ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO

Brunswick Harbor Entrance Channel

DAILY REPORT

Date: 12 / 1 / 94 Loads: 1-8

Area Worked: STATIONS -200 TO 100

Conditions: PARTLY CLOUDY, NE WIND 17-20 kt, SEAS 2-3' IN DIG AREA
AIR TEMPERATURE = 60° F + (42-56° WITH WIND CHILL)

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

Comments: OBSERVERS ABOARD DREDGE AT 0100. LOADING BEGAN AT 0530. TEDs ARE IN PLACE AND IN GOOD CONDITION. FORWARD DISCHARGE CHUTES NOT EQUIPPED WITH TURTLE SCREENING BOXES AND ARE THEREFORE NOT BEING USED. BOTH SKIMMERS ARE PROPERLY SCREENED AND LATERAL SCREENING RUNS ALONG THE INSIDE EDGE OF THE HOPPER - DOESN'T ALLOW FOR SAMPLING - DISCUSSED IT WITH CAPTAIN AND IT MAY BE ADJUSTED IF/WHEN THE ACCUMULATION OF DEBRIS LESSENS (FEAR OF OVERLOADING IF THE OVERFLOW CHUTE GETS CLOGGED DURING LOADING)

TEDs GETTING SNAGGED UNDER THE VISORS OF THE DRAGHEADS WHEN BRINGING GEAR ON DECK - RELEASED. LIMITED OBSERVATION OF DRAGHEADS BY OBSERVERS DUE TO ROUGH WEATHER.

DIGGING MOSTLY MUD WITH SOME SAND AND CLAY. MODERATE AMOUNT OF DEBRIS ACCUMULATING IN SCREENING. SAMPLES INCLUDE HORSESHOE CRAB, SPIDER CRAB, WHELK, EELS, FLOUNDER, SEA PORK, BLUE CRAB, SEA WHIP, STINGRAY, PARCHMENT WORMS, PLASTIC AND WOOD.

Bridge Watch Summary

Species	No. of animals	Comments
Tursiops truncatus	3-6	BOTTLENOSE DOLPHIN - SIGHTED IN CHANNEL WHILE DIGGING.

Observer(s) On Duty: JENNIFER GATZKE & KIM POWELL

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Brunswick Harbor Entrance Channel

DAILY REPORT

Date: 12 / 2 / 94 Loads: 9-15

Area Worked: STATIONS -200 TO 100, 20- -15

Conditions: PARTLY CLOUDY, NE WIND 10-24 Kt, SEAS 2-3'
AIR TEMPERATURE = 59-74°F

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

Comments: WATER TEMPERATURE = 65°F

MODERATE AMOUNT OF DEBRIS ACCUMULATING IN SCREENING.
SAMPLES INCLUDE HORSESHOE CRAB, WHELK, FLOUNDER,
SEA WHIPS, SEA PORK, SPIDER CRAB, ASSORTED SMALL
FISH AND GARBAGE.

STARBOARD TED - CHAIN LINK REMOVED TO PREVENT
CONSTANT SNAGGING UNDER DRAGHEAD VISOR.
OPENED THE DISCHARGE BOXES WITH THE HELP OF THE
CAPTAIN AND DRAGTENDER AND WITH GREAT DIFFICULTY.
OBSERVERS CLEANING BOXES AFTER EVERY LOAD TO
AVOID THE CONSTANT & DIFFICULT USE OF HYDRAULIC
GATES. CREW HAS BEEN EXTREMELY COOPERATIVE.

Bridge Watch Summary

Species	No. of animals	Comments
Tursiops truncatus	2-3	BOTTLENOSE DOLPHINS BY BUOYS 8+9

Observer(s) On Duty: JENNIFER GATZKE, KIM POWELL

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Brunswick Harbor Entrance Channel

DAILY REPORT

Date: 12 / 3 / 94 Loads: 16 - 22

Area Worked: STATIONS -200 TO 100, 20 - -15

Conditions: PARTLY CLOUD WITH SOME PERCIPITATION, NE WIND 8-16KT, SEAS 1-3'
AIR TEMPERATURE = 62°-69F

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

Comments:

MODERATE AMOUNT OF DEBRI ACCUMULATING IN SCREENING. SAMPLES INCLUDE HORSESHOE CRAB, WHELK, GRUNTS, SEA WHIPS, SEA CUCUMBER, SPONGE, EEL, STONE CRAB, AND GARBAGE.

THE STARBOARD TED HAS BEEN RELATIVELY EFFECTIVE SINCE THE DRAG TENDER ALTERED CHAIN LINK TO PREVENT SNAGGING. PORT TED WILL LIKELY BE ADJUSTED IN SIMILAR FASHION IN THE NEXT 24 HOURS.

BOXES ARE BEING CLEANED MANUALLY BY OBSERVER AFTER VIRTUALLY EVERY LOAD. MID WAY THROUGH TODAY'S SHIFT, THE HYDRAULIC GATES WERE ACTUATED WITH RELATIVE EASE BY CLOSING THE GATE TIGHTLY AND THEN REMOVING THE PIN. THE BOXES AND SKIMMERS ARE PERIODICLY FLUSHED USING HYDRALIC PRESSURE.

Bridge Watch Summary

Species	No. of animals	Comments
TURSIOPS TRUNCATUS	6-7	BOTTLENOSE DOLPHINS IN CHANNEL NEAR BUOY 6 & 8

Observer(s) On Duty: KIM POWELL & JENNIFER GATZKE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Brunswick Harbor Entrance Channel

DAILY REPORT

Date: 12 / 4 / 94 Loads: 23 - 29

Area Worked: STATIONS -200 TO 100, 20 - -15

Conditions: PARTLY CLOUDY TO SEVERE THUNDERSTORM, NE WIND 1-18 KT, SEAS 1-3' IN DIG AREA
AIR TEMPERATURE = 65-73 + (54° - 70° WITH WIND CHILL)

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

Comments: WATER TEMPERATURE = 66°

DEBRI ACCUMULATED IN SCREENING WAS SLIGHTLY LESS IN VOLUME THAN PREVIOUS DAY. ORGANIC MATERIALS INCLUDED: HORSESHOE CRABS, WHELKS, TUNICATES (SEA PORK), GORGONIANS (SEA WHIPS), SPONGE, STARFISH, FLOUNDER, GRUNTS, BRYOZOANS, CLAY DEPOSIT, WOOD DEBRI. HUMAN GENERATED WASTE INCLUDED PLASTICS, NETTING AND METALS.

OBSERVERS ARE ENTERING BOXES AFTER EACH LOAD TO SURVEY CONTENTS AND CLEAR DEBRI WHERE NECESSARY. DOORS TO BOXES ARE THEN OPENED BY REMOVING METAL PINS AND BOXES ARE FLUSHED CLEAR USING HYDRALIC PRESSURE.

Bridge Watch Summary

Species	No. of animals	Comments
TURSIOPS TRUNCATUS	5-6	BOTTLENOSE DOLPHIN IN CHANNEL NEAR 6, 8 & 15

Observer(s) On Duty: KIM POWELL + JENNIFER GATZKE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO

~~Brunswick~~ Harbor Entrance Channel

SAVANNAH

WEEKLY SUMMARY

Dates: 12 / 1 / 94 - 12 / 4 / 94 Loads: 1-29

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

Comments: OBSERVERS ABOARD DREDGE AT 0100 ON 12/1 - LOADING BEGAN AT 0530. FORWARD DISCHARGE CHUTES ARE NOT EQUIPPED WITH TURTLE SCREENING BOXES AND ARE THEREFORE NOT BEING USED. BOTH SKIMMERS ARE PROPERLY SCREENED AND LATERAL SCREENING RUNS ALONG THE INSIDE EDGE OF THE HOPPER - NOT ALLOWING FOR SAMPLING (SEE DAILY 12/1). BOTH TED'S ARE IN PLACE AND ARE REQUIRING ALMOST DAILY CARE IN PREPARING THEM FOR PROPER PERFORMANCE (SEE DAILIES 12/1,2,3).

WATER TEMPERATURE (AS MEASURED AT THE PILOT STATION) = 65-66°F.

DREDGED MATERIAL CONSISTS OF MOSTLY MUD WITH SOME SAND AND CLAY. MINIMAL TO MODERATE AMOUNT OF DEBRIS ACCUMULATING IN SKIMMERS AND DISCHARGE BOXES. SAMPLES INCLUDE HORSESHOE CRABS, WHELKS, ASSORTED CRAB SPECIES, STINGRAYS, EELS, FLOUNDER, ASSORTED SMALL FISH, SEA PORK, SEA WHIP, PARCHMENT WORMS, SEA CUCUMBER, SPONGE, STARFISH, WOOD AND TRASH.

THE TWO DISCHARGE BOXES IN USE ARE WORKING WELL AND WITH ONLY SOME OCCASIONAL DIFFICULTY (SEE DAILY 12/2) THE CREW HAS BEEN INCREDIBLY COOPERATIVE.

