); WHELK SP. (20-25), (MISC); EELGRASS, SEAWEED SP., SEA SHELLS

(*) TURTLE BONE (FROM CARAPACE); SMALL PIECE FOUND — OBVIOUSLY OLD ÷ QUITE DETERIORATED.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
T truncatus	15	1030 – 1550: FOLLOWING FISHING BOAT, INSIDE JETTY / CHANNEL ENTRANCE,

Observer(s) on Duty: C. DERINGER / Z. KLYVER

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: SAVANNAH HARBOR

DAILY REPORT

Date: 01 / 20 / 02 Loads: 28 - 35

Area(s) Worked LOADS 28@ $\frac{-10+000}{-8+000}$, 29-31@ $\frac{-11+500}{-16+500}$, 32-33@ $\frac{-10+000}{-7+500}$, 34-35@ $\frac{-11+500}{-16+500}$

Weather Conditions (incl. sea conditions) NW → NE → CALM (P.M.), 1-2' SEA, CLEAR, 45-52°F

Range of Water Temp., Surface 53°-55°F Below Mid-Depth —

Condition and Effectiveness of Screening EXCELLENT!

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

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

* MATERIAL BEING DREDGED IS A MUDDY SAND WITH GREATER AMOUNTS OF SHELL AND DEBRIS WHEN WORKING INSIDE.

* DURING LOADS 28, 32, AND 33 THERE WAS NO INFLOW SCREENING AS WE WERE WORKING FARTHER UP THE CHANNEL IN SECTIONS -2+000 / -10+000, THE FRONT DOORS TO ALL FOUR SCREENING BOXES WERE OPENED WITH APROVAL OF THE (ACOE) AS THEY WERE QUICKLY CLOGGING WITH DEBRIS. ALL LOADS CONTAINED LOTS OF GARBAGE AND WOOD.

* BIOLOGICAL SAMPLES COLLECTED INCLUDE ARTHROPODS; HORSESHOE CRAB (285-311), BLUE CRAB (5), SPIDER CRAB (3), SHRIMP SP? (2) CNIDARIA; JELLYFISH SP? (2) RHYNCHOCOELA; NEMERTEAN WORMS (2) ASCIDIACEA; SEA PORK (7) FISH; STINGRAY (1) HADDOCK SP? (1) FLOUNDER (1) EEL (11), MOLLUSCA; KNOBBED WHELK (22), SHARKS EYE (3)

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
T. truncatus	8	3 SIGHTING, 1 GROUP OF 3 FOLLOWING SHRIMP BOAT WITH NET OUT.

Observer(s) on Duty: C. DERINGER & Z. KLYVER

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: SAVANNAH HARBOR

DAILY REPORT

Date: 01 / 21 / 02 Loads: 36 - 45

Area(s) Worked ALL LOADS @ -11+500 / -16+500

Weather Conditions (incl. sea conditions) THICK FOG 7-930 AM & 1015 AM TO 1435 PM 62°F HAZY SW WIND 2-5K, SW SWELL 1FT.

Range of Water Temp., Surface 54° - 55°F Below Mid-Depth —

Condition and Effectiveness of Screening EXCELLENT WHEN IN USE

(*) WHALE WATCHING FROM SUNRISE TO SUNSET; WHEN FOG CLEARED

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

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

(*) DREDGE MATERIAL = SAND, MUD, SHELL.

(*) BIOLOGICAL SAMPLES = (ARTHROPODS): HORSESHOE CRABS (350-500), SPIDER CRAB (6), ROCK/STONE CRAB (1), (MOLLUSCA), WHELK SP. (23), MISC. SHELLS; (ASCIDIACEA); SEA PORK (5); EELS (11); WORM SP., POLYCHAETE SP. (3), NEMERTEAN SP. (5), (CNIDARIA); JELLYFISH (1), EELGRASS, MISC. PLANT MATTER, (FISH); FLOUNDER (2), UNK. FISH SP. (1), MISC. SPONGE SP.

(*) ABIOTIC MATERIAL = METAL CANS, PLASTIC, WOOD, FISHING NETS & LINES, ROPE, SHOES.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Truncatus	9	0915, 1355, 1600, 1745: NEAR JETTY & IN CHANNEL; 2 SEEN 6-MILES OFFSHORE.

Observer(s) on Duty: C. DERINGER & Z. KLYVER

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: SAVANNAH HARBOR

WEEKLY SUMMARY

Date: 01 / 16 / 02 - 01 / 20 / 02 Load Numbers 1-35

Range of Water Temp., Surface 53°F → 55°F Below Mid-Depth

Areas Worked (lat/longs, stations) STATIONS -2+000 / -16+000

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

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

* 01/16 — DREDGING COMMENCES IN SAVANNAH ENTRANCE HARBOR BETWEEN TYBEE ISLAND LIGHT AND THE JETTY.

* MATERIAL BEING DREDGED IS A MUDDY SAND AND SHELL.

* 01/19 SCREENING BOXES START BACKING UP AND CLOGGING WITH ABIOTIC DEBRIS, HUMAN GARBAGE, AND CLAY BALLS AS THE SHIP MOVED TO THE INSIDE SECTIONS (-2+000 / -10+000). ACOE OFFICER GLENN MAKES THE APPROPRIATE PHONE CALLS AND GIVES US PERMISSION TO OPEN ALL INFLOW SCREENS WHEN WORKING INSIDE AREAS, SAME FOR 01/20.

* BIOLOGICALS COLLECTED IN INFLOW SCREENING — ARTHROPODS; HORSE-SHOE CRAB (560-600), BLUE CRAB (11), SPIDER CRAB (9), ASCIDIACEA; SEA POPK (12-17) ECHINODERMATA S. SEA STAR (3) CNIDARIA; CANNONBALL JELLY (3), MOLLUSA; WHELKS (153), SHARK EYE (3), DOLLY VARDEN CRAB (1), MUD CRAB (1), FISH; STINGRAY (1), FLOUNDER (4), CROACKER (2), EEL (11), RHYNCHOCOEA; NEMERTEAN WORM (6).

