ENDANGERD SPECIES OBSERVER PROGRAM

Dredge NEWPORT

Project BRUNSWICK BAR CHANNEL

DAILY REPORT

Date: 02/10/99 Loads: 1-2 Bridge Watch: Start Time 1530 End 1830

Area(s) Worked: STATIONS -14+500 TO -21+500

Weather: Beau. Sea State 1-2 Wind Dir. ENE Wind Speed 5-15KTS Cloud Cover(%) 40

H_2O Surface Temp. 63° Air Temp. — (H) — (L) Celsius _____ Farenheit X

Sighting # 1. Time_____ Vessel Location (lat/long)_____ X_____

Species Observed_____ # of Animals_____

Comments: NO SIGHTINGS

Sighting # 2. Time_____ Vessel Location (lat/long)_____ X_____

Species Observed_____ # of Animals_____

Comments:_____

Sighting # 3 . Time_____ Vessel Location (lat/long)_____ X_____

Species Observed_____ # of Animals_____

Comments:_____

Summary of Small Cetacean Sightings

Species	# of Animals	Time	Location & Comments
NO SIGHTINGS			

Comments or Incidents of Concern? NO LOADS OBSERVED IN SAVANNAH TODAY. OBSERVER DISEMBARKED DREDGE AT 0700 HRS. SHIP IN TRANSIT TO BRUNSWICK, OBSERVER TO REBOARD THERE. OBSERVER REBOARDED DREDGE IN BRUNSWICK AT 1530 HRS. OBSERVATION BEGAN IMMEDIATELY. DREDGING OPERATIONS COMMENCED AT 1640 HRS. WITH LOAD NUMBER ONE. CALIBRATION AND PAINT TESTS PERFORMED PRIOR TO STARTUP. AERIAL OBSERVATION REPORTS NO SIGHTINGS TODAY.

(see atttached page)

Observer(s) On Duty: BRETT JOHNSON

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge NEWPORT

Project BRUNSWICK BAR CHANNEL

DAILY REPORT

Date: 02/11/99 Loads: 6-10 Bridge Watch: Start Time 0700 End 1830

Area(s) Worked: STATIONS - 14+500 TO - 21+500

Weather: Beau. Sea State 1-2 Wind Dir. ENE Wind Speed 5-15 KTS Cloud Cover(%) 40

H_2O Surface Temp. 64° Air Temp. 79° (H) 60 (L) — Celsius _____ Farenheit ✓

Sighting # 1. Time _____ Vessel Location (lat/long) _____ X _____

Species Observed _____ # of Animals _____

Comments: NO SIGHTINGS

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

Species Observed _____ # of Animals _____

Comments: _____

Sighting # 3 . Time _____ Vessel Location (lat/long) _____ X _____

Species Observed _____ # of Animals _____

Comments: _____

Summary of Small Cetacean Sightings

Species	# of Animals	Time	Location & Comments
TURSIOPS TRUNCATUS	2	1413	BOTTLENOSE DOLPHIN IN DISPOSAL AREA
"	4	1803	" " IN CUT BUOY # 11

Comments or Incidents of Concern? DENSE EARLY MORNING FOG, ZERO VISIBILITY. FOG LIFTING AT APPROXIMATELY 1130 HRS. NO AERIAL OBSERVATION PERFORMED TODAY DUE TO FOG. DREDGE OBSERVING 5 KNOT SLOW BELL IN ABSENCE OF AERIAL SURVEY.

(see atttached page)

Observer(s) On Duty: BRETT JOHNSON

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge NEWPORT

Project BRUNSWICK BAR CHANNEL

DAILY REPORT

Date: 02/12/98 Loads: 14-17 Bridge Watch: Start Time 0700 End 1830

Area(s) Worked: STATIONS -14+500 TO -21+500

Weather: Beau. Sea State 1-3 Wind Dir. VARIABLE Wind Speed LT 25K Cloud Cover(%) 50 → 100

H_2O Surface Temp. 64° Air Temp. 72° (H) 55° (L) Celsius _____ Farenheit X

Sighting # 1. Time_____ Vessel Location (lat/long)_____ X_____

Species Observed_____ # of Animals_____

Comments: NO SIGHTINGS

Sighting # 2. Time_____ Vessel Location (lat/long)_____ X_____

Species Observed_____ # of Animals_____

Comments:_____

Sighting # 3 . Time_____ Vessel Location (lat/long)_____ X_____

Species Observed_____ # of Animals_____

Comments:_____

Summary of Small Cetacean Sightings

Species	# of Animals	Time	Location & Comments
TURSIOPS TRUNCATUS	4	1153	BOTTLENOSE DOLPHIN IN CHANNEL BUOY # 9,10
T+	6-8	1249	" " DISPOSAL AREA

Comments or Incidents of Concern? AERIAL OBSERVATION REPORTS NO WHALE SIGHTINGS SHIP TO MAINTAIN SLOW BELL AT NIGHT.

(see atttached page)

Observer(s) On Duty: BRETT JOHNSON

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge NEWPORT

Project BRUNSWICK BAR CHANNEL

DAILY REPORT

Date: 02/13/99 Loads: 21 - 23 Bridge Watch: Start Time 0645 End _____

Area(s) Worked: STATIONS - 14+500 TO - 21+500

Weather: Beau. Sea State 2-3 Wind Dir. NW Wind Speed 10-20K Cloud Cover(%) 30 → 0

H_2O Surface Temp. 61° Air Temp. 50 (H) 38° (L) Celsius _____ Farenheit X

Sighting # 1. Time _____ Vessel Location (lat/long) _____ X _____

Species Observed _____ # of Animals _____

Comments: NO SIGHTINGS

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

Species Observed _____ # of Animals _____

Comments: _____

Sighting # 3 . Time _____ Vessel Location (lat/long) _____ X _____

Species Observed _____ # of Animals _____

Comments: _____

Summary of Small Cetacean Sightings

Species	# of Animals	Time	Location & Comments
NO SIGHTINGS			

Comments or Incidents of Concern? MODERATE VISIBILTY, CHOPPY SEA CONDITIONS NO AERIAL OBSERVATION PERFORMED TODAY. SHIP TO SLOW BEIN DURING EVENING HOURS.

(see atttached page)

Observer(s) On Duty: BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM
Marine Mammal Sighting Information

Dredge _____

Project _____

WEEKLY SUMMARY

Dates: __/__/__ - __/__/__ Range of H_2O Surface Temperature: _____

Area(s) Worked: _____

Were there large whale species sighted within 0.25 nautical mile of the dredge (list date, time, sighting #)?

_____ _____

_____ _____

Summary of All Cetacean Sightings

Date		Species	Comments
__/__/__			
__/__/__			
__/__/__			
__/__/__			
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Comments: _____

Observers On Duty: _____

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge NEWPORT

Project BRUNSWICK ENTRANCE CHANNEL

DAILY REPORT

Date: 02/14/99 Loads: 26-29 Bridge Watch: Start Time 0645 End 1845

Area(s) Worked: STATIONS -14+500 TO -21+500

Weather: Beau. Sea State 3-5 Wind Dir. NE/NW Wind Speed 5-30K Cloud Cover(%) 50→0