Bridge Watch Summary

Species	No. of animals	Comments
Tursiops truncatus	16-22	BOTTLENOSE DOLPHIN SIGHTED IN CHANNEL

Observers On Duty:

JENNIFER GATZKE

KIM POWELL

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Brunswick Harbor Entrance Channel

DAILY REPORT

Date: 12 / 5 / 94 Loads: 30 – 34

Area Worked: STATIONS –200 TO 100

Conditions: CLEAR → PARTLY CLOUDY, NW WIND 5-10 kt, SEAS CALM
AIR TEMP = 65-77°F.

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

Comments: WATER TEMPERATURE = 66°F

DIGGING MUD WITH SOME CLAY AND SAND. MINIMAL DEBRIS ACCUMULATING IN DISCHARGE BOXES AND SKIMMERS. SAMPLES INCLUDE HORSESHOE CRABS, WHELKS, SEA WHIPS, BRYOZOANS, CLAMS, ARCHS, STONE CRABS, STARFISH, SPONGE, WOOD AND TRASH.

STBD TED REPAIRED - SOME CHAINS SHORTENED TO PREVENT IT FROM SNAGGING UNDER DRAGHEAD – DIGGING WITH ONE ARM FOR PART OF LOAD 30. CHAIN NET REPAIRED BY OBSERVER.

RIGHT WHALE SIGHTED BY AERIAL SURVEY TEAM AT 1300 2 MILES SOUTH OF DISPOSAL SITE HEADING NORTH/NORTHEAST. SLOW BELL TO DUMP FOLLOWING SUNSET.

Bridge Watch Summary

Species	No. of animals	Comments
Tursiops truncatus	3	SIGHTED IN CHANNEL
"	5	SIGHTED AT DUMPSITE

Observer(s) On Duty: JENNIFER GATZKE & KIM POWELL

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge PADRE ISLAND /NATCO
Brunswick Harbor Entrance Channel

DAILY REPORT

Date: 12 / 6 / 94 Loads: 35-39

Area Worked: STATION -200 TO 100

Conditions: PARTLY CLOUDY → CLEAR, WESTERLY WIND 5-10 kt, SEAS CALM
AIR TEMPERATURE = 63-79°F

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

Comments: WATER TEMPERATURE = 67°F (PILOT STATION)
SURFACE WATER TEMPERATURE ON SITE = 64°F

MINIMAL DEBRIS ACCUMULATING. SAMPLES INCLUDE HORSESHOE CRABS, WHELKS, SEA PORK, SEA WHIPS, ARCHS, CLAMS, WHELK EGG CASES, BLUE CRABS, WOOD AND TRASH. THE HOPPER CONTAINED CANNONBALL JELLYFISH AND SEA CUCUMBER. MATERIAL DUG CONSISTS OF MUD WITH INCREASING AMOUNTS OF SAND AND CLAY.

WORK DONE ON PORT TED - LEAD WIRE TIGHTENED AND CHAIN SUPPORTING OUTBOARD BAR SHORTENED. STBD TED NEEDS REPAIR - PADEYE ON CENTER SUPPORT CHAIN BROKEN. OBSERVERS REPAIRED CHAIN CURTAIN WITH SHACKLES.

Bridge Watch Summary

Species	No. of animals	Comments
Tursiops truncatus	13	SIGHTED IN AND AROUND CHANNEL

Observer(s) On Duty: JENNIFER GATZKE & KIM POWELL

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge PADRE ISLAND /NATCO
Brunswick Harbor Entrance Channel

DAILY REPORT

Date: 12 / 7 / 94 Loads: 40-43

Area Worked: STATION 200 TO 100 BACK+FILL

Conditions: CLEAR, W WIND 5-20 kt, SEAS CALM, AIR TEMP = 60-75°F

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

Comments: DREDGED MATERIAL CONSISTING OF MOSTLY SAND WITH SOME MUD AND CLAY. VERY LITTLE DEBRIS ACCUMULATING. SAMPLES INCLUDE HORSESHOE CRABS, SEA PORK, WHELKS, WOOD AND TRASH.

REPAIRS MADE TO STBD TED - PADEYE WELDED INTO PLACE TO CONNECT CENTER SUPPORT CHAIN. NEW SHACKLES ADDED AND CHAIN CURTAIN UNTANGLED.

WATER TEMPERATURE (PILOT STATION) = 68°F

Bridge Watch Summary

Species	No. of animals	Comments
Tursiops truncatus	5-15	SIGHTED INSIDE CHANNEL

Observer(s) On Duty: JENNIFER GATZKE & KIM POWELL

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Brunswick Harbor Entrance Channel

DAILY REPORT

Date: 12 / 8 / 94 Loads: 44-47

Area Worked: STATION 150

Conditions: PARTLY CLOUDY, NE WIND 10-25 kt, SEAS CALM → 5-7'

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

Comments: DIGGING MOSTLY SAND WITH SOME MUD. VERY LITTLE DEBRIS ACCUMULATING. SAMPLES INCLUDE HORSESHOE CRABS, WHELKS, OYSTERS, ARCAS, STINGRAYS, WOOD AND TRASH.

CLEAR WEATHER DETERIORATED AS THE DAY PROGRESSED AND THOROUGH EXAMINATION OF THE DRAGHEADS AND TEDS WAS NOT POSSIBLE FOR LOADS 46 + 47.

A SLOW BELL DUMPRUN WAS IN EFFECT DUE TO AN ABORTED WHALE SURVEY (CONCERN OVER INCLEMENT WEATHER)

Bridge Watch Summary

Species	No. of animals	Comments
Tursiops truncatus	9-10	SIGHTED BY JETTY AND IN WORKING AREA

Observer(s) On Duty: JENNIFER GATZKE & KIM POWELL

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge_____/NATCO

Brunswick Harbor Entrance Channel

DAILY REPORT

Date: 12 / 9 / 94 Loads: 48-53

Area Worked: STATION 150; 135-0; 20000-1500 + 1510-13900

Conditions: VARIABLE CONDITIONS (PARTLY CLOUDY TO CLEAR) N, NW, NE WINDS 5-20 KNOTS, SEAS 3'-6'
OUTSIDE TEMPS = 54°-65 AND WITH WINDCHILL = 50°-55°

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

Comments: MATERIAL DUG CONSISTS MOSTLY OF SAND WITH SOME MUD. RELATIVELY LITTLE DEBRI ACCUMULATING. INCLUDED IN THE SAMPLES: HORSESHOE CRABS, WHELKS, SEA WHIPS, BLUE CRABS, ARK BIVALVES, OYSTERS, WOOD, CLAY BALLS, AND TRASH.

THE WHALE SURVEY WAS ABORTED DUE TO INCLEMENT WEATHER WHICH ACTUATED A SLOW BELL (5 KNOTS) RUN TO DUMP.

PORT TED CONTINUES TO BE PARTIALLY SNAGGED ALTHOUGH WAS REPAIRED DURING LAST LOAD (53). STBD. TED HAS BEEN EFFECTIVE THROUGHOUT DAY.

PIN ON PORT BOX SECURING DOOR IS BENT MAKING REMOVAL OFTEN DIFFICULT. DRAGTENDER (BOB ELLINGTON) HAS BEEN EXTREMELY HELPFUL IN REPAIRING ALL PROJECTS RELATED TO THE ENDANGERED SPECIES OBSERVER PROGRAM.

Bridge Watch Summary

Species	No. of animals	Comments
TURSIOPS TRUNCATUS	7-8	SIGHTED THROUGH OUT CHANNEL

Observer(s) On Duty: KIM POWELL & JENNIFER GATZKE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Brunswick Harbor Entrance Channel

DAILY REPORT

Date: 12 / 10 / 94 Loads: 54-57

Area Worked: STATIONS 135

Conditions: CLOUDY SKYS WITH PERCIPITATION, WINDS S SE SHIFTING TO NW, SEAS CALM-2'
OUTSIDE TEMPERATURE = 49-63, WINDCHILL 49°-63° WATER TEMP = 68°

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

Comments: DIGGING MOSTLY SAND WITH SOME MUD. MINIMAL DEBRI ACCUMULATING (SEE *)
SAMPLES INCLUDE HORSESHOE CRABS, SPIDER CRABS, BLUE CRABS, SEA WHIPS, WHELKS
SLIPPER SHELLS, OYSTERS, CLAMS, EELS, HERRINGS, CANNONBALL JELLYFISH, CLAY DEPOSITS
AND GARBAGE. SKIMMERS CONTAIN RELATIVELY FEW SAMPLES.

AERIAL WHALE SURVEY ABORTED DUE TO INCLEMENT WEATHER AND A
SLOW BELL WAS IN EFFECT FROM SUNSET TO SUNRISE.

* THE DUMP ENGINE OF THE STBD. DRAGHEAD WAS NONFUNCTIONAL FROM 1600
TO BEGINNING OF NEXT DAY'S SHIFT. THE PORT DRAGHEAD WAS THE ONLY FUNCTIONAL
DRAGHEAD FROM 1600 ON. CREW WORKED ROUND THE CLOCK TO REPAIR THE STBD.
DRAGHEAD. TOTAL SAMPLE MINIMIZED DUE TO ABOVE SITUATION.