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
01 / 17	Turisops truncatus (5).	Channel + Dump site
01 / 18	T truncatus (13)	Channel
01 / 19	T. truncatus (15)	Pod of 10 following shrimper
01 / 20	T. truncatus (8)	Channel
/		
/		
/		

Observers: CARY DERINGER / ZACK KLYVER

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAY PORT

Project: SAVANNAH HARBOR

DAILY REPORT

e: 01 / 22 / 02 Loads: 46 - 55

a(s) Worked 46-50 @ -11+500/-16+500, 51-55 @ -17+000/-20+000

ıther Conditions (incl. sea conditions) WIND NE 10-25 K, 2-5' SWELL (NE), CLEAR, 60-70°F

ge of Water Temp., Surface 55°F Below Mid-Depth ——

dition and Effectiveness of Screening EXCELLENT

(*) WHALEWATCHING: SUNRISE TO SUNSET

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

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

(*) DREDGE MATERIAL: MUD, SAND, CLAY. LOADS 51 & 52 PACKED STBD. FWD & AFT, & PORT AFT 1/2 TO 3/4 W/ MUD & CLAY. COARSER SAND & MORE DEBRIS (LOAD #55)

(*) BIOLOGICAL SAMPLES: (ARTHROPODS), HORSESHOE CRAB (350-400), SPIDER CRAB (7), BLUE CRAB (4), (MOLLUSCA), WHELK SP. (20), MISC. SHELLS, WORM SP.; (5), (CNIDARIA); (1) EEL (4), (ASCIDIACEA), SEA PORK (5), CORAL SP., MISC. PLANT MATTER, SLENDER SEA STARS (2).

ABIOTIC DEBRIS: WIRE MESH & FISHING NETS IN DRAGHEADS (LOADS # 52-56), WOOD, PLASTICS, METAL, FISHING LINE,

Bridge Watch Summary

ıies	# of Animals	Time/ Location/ Comments
T. truncatus	7	0800 (#1-5), 1245 (2); WEST OF BUOY #17 ? LOC.

ɛrver(s) on Duty: C. DERINGER / Z. KLYVER

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: SAVANNAH HARBOR

DAILY REPORT

Date: 01/23/02 Loads: 56 – 64

Area(s) Worked 56-58 @ -17+000 / -20+000, 59-64 @ -20+832 / -23+500

Weather Conditions (incl. sea conditions) AM: WIND NE 10K, SEAS NE 2' SWELL 55°F, CLEAR / PM (1430) HEAVY FOG; VIS ≈ 30 FT., WIND W 2-5K, SEAS ESE 2-4'; 69°F

Range of Water Temp., Surface 58°F Below Mid-Depth ____

Condition and Effectiveness of Screening EXCELLENT

(*) WHALE WHATCHING = SUNRISE TO 1430 — FOG!

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

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

(*) DREDGE MATERIAL: MUDDY SAND W/ SHELL FRAGMENTS.

(*) BIOLOGICAL SAMPLES: (ARTHROPODS); HORSESHOE CRABS (150-200), SPIDER CRAB (9), BLUE CRAB (1), (CNIDARIA) (3), SLENDER SEA STAR (4), BRITTLE SEA STAR SP. (2), WORM SP. (9), EEL (3), CORAL, (MOLLUSCA), WHELK SP. (15-20), (FISH), FLAT FISH SP. (1), EELGRASS, MISC. SEAWEED, MISC. SEA SHELLS,

(*) ABIOTIC MATERIAL: BIRD SKULL, RAGS, WOOD, FISHING LINE, WOOD, PLASTICS, GLASS.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
N/A		

Observer(s) on Duty: C. DERINGER / Z. KLYVER

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: SAVANNAH HARBOR

DAILY REPORT

e: 01/24/02 Loads: 65 – 75

a(s) Worked 65-68 @ -20+832/-23+500, 69-75 @ -24+000/-31+000

ather Conditions (incl. sea conditions) SE WIND 10K, SEAS E/SE 1' SWELL, HAZY, 60°F

ge of Water Temp., Surface 56° to 57° F Below Mid-Depth ——

dition and Effectiveness of Screening EXCELLENT

* WHALE WHATCHING = SUNRISE TO SUNSET (FOG BURNED OFF @ 0430).

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

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

* DREDGE MATERIAL = MUDDY SAND. LOAD * 70; PORT FWD. BOX 3/4. PACKED W/ MUD.

* BIOLOGICAL SAMPLES: (ARTHROPODS); HORSESHOE CRABS (50-80), MANTIS SHRIMP (15), BLUE CRAB (5), SPIDER CRAB (4), (MOLLUSCA): WHELK SP. (38), SAW-TOOTHED PEN (5), COCKLE (3), MISC SHELLS, (ASCIDIACEA): SEA PORK (9), SLENDER SEA STAR (4), WORM SP. (4), SPONGE SP. (1), POLYCHAETE SP. (2), CORAL, EEL (3), EELGRASS & MISC. PLANT MATTER, (FISH): CROAKER (3), FLOUNDER (2), (CNIDARIA): CANNONBALL JELLYFISH (2), PURPLE SEA URCHIN (2),

* ABIOTIC MATERIAL = WOOD, PLASTIC, FISHING NET, CLAY BALLS, METAL, ROCKS, ROPE,

Bridge Watch Summary

cies	# of Animals	Time/ Location/ Comments
T truncatus	2	1220: MOVING SE OF BUOY # 12

erver(s) on Duty: C. DERINGER / Z. KLYVER

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAY PORT

Project: SAVANNAH HARBOR

DAILY REPORT

Date: 01/25/02 Loads: 76 - 86

Area(s) Worked 76 - 81 @ -24+000 G / -31+000, 82 - 86 @ -28+500 / 31+000 R

Weather Conditions (incl. sea conditions) SE (10K) WINDS CLOCKING TO NE (30K); SEAS 4-6' NE, HAZY IN AM

Range of Water Temp., Surface 54° - 57° F Below Mid-Depth ——

Condition and Effectiveness of Screening EXCELLENT

(*) WHALE WHATCHING = SUNRISE TO SUNSET

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

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

(*) DREDGE MATERIAL = MUD, SAND, CORAL SHELL. MAJORITY OF LOADS CONTAINED LARGE AMOUNTS OF DEBRIS (ABIOTIC); WOOD, PLASTICS, MISC. SHELLS, PLANT MATTER

(*) BIOLOGICAL SAMPLES = (ARTHROPODS), HORSESHOE CRABS (250-300), SPIDER CRAB (7), BLUE CRAB (10), MANTIS SHRIMP (4), SPECKLED CRAB (1), (ACIDIACEA), SEA PORK (5), SPONGE SP. (6), BURROWING ANEMONE (3), EEL (7), (FISH); DOGSHARK (3), FLOUNDER (1), SKATE (2), UNK. FISH SP. (7), (ECHINOIDEA); PURPLE SEA URCHIN (4), (STELLEROIDEA); SLENDER SEA STAR (8), ASTERID SEA STAR (1), PURPLE SEA STAR (1), SAND DOLLAR SP. (150-200), (MOLLUSCA); WHELK SP.; (18), WHELK EGG CASE (9), COCKLE SP. (1), PEN SHELL SP. (3), OLIVE SP. (1), MISC. SHELLS, CORAL, WORM SP. (5), SHARK EYE SHELL (5)

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
T truncatus	≈ 21	1026 - 1550; IN CHANNEL; FOLLOWING SHRIMP BOAT, NEAR BUOYS R12, G11, & G9.