H_2O Surface Temp. 58° Air Temp. 50° (H) 30° (L) Celsius _____ Farenheit X

Sighting # 1. Time_____ Vessel Location (lat/long)_____ X_____

Species Observed_____ # of Animals_____

Comments: NO SIGHTINGS

Sighting # 2. Time_____ Vessel Location (lat/long)_____ X_____

Species Observed_____ # of Animals_____

Comments:_____

Sighting # 3 . Time_____ Vessel Location (lat/long)_____ X_____

Species Observed_____ # of Animals_____

Comments:_____

Summary of Small Cetacean Sightings

Species	# of Animals	Time	Location & Comments
NO SIGHTINGS			

Comments or Incidents of Concern?_____

_____ (see atttached page)

Observer(s) On Duty: BRETT JOHNSON

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge NEWPORT

Project BRUNSWICK ENTRANCE CHANNEL

DAILY REPORT

Date: 02/15/99 Loads: 31-34 Bridge Watch: Start Time 0645 End 1845

Area(s) Worked: STATIONS -14+500 TO -21+500

Weather: Beau. Sea State 1-2 Wind Dir. NE/NW Wind Speed 5-10 K Cloud Cover(%) 10

H_2O Surface Temp. 57° Air Temp. 58° (H) 39° (L) Celsius _____ Farenheit X

Sighting # 1. Time_____ Vessel Location (lat/long)_____ X_____

Species Observed_____ # of Animals_____

Comments: NO SIGHTINGS

Sighting # 2. Time_____ Vessel Location (lat/long)_____ X_____

Species Observed_____ # of Animals_____

Comments:_____

Sighting # 3 . Time_____ Vessel Location (lat/long)_____ X_____

Species Observed_____ # of Animals_____

Comments:_____

Summary of Small Cetacean Sightings

Species	# of Animals	Time	Location & Comments
TURSIOPS TRUNCATUS	6-10	1435	BOTTLENOSE DOLPHIN IN CHANNEL BUOY'S 10-12

Comments or Incidents of Concern? AERIAL OBSERVATION REPORTS NO WHALE SIGHTINGS

(see atttached page)

Observer(s) On Duty: BRETT JOHNSON

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge NEWPORT

Project BRUNSWICK BAR CHANNEL

DAILY REPORT

Date: 02/16/96 Loads: 37 Bridge Watch: Start Time 1600 End 1845

Area(s) Worked: STATIONS -14+500 TO -21+500

Weather: Beau. Sea State CALM Wind Dir. SE Wind Speed SE 15-20 Cloud Cover(%) 10

H_2O Surface Temp. 58° Air Temp. 68° (H) 42° (L) Celsius _____ Farenheit X

Sighting # 1. Time _____ Vessel Location (lat/long) _____ X _____

Species Observed _____ # of Animals _____

Comments: NO SIGHTINGS

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

Species Observed _____ # of Animals _____

Comments: _____

Sighting # 3 . Time _____ Vessel Location (lat/long) _____ X _____

Species Observed _____ # of Animals _____

Comments: _____

Summary of Small Cetacean Sightings

Species	# of Animals	Time	Location & Comments
NO SIGHTINGS			

Comments or Incidents of Concern? DREDGE TO BRUNSWICK FUEL DOCK BEFORE DAYBREAK. DREDGING OPERATIONS RESUMED @ 1728 HRS WITH LOAD # 37. OBSERVATION BEGAN SHORTLY AFTER LEAVING BRUNSWICK DOCK @ 1600 HRS.

AERIAL OBSERVATION REPORTS NO LARGE CETACEAN SIGHTINGS.

(see atttached page)

Observer(s) On Duty: BRETT JOHNSON

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge NEWPORT

Project BRUNSWICK BAR CHANNEL

DAILY REPORT

Date: 02/17/99 Loads: 39-42 Bridge Watch: Start Time 0645 End 1830

Area(s) Worked: STATIONS -14+500 TO -21+00

Weather: Beau. Sea State 1-2 Wind Dir. NW Wind Speed 5-10K Cloud Cover(%) 10-90

H_2O Surface Temp. 58°F Air Temp. 78° (H) 54° (L) Celsius _____ Farenheit X

Sighting # 1. Time _____ Vessel Location (lat/long) _____ X _____

Species Observed _____ # of Animals _____

Comments: NO SIGHTINGS

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

Species Observed _____ # of Animals _____

Comments: _____

Sighting # 3 . Time _____ Vessel Location (lat/long) _____ X _____

Species Observed _____ # of Animals _____

Comments: _____

Summary of Small Cetacean Sightings

Species	# of Animals	Time	Location & Comments
TURSIOPS TRUNCATUS	15-20	1757	BOTTLENOSE DOLPHIN IN DISPOSAL AREA

Comments or Incidents of Concern? AERIAL OBSERVATION REPORTS NO SIGHTINGS.

(see atttached page)

Observer(s) On Duty: BRETT JOHNSON

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge NEWPORT

Project BRUNSWICK BAR CHANNEL

DAILY REPORT

Date: 02/18/99 Loads: 44 Bridge Watch: Start Time 0645 End 0945

Area(s) Worked: STATIONS - 144500 TO - 211500

Weather: Beau. Sea State 1-2 Wind Dir. NW Wind Speed 10-15K Cloud Cover(%) 50-80

H_2O Surface Temp. 58° Air Temp. 72° (H) 50° (L) Celsius _____ Farenheit X

Sighting # 1. Time_____ Vessel Location (lat/long)_____ X_____

Species Observed_____ # of Animals_____

Comments: NO SIGHTINGS

Sighting # 2. Time_____ Vessel Location (lat/long)_____ X_____

Species Observed_____ # of Animals_____

Comments:_____

Sighting # 3 . Time_____ Vessel Location (lat/long)_____ X_____

Species Observed_____ # of Animals_____

Comments:_____

Summary of Small Cetacean Sightings

Species	# of Animals	Time	Location & Comments
NO SIGHTINGS			

Comments or Incidents of Concern? 0900 HRS. ORDERS ARRIVED TO GO TO DOCK AND INSTALL TURTLE SCREENING ASAP. SHIP IN TRANSIT TO DOCK @ 0915 HRS.

(see atttached page)

Observer(s) On Duty: BRETT JOHNSON

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge NEWPORT

Project BRUNSWICK ENTRANCE CHANNEL

DAILY REPORT

Date: 02/19/99 Loads: NONE Bridge Watch: Start Time — End —

Area(s) Worked: NO DREDGING OPERATIONS

Weather: Beau. Sea State _____ Wind Dir. _____ Wind Speed _____ Cloud Cover(%) _____

H_2O Surface Temp. _____ Air Temp. _____(H) _____(L) Celsius _____ Farenheit _____

Sighting # 1. Time _____ Vessel Location (lat/long) _____ X _____

Species Observed _____ # of Animals _____

Comments: _____

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

Species Observed _____ # of Animals _____

Comments: _____

Sighting # 3 . Time _____ Vessel Location (lat/long) _____ X _____

Species Observed _____ # of Animals _____

Comments: _____

Summary of Small Cetacean Sightings

Species	# of Animals	Time	Location & Comments

Comments or Incidents of Concern? SHIP AT DOCK TO INSTALL TURTLE SCREENING. NO DREDGING OPERATIONS PERFORMED

(see atttached page)

Observer(s) On Duty: BRET JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

DREDGE NEWPORT

BRUNSWICK ENTRANCE CHANNEL

DAILY REPORT

Date: 02 / 20 / 99 Loads: 45-46

Area(s) Worked: STATIONS -17+500 TO -21+500

Weather Conditions: CLEAR SKIES ; LIGHT AIRS ; SEAS 1 FT.

Range of H_2O Temperature: Surface 58.5° - 59° F Below Mid-Depth 57° F

Condition of all screening apparatus: ALL IN APPARENT GOOD ORDER

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

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

DREDGE MATERIAL FINE SAND WITH SOME MUD. BIOLOGICAL SPECIMENS CONSIST OF SEA PORK AND JELLYFISH. DREDGE DEPARTED DOCK @ 1204 HRS. AFTER INSTALLING AVAILABLE SCREENING TO OVERFLOWS. DREDGING OPERATIONS RESUMED @ 1325 HRS. WITH LOAD # 45. OBSERVERS BRETT JOHNSON AND CINDY FRANZ PROVIDING FULL COVERAGE (24 HR.) OF TURTLE SCREENING AND MAINTAINING DAYLIGHT BRIDGE WATCH FOR THE PRESENCE OF SEA TURTLES AND WHALES.