Bridge Watch Summary

Species	No. of animals	Comments
TURSIOPS TRUNCATUS	17-20	SIGHTED IN CHANNEL, OUTSIDE CHANNEL & IN DUMP SITE

Observer(s) On Duty: KIM POWELL & JENNIFER GATZKE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Brunswick Harbor Entrance Channel

DAILY REPORT

Date: 12 / 11 / 94 Loads: 58-63

Area Worked: STATION 135, 30→40

Conditions: CLOUDY + RAINY, NW→NE WIND 20-25 kt, SEAS 3-5'
AIR TEMP = 50-58°F

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

Comments: WATER TEMP = 67°F

DIGGING W/ PORT ARM ONLY FOR SOME LOADS
DIGGING MOSTLY SAND - VERY LITTLE DEBRIS. AFTER GOING TO STA. 30→40, SAMPLES INCLUDED SOME DIFFERENT SPECIES NOT SEEN IN PREVIOUS DIG SITES; SAND DOLLARS, GHOST SHRIMP, MANTIS SHRIMP, CALICO CRAB, MOLE CRAB, ~~HARD ROCK~~, CHANNELED WHELKS. IN ADDITION WERE MORE EELS, STARFISH, BLUE CRABS, STONE CRABS, STINGRAY, SEA WASPS, AND HORSESHOE CRABS.

OBSERVER INJURED THUMB WHILE EXAMINING DISCHARGE BOX.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: JEN GRAEKE + KIM POWELL

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO

~~Brunswick~~ Harbor Entrance Channel

SAVANNAH

WEEKLY SUMMARY

Dates: 12 / 5 / 94 - 12 / 11 / 94 Loads: 30-63

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

Comments: WATER TEMPERATURE (AS MEASURED AT PILOT STATION) = 66-68° F

SAND REPLACED MUD AS THE MAIN MATERIAL DUG. OBSERVING A REDUCED AMOUNT OF DEBRIS ACCUMULATING IN THE SKIMMERS AND DISCHARGE BOXES. SAMPLES INCLUDE HORSESHOE CRABS, WHELKS, EELS, ASSORTED CRABS, BRYOZOANS, CLAMS, STINGRAY, OYSTERS, SEA WHIP, JELLYFISH, SEA CUCUMBER, ARCHS, SMALL FISH, MANTIS & GHOST SHRIMP, SAND DOLLARS, STARFISH AND WOOD.

DIGGING WITH PORT ARM ONLY FOR SOME LOADS (SEE DAILIES 12/10, 12/11). STBD TED REPAIRED 12/5, 12/7. PORT TED REPAIRED 12/6, 12/9. BOTH TEDS IN WORKING CONDITION AND, ALONG WITH PROBLEMS WITH DISCHARGE BOX PINS, ARE REPAIRED PROMPTLY AFTER PROBLEMS ARISE.

RIGHT WHALE SIGHTING BY AERIAL SURVEY ON 12/5 - SLOW BELL IN EFFECT. SLOW BELL ALSO IN EFFECT ON 12/8, 12/9, 12/10 BECAUSE OF ABORTED SURVEYS (INCLEMENT WEATHER)

Bridge Watch Summary

Species	No. of animals	Comments
Tursiops truncatus	3-20/day	BOTTLENOSE DOLPHINS SIGHTED IN WORKING AREA DAILY

Observers On Duty:

JENNIFER GATZKE

KIM POWELL

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Brunswick Harbor Entrance Channel

DAILY REPORT

Date: 12 / 12 / 94 Loads: 64-69

Area Worked: STATIONS 150, 30→40, 13-15 back+fill

Conditions: CLOUDY, NNE WINDS 15-25 kt, SEAS 3-5', 47-54° AIR

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

Comments: WATER TEMPERATURE (PILOT STATION) = 64-65°F

VERY LITTLE DEBRIS ACCUMULATING IN SKIMMERS + DISCHARGE BOXES. SAMPLES INCLUDE HORSESHOE CRABS, STARFISH, SAND DOLLARS, TONGUE FISH, WHELKS, HERMIT CRABS, EELS
MATERIAL DUG IS MOSTLY SAND

PORT DRAGHEAD NOT USED FOR PART OF LOAD 67
LEAD WIRE ON STBD TED BROKE - REPAIRED PROMPTLY.

Bridge Watch Summary

Species	No. of animals	Comments
Tursiops truncatus	11-12	bottlenose dolphins sighted by buoys 8, 9, 10

Observer(s) On Duty: JENNIFER GATEKE + KIM POWELL

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Brunswick Harbor Entrance Channel

DAILY REPORT

Date: 12 / 13 / 94 Loads: 70-76

Area Worked: STATION 30-40

Conditions: CLOUDY SKYS, NNW WINDS VARIABLE 10-20 KNOTS SEAS 3'-5'
AIR TEMPERATURE 47-48; WIND CHILL 28-36 WATER TEMP = 63-64

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

Comments: WATER TEMPERATURE AT PILOT STATION 63°-64°
RELATIVELY LITTLE DEBRI ACCUMULATING IN DISCHARGE BOXES AND SKIMMERS.
SUBSTRATE IS COMPOSED OF PRIMARILY SAND MATERIAL WITH SOME MUD.
SAMPLES INCLUDE: HORSESHOE CRABS, WHELKS, EELS, STARFISH, SAND DOLLARS
SEA PORK, CANNON BALL JELLYFISH, STINGRAYS AND TONGUE FISH.

SLOW BELL WAS ISSUED FROM SUNSET TO SUNRISE DUE TO AN ABORTED
AERIAL SURVEY TO OBSERVE RIGHT WHALES. INCLEMENT WEATHER
DETAINED THE SURVEY.

TEDS IN GOOD WORKING ORDER THROUGHOUT DAY.

Bridge Watch Summary

Species	No. of animals	Comments
TURSIOPS TRUNCATUS	13-18	VERY ACTIVE AROUND DUMPSITE NEAR BUOYS 6&8 AND OUTSIDE CHANNEL

Observer(s) On Duty: KIM POWELL & JENNIFER GATZKE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Brunswick Harbor Entrance Channel

DAILY REPORT

Date: 12 / 14 / 94 Loads: 77-82

Area Worked: STATION 30-40

Conditions: CLOUDY SKYS, WINDS VARIABLE N, NW, NE 13-23 KNOTS, SEAS 3'-5'
OUTSIDE TEMPERATURE 51-56 WITH A WINDCHILL 32°-44°

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

Comments: WATER TEMPERATURE AT THE PILOT STATION = 62.4

DIGGING SUBSTRATE THAT IS MOSTLY SAND WITH SOME MUD.
ACCUMULATION OF MATERIALS IN DISCHARGE BOXES AND SKIMMERS
ARE RELATIVELY LOW. SAMPLES INCLUDE: HORSESHOE CRABS, WHELKS,
SAND DOLLARS, STARFISH, EELS, BURFISH, WORM ROCK, FLOUNDER, AND
GARBAGE.

AERIAL SURVEY OF RIGHT WHALES WAS ABORTED AND A SLOW BELL WAS
ISSUED FOR DREDGE BOATS FROM SUNSET TO SUNRISE.

MINOR REPAIRS MADE TO STBD. TED. SHACKLES ON BOTH SMALL
AND LARGER CONNECTING CHAINS REPLACED.

Bridge Watch Summary

Species	No. of animals	Comments
TURISOPS TRUNCATUS	8-10	SIGHTED NEAR BUOY 6, 8, + 10

Observer(s) On Duty: KIM POWELL + JENNIFER GATZKE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE /NATCO
Brunswick Harbor Entrance Channel

DAILY REPORT

Date: 12 / 15 / 94 Loads: 83-89

Area Worked: STATION 30-40

Conditions: CLOUDY, NE WIND 10-17 kt, SEAS 3-4', AIR TEMP = 48-54°F

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

Comments: WATER TEMPERATURE AT PILOT STATION = 62.2°F

VERY LITTLE ACCUMULATION IN DISCHARGE BOXES. SAMPLES INCLUDE HORSESHOE CRABS, WHELKS, EELS, OLIVE SNAILS, SAND DOLLARS, STARFISH, STINGRAY, CANNONBALL JELLYFISH, NEEDLEFISH, LETTERED OLIVE, MOON SNAILS, FLOUNDER

MINOR REPAIRS MADE TO STBD TED - shackles replaced on small chain curtain.

Bridge Watch Summary

Species	No. of animals	Comments
Tursiops truncatus	6-10	SIGHTED IN DIG AREA

Observer(s) On Duty: JENNIFER GATCKE & KIM POWELL

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Brunswick Harbor Entrance Channel

DAILY REPORT

Date: 12 / 16 / 94 Loads: 90-96

Area Worked: STATIONS 30-40

Conditions: CLOUDY/RAIN, NE→N WIND 20-25kt, SEAS 4-7', 49-53°F AIR

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

Comments: WATER TEMPERATURE (SAVANNAH PILOT STATION) = 60.9°F

MINOR REPAIRS TO STBD TED CURTAIN MADE BY OBSERVERS. LARGE SHACKLE ON STBD TED BROKE, DISCONNECTING TWO MAIN SUPPORT BARS - TO BE REPAIRED AT FIRST LIGHT.