Observer(s) on Duty: C. DERINGER / E. KLYVER

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: ~~SAVANNAH~~ HARBOR

DAILY REPORT

e: 01 / 26 / 02 Loads: 87 – 96

a(s) Worked 87-94 @ -28+500/-31+000 R; 95 @ -24+000/-31+000 G; 96 @ -28+500/31+000 R

ather Conditions (incl. sea conditions) NE 20K MODERATING TO FLAT CALM ☺, 65°F, OVERCAST, RAIN

ge of Water Temp., Surface 55°F (@ GRAY'S REEF = 56°) Below Mid-Depth ——

dition and Effectiveness of Screening EXCELLENT

(*) WHALE WHATCHING: FROM SUNRISE TO SUNSET

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

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

(*) DREDGE MATERIAL: SAND, CORAL: MUD

(*) BIOLOGICAL SAMPLES: (ARTHROPODS): HORSESHOE CRABS (200-250), SPIDER CRAB (22) → MAJORITY ♀ W/ EGGS, (CNIDARIA): CANNONBALL JELLYFISH (9), (ECHINOIDEA): SEA URCHIN (4), (STELLEROIDEA): SLENDER SEA STAR (26), SAND DOLLAR SP. (120-180), EEL (4), (FISH): DOGSHARK (3), CROAKER (1), FLOUNDER (1), SKATE (1), (ACIDIACEA), (MOLLUSCA): WHELK SP. (17), WHELK EGG CASE (4), OLIVE SP. (3) CORAL, MISC. PLANT MATTER, MISC SEA SHELLS.

Bridge Watch Summary

ies	# of Animals	Time/ Location/ Comments
T truncatus	5	1100-1150; IN CHANNEL & NEAR BUOY R12

erver(s) on Duty: C. DERINGER / Z. KLYVER

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: ~~SAVANNAH~~ HARBOR

DAILY REPORT

e: 01/27/02 Loads: 97 - 107

a(s) Worked 97@ -28+500 / -31+000 R ; 98-107@ -31+000 / -40+000 R

ather Conditions (incl. sea conditions) OVERCAST/HAZY, CALM SEAS, E SWELL 1-3', 65°F

ge of Water Temp., Surface 56°- 57° F Below Mid-Depth —

dition and Effectiveness of Screening EXCELLENT

(*) WHALEWHATCHING = FROM SUNRISE TO SUNSET

there incidents involving endangered or protected species? **Yes** **No**

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

(*) DREDGE MATERIAL - MUD, SAND, CORAL.

(*) BIOLOGICAL SAMPLES: (ARTHROPODS), HORSESHOE CRAB (250-300), SPIDER CRAB (18), BLUE CRAB (5), MANTIS SHRIMP (1), FLAT-BROWED MUD SHRIMP (1), MOLE CRAB (2), UNK. CRAB SP. (1), PURSE CRAB (1), (ASCIDIACEA), SEA PORK (6), (FISH, etc.), DOG SHARK (5), FLOUNDER (1), CROAKER (1), UNK. FISH SP. (1), EEL (8); (STELLEROIDEA), SLENDER SEA STAR (150-200), BRITTLE SEA STAR SP. (4), (CNIDARIA) CANNONBALL JELLYFISH (1), (MOLLUSCA), WHELK SP. (27), OLIVE SP. (1), SHARK EYE (2), COCKLE SP. (1), SAND DOLLAR SP. (140), WORM SP (5), BURROWING ANEMONE SP. (1), MISC. SHELLS & PLANT MATTER.

(*) ABIOTIC MATERIALS: WHALE BONE, OLD TURTLE PIECES, PLASTICS, WOOD, METAL, FISHING LINE

Bridge Watch Summary

cies	# of Animals	Time/ Location/ Comments
T. truncatus	13	1230-1350 IN CHANNEL & NEAR BUOYS G7, R8 & R10.
S. melaegris	60-70	at disposal area. (CANNONBALL JELLY)

erver(s) on Duty: C. DERINGER / Z. KLYVER

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: SAVANNAH HARBOR --

WEEKLY SUMMARY

Date: 01 / 21 / 02 - 01 / 27 / 02 Load Numbers 36 - 107

Range of Water Temp., Surface 54°F - 58°F Below Mid-Depth ———

Areas Worked (lat/longs, stations) -11+500 / -40+000

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

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

* INFLOW AND OUTFLOW SCREENING IN USE FOR SEA TURTLES. WHALE WATCH KEPT DURING ALL DAYLIGHT HOURS.

* MATERIAL MUD, SAND, AND SHELL. 0/21 → 01/25 LOTS OF ABIOTIC DEBRIS AND HUMAN GARBAGE. (SEE DAILY REPORTS FOR DETAIL)

* 01/21 + 01/23 WHALE WATCH CUT SHORT DUE TO FOG.

* BIOLOGICAL SAMPLES INCLUDE; ARTHROPODA; HORSE SHOE CRAB (1650 - 2000), SPIDER CRAB (73), STONE (2), BLUE (25), SPECKLED (1), FLAT B. MUD(1), MOLE (2) PURSE (1), MANTIS SHRIMP (20), ECHINODERMATA; SLENDER SEA STAR (394) KEY HOLE URCHIN (910 - 520), PURPLE SEA URCHIN (10), ASTEROID SEA STAR (FORBES') (1), BURROWING BRITTLE STAR (6), CNIDARIA; CANNONBALL JELLY (15), BURROWING ANEMONE (4) ASCIDIANS; SEA PORK (30), GASTROPODA; KNOBBED AND CHANNEL WHELK (165), LETTERED OLIVE (5), SHARK EYE (7), WHELK EGG CASES (13), BIVALVIA; COCKLE (5), SAW TOOTHED PEN (6), WORM SPP? (90), PORIFERA (7)

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
01 / 21	T. truncatus (9),	
01 / 22	T. truncatus (7)	
01 / 29	T. truncatus (2),	
01 / 25	T. truncatus (21)	
01 / 26	T. truncatus (5),	
01 / 27	T. truncatus (13), S. meleagris (60-70)	→ Cannonball Jellyfish at disposal site in water around ship
/		

BIOLOGICAL SAMPLES CONT.: FISH; DOG SHARK (11), FLOUNDER (5), CROACKER (5), EEL (26), UNID. (6), SKATE (4).