THERE WERE NO INCIDENTS NOR ANY SIGHTINGS OF ENDANGERED SPECIES.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TURSIOPS TRUNCATUS	1	6-8	BOTTLENOSE DOLPHIN ENROUTE FROM DISPOSAL AREA

Observer(s) On Duty: BRETT JOHNSON / CINDY FRANZ

ENDANGERED SPECIES OBSERVER PROGRAM
Marine Mammal Sighting Information

Dredge NEWPORT

Project BRUNSWICK ENTRANCE CHANNEL

WEEKLY SUMMARY

Dates: 02 / 14 / 99 - 02 / 20 / 99 .. Range of H_2O Surface Temperature: 57° - 58° F

Area(s) Worked: STATIONS -14+500 TO -21+500

Were there large whale species sighted within 0.25 nautical mile of the dredge (list date, time, sighting #)?

THERE WERE NO WHALE OR SEA TURTLE SIGHTINGS LOADS 26-46

Summary of All Cetacean Sightings

Date	# of Animals	Species	Comments
02 / 14 / 99	-	NO SIGHTINGS	
02 / 15 / 99	6-10	Tursiops truncatus	BOTTLENOSE DOLPHIN IN CHANNEL
02 / 16 / 99	-	NO SIGHTINGS	
02 / 17 / 99	15-20	Tursiops truncatus	BOTTLENOSE DOLPHIN IN DISPOSAL AREA
02 / 18 / 99	-	NO SIGHTINGS	SHIP TO DOCK, BRUNSWICK
02 / 19 / 99	-	-	SHIP AT DOCK, BRUNSWICK
02 / 20 / 99	6-8	Tursiops truncatus	BOTTLENOSE DOLPHIN RETURNING FROM DUMP
/ /			
/ /			
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Comments: THERE WERE NO WHALE OR SEA TURTLE SIGHTINGS THIS WEEK.
SHIP TO DOCK FOR FUEL 02/16 FROM 0700 - 1600 HRS.
SHIP TO DOCK TO INSTALL TURTLE SCREENING 02/18-19. DREDGING OPERATIONS RESUMED 02/20 AT 1325 HRS WITH LOAD # 45. OBSERVER CINDY FRANZ BOARDED DREDGE AT APPROXIMATELY 1100 HRS. OBSERVERS MAINTAINING FULL COVERAGE OF TURTLE SCREENING FOR INCIDENTAL TAKE OF SEA TURTLES. ALSO MAINTAINING DAYLIGHT BRIDGE WATCH FOR ANY PRESENCE OF WHALES OR SEA TURTLES.

Observers On Duty: BRETT JOHNSON / CINDY FRANZ

ENDANGERED SPECIES OBSERVER PROGRAM

DREDGE NEWPORT

BRUNSWICK ENTRANCE CHANNEL

DAILY REPORT

Date: 02 / 21 / 99 Loads: 47-51

Area(s) Worked: STATIONS -17+500 TO -21+500

Weather Conditions: CLEAR TO P.CLOUDY SKIES; WINDS VARIABLE 5-15KTS. SEAS 1-2 FT.

Range of H_2O Temperature: Surface 58°F Below Mid-Depth 56°-57°F

Condition of all screening apparatus: ALL IN APPARENT GOOD ORDER

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

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

DREDGE MATERIAL FINE SAND WITH SOME MUD. BIOLOGICAL SPECIMENS CONSIST OF CANNONBALL JELLYFISH AND SEA PORK. ABIOTIC SAMPLES INCLUDE WOOD AND TRASH.

THERE WERE NO INCIDENTS NOR ANY SIGHTINGS OF ENDANGERED SPECIES.
AERIAL OBSERVATION REPORTS NO WHALE SIGHTINGS

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	1	5	BOTTLENOSE DOLPHIN IN CHANNEL

Observer(s) On Duty: BRET JOHNSON / CINDY FRANZ

ENDANGERED SPECIES OBSERVER PROGRAM

DREDGE NEWPORT

BRUNSWICK ENTRANCE CHANNEL

DAILY REPORT

Date: 02/22/99 Loads: 52-57

Area(s) Worked: STATIONS -17+500 TO -21+500; -21+500 TO -31+000

Weather Conditions:

Range of H_2O Temperature: Surface 57.5° - 58° F Below Mid-Depth 56° - 57° F

Condition of all screening apparatus: ALL IN APPARENT GOOD ORDER

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

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

DREDGE MATERIAL IN STATION -17+500 TO -21+500 FINE SAND WITH SOME MUD. MATERIAL IN STATION -21+500 TO -31+000 CONSISTS OF BLACK, SICK MUD. BIOLOGICAL SPECIMENS CONSIST OF HORSESHOE CRAB, CANNONBALL JELLYFISH, STARFISH AND SPIDER CRAB. ABIOTIC SAMPLES INCLUDE WOOD AND ASSORTED TRASH.

THERE WERE NO INCIDENTS INVOLVING ENDANGERED SPECIES NOR ANY SIGHTINGS. AERIAL OBSERVATION REPORTS NO WHALE SIGHTINGS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO SIGHTINGS			

Observer(s) On Duty: BRET JOHNSON | CINDY FRANZ

ENDANGERED SPECIES OBSERVER PROGRAM

NEWPORT

BRUNSWICK ENTRANCE CHANNEL

DAILY REPORT

Date: 02 / 23 / 99 Loads: 58 - 66

Area(s) Worked: STATIONS -17+500 TO -21+500 AND -21+500 TO -31+000

Weather Conditions: P.CLOUDY SKIES; WINDS NNE/NNW 8-25 KTS; SEAS 1-4 FT.

Range of H_2O Temperature: Surface 56° - 57°F Below Mid-Depth 54° - 56°F

Condition of all screening apparatus: ALL IN APPARENT GOOD ORDER

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

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

DREDGE MATERIAL IN STATIONS -17+500 TO -21+500 FINE SAND WITH SOME MUD. MATERIAL IN STATIONS -21+500 TO -31+000 SLICK, BLACK MUD. BIOLOGICAL SPECIMENS CONSIST OF CANNONBALL JELLYFISH, SPIDER AND HORSESHOE CRABS AND STARFISH. ABIOTIC SAMPLES INCLUDE WOOD AND ASSORTED TRASH.

THERE WERE NO INCIDENTS NOR ANY SIGHTINGS OF ENDANGERED SPECIES. AERIAL OBSERVATION REPORTS NO WHALE SIGHTINGS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO SIGHTINGS			

Observer(s) On Duty: CINDY FRANZ / BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

DREDGE NEWPORT

BRUNSWICK ENTRANCE CHANNEL

DAILY REPORT

Date: 02 / 24 / 99 Loads: 67-76

Area(s) Worked: STATIONS -22+000 TO -31+000

Weather Conditions: CLEAR TO P.CLOUDY SKIES; WINDS N/NW 5-25 KTS; SEAS 1-3 FT.

Range of H_2O Temperature: Surface 55°-57°F Below Mid-Depth 53°-55°F

Condition of all screening apparatus: ALL IN APPARENT GOOD ORDER

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

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

DREDGE MATERIAL SLICK, BLACK MUD. BIOLOGICAL SPECIMENS CONSIST HORSESHOE, BLUE AND SPIDER CRABS, CANNONBALL JELLYFISH, STARFISH AND SEA WHIP. ABIOTIC SAMPLES INCLUDE WOOD AND ASSORTED TRASH.

THERE WERE NO INCIDENTS INVOLVING ENDANGERED SPECIES NOR ANY SIGHTINGS. AERIAL OBSERVATION REPORTS NO WHALE SIGHTINGS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TURSIOPS TRUNCATUS	1	4	BOTTLENOSE DOLPHIN IN CHANNEL

Observer(s) On Duty: CINDY FRANZ / BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

DREDGE NEWPORT

BRUNSWICK ENTRANCE CHANNEL

DAILY REPORT

Date: 02 / 25 / 99 Loads: 77 - 85

Area(s) Worked: STATIONS -31+000 TO -22+000 AND -15+000 TO -16+000

Weather Conditions: CLEAR TO P.CLOUDY ; WINDS VARIABLE LIGHT TO 20 KTS ; SEAS 1-3 FT.