VERY LITTLE DEBRIS ACCUMULATING IN SKIMMERS AND DISCHARGE BOXES. SAMPLES INCLUDE HORSESHOE CRABS, WHELK SHELLS, STARFISH, MOON SNAILS, SAND DOLLARS, CLAMS AND WOOD.

PLANS TO RE-SCREEN AFT 1/3 OF LATERAL OVERFLOW APPROVED BY CAPTAIN. THE DODGE ISLAND PREPARING SCREEN TO BE SENT OVER ON THE CREWBOAT.

Bridge Watch Summary

Species	No. of animals	Comments
Tursiops truncatus	2-4	SIGHTED BY BUOYS 5, 6, 7

Observer(s) On Duty: JENNIFER GATZKE & KIM POWELL

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Brunswick Harbor Entrance Channel

DAILY REPORT

Date: 12 / 17 / 94 Loads: 97- 103

Area Worked: STATIONS 30-40

Conditions: CLOUDY/FOG, N/NW WIND 5-16 kts, SEAS CALM, 50-53°F AIR

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

Comments: REPAIRS MADE TO STBD TED - LARGE SHACKLE REPLACED TO CONNECT TWO MAIN SUPPORT BARS.

NEW LATERAL OVERFLOW SCREENING CUT AND INSTALLED ON AFT 1/3 OF HOPPER. WHEN SCREENING ON THE INBOARD SIDE OF COAMING IS REMOVED, SAMPLING WILL BE POSSIBLE.

VERY LITTLE DEBRIS ACCUMULATING. IN ADDITION TO THE TYPICAL SAMPLE OF HORSESHOE CRABS, WHELK SHELLS, STARFISH, SAND DOLLARS, CLAMS AND ARCHS WERE SPIDER CRABS, CANNONBALL JELLYFISH AND BURRFISH.

SLOW BELL IN EFFECT FROM SUNSET TO SUNRISE DUE TO AN ABORTED WHALE AERIAL SURVEY.

Bridge Watch Summary

Species	No. of animals	Comments
Tursiops truncatus	2	SIGHTED AT DIG SITE AND AT DUMP

Observer(s) On Duty: JENNIFER GATZKE & KIM POWELL

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Brunswick Harbor Entrance Channel

DAILY REPORT

Date: 12 / 18 / 94 Loads: 104-108

Area Worked: STATION 30 → 40

Conditions: CLEAR, E → NW WIND 15-23 Kt, SEAS CALM → 4'

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

Comments: STBD TED HAD TWO MAJOR BREAKS IN THE SHACKLES CONNECTING MAIN SUPPORT BARS. REPAIRS WERE MADE IMMEDIATELY ON BOTH OCCASIONS. SMALL REPAIRS WERE MADE TO THE CHAIN CURTAIN BY OBSERVERS.

OBSERVERS REMOVED ALL OF THE INBOARD LATERAL OVERFLOW SCREENING ON THE AFT 1/3 OF THE HOPPER, LEAVING THE RECENTLY INSTALLED OUTBOARD OVERFLOW SCREENING (DIRECTLY IN FRONT OF OVERFLOW CHUTE) TO MORE EFFECTIVELY SAMPLE DEBRIS.

VERY LITTLE ACCUMULATION OF DEBRIS. SAMPLES INCLUDED ONLY WHELK SHELLS, HORSESHOE CRABS AND WOOD.

Bridge Watch Summary

Species	No. of animals	Comments
NO SIGHTINGS REPORTED.		

Observer(s) On Duty: JENNIFER GATZKE & BUZZ BOTTS

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO

~~Brunswick~~ Harbor Entrance Channel

SAVANNAH

WEEKLY SUMMARY

Dates: 12 / 12 / 94 - 12 / 18 / 94 Loads: 64-108

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

Comments: REPAIRS WERE MADE THROUGHOUT THE WEEK TO THE STBD TED. THE LEAD WIRE BROKE (SEE DAILY 12/12) AND SOME MAJOR SHACKLES WERE REPLACED (12/17, 12/18). IN ADDITION, OBSERVERS MAINAINED CHAIN CURTAIN ON STBD TED BY REPLACING SMALL SHACKLES.

NEW LATERAL OVERFLOW SCREENING INSTALLED ON THE OUTBOARD SIDE OF THE COAMING ON THE AFT 1/3 OF THE HOPPER. THE INBOARD SCREENING WAS REMOVED IN THIS SECTION WITH THE HOPE THAT THIS WILL ALLOW A MORE EFFECTIVE SAMPLING OF DEBRIS.

SLOW BELL TO AND FROM THE DUMP WAS IN EFFECT ON 12/13, 12/14 AND 12/17 DUE TO ABORTED RIGHT WHALE AERIAL SURVEYS (INCLEMENT WEATHER).

WATER TEMPERATURE (SAVANNAH PILOT STATION) = 64°→61° F

VERY LITTLE ACCUMULATION OF DEBRIS. STILL DIGGING SAND. UNUSUAL SPECIES IN SAMPLES WERE BURRFISH AND TONGUEFISH

Bridge Watch Summary

Species	No. of animals	Comments
Tursiops truncatus	6-18 /DAY	BOTTLENOSE DOLPHIN - SIGHTED 12/12 - 12/15
"	2-4 /DAY	" - SIGHTED 12/16, 12/17

Observers On Duty:

JENNIFER GATZKE

KIM POWELL

BUZZ BOTTS

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Brunswick Harbor Entrance Channel

DAILY REPORT

Date: 12 / 19 / 94 Loads: 108 - 113

Area Worked: STA. # 40-33 SAVANNAH RIVER

Conditions: CLEAR, WINDS N.W. 16-23 KNOTS, SEAS CHOPPY 2'-4', T° 47-54°

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

Comments: W. Botts on board since 12/18, replaced K. Powell.

Little accumulation at sampling points of marine fauna. Predominatly whelks and Limulus, some jellyfish pieces.

T.E.D.'s will need minor repairs and adjustments, otherwise no problems.

Bridge Watch Summary

Species	No. of animals	Comments
T. TRUNCATUS	≈ 10	

Observer(s) On Duty: BOTTS, GATZKE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 12 / 20 / 1994 Loads: 114 - 118

Area Worked: STA # 40-33

Conditions: PARTLY CLOUDY NE Winds 10-20 knots 50-60° Seas 3-6

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

Comments: VERY SMALL AMOUNTS OF DEBRIS SHOWING UP IN SCREENS. ORGANIC MATERIAL INCLUDED: HORSESHOE CRABS, WHELKS / LIMULUS, FLOUNDER, SMALL CRABS, SEA WHIPS ASSORTED SMALL ORGANISMS

INORGANIC INCLUDED: PLASTIC BAGS, FISHING LINE, ROPE ETC.

HOPPER CONTENTS NEARLY 100% SAND

LARGE SHACKLE HOLDING BARS ON PORT TED WAS REPLACED WITH NO DOWN TIME

OBSERVER SCOTT DAVIS REPLACED JEN GADZKE AT 10:00

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: SCOTT DAVIS BUZZ BOTTS

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 12 / 21 / 94 Loads: 119 - 120

Area Worked: STA # 40-33

Conditions: RAINY 49-55° NE Winds 20 knots Seas 4-6

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

Comments: MAJOR BREAK ON CROSSBAR OF STBD TED. RUN INTO PORT FOR REPAIRS AND REPLACEMENT TED AFTER SHORT 1 HOUR DRAG USING ONLY PORT DRAG HEAD SPEND NEARLY 15 HOURS IN PORT REFUELING AND MAKING NECESSARY REPAIRS

VERY LITTLE DEBRIS IN SCREENS - HORSESHOE CRABS LIMULUS WHELKS AND SMALL AMOUNT OF GARBAGE

Bridge Watch Summary

Species	No. of animals	Comments
Turtles	4	NEAR MARKERS 15 and 10

Observer(s) On Duty: SCOTT DAVIS BUZZ BOTTS

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 12 / 22 / 94 Loads: 121 - 124

Area Worked: STA # 40-33

Conditions: RAINY Mid 50's° NE NW WINDS 18 KNOTS SEAS 3-5

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

Comments: NEWLY INSTALLED TED HAD SEVERAL BREAKS IN THE SMALL CHAIN GUARD. MODIFICATIONS WERE MADE RESULTING IN 1 1/4 MORE HOURS OF DOWN TIME. OTHER SMALL TED REPAIRS WERE MADE WITH NO RESULTING DOWN TIME

SCREEN CONTENTS WERE MINIMAL WITH ONLY SMALL AMOUNTS OF STARFISH HORSESHOE CRABS WHELKS AND TRACE GARBAGE

Bridge Watch Summary

Species	No. of animals	Comments
TURSIOPS	3	IN CHANNEL

Observer(s) On Duty: SCOTT DAVIS BUZZ BOTTS

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge PADRE ISLAND /NATCO
Brunswick Harbor Entrance Channel

DAILY REPORT

Date: 12 / 23 / 94 Loads: #125-129

Area Worked: STA. # 40-33

Conditions: CLOUDY, WINDS N.W. 5-25 KNOTS, SEAS 3'-6', T° 47°-53°

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

Comments:

Minimal problems. Replaced one large shackle on the starboard draghead.

