ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE MERMENTAU
Brunswick Harbor Entrance Channel
January 1993 - March 1993

DAILY REPORT

Date: 3 / 23 / 93 Loads: 01 - 03

Area Worked: Sta. 150-250

Conditions: T'storms, fog, wind SE 15 kts seas 3'-5'

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

Comments: Slay onboard ~1700 hrs. Dredging begins 1954 hrs

Lateral overflow ports not screened - will be taken care of ASAP. All other screening OK -

Force of discharge would likely clear the screens of small samples. Substantial samples will probably be retained —

C.O.E # DACW 21-93-C-0025

Bridge Watch Summary

Species	No. of animals	Comments

server(s) On Duty: Slay

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE MERMENTAU
Brunswick Harbor Entrance Channel
January 1993 - March 1993

DAILY REPORT

Date: 3 / 24 / 93 Loads: 04

Area Worked: STA -250 +00 → -150 +00

Conditions: Fog, Wind = Calm, Seas 1'-3', Temperature Air = 62° H2O = *

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

Comments: Dredging relatively clean material. Biological samples found in only Discharge Boxes included: Horseshoe & Blue Crabs, Parchment worms & casings, whelks & whelk egg casings, sea cucumbers & bivalves.

* H2O Temps are taken daily by observer on board Atchafalaya = Reports of daily H2O temps can be retrieved from Atchafalaya's daily reports.

0830 = Generator on board stopped, so after dumping load #04 @ 1308, Mermentau went to dock in Brunswick.

C.O.E # DACW 21-93-C-0085

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Chris Slay, Lisa Conger

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE MERMENTAU
Brunswick Harbor Entrance Channel
January 1993 - March 1993

DAILY REPORT

Date: 3 / 25 / 93 Loads: none

Area Worked: —

Conditions: —

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

Comments: Dredge Mermentau at Dock in Brunswick for Repairs.

C.O.E # DACW 21-93-C-0025

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Eric Westerman

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE MERMENTAU
Brunswick Harbor Entrance Channel
January 1993 - March 1993

DAILY REPORT

Date: 3 / 26 / 93 Loads: 05 → 07

Area Worked: STA -150 +00 → -215 +00

Conditions: Fog → Mostly clear, W = Calm → 12 kts Seas = Calm → 3' Temp = 64°-67°

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

Comments: Dredge left dock @ 17:50 & was back in operation @ 20:18.

Biological material found in discharge boxes included: Horseshoe crabs, Blue crabs, whelks, pen shells & other bivalves. Draghead's remain clear.

Survey plane did not fly today due to fog. Dredge observed slowbell at night.

Lateral overflow ports remain without screens.

C.O.E. DACW 21-93-C-0025

Bridge Watch Summary

Species	No. of animals	Comments
T+	2	Bottlenose Dolphins

Observer(s) On Duty: Eric Westerman

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE MERMENTAU
Brunswick Harbor Entrance Channel
January 1993 - March 1993

DAILY REPORT

Date: 3 / 27 / 93 Loads: 08 → 14

Area Worked: STA -150+00 → -215+00

Conditions: CLEAR. WINDS SW → NW 4-12 kts. SEAS 1'-3'. TEMP = 60°-74°

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

Comments: BIOLOGICAL SAMPLES FOUND PRIMARILY IN DISCHARGE BOXES. REMAINS MUCH THE SAME = HORSESHOE CRABS, BLUE CRABS, CANNONBALL JELLYFISH, SPOTTED EEL, SEA WORM, SEA CUCUMBERS, PARCHMENT CASINGS, SEA GRASS, PEN SHELLS & WHELKS.

RE: OVERFLOW SCREENING → THERE HAS APPARENTLY BEEN SOME MISCOMMUNICATION. AFTER DISCUSSIONS W/ CHRIS SLAY & CORPS INSPECTOR THIS COMING EVENING FINAL PLANS WILL BE MADE CLEAR.

C.O.E # DACW 21-93-C-0025

Bridge Watch Summary

Species	No. of animals	Comments
T+	6-7	BOTTLENOSE DOLPHINS IN CHANNEL

Observer(s) On Duty: ERIC WESTERMAN, SYDNEY PRINCE

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE MERMENTAU
Brunswick Harbor Entrance Channel
January 1993 - March 1993

WEEKLY SUMMARY # 1

Dates: 3 / 23 / 93 - 3 / 27 / 93 Loads: 01 → 14

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

Comments: DREDGE MERMENTAU BEGINS OPERATION IN BRUNSWICK CHANNEL @ 19:54 hrs. on 3/23/93.