Range of H_2O Temperature: Surface 55° - 56° F Below Mid-Depth 53.5° - 54° F

Condition of all screening apparatus: ALL IN APPARENT GOOD ORDER

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

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

A JUVENILE LOGGERHEAD SEATURTLE (Caretta caretta) WAS TAKEN DURING LOAD NUMBER 83 AT 1350 HOURS. A PORTION OF THE CARAPACE AND LEFT REAR FLIPPER WERE RECOVERED FROM THE STARBOARD OVERFLOW SCREENING. THE SPECIMEN WAS HELD AND FROZEN IN SHIP'S FREEZER. THE CREW OF THE DREDGE NEWPORT WERE EXTREMELY COOPERATIVE AND ACCOMODATING IN THE RECOVERY AND PRESERVATION OF THE SPECIMEN. PLEASE SEE INCIDENT REPORT FOR DETAILS.

DREDGE MATERIAL FINE SAND TO SLICK BLACK MUD. BIOLOGICAL SPECIMENS CONSIST OF CANNONBALL JELLYFISH, STARFISH, ONE EEL, HORSESHOE AND SPIDER CRABS. ABIOTIC SAMPLES INCLUDE WOOD AND ASSURTED TRASH.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	3	5	BOTTLENOSE DOLPHIN IN CHANNEL AND DISPOSAL AREA

Observer(s) On Duty: BRETT JOHNSON / CINDY FRANZ

ENDANGERED SPECIES OBSERVER PROGRAM

DREDGE NEWPORT

BRUNSWICK ENTRANCE CHANNEL

DAILY REPORT

Date: 02 / 26 / 99 Loads: 86-96

Area(s) Worked: STATIONS 31+000 TO 22+000

Weather Conditions: CLEAR TO P.CLOUDY ; WINDS VARIABLE 10-20 KTS; SEAS 1-3 FT.

Range of H_2O Temperature: Surface 56°-57° F Below Mid-Depth 54°-55° F

Condition of all screening apparatus: ALL IN GOOD ORDER

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

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

DREDGE MATERIAL SLICK, BLACK MUD. BIOLOGICAL SPECIMENS CONSIST OF HORSESHOE, BLUE AND SPIDER CRABS, STARFISH, SEA PORK, ASSORTED VEGETATION, MISCELLANEOUS FISHES AND CANNONBALL JELLYFISH. ABIOTIC SAMPLES INCLUDE ROPE, PLASTIC, WOOD AND OTHER ASSORTED TRASH.

* A SEVERELY DECOMPOSED ADULT LOGGERHEAD SEA TURTLE (Caretta caretta) WAS FOUND IN THE STARBOARD OVERFLOW AT 2310 HRS. FOLLOWING LOAD # 96. THE PORTION RECOVERED FROM THE INDIVIDUAL WERE HEAD, FORE LIMBS AND UPPER PART OF CARAPACE, ALL ATTACHED. THERE WAS AN ABSENCE OF SKIN ON THE HEAD, EYES WERE BLOATED, SKIN ON FLIPPER RUBBED OFF WITH GENTLE PRESSURE, SCUTES ON CARAPACE WERE EITHER MISSING OR FADED COMPLETELY WHITE. IT CANNOT BE DEFINITIVELY DECIDED WHETHER THIS MORTALITY WAS ASSOCIATED WITH DREDGING ACTIVITY. (THE INDIVIDUAL WAS ALSO EXTREMELY FOUL IN ODOR, THAT WITH AFOREMENTIONED STRONGLY SUGGESTS IT WAS NOT A FRESH TAKE). AERIAL OBSERVATION REPORTS NO WHALE SIGHTINGS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO SIGHTINGS			

Observer(s) On Duty: BRETT JOHNSON | CINDY FRANZ

ENDANGERED SPECIES OBSERVER PROGRAM

DREDGE NEWPORT

BRUNSWICK ENTRANCE CHANNEL

DAILY REPORT

Date: 02/27/99 Loads: 97-107

Area(s) Worked: STATIONS -31+000 TO -22+000

Weather Conditions: CLEAR TO P.CLOUDY; WINDS VARIABLE LIGHT TO 20 KTS; SEAS CALM TO 3 FT.

Range of H_2O Temperature: Surface 57° F Below Mid-Depth 55° F

Condition of all screening apparatus: ALL IN GOOD ORDER

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

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

DREDGE MATERIAL SLICK, BLACK MUD. BIOLOGICAL SPECIMENS CONSIST OF HORSESHOE, BLUE AND SPIDER CRABS, STARFISH, JELLYFISH, STINGRAY, WHELK EGG CASING, SEA PORK AND ASSORTED VEGETATION. ABIOTIC SAMPLES INCLUDE ROPE, PLASTIC, WOOD, AND ASSORTED TRASH. DECOMPOSED Caretta caretta FROM 02/26 WAS WEIGHTED WITH IRON AND DUMPED AT DISPOSAL SITE AT 1245 HRS.

AERIAL OBSERVATION REPORTS NO WHALE SIGHTINGS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	4	18-24	BOTTLENOSE DOLPHIN IN CHANNEL

Observer(s) On Duty: BRETT JOHNSON / CINDY FRANZ

ENDANGERED SPECIES OBSERVER PROGRAM

DREDGE NEWPORT

BRUNSWICK ENTRANCE CHANNEL

WEEKLY SUMMARY

Dates: 02/21/99 - 02/27/99 Loads: 47-107

Range of H_2O Temperature: Surface 55°-58°F Below Mid-Depth 54°-57°F

Area(s) Worked: STATIONS -17+500 TO -21+500 AND -31+000 TO -22+000

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

Comments:

A JUVENILE LOGGERHEAD SEA TURTLE (Caretta caretta) WAS TAKEN ON 02/25 LOAD NUMBER 83 AT 1350 HOURS. THE PORTION OF THE INDIVIDUAL RECOVERED WAS FOUND ON THE STARBOARD OVERFLOW SCREENING. AFTER PROPER IDENTIFICATION, PHOTOS AND MEASUREMENTS WERE TAKEN THE SPECIMEN WAS PLACED IN THE SHIP'S FREEZER UNTIL FURTHER NOTIFICATION. PLEASE SEE DAILY AND INCIDENT REPORTS FOR DETAILS.

A SEVERELY DECOMPOSED LOGGERHEAD SEA TURTLE (Caretta caretta) WAS SAMPLED ON 02/26 LOAD NUMBER 96 AT 2310 HOURS. AGAIN THE INDIVIDUAL WAS PROPERLY IDENTIFIED, PHOTOGRAPHED AND MEASURED AND ALL NOTIFICATIONS WERE MADE. THE INDIVIDUAL WAS THEN WEIGHTED WITH IRON AND JETTISONED AT THE DISPOSAL AREA ON 02/27 AT 1245 HOURS. PLEASE SEE DAILY AND INCIDENT REPORTS FOR DETAILS.

DREDGE MATERIAL FINE SAND TO SLICK, BLACK MUD AND SILT. BIOLOGICAL SPECIMENS CONSIST OF HORSESHOE, BLUE AND SPIDER CRABS, STARFISH, JELLYFISH, STINGRAY, EEL, SEA PORK, WHELK EGG CASING AND VARIOUS VEGETATION. ABIOTIC SAMPLES INCLUDE ROPE, PLASTIC, WOOD AND ASSORTED TRASH.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T+	9	31-36	BOTTLENOSE DOLPHIN IN CHANNEL AND DISPOSAL AREA

Observers On Duty: BRETT JOHNSON / CINDY FRANZ

ENDANGERED SPECIES OBSERVER PROGRAM

DREDGE NEWPORT

BRUNSWICK ENTRANCE CHANNEL

DAILY REPORT

Date: 02 / 28 / 99 Loads: 108 - 119

Area(s) Worked: STATIONS 31+000 TO -22+000

Weather Conditions: CLEAR TO OVERCAST / SHWERS; WINDS VARIABLE 15-30 KTS; SEAS 2-4 FT.