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAY PORT

Project: SAVANNAH HARBOR

DAILY REPORT

Date: 01 / 28 / 02 Loads: 108 – 119

Area(s) Worked ALL LOADS @ -31+000 / -40+000

Weather Conditions (incl. sea conditions) WIND S 5-10K, 1-2' SEAS, 65°, CLEAR & SUNNY

Range of Water Temp., Surface 56°F Below Mid-Depth ———

Condition and Effectiveness of Screening EXCELLENT

WHALEWHATCHING: FROM SUNRISE TO SUNSET

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

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

* DREDGE MATERIAL = STINKY MUD & SAND. USED PORT/STBD FWD. BOXES FOR MAJORITY OF TIME.

* BIOLOGICAL SAMPLES: (ARTHROPODS); HORSESHOE CRABS (400-450), SPIDER CRAB (15), MOLE CRAB (3), HERMIT CRAB sp. (4), PURSE CRAB (1), MANTIS SHRIMP (1), (CNIDARIA) JELLYFISH sp. (11), (FISH): FLOUNDER (1), UNK. FISH SP. (1), EEL (19), SKATE sp. (5), DOGSHARK (1), (ASCIDACEA): SEA PORK (13), (MOLLUSCA): WHELK sp. (13), SHARK EYE (8), COCKLE sp. (16), OLIVE sp. (1), PEN SHELL sp. (1), WORM sp. (7), SEA CUCUMBER sp. (1), KEYHOLE URCHIN (360), (STELLAROIDEA): SLENDER SEA STAR (350-400), SEAWEED sp.,

* ABIOTIC MATERIAL; NOT AS MUCH IN SAND/SHELL MATERIAL. WOOD, PLASTICS, METAL

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
T truncatus	10	FOLLOWING M/V BAYPORT
	15-30	EVERYWHERE

Observer(s) on Duty: C. DERINGER / Z. KLYVER

Dredge: BAYPORT

Project: SAVANNAH HARBOR

DAILY REPORT

Date: 01/29/02 Loads: 120 - 131

Area(s) Worked -31+000 / -40+000

Weather Conditions (incl. sea conditions) CALM, 60°F, FOG AM, CLEARING PM

Range of Water Temp., Surface 56°F Below Mid-Depth ———

Condition and Effectiveness of Screening EXCELLENT!

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

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

* MATERIAL IS MUD AND SAND WITH LITTLE TO NO GARBAGE OR ABIOTIC DEBRIS.

* FOG BROKE FROM 1330 - 1830 FOR WHALE WATCH.

* BIOLOGICAL SPECIES TAKEN ARTHROPODA; HORSE SHOE CRAB (592), SPIDER CRAB (9), BLUE CRAB (3), MOLE CRAB (2), HERMIT CRAB (5), MANTIS SHRIMP (1), PINK SHRIMP (1), PURSE CRAB (2), ECHINODERMATA; KEY HOLE URCHIN (272), SLENDER SEA STAR (245), BURROWING BRITTLE STAR (4); CNIDARIA; CANNONBALL JELLYFISH (21), ASCIDIAN; SEA PORK (10), MOLLUSCA; GIANT ATLANTIC COCKLE (15); GASTROPODA; BANDED TULIP (1), SHARK EYE (15), AUGER (10), KNOBBED AND CHANNEL WHELK (43), LETTERED OLIVE (1) FISH; EEL (17), WORM SPP? (17).

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
T. truncatus	15-20	In Channel and bowriding outbound ships
S. meleagris	40-50	Cannonball Jellyfish around ship in water

Observer(s) on Duty: C. DERINGER / Z. KLYVER

Dredge: BAYPORT

Project: SAVANNAH HARBOR

DAILY REPORT

Date: 01 / 30 / 02 Loads: 132 - 143

Area(s) Worked ALL LOADS: -31 +000 / -40 +000

Weather Conditions (incl. sea conditions) DENSE FOG, FLAT CALM SEAS & WIND 60-70°F

Range of Water Temp., Surface 57°F Below Mid-Depth ——

Condition and Effectiveness of Screening EXCELLENT

(*) NO WHALE WATCHING DUE TO FOG

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

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

(*) DREDGE MATERIAL = MUD, SAND, SHELL. NOT IN USE (NIU) WERE AFT PORT & STBD BOXES, AND FWD SKIMMER.

(*) BIOLOGICAL SAMPLES: (MOLLUSCA), CHANNELED WHELK & MISC. WHELK SP. (54), SHARK EYE (23), GIANT ATLANTIC COCKLE (21), SAW-TOOTHED PEN SHELL (1), (ARTHROPODS), HORSESHOE CRABS (350-400), PURSE CRAB (1), BLUE CRAB (2), SPIDER CRAB (3), LONG-CLAWED HERMIT CRAB (2), (ECHINODERMATA), SLENDER SEA STAR (150-200), KEYHOLE URCHIN (50), SHORT-SPINED BRITTLE STAR (1), ATLANTIC PURPLE SEA URCHIN (81), UNKNOWN SEGMENTED WORM (11), (FISH, etc.) SKATE SP. (3), EEL (10), BLACK BASS (1), (TUNICATE), SEA PORK (16), (CNIDARIA), CANNONBALL JELLYFISH (2), CORAL & MISC. PLANT MATTER.