PROBLEMS WITH THE GENERATOR STOPPED OPERATIONS on 3/24/93. DREDGE LEFT FOR DOCK in BRUNSWICK @ 13:10 AND REMAINED AT DOCK UNTIL 17:50 on 3/26/93. SINCE REPAIRS THERE HAVE BEEN NO PROBLEMS WITH DREDGE.

TED'S ARE NOT REQUIRED FOR THIS JOB. DESPITE MISCOMMUNICATION, SCREENS ON LATERAL OVERFLOW PORTS WILL BE REQUIRED. INSTRUCTIONS WERE MADE CLEAR ON THE EVENING OF THE 27th.

DREDGE IS DIGGING RELATIVELY CLEAN MATERIAL. BIOLOGICAL SAMPLES FOUND PRIMARILY IN DISCHARGE BOXES INCLUDED: HORSESHOE & BLUE CRABS, CANNONBALL JELLYFISH, SPOTTED EEL, SEA WORMS, SEA CUCUMBERS, PARCHMENT CASINGS, WHELKS & WHELK EGG CASES, PEN SHELLS & OTHER BIVALVES.

C.O.E # DACW 21-93-C-0025

Bridge Watch Summary

Species	No. of animals	Comments
T+	Aprox. 9	BOTTLENOSE DOLPHINS IN CHANNEL AREA

Observers On Duty:

CHRIS SLAY
LISA CONGER
ERIC WESTERMAN
SYDNEY PRINCE

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE MERMENTAU
Brunswick Harbor Entrance Channel
January 1993 - March 1993

DAILY REPORT

Date: 03 / 28 / 93 Loads: 15 → 21

Area Worked: STA -150 +00 → -215 +00

Conditions: CLEAR, W= SOUTH/SW 3-10 kts SEAS <2' Temp = 64° - 75°

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

Comments: DREDGE DIGGING CLEAN SAND. BIOLOGICAL SAMPLES FOUND PRIMARILY IN DISCHARGE BOXES INCLUDE: HORSESHOE CRABS BLUE CRABS CROAKER SEA WORM SEA CUCUMBER CANNONBALL JELLYFISH, SMALL FISH (SP?) DEN SHELL OYSTER SHELL & OTHER BIVALVES.

SCREEN WIRE IS BEGINNING TO BREAK DOWN IN DISCHARGE BOXES & WILL REQUIRE WELDING.

OVERFLOW SCREENING ON THE STBD SIDE WAS WELDED IN PLACE, PORT SIDE WILL BE INSTALLED 3/29/93

C.O.E. DACW 21-93-C-0025

Bridge Watch Summary

Species	No. of animals	Comments
T+	APPROX. 3	BOTTLENOSE DOLPHINS IN CHANNEL AREA

Observer(s) On Duty: SYDNEY PRINCE, ERIC WESTERMAN

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE MERMENTAU
Brunswick Harbor Entrance Channel
January 1993 - March 1993

DAILY REPORT

Date: 03 / 29 / 93 Loads: 22 - 27

Area Worked: STA -150+00 → -250+00

Conditions: CLEAR W: West/SW 2-10 kts SEAS <1' Temp: 69°-80°

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

Comments: DIGGING CLEAN SAND. BIOLOGICAL SAMPLES FOUND PRIMARILY in DISCHARGE BOXES INCLUDED: HORSESHOE CRABS, SEA CUCUMBER, SHRIMP, PEN SHELL & SEA GRASS

SCREENING WAS WELDED INTO PORT SIDE OVERFLOW PORT. BOTH PORT & STBD ARE NOW PROPERLY SCREENED. REPAIRS WERE ALSO MADE on DISCHARGE BOX SCREENING.

SURVEY PLANE SIGHTED RIGHT WHALE COW & CALF JUST OUTSIDE OF PROJECT AREA. COORDINATES WERE: 30°50.2 81°13.1 DREDGE OPERATED AT REGULAR SPEED AFTER SUNDOWN.

C.O.E # DACW 21-93-C-0025

Bridge Watch Summary

Species	No. of animals	Comments
T+	12	BOTTLENOSE DOLPHIN in CHANNEL AREA

Observer(s) On Duty: ERIC WESTERMAN, SYDNEY PRINCE

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE MERMENTAU
Brunswick Harbor Entrance Channel
January 1993 - March 1993

DAILY REPORT

Date: 03 / 30 / 93 Loads: 28 → 34

Area Worked: STA -150+00 → -215+00

Conditions: Clear → Cloudy, W: Variable/South 5-12 kts, Seas <2' Temp=68°-79°

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

Comments: Digging relatively clean sand. Biological samples found in skimmers, followed lateral screening & primarily in discharge boxes include: Horseshoe, Blue crabs, Spider crabs, sm. fish (sp.?), sea cucumber, cannonball jellyfish, parchment casing, pen shell, oyster shell & other bivalves.