Range of H_2O Temperature: Surface 57° - 58° F Below Mid-Depth 56° - 57° F

Condition of all screening apparatus: ALL IN GOOD ORDER

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

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

* A SLIGHTLY DECOMPOSED LOGGERHEAD SEA TURTLE (Caretta caretta) WAS RECOVERED FROM THE PORT OVERFLOW SCREEN FOLLOWING LOAD NUMBER 113 AT 1110 HOURS. THE SPECIMEN INCLUDED THE HEAD, BOTH FORELIMBS AND APPROXIMATELY 25% OF THE CARAPACE AND PLASTRON. THE EYES OF THE SPECIMEN WERE DECOMPOSED, ENTIRE SKIN OF THE SPECIMEN LOOSENING, SCUTES WERE EITHER ABSENT OR BEGINNING TO PEEL OFF, ABSENCE OF FRESH BLOOD EXCEPT FOR TRACE AMOUNT IN TISSUE AND OVERALL COLOR OF THE INDIVIDUAL WAS FADING. THESE FACTS LEAD US TO CONCLUDE THIS WAS NOT A FRESH KILL. HOWEVER IT CANNOT BE CONCLUSIVELY DETERMINED WHETHER OR NOT THE DREDGE HAD SOME IMPACT ON THIS MORTALITY NOR OF THE INDIVIDUAL TAKEN ON 02/26.

DREDGE MATERIAL SLICK, BLACK MUD. BIOLOGICAL SPECIMENS CONSIST OF HORSESHOE, BLUE AND SPIDER CRABS, STINGRAY, JELLYFISH, STARFISH, SEA PORK AND ASSORTED VEGETATION. ABIOTIC SAMPLES INCLUDE ROPE, PLASTIC, WOOD AND ASSORTED TRASH. THE TRAWLER "GEORGIA BULLDOG" BEGAN WORK IN DREDGE AREA 0839 HOURS.

SHIP IN TRANSIT TO BRUNSWICK DOCKS TO INSTALL TURTLE SCREENING ON DISCHARGE 0041 HRS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	1	3-6	BOTTLENOSE DOLPHIN IN CHANNEL

Observer(s) On Duty: BRETT JOHNSON / CINDY FRANZ

ENDANGERED SPECIES OBSERVER PROGRAM

DREDGE NEWPORT

BRUNSWICK ENTRANCE CHANNEL

DAILY REPORT

Date: 03 / 01 / 99 Loads: NONE

Area(s) Worked: —

Weather Conditions: —

Range of H_2O Temperature: Surface — Below Mid-Depth —

Condition of all screening apparatus: —

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

Comments (type of material being dredged, biological specimens, etc.): A JUVENILE LOGGERHEAD (Caretta caretta) WAS DELIVERED TO DREDGE ON 03/01/99 - 0600 HRS BY TRAWLER "GEORGIA BULLDOG"

* EXAMINED SPECIMEN RECOVERED BY TRAWLER "GEORGIA BULLDOG" ON 02/28/99 AT APPROX. 1200 HOURS. SPECIMEN WAS FULLY INTACT MINUS LEFT POSTERIOR PORTION OF CARAPACE AND REAR LIMB. SPECIMEN WAS MILDLY DECOMPOSED, SOME BLOOD STILL PRESENT IN ORGANS AND TISSUE. SPECIMEN HAD SLIGHT FOUL ODOR.

THIS INDIVIDUAL FIT PORTION OF SPECIMEN TAKEN BY DREDGE ON 02/25/99 LOAD NUMBER 83 AT 1350 HOURS. RECOVERED ON 02/25/99 WAS THE LEFT POSTERIOR AND REAR FLIPPER OF A JUVENILE LOGGERHEAD SEA TURTLE (Caretta caretta) WHICH WAS A PERFECT MATCH FOR INDIVIDUAL SAMPLED BY TRAWLER.

SHIP AT DOCK BRUNSWICK TO INSTALL SCREENING ON DISCHARGE BOXES. OBSERVER CINDY FRANZ DEPARTED DREDGE AT 0600 HRS. OBSERVER BRETT JOHNSON DEPARTED DREDGE AT 1400 HRS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

NEWPORT

BRUNSWICK ENTRANCE CHANNEL

DAILY REPORT

Date: 03 / 03 / 99 Loads: 120 - 130

Area(s) Worked: STA -22+500 to -40 +000

Weather Conditions: wind S10-20 → W 10-15 seas Calm - 4' p. cloudy

Range of H_2O Temperature: Surface 59° F Below Mid-Depth 57° F

Condition of all screening apparatus: good

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

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

Dredging resumed at 0122 on 3/3/99 after inflow boxes were placed. Generator failed at 0145, with a stop for repairs. An old (decayed) adult Caretta caretta head + LFF was found in the port fore box. At the end of load #120, a juvenile Caretta caretta was found in the STBD fore box. This was a fresh kill.

Dredged material is fine silt + mud.

Biotic samples include: horse shoe crabs, whelk, whelk egg cases, skates, sea pork + soft corals.

Abiotic samples included wood debris, plastic + cloth

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Ø			

Observer(s) On Duty: K. Dahlen + M. Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Newport
Brunswick Channel

DAILY REPORT

Date: 03/04/99 Loads: 131-144

Area(s) Worked: -31+000 TO -37+500

Weather Conditions: clear; seas 1-3'; wind NW/W @ 5-15 KT

Range of H_2O Temperature: Surface 57-58° F Below Mid-Depth 57° F

Condition of all screening apparatus: Good

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

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

Type of material dredged consists of fine silt and mud.

Biotic samples found in screens include skates, horseshoe crabs, sea pokes (tunicates), palm debris, bryozoan, hydroids, sea stars, key hole urchin, two eels anemones, sea cucumbers, and jelly fish.

Abiotic samples found consisted of plastic and wood debris, rope and other trash.

There were no encounters with endangered species.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	1	1	near dredge site
Tursiops truncatus	1	4	buoy #5 - at dredge site

Observer(s) On Duty: M Hart, K Dohlen

ENDANGERED SPECIES OBSERVER PROGRAM

Newport
Brunswick Entrance Channel

DAILY REPORT

Date: 03105199 Loads: 145-159

Area(s) Worked: -31+000 TO -37+500

Weather Conditions: Wind N to ENE, calm to 15 kt; seas 1-3 ft; skies clear to partly cloudy

Range of H_2O Temperature: Surface 57°F Below Mid-Depth 56°F

Condition of all screening apparatus: Good

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

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

Load #148 and #149 contained specimens from what we believe to be the same adult loggerhead sialuttle (Caretta caretta) #148 contained a piece of the carapace; #149 contained the head and left foreflippe. Both specimens found in port inflow box. Decomposition less than a week and over 24 hrs. and cannot definitively be associated with dredging activity. There was a puncture in the head and the head and foreflippe sample will be sent to DNR for further investigation.

Material dredged is silt and mud.
Abiotic samples consist of horseshoe crabs, sea pokes, jellyfish, soft coral, sea anemones, Sea pens, skates and whelks.
Abiotic samples consists of wood and plastic debris, water bottle, bucket, shrimp net, boards, and a rubber boot.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	1	3	At dredge site

Observer(s) On Duty: M Hart and K Dohlen

ENDANGERED SPECIES OBSERVER PROGRAM

DREDGE NEWPORT

BRUNSWICK ENTRANCE CHANNEL

DAILY REPORT

Date: 03 / 06 / 99 Loads: 160-174

Area(s) Worked: -31+000 to -37+500

Weather Conditions: Wind ENE-SSE 5-15 Kts, seas 1-2' p. cloudy

Range of H_2O Temperature: Surface 59° F Below Mid-Depth 58° F

Condition of all screening apparatus: good

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

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

Dredged material is fine silt + mud with a small amount of clay. Abiotic samples are light + include plastic + cloth debris, anchor chain + net. Biotic samples are light + include whelks, skates, jellyfish, sea porks, whelk egg cases, sea stars, sea whips, sea anemones, eels, tongue fish, flounder, unid'd fish sp. + horse shoe crabs.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	3	9	in channel + at buoys

Observer(s) On Duty: K. Dahlen + M. Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Newport

Brunswick Entrance Channel

WEEKLY SUMMARY

Dates: 02/28/99 - 03/06/99 Loads: 108 - 174

Range of H_2O Temperature: Surface 57-59°F Below Mid-Depth 56-58°F

Area(s) Worked: SW: -31+000 TO -22+000 / -22+500 TO -40+000 / -31+000 TO -37+500

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

Comments: Feb 28th: A slightly decomposed loggerhead seaturtle (Caretta caretta) was recovered from port inflow screen following load 113. Specimen consisted of the head, both foreflippers and 25% of the carapace and plastron. The condition of the specimen led observers to conclude that it was not a fresh kill and not conclusively attributed to dredging activity.