(*) @ 1815 NOTE BETWEEN 40-50 CANNONBALL JELLYFISH IN H_2O

(*) ABIOTIC MATERIAL = WOOD, PLASTIC.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
FEW OBSERVED DUE TO FOG		
T truncatus	2	1610 OFF BOW

Observer(s) on Duty: C. DERINGER / Z. KLYVER

Dredge: BAYPORT

Project: SAVANNAH HARBOR

DAILY REPORT

Date: 01 / 31 / 02 Loads: 144 - 154

Area(s) Worked ALL LOADS @ -31+000/-40+000

Weather Conditions (incl. sea conditions) FOG; FWD HALF OF SHIP NOT VISIBLE, NO WIND, FLAT SEAS,

Range of Water Temp., Surface 59° - 60°F Below Mid-Depth ——— 60°F

Condition and Effectiveness of Screening EXCELLENT

(*) NO WHALE WATCHING DUE TO FOG

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

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

(*) DREDGE MATERIAL: SAND, MUD, SHELL. NOT IN USE (NIU) WERE AFT PORT & STBD BOXES, AND FWD SKIMMER.

(*) BIOLOGICAL SAMPLES: (MOLLUSCA): CHANNEL WHELK (53), SHARK EYE (8), GIANT ATLANTIC COCKLE (10), SAW-TOOTHED PEN SHELL (4), KNOBBED WHELK (9), (ARTHROPOD): HORSESHOE CRAB (450-500), COMMON SPIDER CRAB (12), PURSE CRAB (3), COMMON MANTIS SHRIMP (1), FLAT-CLAWED HERMIT CRAB (2), ARROW CRAB (1), ROCK CRAB (1), BLACK-FINGERED MUD CRAB (1), UNK. CRAB (2), (ECHINODERMATA), PURPLE SEA URCHIN (5), FORBES' COMMON SEA STAR (1), KEYHOLE URCHIN (250-300), SLENDER SEA STAR (450-500), (TUNICATES): SEA PORK (12), UNK. SEGMENTED WORM SP. (31), (FISH, ETC.): DOGSHARK (3), EEL (16), SKATE (5), CORAL, MISC. PLANT MATTER.

(*) ABIOTIC MATERIAL: WOOD, PLASTICS, ROCKS

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
NONE OBSERVED DUE TO FOG		

Observer(s) on Duty: C. DERINGER / Z. KLYVER

Dredge: BAYPORT

Project: SAVANNAH HARBOR

DAILY REPORT

Date: 02 / 01 / 02 Loads: 155 - 165

Area(s) Worked ALL LOADS @ -31+000 / -40+000

Weather Conditions (incl. sea conditions) FOG; NO WIND; 60-73°F / @1430 SW WIND 15K CALM SEAS 2-3' S SWELL PARTLY CLOUDY

Range of Water Temp., Surface 58°F Below Mid-Depth —

Condition and Effectiveness of Screening EXCELLENT

(*) WHALEWATCHING BEGINS @ 1430 (WHEN FOG LIFTED) UNTIL SUNSET

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

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

(*) DREDGE MATERIAL MUD & SAND. NOT IN USE (NIU) ARE AFT. PORT & STBD BOXES & FWD. SKIMMER.

(*) BIOLOGICAL SAMPLES: (MOLLUSCS); CHANNELED WHELK (24), SHARKEYE (9), GIANT ATLANTIC COCKLE (24), SAW-TOOTHED PEN SHELL (6), FALSE ANGEL WING (1), LETTERED OLIVE (3), COMMON AMER. AUGER (1), LIGHTNING WHELK (2), KNOBBED WHELK (5), PONDEROUS ARK (2), (ARTHROPODS). HORSESHOE CRABS (550-600), COMMON SPIDER CRAB (11), ATLANTIC MOLE CRAB (1), BLUE CRAB (3), FLAT-CLAWED HERMIT CRAB (3), DOLLY VARDEN CRAB (1); (FISH, etc.) FLOUNDER (1), BLACK SEA BASS (1), SKATE (4), EEL (18); (TUNICATES, etc.) SEA PORK (15), (ECHINODERMS): KEYHOLE URCHIN (300+), SLENDER SEA STAR (100+), ATLANTIC PURPLE SEA URCHIN (48), (CNIDARIA), CANNONBALL JELLY FISH (3); (WORMS); UNK SEGMENTED (ROUND WORMS (39/4))

(*) ABIOTIC DEBRIS = WOOD, ROCKS, PLASTIC, FABRIC → CORAS & MISC. PLANT MATTER

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
NORTHERN PARULA	1	1630; PERCHED ON RAILING JUST OUTSIDE BRIDGE — DISORIENTED IN FOG

Observer(s) on Duty: C. DERINGER & Z. KLYVER

Dredge: BAYPORT

Project: SAVANNAH HARBOR

DAILY REPORT

Date: 02 / 02 / 02 Loads: 166 - 176

Area(s) Worked ALL LOADS = -31+000 / -40 +000

Weather Conditions (incl. sea conditions) N/NE WIND 12-15 INCREASING TO 20+K, SEAS N/NE 1' BUILDING TO 4-6', BUMPY / B=1025 TEMP=60-68°F

Range of Water Temp., Surface 58°F Below Mid-Depth

Condition and Effectiveness of Screening EXCELLENT

(*) WHALEWATCHING FROM SUNRISE TO SUNSET

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

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

(*) DREDGE MATERIAL = SAND & MUD. NOT IN USE (NIU): PORT & STBD AFT BOXES, & AFT PORT SKIMMER.

(*) LOAD #175, APPROX TIME 2012, LOGGERHEAD (Caretta caretta) WAS FOUND DEAD IN THE FWD STARBOARD SCREENING BOX. (SEE 02-02-2002 ATTACHMENT AND INCIDENT REPORT FOR MORE DETAIL).

(*) BIOLOGICAL SAMPLES; ARTHROPODS; HORSE S. CRAB (375), SPIDER CRAB (14), BLCK. F. MUD CRAB (2), DOLLY V. CRAB (1), PURSE CRAB (1), LONG C. HERMIT CRAB (1) MANTIS SHRIMP (1), P. SHRIMP (1); FISH; DOG SHARK (2), SKATE (7), EEL (5), ECHINODERMATA S. SEA STAR (50), KEYHOLE URCHIN 103, F. SEA STAR (1), A.F. SEA URCHIN (1), CNIDARIA, CANNON BALL JELLYFISH (10), TUNICATES; SEA PORK (30), WORMS; UNIDENT. (10),

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
T truncatus	1	1552 CHANNEL
CANNONBALL JELLYFISH = HUNDREDS! @ 1030; IN WAKE OF SHIP EN ROUTE TO DUMP		

Observer(s) on Duty: C. DERINGER / Z. KLYVER

CONT. BIOLOGICAL LIST: MOLLUSCA; KNOBBED WHELK (8), LIGHTNING WHELK (2), CHANNEL WHELK (20), SHARK E. (2), G.A. COCKLE (9), ATLANTIC OCTOPUS (1), QUAHOG, PEN, OLIVE.