Survey plane sighted Eg/Right whale cow & calf @ 08:57 hr. Coordinates: 31° 07.8 81° 12.1. Dredge operated slow bell after sun down.

C.O.E # DACW 21-93-C-0025

Bridge Watch Summary

Species	No. of animals	Comments
T+	Approx. 15	Bottlenose Dolphin in channel area

Observer(s) On Duty: Sydney Prince Erik Westerman

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE MERMENTAU
Brunswick Harbor Entrance Channel
January 1993 - March 1993

DAILY REPORT

Date: 03 / 31 / 93 Loads: 35 → 40

Area Worked: STA -150 FOO → -215 FOO

Conditions: CLOUDY, W - SOUTH/SW 3-30 kts SEAS ≤3' TEMP: 64°-74°

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

Comments: SANDY MATERIAL CONTAINING A BIT MORE DEBRIS. BIOLOGICAL SAMPLES FOUND IN SCREENING & DISCHARGE AREAS INCLUDE: HORSESHOE CRABS, BLUE CRABS, SEA CUCUMBERS, CANNONBALL JELLYFISH, PARCHMENT WORM CASING, WHELK, PEN, OYSTER & OTHER BIVALVE SHELLS.

OBSERVER ERIC WESTERMAN WAS REPLACED BY DOUG KINZEY.

THE SURVEY PLANE CONCLUDED ITS RIGHT WHALE SURVEYS TODAY.

C.O.E. # DACW 21-93-C-0025

Bridge Watch Summary

Species	No. of animals	Comments
T+	2	BOTTLENOSE DOLPHIN SOUTH OF CHANNEL

Observer(s) On Duty: SYDNEY PRINCE DOUG KINZEY

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE MERMENTAU
Brunswick Harbor Entrance Channel
January 1993 - March 1993

DAILY REPORT

Date: 04 / 01 / 93 Loads: 41-48

Area Worked: STA -150+00 → -215+00

Conditions: Mostly Clear, W = Southerly 5-15 kts, Seas <3', Temp = 62°-83°

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

Comments: Material being dug is still primarily sand. Biological samples found in screening remains much the same i.e. Horseshoe crabs, Ribbon fish, Cannonball jellyfish, eel, sea cucumber, sea pork, parchment casings, bivalve shells & sea grass.

"Georgia Bulldog" began trawling for turtles today. They operated up & down channel and by 18:30 reported no turtle catches.

C.O.E. # DACW 21-93-C-0025

Bridge Watch Summary

Species	No. of animals	Comments

Observer(s) On Duty: Doug Kinzey, Sydney Prince

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE MERMENTAU
Brunswick Harbor Entrance Channel
January 1993 - March 1993

DAILY REPORT

Date: 04 / 02 / 93 Loads: 49-54

Area Worked: STA -150 +00 → -215 +00

Conditions: CLEAR, WINDS = SOUTH/WEST 5-15 kts SEAS <2' TEMP = 54°-69°

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

Comments: DREDGE CONTINUES TO DIG HARD-PACKED SAND. BYCATCH SAMPLES FOUND PRIMARILY IN LANDING SCREENS INCLUDE: HORSESHOE CRAB RIBBON FISH HAKE & OTHER SMALL FISH (SP?), PARCHMENT CASING, SEA GRASS WHELK, PEN SHELL, & OTHER BIVALVES.

MIDDLE LANDING SCREEN ON THE PORT SIDE HAS REPAIRED. ALL CATCHMENT FACILITIES ARE IN GOOD SHAPE.