Mar 1st: At 0600 a juvenile loggerhead specimen was examined by Butt Johnson after being delivered to the dredge by the trawler Georgia Bulldog. Specimen had been taken by the trawler on Feb 28th and was a match with another specimen found by the trawler on Feb 25th.

Mar 3rd: Two loggerhead specimens were recovered following load 120. One of these was a freshly killed whole juvenile found in the starboard inflow screening and the other was a decayed specimen, head and left foreflipper, of an adult found in the port inflow screen.

Mar 5th: Loads 148 and 149 contained loggerhead specimens probably from the same animal. Both samples recovered from port inflow box. Following load 148 a piece of carapace was recovered and following load 149 the head and left foreflipper were recovered. Size, color and state of decomposition was consistent in the two samples. Remains are probably less than one week old but not 24 hrs. Therefore could not be definitely associated with the dredging. There was an unusual puncture to the head of this specimen and it was sent to Georgia DNR for further analysis.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
See Page 2			

Observers On Duty: M Hart & K Dohlen

ENDANGERED SPECIES OBSERVER PROGRAM

Newport

Brunswick Entrance Channel

page 2 of 2

WEEKLY SUMMARY

Dates: 02/28/99 - 03/06/99 Loads: 108-174

Range of H_2O Temperature: Surface 57-59°F Below Mid-Depth 56-58° F

Area(s) Worked: Stations: -31+000 TO 22+000 / -22+500 TO -40+000 / -31+000 TO -37+500

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

Comments: Material dredged is slick black mud and silt.

Other than the sea turtle specimens listed on page 1, biological specimens found consist of horseshoe crabs, blue and spider crabs, sting rays, skates, jellyfish, starfish, sea porks, assorted vegetation, whelks, whelk egg cases, soft coral, parts of palm trees, bryozoan, hydrozoa, keyhole urchin, eels, sea cucumbers, sea anemones, sea pens, sea whips, tonguefish, flounder, and unidentified fish sp. Abiotic specimens included rope, plastic, wood and assorted trash.

The trawler "Georgia Bulldog" began work to remove turtles from dredge area at 0839 on Feb 28th.
Observers Mary Hart and Kirsten Dohlen boarded dredge at the dock on Mar 1st. Dredging activity resumed at 0122, Mar 3rd, after inflow screening boxes were in place.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments	
Tursiops truncatus	1	3-6	In channel (Bottlenose dolphin)	Feb 28
TT	1	1	near dredge site	Mar 4th
TT	1	4	buoy #5, near dredge site	Mar 4th
TT	1	3	dredge site	Mar 5th
TT	3	9	in channel	Mar 6th

Observers On Duty: M Hart & K Dohlen

ENDANGERED SPECIES OBSERVER PROGRAM

NEWPORT

BRUNSWICK ENTRANCE CHANNEL

DAILY REPORT

Date: 03 / 07 / 99 Loads: 175 - 187

Area(s) Worked: -31+000 to -37+500

Weather Conditions: winds SE → NE 5-25 Kts seas 2-5' p.cloudy

Range of H_2O Temperature: Surface 50° Below Mid-Depth 58°

Condition of all screening apparatus: good - all new

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

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

Subadult/juvenile Caretta caretta head, lff, + posterior 20% of carapace w/rear flippers in load #175. Rff in load #176 appears to be from same turtle. Decay evident - most of scutes absent, skin gone on 1/3 of head, blackening of skin/scales on flippers. Not a fresh kill.

Other biological samples include sea pork, horseshoe crabs, quahogs, whelks, jellyfish + skates. Abiotic samples include wood, plastic + cloth debris.

Dredged material is silt + mud with an increasing amount of clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
0			

Observer(s) On Duty: K. Dahler + M. Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Newport
Brunswick Entrance Channel

DAILY REPORT

Date: 03 / 08 / 99 Loads: 188-194

Area(s) Worked: +16 +500 to +21 +500 + -31 +500 to -37+500

Weather Conditions: p. cloudy seas 2-6' winds NE 15-30 kts

Range of H_2O Temperature: Surface 58° F Below Mid-Depth 58°F

Condition of all screening apparatus: good

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

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

Dredged material is silt + mud with increasing amounts of clay. Due to weather conditions (sustained NE winds + choppy seas), dredge moved into Cedar Hammock area (+16+000 to +21 +500) for loads 192 - 194.

Biological specimens are light + include flounder + horseshoe crabs. Abiotic samples light, including wood, plastic + cloth debris.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
0			

Observer(s) On Duty: K. Dahlen + M. Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Newport
Brunswick Entrance Channel

DAILY REPORT

Date: 03 / 09 / 99 Loads: 195 - 205

Area(s) Worked: +16 +500 to +21 +500 and -21 +000 to -37 +500

Weather Conditions: Winds NE 20-25 => S5-10 kts Seas 4' → 2' p.cloudy

Range of H_2O Temperature: Surface 58° F Below Mid-Depth 58° F

Condition of all screening apparatus: all new - good

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

Comments (type of material being dredged, biological specimens, etc.):
Dredging continued in Cedar Hammock thru load 196, then resumed in ~~reach~~ sections III + IV as weather conditions improved. Dredged material is fine silt + mud with some clay. Biological samples are light + include flounder, horse shoe crabs, jellyfish + skates. Abiotic samples include wood, plastic + cloth debris.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TE	1	2	buoy #3

Observer(s) On Duty: K. Dahlen + M. Hart

ENDANGERED SPECIES OBSERVER PROGRAM

NEWPORT

Brunswick Entrance Channel

DAILY REPORT

Date: 03 / 10 / 99 Loads: 218 & 206

Area(s) Worked: -21 +000 to -37 +500

Weather Conditions: Winds S 5-10 kts → NW @ 20kts pt. Cloudy Seas 1-2'

Range of H_2O Temperature: Surface 58° F Below Mid-Depth 58°F

Condition of all screening apparatus: good

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

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

Dredged material is fine silt + mud with some clay.
Biological samples included cownose rays, horseshoe crabs, whelks, skates, sea whips, sea pork + jellyfish.
Abiotic samples include wood + plastic debris, palms, Marsh grass + net.
Georgia Bulldog live - captured + relocated one Lepidochelys kempii.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Caretta caretta	2	2	dumpsite + S. of channel
Tursiops truncatus	2	9	dumpsite + in channel

Observer(s) On Duty: Kirster Dahlen & Mary Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Newport
Brunswick Entrance Channel

DAILY REPORT

Date: 03 / 16 / 99 Loads: 218 228

Area(s) Worked: -21 to00 to -37 +500

Weather Conditions: clear/p.cloudy winds NW 5-25 seas 1-2'

Range of H_2O Temperature: Surface 57°F Below Mid-Depth 57°F

Condition of all screening apparatus: good

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

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

Dredged material is fine silt, mud + clay.

Load 224- R+ forefliippers + part of carapace of decaying Caretta caretta (Cc) in stbd inflow box + weir. Load 225 head, left foreflipper + part of carapace + plastron of what appears to be the same Cc recaved from port inflow box. Samples sent to GA DNR for further study.

Other biological samples include: horseshoe crabs, skates, jellyfish, sea perks, sea ~~horse~~ whip, bryozoans, hydrozoans + cow nose ray.