Dredge: BAYPORT

Project: SAVANNAH HARBOR

DAILY REPORT

Date: 02 / 03 / 02 Loads: 177 – 188

Area(s) Worked ALL LOADS @ -31+000 / -40+000

Weather Conditions (incl. sea conditions) NE WIND & SWELL DIMINISHING TO 5-10K & 1-3' SWELL 63°F

Range of Water Temp., Surface 58°F Below Mid-Depth ———

Condition and Effectiveness of Screening EXCELLENT

(*) WHALEWATCHING FROM SUNRISE TO SUNSET

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

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

(*) DREDGE MATERIAL = SAND & MUD

(*) BIOLOGICAL SAMPLES = (ARTHROPODS), HORSESHOE CRAB (200), SPIDER CRAB (14) SPECKLED CRAB (3), FLAT-CLAWED HERMIT CRAB (4), (MOLLUSC), CHANNELED WHELK (5), SHARK EYE (1), LETTERED OLIVE (1), COM. AMER. AUGER (1) KNOBBED WHELK (9), SAW-TOOTHED PEN SHELL (2), STIFF PEN SHELL (1), GIANT ATLANTIC COCKLE (7), (FISH, etc.) FLOUNDER (2), EEL (6), DOGSHARK (1), SKATE (5), (ECHINODERM), KEYHOLE URCHIN (150-200), SLENDER SEA STAR (31), FORBES' COMMON SEASTAR (1), ATLANTIC PURPLE URCHIN (2), SHORT-SPINED BRITTLE STAR (1), (WORM SP.), UNK. ROUNDWORM (2), UNK SEGMENTED WORMS (2), (CNIDARIA), CANNONBALL JELLYFISH (2), (TUNICATES), SEA PORK (52), CORAL, SEAWEED SP.

ABIOTIC MAT. = WOOD, PLASTIC, FISHING NET/LINE

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
T truncatus	3	1545 CHANNEL

Observer(s) on Duty: C. DERINGER & Z-KLYVER

Dredge: BAYPORT

Project: SAVANNAH HARBOR

DAILY REPORT

Date: 02/04/02 Loads: 189-193

Area(s) Worked ALL LOADS @ -31+000/-40+000

Weather Conditions (incl. sea conditions) LIGHT NW WINDS BUILDING TO 25-30K; SEAS 4-6'; CLEAR, 40's °F

Range of Water Temp., Surface 58°F Below Mid-Depth ——

Condition and Effectiveness of Screening EXCELLENT. NOT IN USE (NIU). AFT PORT & STBD BOXES & FWD SKIMMER. AFTER LOAD #191; HEADED IN FOR FUEL. TIED TO DOCK FROM 0830-1720.

(*) WHALE WATCHING FROM 1720 UNTIL SUNSET.

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

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

(*) DREDGE MATERIAL: SAND & MUD.

(*) BIOLOGICAL SAMPLES = (ARTHROPODS): HORSESHOE CRABS (50-80), BLUE CRAB (3), FLAT-CLAWED HERMIT CRAB (1), LONG-CLAWED HERMIT CRAB (1), Common SPIDER CRAB (5); (MOLLUSCS): GIANT ATLANTIC COCKLE (3), LETTERED OLIVE (1), SAW-TOOTHED PEN SHELL (1), STIFF PEN SHELL (1), PONDEROUS ARK (1); (ECHINODERM): KEY HOLE URCHIN (40-50), SLENDER SEA STAR (20-30), (WORM sp.): UNK. SEGMENTED WORM (1), (FISH etc.): EEL (2), SKATE (1); (CNIDARIA): CANNONBALL JELLY FISH (1), (TUNICATE): SEA PORK (24), (MISC): SEAWEED, SPONGE

(*) ABIOTIC MATERIAL = WOOD, CLAY BALLS, PLASTICS, FISHING LINE

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) on Duty: C. DERINGER & Z. KLYVER

Dredge: BAYPORT

Project: SAVANNAH HARBOR

WEEKLY SUMMARY

Date: 01/28/02 - 02/03/02 Load Numbers 108-188

Range of Water Temp., Surface 56°-60°F Below Mid-Depth —

Areas Worked (lat/longs, stations) -30+000 / -40+000

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

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

(*) INFLOW & OUTFLOW SCREENING IN USE FOR SEA TURTLES. WHALEWATCH KEPT DURING ALL DAYLIGHT HOURS. ON 2-4-02, BAYPORT TOOK ON FUEL IN SAVANNAH FROM 0830-1720. HAD 2 DAYS OF FOG (1/30 & 1/31).

(*) MATERIAL: MUD, SAND, SHELL. ABIOTIC MATERIAL; PLASTICS, SCRAP METAL, FABRIC, WOOD, ROCKS, FISHING NETS/LINE

(*) BIOLOGICAL SAMPLES: (ARTHROPODS); HORSESHOE CRAB (3,017), COM. SPIDER CRAB (78), BLUE CRAB (8), DOLLY VARDEN CRAB (2), PURSE CRAB (8), BLK. FINGERED MUD CRAB (3), ROCK CRAB (1), ARROW CRAB (1), SPECKLED CRAB (3), ATLANTIC MOLE CRAB (5), FLAT/LONG-CLAWED HERMIT CRAB (13/8), COMM. MANTIS SHRIMP (4), PINK SHRIMP (2), UNK. CRAB SP. (2), (MOLLUSCS); UNK. WHELK (120), CHANNELED/KNOBBED WHELK (102/31), SHARK EYE (67), GIANT ATLANTIC COCKLE (102), LETTERED OLIVE (7), SAW-TOOTHED/STIFF PEN SHELL (8/7), BANDED TULIP (1), COMM. AMER. AUGER (22), PONDEROUS ARK (2), LIGHTNING WHELK (3), FALSE ANGEL WING (1), N. QUAHOG (1), (FISH, etc.); FLOUNDER (4), EEL (91), UNK. FISH (1), SKATE (25), DOGSHARK (7), BLK. BASS (2), COMM. ATLANTIC OCTOPUS (1), (WORM sp.); UNK WORM sp. (24), UNK. ROUNDWORM sp. (6), UNK. SEGMENTED WORM sp. (83), (ECHINODERMS); SEA CUCUMBER sp. (1), KEYHOLE URCHIN (1,585), SLENDER SEA STAR (1,526), BURROWING BRITTLE STAR (4), SHORT-SPINED BRITTLE STAR (2), ATLANTIC PURPLE URCHIN (137), FORBES' COMM. SEA STAR (3), (CNIDARIA); CANNONBALL JELLY FISH (39), (TUNICATE); SEA PORK (148), (MISC.); SEAWEED, CORAL, SPONGES, MISC. PLANT MATTER.