Dredge material is predominatly sand. Biotic sample continues to be very minimal. Limulus, whelks. Some trash - i.e. fishing line, trawl netting (small piece), and plastic

No lost time T.E.D. repairs

Bridge Watch Summary

Species	No. of animals	Comments
Ø		

Observer(s) On Duty: BOTTS, DAVIS

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge PADRE ISLAND /NATCO
Brunswick Harbor Entrance Channel

DAILY REPORT

Date: 12 / 24 / 94 Loads: # 130 - 134

Area Worked: STA. # 40-33 SAVANNAH RIVER

Conditions: CLOUDY, WINDS N.W. 11-25 KNOTS, SEAS 2'-3', T° 44°-56°

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

Comments:

T.E.D. problems are continuing on the starboard side. Most are "adjustments" to the new T.E.D. that was installed earlier on 12/21. Resulted in 1:45 lost time. The tickler was hanging too low in the rear so some of the heavy chain links that the T.E.D. is suspended from under the drafhead had to be removed. In an effort to prevent as many breaks in the chain fence from occurring, the Captain has installed heavier chain that appears to be superior to the lighter chain. Slightly larger shackles for minor repairs have been requested.

Sand dredge material continues to produce minimal numbers of invertebrates.

Bridge Watch Summary

Species	No. of animals	Comments
Ø	Ø	

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 12 / 25 / 94 Loads: 135 - 140

Area Worked: STA 40 - 33

Conditions: MOSTLY CLEAR 60° MW 6 knots Calm Seas

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

Comments: REPACED SHACKLES THAT WERE BROKEN ON BOTH STBR AND PORT DRAGHEADS. OTHER MINOR ADJUSTMENTS INCLUDED REPLACING MISSING CHAINS ON TED'S

HOPPER COMPOSITION IS INCREASING IN CLAY COMPOSITES THOUGH STILL MOSTLY SAND AGGREGATES

MINIMAL ORGANIC MATERIAL IN THE SCREENS MAJORITY IS COMPOSED OF HORSESHOE CRABS LIMULUS WHELKS WITH OCCASIONAL STARFISH AND OTHER CRUSTACEANS

Bridge Watch Summary

Species	No. of animals	Comments
Ø	Ø	

Observer(s) On Duty: SCOTT DAVIS BUZZ BOTTS

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO

Brunswick Harbor Entrance Channel

SAVANNAH

WEEKLY SUMMARY

Dates: 12/19/94 - 12/25/94 Loads: 108 THROUGH 140

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

Comments: Starboard T.E.D. continued to produce numerous problems. The Captain believes it is due to the shallow cuts being made along the channel slope. He says that type of dredging produces a lot of bouncing on the draghead thereby increasing the stress on the "tickler." Many of the repairs were routine (i.e. replacing shackles) on 12/20. On 12/21 (see load sheet #119) a major break occurred to the cross bars and yoke on the starboard T.E.D., completely disabling it. As a result our vessel received instruction to go to the dock to pick up another tickler that was being trucked up from Jacksonville. Were able to refuel while waiting on the T.E.D.'s arrival and installation. One problem the Captain pointed out that needs addressing is that even though a basic diagram of the T.E.D. exists, there is no detailed schematic plan showing how to install them, how far down they should hang, exact placement, etc. The resultant improvised rig required numerous latter adjustments resulting in more lost time (see load sheets #121 + 131).

Discharge boxes are working well collecting the incoming biota. Samples have been very minimal - predominatly limulus, whelks, + bugworms. Blow bell warning on 12/23. - Wm. Botts -

Bridge Watch Summary

Species	No. of animals	Comments
TURSIOPS TRUNCATUS	25-27	

Observers On Duty:

WM. BOTTS

SCOTT DAVIS

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
~~Brunswick~~ Harbor Entrance Channel
SAVANNAH

DAILY REPORT

Date: 12 / 26 / 94 Loads: 141 - 146

Area Worked: STA # 40-33

Conditions: PARTLY CLOUDY MID 50° SEAS CALM 1-3 13 knot wind

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

Comments: MINIMAL DEBRIS WAS ACCUMULATED IN THE PORT AND STBD SUPERS. SMALL POPULATIONS OF HORSE SHOE CRABS, LIMULUS, WHELKS, STARFISH LUGWORMS ALONG WITH ASSORTED GARBAGE MATTER

AT 10:35 PORT CRASHER WAS DISABLED FOR A SHORT PERIOD DUE TO MECHANICAL PROBLEMS, WAS REPAIRED AND OPERATIONAL. NO REPORTS OF ENDANGERED SPECIE SIGHTINGS

Bridge Watch Summary

Species	No. of animals	Comments
/	/	

Observer(s) On Duty: S. DAVIS W. BOTTS

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
~~Brunswick~~ Harbor Entrance Channel
SAVANNAH

DAILY REPORT

Date: 12 / 27 / 94 Loads: 147 – 151

Area Worked: STATIONS 40-33

Conditions: CLEAR, 50-60°, WIND NE 10-23, SEAS 2-3'

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

Comments: MINIMAL DEBRIS; HORSESHOE CRABS, WHELK, & LIMULUS FOR BIOLOGICS. NO PROBLEMS w/ DRAGHEADS.

Bridge Watch Summary

Species	No. of animals	Comments
/	/	

Observer(s) On Duty: S. DAVIS W. BOTTS

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
~~Brunswick~~ Harbor Entrance Channel
SAVANNAH

DAILY REPORT

Date: 12 / 20 / 94 Loads: 152 - 156

Area Worked: STATIONS 40 - 33

Conditions: CLEAR, 49 - 63°, WIND NE 12 - 3, SEAS 1 - 2'

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

Comments: LOAD # 156 HAD LARGE LOAD OF HORSESHOE CRABS, OTHERWISE VERY LITTLE MARINE ORGS IN SAMPLES, & MINIMAL DEBRIS. PORT DRAGHEAD INOPERABLE 12:00 - 12:45. OBSERVER BOTTS DEBARKED & TIM COLE ABOARD ~ 07:45. AERIAL SURVEY REPORTED NO WHALES SEEN IN AREA.

Bridge Watch Summary

Species	No. of animals	Comments
Tt	5	2 AT DUMP, 3 IN CHANNEL

Observer(s) On Duty: BOTTS, DAVIS, COLE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 12 / 29 / 94 Loads: 157 - 164

Area Worked:

Conditions: CLEAR - PARTLY CLOUDY, 52-60° WIND NE 4-16, SEAS CALM - 2'

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

Comments: DIGGING MOSTLY PURE MUD ALL DAY.
LITTLE BIOLOGICAL SAMPLES; CONTINUED HORSESHOE CRABS, WHELKS, GRASS, A COUPLE BLUE CRABS, SOME WOOD DEBRIS & ROCKS, METAL DEBRIS INCLUDING A LARGE CLEAT, CHAIN, SLEDGE HAMMER & WIRE. 1 LOAD COLLECTED SOME SHRIMP IN SCREENS.
REPAIRS MADE TO STBD TED TO CLOSE UP DEVELOPING HOLE - STILL REQUIRES MORE WORK.
CLOSED HATCH ON BOTH AFT DIST. BOXS ON LOAD #159.
BEGAN CLEARING LATERAL SCREENS W/ FIRE HOSE. PORT SCREEN BEGAN COLLECTING CLAY, BUT CLEAR NOW.

Bridge Watch Summary

Species	No. of animals	Comments
Tt	8	NEAR BOUY 5.

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 12 / 30 / 94 Loads: 165 – 170

Area Worked: STATIONS 30-20

Conditions: RAIN- CLEAR, 50-59°, WINDS NE 18-27, SEAS 3-7', H_2O = 59°

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

Comments: STILL DIGGING MUD. LITTLE BIOLOGICAL SAMPLES. CONTINUE TO GET HORSESHOE CRABS, WHELKS CONSISTANTLY, OCCASSIONALLY SOME EELS, A BLUE CRAB, & A SPINEY SPIDER CRAB.

PORT TED BUSTED A SHACKLE ON LOAD #165. PROMPTLY REPAIRED. PORT LATERAL SCREEN REPAIRED AFTER LOAD #170

LOST DIST. BOX DOOR PIN ON LOAD #168. DRAGTENDER & OBSERVER FABRICATED A NEW ONE.