Abiotic samples include wood + plastic debris + net.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TE	~~4~~ 1	4	dumpsite
Cc	1	1	buoy #3 -

Observer(s) On Duty: K. Dahlen + M. Hast

ENDANGERED SPECIES OBSERVER PROGRAM

NEWPORT

Brunswick Entrance Channel

DAILY REPORT

Date: 03 / 12 / 99 Loads: 230 - 239

Area(s) Worked: -21 +000 to -37 +500

Weather Conditions: P.cloudy W→NE 10-25 kts seas 1-3'

Range of H_2O Temperature: Surface 57° F Below Mid-Depth 57° F

Condition of all screening apparatus: good

Are there incidents involving endangered or protected species? Yes 0 No ____

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

Load #231 - Apparently fresh juvenile Caretta caretta, rear flippers and 1/3 carapace recovered from port inflow. Right fore flipper recovered from Bull dog trawler appears to be from same turtle.

Other biological samples include: sea pork, sea whip, cownose ray, whelks + egg cases, horse shoe crab + jellyfish.

Abiotic samples include wood + plastic debris, shrimp net + scuba fin.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TE	1	4	dumpsite
TE	1	2	OIS Gray 7

Observer(s) On Duty: Kirsten Dahlen + Mary Harr

ENDANGERED SPECIES OBSERVER PROGRAM

Newport

Brunswick Entrance Channel

DAILY REPORT

Date: 03 / 13 / 99 Loads: 240-250

Area(s) Worked: STN: -21+000 TO -31+500

Weather Conditions: clear to cloudy; seas 1-3ft; Wind NE/E @ 10-20 KT

Range of H_2O Temperature: Surface 57° F Below Mid-Depth 57° F

Condition of all screening apparatus: Good

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

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

Material dredged is silt and mud.

Biota specimens found in screens consist of sea pork (tunicate), sea whip, jellyfish, horseshoe crabs, whelks, and whelk egg cases.

Abiotic samples include plastic and wood debris, rocks, palm debris and clay.

There were no encounters with endangered or protected species.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Matt & K Dohlen

ENDANGERED SPECIES OBSERVER PROGRAM

Newport

Brunswick Entrance Channel.

WEEKLY SUMMARY

Dates: 03/07/99 - 03/13/99 Loads: 175-250

Range of H_2O Temperature: Surface 57-59°F Below Mid-Depth 58-59°F

Area(s) Worked: stns: +16+500 to +21+500 & -21+000 TO -37+500

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

Comments: 7 Mar 99: Loads 175 & 176. Recovered specimens that appear to be from same individual, juvenile C. caretta. Head, left foreflipper and rear flippers w/ approx 20% of posterior (load 175) and Right foreflipper (load 176). Decay evident: scutes missing, black coloration on skin & scales. Not a fresh kill thus not obviously due to dredging activity.

11 Mar 99: Loads 224 & 225. Rt foreflipper and rear flippers w/ approx 20% of posterior and various pieces of body tissue (load 224) Head and left foreflipper (load 225) Size and state of decomposition (over 24 hrs - less than 1 wk) from these specimens appear to be from same individual, subadult Caretta caretta. Not a fresh kill, thus not attributed to dredging activity.

12 Mar 99: Load 231. Recovered after load 231 'apparently' fresh kill of juvenile Caretta caretta. Specimen consisted of rear flippers and approx 1/3 of Carapace. A right foreflipper was recovered by trawler Georgia Bulldog, probably from the same individual.

Other biological specimens consisted of seaperk and other tunicates, sea whips, cownose rays, whelk and whelk egg cases, horseshoe crabs, bryozoans, hydrozoans, quahogs, skates and Jellyfish. Abiotic specimens include wood, plastic and cloth debris, scuba fin, netting, palm debris and grasses.

Material dredged was fine silt, mud and some clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TT	6	21	Tursiops truncatus (Bottlenose dolphin)
CC	3	3	Caretta caretta (Loggerhead turtle)

Observers On Duty: M Hart & K Dohlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Newport
Brunswick Entrance Channel

DAILY REPORT

Date: 03 / 14 / 99 Loads: 251-257

Area(s) Worked: -21+000 to -37+500 & +16+500 to +18+750

Weather Conditions: cloudy winds E to NE 15-20kts seas 2-4'

Range of H_2O Temperature: Surface 57° Below Mid-Depth 57°

Condition of all screening apparatus: good

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

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

Dredged material is silt, mud + clay.
Biological samples include horse shoe crabs, whelks + grass.
Other samples include wood, rocks + plastic.

Dredging moved into Cedar Hammock Range due to wind + seas.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
0			

Observer(s) On Duty: Mary Hart + Kirsten Dohlen

ENDANGERED SPECIES OBSERVER PROGRAM

Newport

Brunswick Entrance Channel

DAILY REPORT

Date: 03 / 15 / 99 Loads: 258 - 266

Area(s) Worked: +16+500 to +18+750 & -21+500 to -31+000

Weather Conditions: partly cloudy seas 1-4' wind NE 15-30 to NW 10-15

Range of H_2O Temperature: Surface 56-58° F Below Mid-Depth 56-58°F

Condition of all screening apparatus: good

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

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

Dredged material is fine silt & mud with some clay & grass.

Biological samples include: horse shoe crabs, sea whips, jellyfish, tunicates, & speckled crab.

Abiotic samples include plastic, cloth & wood debris.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Kirsten Dahlen & Mary Haro

ENDANGERED SPECIES OBSERVER PROGRAM

DREDGE NEWPORT

BRUNSWICK ENTRANCE CHANNEL

DAILY REPORT

Date: 03 / 16 /99 Loads: 267-273

Area(s) Worked: +16+500 to +21+500 and -21+500 to -31+000

Weather Conditions: clear → pcloudy, W → SE winds 10-15 KO Seas 1-2'

Range of H_2O Temperature: Surface 57° F Below Mid-Depth 57°F

Condition of all screening apparatus: good

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

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

A very decomposed Caretta caretta was recovered from the port inflow box in load #269. Rear flippers and approx. 1/3 of the carapace + plastron were found. Sample had no scutes, loosened bones + a strong odor. Paling + decay of skin was apparent.

Other biological samples include jellyfish, sea pork, horse-shoe crabs, blue crabs + sea whips.

Other samples included wood, plastic + cloth debris + spartina.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Kirsten Dahler + Mary Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Newport

Brunswick Entrance Channel

DAILY REPORT

Date: 03 / 17 / 99 Loads: 274 - 283

Area(s) Worked: +16 +500 to +21+500 ~~to~~ and -21+500 to -31+000

Weather Conditions: clear winds SE -> E 10-15 Kts seas 1-2'

Range of H_2O Temperature: Surface 57° Below Mid-Depth 57°

Condition of all screening apparatus: good

Are there incidents involving endangered or protected species? Yes ____ No 2

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

Dredged material is silt + mud with some sand + clay. Biological samples include jellyfish, horse shoe crabs, sea porks, spider crabs, sea whips, sponges, blue crabs + unid'd fish. Other samples include wood, plastic, + cloth debris. Mark Dodd + Adam McKinnett from GA-DNR visited dredge to get a better idea of dredge-related turtle injuries. Took samples from Caretta Caretta found in Load 269 + Load 231 for mtDNA analysis.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	1	3	just inside channel

Observer(s) On Duty: Kirsten Dahlen + Mary Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Newport

Brunswick Entrance Channel

DAILY REPORT

Date: 03 / 18 / 99 Loads: 284-292

Area(s) Worked: Sect III Sta -22+000 to -28 +000 & Cedar Hammock 116+500 to +20 +000

Weather Conditions: Clear. seas 1-3' winds E→SE 10-15 Kts

Range of H_2O Temperature: Surface 57-60°F Below Mid-Depth 57-60°F

Condition of all screening apparatus: good

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

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

Load #288 - head forefippers + part of carapace of Cc recovered from port inflow box. Size, species, state of decay + dig site all suggest this is part of the decayed Cc recovered in load #269.

Load #289 - Fresh Juvenile Cc rearflippers + 1/2-2/3 carapace recovered from STBD inflow + overflow. The fact that most of this turtle was recovered from overflow screening after being seen floating in the hopper suggests that inflow screening needs to be higher or have screening on top to prevent loss of turtle parts.

Other biological samples include horse shoe crabs, jellyfish, cownose rays, skates, southern stingray, sea pork, Bryozoans, sea whips, un id'd fish, whelk egg cases + blue crab.