(*) 2-2-02 @ 2012, LOAD# 175; Caretta caretta TAKEN IN FWD. STBD. BOX. INCIDENT REPORT FILLED OUT. PROPER PERSONNEL WERE NOTIFIED IMMEDIATELY.

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
01/28	(10) Tt FOLLOWING BAYPORT IN CHANNEL	
" / "	(15-30) Tt EVERYWHERE	
01/29	(15-20) Tt IN CHANNEL & RIDING OUTBOUND SHIPS	≥40-50 CANNONBALL JELLY FISH AROUND SHIP.
01/31	(2) Tt @ 1610 OFF BAYPORT'S BOW	
02/01	(1) NORTHERN PARULA @ 1630; PERCHED ON BRIDGE RAILING; DISORIENTED	
02/02	(1) Tt @ 1552 AND HUNDREDS OF CANNONBALL JELLY FISH @ 1030 AROUND SHIP	AS WE WERE EN ROUTE TO DUMP.
02/03	(3) Tt @ 1545 IN CHANNEL	

Observer(s) on Duty: C. DERINGER & Z. KLYVER

(*) ABIOTIC MATERIAL = PLASTIC, WOOD, ROCK, SCRAP METAL, GEN. GARBAGE.

Dredge: BAYPORT

Project: SAVANNAH HARBOR

DAILY REPORT

Date: 02 / 05 / 02 Loads: 195 - 205

Area(s) Worked STATIONS -31+000 / -90+000

Weather Conditions (incl. sea conditions) AM VERY ROUGH, NW 25-30 KTS., PM - CALM, 40's

Range of Water Temp., Surface 55°F Below Mid-Depth ———

Condition and Effectiveness of Screening IN GOOD WORKING CONDITION

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

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

* WHALE WATCH SUNRISE TO SUNSET.

* MATERIAL BEING DREDGED A MUDDY SAND. LITTLE TO NO ABIOTIC DEBRIS.

* BIOLOGICAL SAMPLES: (ARTHROPODS), COMMON SPIDER CRAB (12), HORSESHOE CRAB (150-200), BLUE CRAB (1), PUCSE CRAB (1), BLACK-FINGERED MUD CRAB (1), COMMON MANTIS SHRIMP (1); (MOLLUSCA), KNOBBED WHELK (15), PONDEROUS ARK (6), SHARK EYE (2), GIANT ATLANTIC COCKLE (21), CHANNELED WHELK (15), STIFF PEN SHELL (2), NORTHERN QUAHOG (3), SAW-TOOTHED PEN SHELL (1), (TUNICATE), SEA PORK (28), (CNIDARIA), CANNONBALL JELLY FISH (3), (ECHINODERM), SLENDER SEA STAR (300-350), KEYHOLE URCHIN (200-250), PURPLE SEA URCHIN (2), (FISH etc.) SKATE (4), BLACK BASS (1), EEL (2), STRIPED BURRFISH (1), (WORMS) UNK. SEGMENTED WORM (1), UNK. FLATWORM (1), SEAWEED.

* ABIOTIC MATERIAL = THE USUAL! WOOD, PLASTIC, CLAY BALLS, METAL, FISHING NET/LINE.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Truncatus	1	@0800; SE of Buoy R10.

Observer(s) on Duty: Z. KLYVER / C. DERINGER

Dredge: BAYPORT

Project: SAVANNAH HARBOR

DAILY REPORT

Date: 02/06/02 Loads: 206-217

Area(s) Worked -30+000 / -40+000 (ALL LOADS)

Weather Conditions (incl. sea conditions) WIND & SEAS ENE 18-25 K, 3-6', B=1029, 54°-59°F, OVERCAST

Range of Water Temp., Surface 55°F Below Mid-Depth ———

Condition and Effectiveness of Screening EXCELENT TO MARGINAL. ON 2/5, BOB RICHARDS TOLD DRAGTENDERS TO STOP FLUSHING BOXES AT THE END OF EA. LOAD; ON MUDDY LOADS - BOXES ARE 1/2 TO 3/4 - PACKED WITH MUD & DIFFICULT OR IMPOSSIBLE TO CHECK EFFICIENTLY.

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

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

WHALE WATCHING FROM SUNRISE TO SUNSET. (*) DREDGE MATERIAL MUD/SAND. SCREENING EXCELLENT TO MARGINAL (BOXES NOT BIENG FLUSHED). A FEW TIMES THEY WERE TOO PACKED W/ MUD TO SCREEN.

(*) BIOLOGICAL SAMPLES = (ARTHROPOD), HORSESHOE CRAB (217), SPIDER CRAB (6), BLUE CRAB (3), (MOLLUSC), CHANNELED WHELK (12), FLAT-CLAWED HERMIT CRAB (3), SAW-TOOTHED PEN SHELL (1), GIANT ATLANTIC COCKLE (6), PONDEROUS ARK (3), KNOBBED WHELK (14), (ECHINODERM): SLENDER SEA STAR (200), KEYHOLE URCHIN (76), ATLANTIC PURPLE URCHIN (2), FORBES' COMMON SEA STAR (1), (FISH, etc.), SKATE (2), EEL (2), DOG SHARK (1), (WORMS), UNK. SEGMENTED WORMS (2), UNK. FLAT WORMS (11), (TUNICATE), SEA PORK (29), (CNIDARIA), CANNONBALL JELLYFISH (1); CORAL, SEAWEED, SPONGE sp., MISC. PLANT MATTER, (*) SEE BELOW!

(*) ABIOTIC MATERIAL = 1-RUBBER BOOT - LEFT, SIZE 10, ROCK, WOOD, PLASTIC, FISHING NET/WIRE MESH, SCRAP METAL.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) on Duty: C. DERINGER & Z-KLYVER

(*) @ 1530; LOAD #213; FRAGMENTS OF Caretta caretta PICKED-UP. SEE OBSERVATION REPORT (ATTACHED) FOR DETAILS.