Bridge Watch Summary

Species	No. of animals	Comments
BOTTLENOSE DOLPHINS	6	4 between bouys 13 & 15 (08:55); 1 near bouy 3 (10:30)
		1 near bouy 11

Observer(s) On Duty: GATZKE & COLE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 12 / 31 / 94 Loads: 171 - 175

Area Worked: STATIONS 30 - 20

Conditions: SHOWERS - FOG, 52-53° WIND NW 10 - N 18, SEAS 2-5', H_2O 59°

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

Comments: STILL DIGGING MUD. MORE TRASH IN LOADS. 15-30 HORSESHOE CRABS/LOAD, WHELKS IN EVERY LOAD ALSO SOME BLUE CRABS, SHRIMP, SEA PORK, SMALL FISH.

PORT LAT. SCREEN REQUIRES CLEANING w/ HOSE MOST EVERY LOAD. WOOD DEBRIS MAIN CULPRIT.

LINKS REPLACED IN STBD TED BY DRAGTENDER.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: COLE & GATZKE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 01 / 01 / 95 Loads: Ø

Area Worked: N/A

Conditions: N/A

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

Comments: DREDGE LEFT SAVANNAH RIVER ENTRANCE @ 23:00 ON 12/31/94 AND DOCKED AT PORT ROYAL, S.C. TILL 21:00 TODAY. OBSERVERS SPENT DAY CLEANING TRASH FROM ALL SCREENS & MODIFYING STARBOARD TED W/ HELP OF TENDERS. TIGHTENED SHACKLES ON BOTH TEDS.

Bridge Watch Summary

Species	No. of animals	Comments
N/A		

Observer(s) On Duty: COLE & GATZKE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Savannah Harbor Entrance Channel
1994-1995

WEEKLY SUMMARY

Dates: 12 / 26 / 94 - 01 / 01 / 95 Loads: 141 - 175

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

Comments: WATER TEMP = 59°.
DIGGING MUD ALL WEEK.
TYPICALLY COLLECT 15-40 HORSESHOE CRABS EACH LOAD. ALSO COLLECTING WHELK SHELLS, OCCASSIONALLY BLUE CRABS, EELS, SEA PORK, SEA CUCUMBERS, SHRIMP, & SMALL FISH.
OTHER MATERIALS REMOVED FROM SCREENING & DRAGHEADS INCLUDE METAL DEBRIS (CABLES, IRON BAR, MISC TOOLS), WOOD DEBRIS & PLASTICS.
CLAY BALLS & WOOD DEBRIS MADE CLEANING OF LATERAL SCREEN NECCESSARY AFTER NEARLY EVERY LOAD.
REPAIRS MADE TO STARBOARD TED ON 12/29, 12/31 & 1/1; REPAIRS TO PORT TED MADE 12/30 & 1/1. CAPTAIN CUT 4' SQUARES OUT OF DIST. BOX HATCHES TO MAKE LIGHTER FOR LIFTING.
SHIP AT DOCK AT PORT ROYAL, S.C. ON 1/1. OBSERVERS MADE MAJOR MODIFICATIONS TO STARBOARD TED W/ ASSISTANCE OF DRAGTENDERS. THE OUTBOARD 4" ROUND STOCK WAS SHIFTED BACK 2', SEVERAL OUTBOARD 1½" CHAIN LINKS REMOVED, THE OUTBOARD MESH CHAINS SHIFTED BACK, & THE FORWARD STAY TIGHTENED. THE REPAIRS WILL HELP THE TED MAINTAIN A BETTER SHAPE WHEN ON BOTTOM & CLOSES HOLE NOTED ON 12/29.

Bridge Watch Summary

Species	No. of animals	Comments
BOTTLENOSE DOLPHINS	5, 8, 6	12/28, 12/29 & 12/30 RESPECTIVELY. ALL SEEN IN CHANNEL DURING DREDGING OPERATION, EXCEPT 2 AT DUMP SITE ON 12/28.

Observers On Duty:

BUZZ BOTTS
SCOTT DAVIS
TIM COLE
JEN GATZKE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 1 / 2 / 95 Loads: 176-181

Area Worked: STATIONS 30-20

Conditions: PARTLY CLOUDY - OVERCAST, 61-47°, WIND W 3 - NW 18, SEAS 1-3', H_2O 58-59°

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

Comments: CONTINUE TO COLLECT 30-50 HORSESHOE CRABS EACH LOAD, WHELK SHELLS, & METAL & PLASTIC DEBRIS. PORT LATERAL SCREEN HAS REQUIRED CLEANING AFTER EACH LOAD - COLLECTING WOOD DEBRIS & CLAY BALLS.

STARBOARD TED'S OUTBOARD SUPPORT CHAIN BROKEN. PROMPTLY REPAIRED BY DRAGTENDER.

AN ATLANTIC STURGEON HEAD RECOVERED IN LOAD #177. PECTORAL FIN SPINES REMOVED & SENT TO THE GEORGIA DEPT. OF NATURAL RESOURCES.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: COLE & GATZKE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 1 / 3 / 95 Loads: 182 - 187

Area Worked: STATIONS 20-30

Conditions: MOSTLY CLOUDY - CLEAR, 43°-65°, WIND N 12-5 & NW 5-7, SEAS CALM-2', H_2O 59°

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

Comments: STILL IN THE MUD, BUT GETTING SANDIER AT TIMES.
BIOLOGICAL SAMPLES INCLUDE MOSTLY HORSESHOE CRABS, OCCASSIONALLY BLUE CRABS, SEA PORK, EELS, WHELK SHELLS & EGG CASES, TUNICATES, SEA CUCUMBERS, & SMALL FISH.
TEDS HOLDING UP WELL TODAY.
STILL HOSING CLEAN LATERAL SCREENS DUE TO CLAY BALLS & WOOD DEBRIS.

Bridge Watch Summary

Species	No. of animals	Comments
BOTTLENOSE DOLPHINS	3	NEAR BOUY 11 @ 11:55

Observer(s) On Duty: COLE & GATZKE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 1 / 4 / 95 Loads: 188 - 193

Area Worked: STATIONS 30-20

Conditions: MOSTLY CLOUDY - PARTLY CLOUDY, 42-47°, WIND N 8-12 & SW 5-9, SEAS CALM-2', H_2O 58°

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

Comments: CONTINUE TO COLLECT SOME HORSESHOE CRABS, EELS, SEA PORK, & SHRIMP IN SMALL NUMBERS. PLASTIC, METAL & WOOD DEBRIS ALSO COLLECTED IN SMALL AMOUNTS.

SOME WORK DONE TO STBD TED AFTER LOAD # 191.

WOOD DEBRIS & CLAY BALL BUILD UP ON LAT. SCREENS MINIMAL.

Bridge Watch Summary

Species	No. of animals	Comments
BOTTLENOSE DOLPHINS	7	NEAR BOY 11 @ 11:45.

Observer(s) On Duty: COVE & GATZKE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 1 / 5 / 95 Loads: 194 - 200

Area Worked: STATIONS 20 - 30

Conditions: CLEAR - PARTLY CLOUDY, 37° - 45°, WIND NW 18 - NE 17, SEAS 1-4', H_2O 56°

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

Comments: BIOLOGICAL SAMPLES MOSTLY HORSESHOE CRABS, WHELK SHELLS & EELS, SOME SEA PORK & GRASS.
METAL & WOOD DEBRIS, ONE GOLFBALL COLLECTED.
LOADS SANDIER & FAIRLY CLEAN.
BOTH TED'S MESHES IN NEED OF MINOR REPAIRS, WAITING FOR SEAS TO SUBSIDE.

Bridge Watch Summary

Species	No. of animals	Comments
BOTTLENOSE DOLPHINS	3	ASSOCIATED W/ SHRIMPBOAT @ 08:30, NEAR BOUY 11.

Observer(s) On Duty: COLE & GATZKE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 1 / 6 / 95 Loads: 201 - 207

Area Worked: STATIONS 20 - 30

Conditions: CLEAR - RAIN, 42° - 64°, WIND NE 17 - SW 31, SEAS 2-5', H_2O 56°

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

Comments: BIOLOGICAL SAMPLES MOSTLY HORSESHOE CRABS, WHELK SHELLS & EELS. ALSO WHELK EGGS, SEA PORK & SPINY SPIDER CRABS. PLASTIC TRASH, WOOD & METAL DEBRIS ALSO COLLECTED. MATERIAL STICKY MUD & SAND.

Bridge Watch Summary

Species	No. of animals	Comments
BOTTLENOSE DOLPHINS	3	NEAR BOUY 11 @ 11:45.