Other samples include wood, cloth + plastic debris, a plastic thermometer, + Spartina

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
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Observer(s) On Duty: Kirsten Dahlen & Mary Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Newport

Brunswick Entrance Channel

DAILY REPORT

Date: 03 / 19 / 99 Loads: 293-301

Area(s) Worked: -21+500 to -31+000 & +16+500 to +20+000

Weather Conditions: clear winds W-> NE 10-25 Kts seas 1-4'

Range of H_2O Temperature: Surface 58° Below Mid-Depth 58°

Condition of all screening apparatus: good

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

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

Load #299 - 46 cm piece of intestine recovered from STBD aft we is likely part of Cc from load #289.

Dredged material is silt + mud with a small amount of clay + some grass.

Biological samples include: cownose ray, sea whips, horse shoe crabs, sea pork, jellyfish, bryozoans, sponges, sea stars, un id'd fish(), Southern stingray, whelk egg cases + sea cucumbers.

Other samples include wood, PVC piping, plastic cloth debris, crab traps, tin cans + fishing net.

An immature common loon was found on the port aft weir at 0330 - was caught + released at 0945 + seemed fine.

Whale plane called at 1030 with no sightings.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TE	1	3	b/t dig site + dumpsite

Observer(s) On Duty: Kirsten Dahlen + Jen Gatzke

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Newport

Brunswick Entrance Channel

DAILY REPORT

Date: 03 Feb 199 Loads: 302-308

Area(s) Worked: -21 to 00 to -31+000 & 16+500 to 20 to0)

Weather Conditions: p. cloudy, wind NE 10-15 Kts seas 1-3'

Range of H_2O Temperature: Surface 59° F Below Mid-Depth 59° F

Condition of all screening apparatus: good

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

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

Load #304 - Sub adult Caretta caretta recovered from STBD inflow - Fresh Kill. As this was turtle #5, work has stopped except in the Cedar Hammock Range (+16 to +20)

Other biological samples include: Sea whips, whelk egg cases, jellyfish, sponges, bryozoans, sea pork, horse shoe crabs + flounder.

Other debris included spartina, wood cloth, plastic + tin.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Scaup	1	200-300	rafts of ducks regularly in channel

Observer(s) On Duty: Kirsten Dahlen + Jen Gatzke

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Newport

Brunswick Entrance Channel

DAILY REPORT

Date: 03 / 21 / 09 Loads: 309 - 314

Area(s) Worked: +16 +500 to +20 +000 Cedar Hammock Range

Weather Conditions: Cloudy -> clear winds SW & W 10-45 kts seas 1-5'

Range of H_2O Temperature: Surface 60° F Below Mid-Depth 60° F

Condition of all screening apparatus: good

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

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

Dredged material is silt, mud + sand with some clay + large jetty rocks.

Biological samples are light. They include: Sea whips, whelk egg cases mantis shrimp, pink shrimp, bryozoa, sea pork, Spanish + Sting Ray

Other samples include wood, cloth, plastic + metal debris

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TE	1	6	at dump
unid Turtle	1	1	Seen by dragtender. Probably Cc

Observer(s) On Duty: K. Dahlen + J. Gatcke

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Newport

Brunswick Entrance Channel

WEEKLY SUMMARY

Dates: 03 / 14 / 99 - 03 / 21 / 99 Loads: 251 - 314

Range of H_2O Temperature: Surface 57 - 60° F. Below Mid-Depth 57 - 60° F

Area(s) Worked: ~21 +000 to -31 +000 and +16+500 to +20 +000

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

Comments:

Load #269 - Very decomposed Caretta caretta in port inflow box. No scutes, peeling of skin + strong odor. Rear flippers + 1/3 carapace

Load #288 very decomposed Caretta caretta head, fore flippers + part of carapace in port inflow box. Size, species, state of decay + dig site all suggest this is the rest of the Cc from load #269.

Load #289 Rear flippers + 1/2-2/3 carapace of juvenile Caretta caretta recovered from STBD overflow. Fresh kill. Muscle reflex still evident.

Load #304 90% of sub adult Caretta caretta recovered from STBD inflow box. Fresh kill.

The fact that the Cc in load #289 was recovered from the STBD overflow screen suggests that inflow screening either needs to be higher or have screening on top to prevent the loss of turtle remains.

Other biological samples include: jellyfish, horse shoe crabs, sea pork, spider crabs, sea whips, sponges, blue crabs, Un-id'd fish, mantis shrimp + pink shrimp.

Other debris includes wood, plastic, cloth + metal + spartina.

Dredged material is silt, mud + sand with some clay.

Following the Cc take in load #304, dredging has stopped except in the Cedar Hammock Range. (+16+500 to +20 +000)

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TE	3	12	
Scaup	1	200-300	Raft of ducks outside channel
Un id'd turtle	1	1	probably Cc, seen by drag tender

Observers On Duty: Kirsten Dahlen, Mary Hart + Jen Gatcke

ENDANGERED SPECIES OBSERVER PROGRAM

Newport

Brunswick Entrance Channel

DAILY REPORT

Date: 03 / 22 / 99 Loads: 315-321

Area(s) Worked: +16 +500 to +20 +000

Weather Conditions: Clear ENE winds 5-25 kts seas 1-4'

Range of H_2O Temperature: Surface 60°F Below Mid-Depth 60°F

Condition of all screening apparatus: good

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

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

Dredged material is silt + mud with some sand, clay, rock + grass.

Biological samples are light. They include seapork, sea whips, bryozoans, pink shrimp + horse shoe crabs.

Other samples include wood, cloth + plastic debris.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TE	1	3	in Cedar Hammock

Observer(s) On Duty: Kirsten Dahlen + Jen Gatcke

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Newport
Brunswick Entrance Channel

DAILY REPORT

Date: 03 / 23 / 99 Loads: 322 - 327

Area(s) Worked: +16 +500 to + 20 tool

Weather Conditions: Clear, ENE with 5-15 kts seas 1-3'

Range of H_2O Temperature: Surface 60° F Below Mid-Depth 60° F

Condition of all screening apparatus: good

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

Comments (type of material being dredged, biological specimens, etc.):
Dredged material is silt + mud with some clay, sand + grass.
Biological specimens include sea whips, horse shoe crabs, bryozoans, + sea pork.
Other samples include wood, sneaker, cable + a soda bottle.
One "blow" was seen S of the channel, but no sighting. whale plane report ("humpback S of Cumberland

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TE	4	15	1 calf, some at dump
Scaup	(1) 600-700		Group #7

Observer(s) On Duty: K. Dahlen + J. Gatzke

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Newport

Brunswick Entrance Channel

DAILY REPORT

Date: 03 / 24 / 99 Loads: 328-329

Area(s) Worked: +16 to 500 +20 to 000

Weather Conditions: clear E wind 5-10 kts seas 1-3'

Range of H_2O Temperature: Surface 60.5° F Below Mid-Depth 60°F

Condition of all screening apparatus: good

Are there incidents involving endangered or protected species? Yes_____ No_____

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

Dredged material is silt + sand + mud with some clay + gravel. Samples are light + include sea whips + wood.

Headed to dock after load # 329 to wait for results of survey.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Kirsten Dahlen + Jen Gatzke

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Newport

Brunswick Entrance Channel

WEEKLY SUMMARY

Dates: 03 / 22 / 99 - 03 / 28 / 99 Loads: 315 - 329

Range of H_2O Temperature: Surface 58-60°F Below Mid-Depth 60°F

Area(s) Worked: +16 +500 to +23 +000

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

Comments:

Dredged material is silt + mud with some sand, clay, eelgrass

Biological specimens included: sea whip, sea pens, bryozoans, purple shrimp, horseshoe crabs. Other samples included sheather, wood, plastic + metal.

There were no incidents involving protected species.

Dredge departed for Brunswick docks after load 329.

Observers Kirsten Dahlen + Jen Goteke departed after final survey was accepted + channel work was completed.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TE	5	18	1 calf, dump + cedar hammock
Scamp	1	600-700	Buoy 77

Observers On Duty: Kirsten Dahlen + Jen Goteke