Dredge: BAYPORT

Project: SAVANNAH HARBOR

DAILY REPORT

Date: 02 / 07 / 02 Loads: 218 – 229

Area(s) Worked -31+000 / -40+000

Weather Conditions (incl. sea conditions) DRIVING RAIN; WINDS SE 30+K, SEAS 6-8', B=1016, 55°F WIND CHANGING TO W/NW, FOG & HAZY

Range of Water Temp., Surface 56°F Below Mid-Depth —

Condition and Effectiveness of Screening EXCELLENT, PORT FWD. BOX PLUGGED UP PRIOR TO LOAD 229; RELEASED MATERIAL SO DREDGING COULD CONTINUE.

(*) WHALEWATCHING FROM SUNRISE (WHEN FOG BURNED OFF) TO SUNSET.

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

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

(*) DREDGE MATERIAL = MUD, SAND, SHELL.

(*) BIOLOGICAL SAMPLES: (ARTHROPODS), HORSESHOE CRAB (248), COMM. SPIDER CRAB (15), BLUE CRAB (1), FLAT-CLAWED HERMIT CRAB (2), (MOLLUSCS). LETTERED OLIVE (22), KNOBBED WHELK (27), GIANT ATLANTIC COCKLE (16), CHANNELED WHELK (15), PONDEROUS ARK (5), STIFF PEN SHELL (1), (WORMS). UNK. SEGMENTED WORMS (12), UNK. FLAT WORM (1), UNK. ROUNDWORM (1), (FISH, etc.) EEL (5) DOGSHARK (1), SKATE (5), (CNIDARIA). CANNONBALL JELLYFISH (1), (TUNICATES). SEA PORK (28), (ECHINODERMS). SLENDER SEA STARS (125), KEYHOLE URCHIN (86), SEA CUCUMBER sp. (1), (MISC); SEAWEED & MISC. PLANT MATTER, SPONGES, CORAL, MISC. SHELLS.

(*) ABIOTIC MATERIAL: WOOD, ROCK, MUD, SCRAP METAL, PLASTIC, FABRIC, CLAY BALLS.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
GREATER SHEARWATER	1	1615 @ DISPOSAL SITE
CANNONBALL JELLYFISH	40-50	1630, IN WATER (RETURNING FROM THE DUMP)

Observer(s) on Duty: C. DERINGER & Z. KLYVER

Dredge: BAYPORT

Project: SAVANNAH HARBOR

DAILY REPORT

Date: 02 / 08 / 02 Loads: 230-231 → THEN TO BRUNSWICK

Area(s) Worked -31+000/-40+000

Weather Conditions (incl. sea conditions) WINDS & SEAS 15K/3-4'; CLEAR SKIES

Range of Water Temp., Surface ——— Below Mid-Depth ———

Condition and Effectiveness of Screening EXCELLENT;

(*) NO WHALEWATCHING IN SAVANNAH TODAY

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

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

(*) DREDGE MATERIAL - MUD/SAND/SHELL

(*) BIOLOGICAL SAMPLES: (ARTHROPOD), HORSESHOE CRAB (25), COMMON SPIDER CRAB (3), (MOLLUSC); GIANT ATLANTIC COCKLE (14), LETTERED OLIVE (4), KNOBBED WHELK (15), CHANNELED WHELK (11), LIGHTNING WHELK (4), PONDEROUS ARK (11), SAW-TOOTHED/STIFF PEN SHELL (1/1), (FISH, etc) EEL (2), SKATE (2), (TUNICATE), SEA PORK (3), (ECHINODERM); SLENDER SEA STAR (160), KEYHOLE URCHIN (110), (WORMS); NEMERTEAN SP. (8); UNK. WORM (1), UNK. FLATWORM (2), (MISC); CORAL, PLANT MATTER, MISC. SHELL.

(*) ABIOTIC MATERIAL: WOOD, PLASTIC

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) on Duty: C. DERINGER & Z. KLYVER

Dredge: BAYPORT

Project: SAVANNAH HARBOR

WEEKLY SUMMARY

Date: 02/04/02 - 02/08/02 Load Numbers 189 – 231

Range of Water Temp., Surface 55-58° F Below Mid-Depth ———

Areas Worked (lat/longs, stations) -31+000 / -40+000

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

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

(*) NO WHALE SIGHTINGS (*) DREDGE MATERIAL: MUD, SAND, SHELL (*) ON 2/5, FLUSHING OF BOXES CEASED. MOST OFTEN THEY WERE 1/2 to 3/4 PACKED W/ MUD.

(*) Caretta Caretta TAKEN ON 2/6, LOAD # 213 @ ≈1530. — SEE ATTACHED REPORT

(*) BIOLOGICAL SAMPLES = (ARTHROPODS), HORSESHOE CRAB (970), Common SPIDER CRAB (41), SPECKLED CRAB (3), Common MANTIS SHRIMP (1), FLAT-CLAWED HERMIT CRAB (10), BLUE CRAB (8), LONG-CLAWED HERMIT CRAB (1), PURSE CRAB (1), BLACK-FINGERED MUD CRAB (1), (MOLLUSC): KNOBBED WHELK (95), CHANNELED WHELK (69), SHARK EYE (3), LETTERED OLIVE (28), Comm. ATLANTIC AUGER (1), SAW-TOOTHED / STIFF PEN SHELL (6/6), GIANT ATLANTIC COCKLE (39), PONDEROUS ARK (29), NORTHERN QUAHOG (3) LIGHTNING WHELK (4), (FISH, etc.) FLOUNDER (2), EEL (19), DOGSHARK (3), SKATE (19), BLACK BASS (1), STRIPED BURRFISH (1), CORAL, SEAWEED, SPONGE.

(*) ABIOTIC MATERIAL = PLASTIC, WOOD, CLAY BALLS, FABRIC, FISHING NET / LINE, SCRAP METAL, etc.

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
02/03	T. truncatus: (3) @ 1545, IN CHANNEL	
02/05	" : (1) @ 1800; SE OF BUOY R10	
02/07	GREATER SHEARWATER: (1) @ 1615. @ DUMP SITE	
02/07	CANNON BALL JELLY FISH: (40-50) @ 1630. RETURNING	FROM DUMP
___/___		
___/___		
___/___		

Observer(s) on Duty: C. DERINGER / Z. KLYVER