Observer(s) On Duty: COVE & COATZEE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 1 / 7 / 95 Loads: 208 - 214

Area Worked: STATIONS 20 - 30

Conditions: RAIN - CLEAR, 69-48°, WIND SW 25 - WNW 20, SEAS 5' - 1', H_2O 56.6°

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

Comments: FAIRLY LITTLE BIOLOGICAL SAMPLES, SOME HORSESHOE CRABS
WHELK SHELLS, EELS, VEGETATION, SEA PORK.
METAL & WOOD DEBRIS & PLASTIC TRASH ALSO COLLECTED.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: COLE & GATZKE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 1 / 8 / 95 Loads: 215- 222

Area Worked: STATIONS 20-30

Conditions: CLEAR, 40-59°, WIND NW 15- CALM, SEAS 1'-CALM, H_2O 56°

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

Comments: LITTLE BIOLOGIC MATTER COLLECTED. SOME HORSESHOE CRABS, WHELKS, EELS, SEA PORK & CRABS. 2 FLOUNDERS. SOME WOOD, METAL & PLASTIC DEBRIS ALSO COLLECTED. MATERIAL SANDY, BUT CLEARING of CLAY BALLS FROM LATERAL SCREENS NECCESSARY AFTER SEVERAL LOADS. LARGE SHACKLE ADDED TO PORT TED MINOR REPAIRS MADE TO STBD TED.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: COLE & GATZKE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Savannah Harbor Entrance Channel
1994-1995

WEEKLY SUMMARY

Dates: 1 / 2 / 95 - 1 / 8 / 95 Loads: 176 - 222

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

Comments: H_2O 59° - 56°

BIOLOGICAL SAMPLES DECLINED OVER THE COURSE OF THE WEEK. SAMPLES INCLUDED MOSTLY HORSESHOE CRABS, WHELKS, & EELS. OTHER SAMPLES INCLUDED SOME BLUE CRABS, SPINY SPIDER CRABS, SEA PORK, WHELK EGG CASES, TUNICATES, SEA CUCUMBERS, GRASSES, & A FEW FISH (1 CROAKER, 2 FLATFISH, POSS. HERRING BRIT). AN ATLANTIC STURGEON HEAD RECOVERED IN LOAD #177. APPARENTLY ALREADY DEAD. PECTORAL FIN SPINES REMOVED & SENT TO GEORGIA STATE DEPT. NATURAL RESOURCES.

WOOD & METAL DEBRIS & PLASTIC TRASH ALSO COLLECTED.

REPAIRS MADE TO PORT TED ON 1/8; REPAIRS ON STBD TED MADE ON 1/2, 1/4 & 1/8.

CLAY BALL BUILD UP IN PORT LAT. SCREEN REQUIRED FREQUENT CLEANING W/ FIRE HOSE. WOOD DEBRIS ALSO A CULPRIT.

MATERIAL BECAME SANDIER OVER COURSE OF WEEK.

Bridge Watch Summary

Species	No. of animals	Comments
BOTTLENOSE DOLPHIN	3, 7, 3, 3	ON 1/3, 1/4, 1/5 & 1/6 RESPECTIVELY. MOST SIGHTINGS MADE NEAR BOUY 11

Observers On Duty:

TIM COLE
JEN GATZKE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 1 / 9 / 95 Loads: 223 - 231

Area Worked: STATIONS 20-30

Conditions: CLEAR - PARTLY CLOUDY, 47-61°, WIND CALM - SE 10, SEAS 1', H_2O 56-59.7

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

Comments: BIOLOGICS MOSTLY HORSESHOE CRABS, WHELKS, EELS, W/ SOME SEA PORK, STARFISH, BLUE CRAB, STARGAZER, & POGIE. ALSO COLLECTED WOOD & METAL DEBRIS & TRASH. SOME WORK DONE TO BOTH PORT & STBD TEDS AFTER LOADS #222 & 226. MATERIAL FAIRLY SANDY.

Bridge Watch Summary

Species	No. of animals	Comments
BOTTLENOSE DOLPHINS	3	NEAR BOUY 1 ENROUTE TO DUMPSITE.

Observer(s) On Duty: COLE & GATZKE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 1 / 10 / 95 Loads: 232 - 239

Area Worked: STATIONS 20-30

Conditions: CLEAR-PARTLY CLDY, 48-64°, WIND NW-NE 2-5, SEAS CALM, H_2O ≈ 57°

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

Comments: lots of DEBRIS COLLECTED IN BOXES & SCREENS REQUIRED FREQUENT CLEANING. HORSESHOE CRABS, WHELK & CLAM SHELLS, SOME SAND DOLLARS, STARFISH, EELS & CRABS. MINOR REPAIRS MADE TO PORT TED AFTER LOAD #243

Bridge Watch Summary

Species	No. of animals	Comments
BOTTLENOSE DOLPHIN	1, 6	1 NEAR BOUY 3 @ 07:00 6 ASSOCIATED w/ SHRIMP BOAT @ 10:00.

Observer(s) On Duty: COLE & GATZKE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 1 / 11 / 95 Loads: 240 - 247

Area Worked: STATIONS 20 - 30

Conditions: CLEAR - CLOUDY, 53-62°, WIND NE 5 - CALM, SEAS 2' - CALM H_2O = 58°

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

Comments: RELATIVELY LITTLE BIOLOGICAL MATERIAL COLLECTED. MOSTLY HORSESHOE CRABS & EELS, W/ SOME WHELKS, CLAM SHELLS, GRASS, SOME TRASH TOO.
SUPPORT CHAINS ON PORT TED REPLACED & WELDED.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: COLE & GATZKE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 1 / 12 / 95 Loads: 248 - 255

Area Worked: STATIONS 20 - 30

Conditions: CLEAR - CLOUDY, 53-68°, WIND SE-NE 2-6, SEAS CALM, H_2O 58.5°

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

Comments: LITTLE BIOLOGIC MATERIAL COLLECTED. SOME HORSESHOE CRABS, WHELKS, SAND DOLLARS, STARFISH, EELS, 1 SPIDER CRAB, 1 BLUE CRAB. WOOD & METAL DEBRIS ALSO COLLECTED. CENTER SUPPORT CHAIN ON STBD TED REPLACED. SEE LOAD # 249 & 250.

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: COVE & GATZKE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 1 / 13 / 95 Loads: 256 - 263

Area Worked: STATIONS 20-30

Conditions: PARTLY CLOUDY - CLOUDY, 56°-64°, WIND NE 4-15 & E 5-10, SEAS 1-2', H_2O 59°

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

Comments: VERY LITTLE BIOLOGICS COLLECTED, SOME HORSESHOE CRABS, WHELK SHELLS, A MANTIS SHRIMP.

DRAGTENDERS TIGHTENED FORWARD STAY ON PORT TED AFTER LOAD # 258.

RESHACKLED PART OF STBD TED AFTER LOAD # 259

Bridge Watch Summary

Species	No. of animals	Comments
BOTTLENOSE DOLPHIN	2	NEAR BOUY 9 @ 08:20

Observer(s) On Duty: COLE & GATZKE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 1 / 14 / 95 Loads: 264 - 270

Area Worked: STATIONS 20-30

Conditions: CLOUDY - RAIN, 59-63°, WIND SE 4-15, SEAS 2-4', H_2O 60°

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

Comments: XIMENA PRUDENCIO REPLACED JEN GATZKE @ 08:45.

LITTLE BIOLOGIC MATERIALS COLLECTED. HORSESHOE CRABS, WHELKS, SEA STARS, & A SPINEY SPIDER CRAB. METAL & WOOD DEBRIS ALSO COLLECTED.

HIGH SEAS DISALLOWED CHECKING UNDER DRAGHEADS PART OF THE DAY. TEDS APPEARED OK FROM CATWALK.

Bridge Watch Summary

Species	No. of animals	Comments
BOTTLENOSE DOLPHINS	6, 4	6 SEEN BETWEEN BOUYS 8 & 6 @ 13:30; 4 NEAR BOUY 3 @ 13:40.

Observer(s) On Duty: Cole + Prudencio

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 1 / 15 / 95 Loads: 271 - 277

Area Worked: STATIONS 20 - 30

Conditions: RAINY → CLEARING ~ 08:21; WIND SE ~8-10KTS; W 18KTS & CALM; SEAS 2-4'; 58-64°F
H_2O TEMP 61°F

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

Comments:

Jason Gedamke on to replace Tim Cole.

- BIOLOGICAL MATERIAL COLLECTED WAS FEW. HORSESHOE CRABS, WHELKS STARFISH, SAND DOLLARS & 1 eel COLLECTED. METAL & WOOD debris as WELL.
- MATERIAL SILT & CLAY. THICK CLAYBALLS COLLECTED LATER IN DAY
- REPAIRS MADE TO PORT TED AFTER LOAD 272.
- SHACKLES ATTACHED to MAIN SUPPORT BEAM WILL SOON NEED Replacing. Deagtender & MATE have been NOTIFIED as SOME WELDING WILL BE NEEDED.

- DOWNTIME AFTER LOAD 275 to FIX TRUNION on PORT SIDE - DOWN FROM 16:53 → 18:53

Bridge Watch Summary

Species	No. of animals	Comments
Tt (Bottlenose dolphins)	1	bow riding in channel on outbound containers slip ~ 09:35

Observer(s) On Duty: Tim Cole, Ximena Prudencio & Jason Gedamke

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND /NATCO
Savannah Harbor Entrance Channel
1994-1995

WEEKLY SUMMARY

Dates: 1/9/95 - 1/15/95 Loads: 223 - 277

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

Comments: H_2O Temps - 56 - 61°F

- BIOLOGIC SAMPLES included mostly HORSESHOE CRABS, WHELK SHELLS & STARFISH. Also COLLECTED were eels, SEA PORK, BLUE CRABS, POGIE, SAND DOLLARS, CLAM SHELLS, 2 SPIDER CRABS & A MANTIS SHRIMP
- WOOD + METAL DEBRIS also COLLECTED DAILY. OTHER TRASH COLLECTED AS WELL.
- MATERIAL SILTY WITH MORE CLAY BALLS TOWARDS END OF WEEK.
- WORK DONE TO TEDS on 1/9, 1/10, 1/11, 1/12, 1/13 + 1/15
- ROUGH WEATHER CONDITIONS on 1/14 PREVENTED CHECKING UNDER DRAGHEADS FOR PART OF THE DAY
- LESS MATERIAL BUILD UP ON LATERAL SCREENS THAN LAST WEEK
- LESS BIOLOGICAL MATERIAL COLLECTED DURING THE COURSE OF THE WEEK

Bridge Watch Summary

Species	No. of animals	Comments
Bottlenose Dolphin	3, 7, 2, 10 + 1	Sightings made on 1/9, 1/10, 1/13, 1/14 + 1/15 respectively. Most sightings made in or around channel

Observers On Duty:

Jennifer Gatske
Tim Cole
Ximena Prudencio
Jason Gedamke

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Padre Island /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 1 / 16 / 95 Loads: 278 - 279

Area Worked: STA 20-30

Conditions: overcast → cloudy; 52°-58°F; WIND NW 7-15 KTS; Seas 1-3' swell; H_2O 61°F

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

Comments:

Very little biological material collected - included were horseshoe crabs & whelk shells. Some metal, wood & clay balls also collected

After dumping load # 279 @ 0847, the Padre Island headed up the Savannah River to refuel

While at dock observer checked all the screening material as well as the TEDs. The inboard side of the STBD TED needed some repairs which were tended to by the observer. All screening & excluder devices are in good working order.

Bridge Watch Summary

Species	No. of animals	Comments
bottlenose dolphin	1	all sightings made in and around
"	2-3	channel btwn. markers 24-35
"	2	

Observer(s) On Duty: Jason Gedamke, Ximena Prudencio

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Padre Island /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 01 / 17 / 95 Loads: 280 - 286

Area Worked: STA 20-30

Conditions: clear → p cloudy → clear, 52° → 65°F, wind calm → N 5kn → NE 10kn → calm → SE 5-10Kn, Seas 1-3' swell, water 60°F

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

Comments: Padre Island departed the fueldock at 0020 - Began dredging at 0207

Fairly small amount of biological samples - Horseshoe crabs, whelks, sea stars, clamshells

Large amounts of clay - Both boxes were flushed 3 times

A bolt missing from a door on top of the stbd discharge box was replaced

Lateral screening was sprayed with fire hose to clear off gathering silt

Bridge Watch Summary

Species	No. of animals	Comments
None	Sighted	

Observer(s) On Duty: Gedamke, Prudencio

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Padre Island /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 1 / 18 / 95 Loads: 287 - 293

Area Worked: STATIONS 20-30

Conditions: clear → pr. cloudy ; 53-62°F ; WIND calm → E 5-17KTS. ; SEAS 1-4' ; H_2O 54°F (60°F - pilot station) From maritime broadcast

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

Comments:

Not much biological material was collected. Samples varied — horse shoe crabs, whelks & eels were collected, as well as sea stars, 1 blue crab & 1 small ray.

Plenty of wood, plastic & metal debris was collected. Some clay balls & carbonate rocks were also collected along with other trash.

Discharge boxes were flushed or manually cleaned approximately every 2-3 loads or as needed.

Twice the chain to the aft port side support beam on the TED got caught up in the dragheard. Both times observer & dragtender on duty worked together to release the entanglement.

During load 293 shackle on outboard side of STBD TED that is connected to the aft support beam wore a hole on the bottom. Observer chose to allow another load to run prior to replacing shackle as the way it's holding it should not affect TED or TED efficiency.

Bridge Watch Summary

Species	No. of animals	Comments
Tt - bottlenose dolphin	2	sighted @ 11:05 ~100 m from dredge - green side - in channel

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Padre Island /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 1 / 19 / 95 Loads: 295 - 301

Area Worked: STA 20-30 (loads 295-297) + STA 50-60 (loads 298-301)

Conditions: Mostly cloudy; 54-63°F; WIND changing (later steady 10-20 kts from W); SEAS 1-3' → 3-6'; H2O - 55°F -

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

Comments:

- Not much biological material collected today. Collected were horseshoe crabs, whelks, eels, clam shells, 1 sea pork, 1 bluecrab, sea stars + sanddollars. (large amount of sea stars + sanddollars collected during Load 300; approx. 20-30 + 15-20 in STBD dis. box respectively).
- Plenty of trash (metal, wood + plastic debris) collected.

- Observers, AB's, dragtenders + engineers on duty all worked hard maintaining TEDs that were hung up or broken today. Observers are thankful for the cooperation.
- STBD TED needs some more repairs that will wait 'til the daylight hours of 1/20 due to rough weather

Bridge Watch Summary

Species	No. of animals	Comments
		NO SIGHTINGS

Observer(s) On Duty: Prudencio + Ciedanke

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Padre Island /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 1 / 20 / 95 Loads: 302-309

Area Worked: STA 50-60

Conditions: Cloudy → pt cloudy, 46-56°F, wind changing, seas 2'-6', H_2O temp 54° maritime rept. 60° pilot station

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

Comments: Rough weather inhibited close checks of diagrams + TED's after load 303

STBD TED - main support chain was reconnected and welded chain mesh was rewelded to lateral support beam after coming undone but broke free again during the next load. It will be worked on in better weather -

Weather is wearing badly on TEDS

Port Dis. Box pin is more and more difficult to remove.

Generally small amount of Biologics sampled

Material dredged is a course mud/sand with a large concentration of shell pieces.

Bridge Watch Summary

Species	No. of animals	Comments
	No Sightings	

Observer(s) On Duty: Prudencio, Gedanke

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Padre Island /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 1 / 21 / 95 Loads: 310 - 316

Area Worked: STA 50-60

Conditions: clear, strong winds changing, seas 1'-3', 42°-54°, H_2O 59 pilot station 55 mariner report

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

Comments: Load 310 was relatively small because a boat was aground in the channel so dredge had to leave to let another vessel pass

The dredged material is sandy with a very large concentration of broken shells

Samples included: horseshoe crabs, whelk and clamshells, eels, sea stars, a flounder, and other trash (ie wood, cloth, wire)

STBD TED has had major problems today, including the joint connecting all the main support beams falling apart twice. Major welding repairs took place each time.

Bridge Watch Summary

Species	No. of animals	Comments
	None Sighted	

Observer(s) On Duty: Brown / Gedamke

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Padre Island /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 1 / 22 / 95 Loads: 317- 326

Area Worked: STA 50-60

Conditions: clear/partly cloudy, wind NW 15 kt → W 10 → variable, Seas 2-3' → calm, 44°-55° air
water = 56° - maritime report

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

Comments: Samples included: Horseshoe Crabs, whelk and clam shells, Sea grass and sea stars. Non biologic samples included wood, metal, rocks, cloth and clay balls.

Dredged material consists mainly of sand with a large concentration of shell pieces.

Work was done to repair holes in the mesh of both TEDs. The STBD TED is getting very rough and needs repairs almost every haul

Bridge Watch Summary

Species	No. of animals	Comments
None		
	Sighted	

Observer(s) On Duty: Brown and Eckamke

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE Island /NATCO
~~Brunswick~~ Harbor Entrance Channel
SAVANNAH

WEEKLY SUMMARY

Dates: 1 / 16 / 95 - 1 / 22 / 95 Loads: 278 - 326

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

Comments: H_2O temperatures = 59°-61°F pilot station measurements / 54°-56°F VHF maritime report

While dredging in the area of stations 20-30:
- Dredged material consisted of sand with a high concentration of clay.
- There was relatively little biological material sampled but they included: Horseshoe crabs, whelk shells, clam shells, starfish, assorted crabs, eels, a ray, and sea pork.
- Clay, weed, metal, and other trash debris was collected daily.
- After load #279 the Padre Island meeted the Savannah River to refuel
- Very little material collected on lateral screens

While dredging in the area of stations 50-60:
- Dredged material consisted of sand with a high concentration of broken shells
- Biological samples collected were mainly whelks and clam shells, horseshoe crabs and starfish. Also included were: sand dollars, eels, a flounder, sea grass, sea pork along with metal and weed debris and other trash
- Rough weather inhibited a close check of the drayheads and TEDs after load 303 (1/20/95)
- Very little material collected on lateral screen

The starboard TED has had severe problems that have required welding on 1/19 - 1/22. Repairs made to TEDs by observers on 1/16, 1/18, 1/19, 1/20, 1/21, 1/22. The chain mesh on the starboard TED is getting very rough and is requiring work often

Bridge Watch Summary

Species	No. of animals	Comments
Tursiops Truncatus	1	All sightings made in and around the
" "	2-3	channel between markers 24-35
" "	2	on 1/16/95

Observers On Duty:

Prudencio
Gedamke
Brown