DREDGE BEGAN AGITATING IN BETWEEN LOADS FOR APROXIMATELY 2 HOURS. AGITATION FIRST STARTED AFTER LOAD # 52 AND WILL CONTINUE THROUGH 04/03/93. AGITATION REQUIRED DUE TO HARD PACKED SHOAL

"GEORGIA BULLDOG" TRAWLED TODAY = NO TURTLES

C.O.E # DACW 21-93-C-0025

Bridge Watch Summary

Species	No. of animals	Comments
T+	Aprox 30	BOTTLENOSE DOLPHIN IN CHANNEL AREA

Observer(s) On Duty: SYDNEY PRINCE, DOUG KINZEY

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE MERMENTAU
Brunswick Harbor Entrance Channel
January 1993 - March 1993

DAILY REPORT

Date: 04 / 03 / 93 Loads: 55-57

Area Worked: STA -150+00 → -215+00

Conditions: Cloudy, W- South/SE <8 knts Seas Calm Temp = 64°

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

Comments: Dredge still operating over difficult hard packed shoal and continues to agitate in between loads ie. agitating from 03:35 → 06:11 between loads # 57 & 58.

Biological samples found in landing & overflow screening includes: horseshoe crabs, ribbon fish, eel, hake parchment casing, sea cucumbers & bivalve shells.

"Georgia Bulldog" reports one loggerhead catch. Sub adult was released south of Jekyll Island.

C.O.E # DACW 21-93-C-0025

Bridge Watch Summary

Species	No. of animals	Comments
Tt	(16-18)	Bottlenose Dolphin in channel area

Observer(s) On Duty: Sydney Prince Doug Kinzey

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE MERMENTAU
Brunswick Harbor Entrance Channel
January 1993 - March 1993

WEEKLY SUMMARY #2

Dates: 03 / 28 / 93 - 04 / 03 / 93 Loads: 15 → 57

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

Comments: DREDGE MERMENTAU IS OPERATING OVER A VERY HARD-PACKED SANDY SHOAL, WHICH EVENTUALLY REQUIRED THAT THEY AGITATE BETWEEN EACH LOAD BEGINNING ON 04/02/93. DURING TIMES OF AGITATION, ONLY THE OUTBOARD DISCHARGE BOXES WERE OPERATING AS CATCHMENT FACILITIES.

SEDIMENT REMAINS RELATIVELY CLEAN. BIOLOGICAL SAMPLES FOUND IN LANDING AND OVERFLOW SCREENING INCLUDES: HORSESHOE & BLUE CRABS, RIBBON FISH, FLOUNDER, HAKE, CROAKER, EEL, SEA CUCUMBER, SEA PORK, CANNONBALL JELLYFISH, PARCHMENT CASING WHELK SHELL & BIVALVES.

LANDER SCREENS HAVE REQUIRED PERIODIC REPAIRS. WELDERS HAVE BEEN VERY RESPONSIVE AND HAVE MADE IMMEDIATE REPAIRS

TRAWLER "GEORGIA BULLDOG" BEGAN TRAWLING THE CHANNEL FOR TURTLES ON 04/01/93. ONE SUBADULT Cc WAS CAUGHT AND RELEASED ON 04/03/93.

C.O.E # DACW 21-93-C-0025

Bridge Watch Summary

Species	No. of animals	Comments
Tt	Aprox. 80	BOTTLENOSE DOLPHIN IN CHANNEL AREA

Observers On Duty:

ERIC WESTERMAN
SYDNEY PRINCE
DOUG KINZEY

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE MERMENTAU
Brunswick Harbor Entrance Channel
January 1993 - March 1993

DAILY REPORT

Date: 4 / 4 / 93 Loads: 58 - 63

Area Worked: Sta 150°° - 215°°, Buoy #8 - #10, Red Side

Conditions: cloudy, wind ~SE 10-15' kts, seas 2'-5', water temp 63°F

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

Comments: Still digging steep shoal of hard sand on the north side of the channel.

Biological sample primarily horseshoe crab, jellyballs and shell fragments - whelk and bivalve.

Trawler "Mary Ann" doesn't report any turtle take.

C.O.E # DACW 21-93-C-0025

Bridge Watch Summary

Species	No. of animals	Comments
Tt	(5-7)	Bottlenose Dolphin Behind Trawler

Observer(s) On Duty: Prince, Kinney

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE MERMENTAU
Brunswick Harbor Entrance Channel
January 1993 - March 1993

DAILY REPORT

Date: 4 / 5 / 93 Loads: 64 - 70

Area Worked: sta 150^{00} - 215^{00}, Buoys #8- #10 Red Side

Conditions: Intermittent T'storms,

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

Comments: Water Temp 63° F

Repaired Port Aft and Stbd Middle Discharge screening after load # 65. Should hold up well until the end of the job.

"Mary Ann" reports taking one loggerhead (caretta caretta) at 1541 hrs. Carapace long 55 cm (sub-adult).

C.O.E # DACW 21-93-C-0025

Bridge Watch Summary

Species	No. of animals	Comments
T+	(6-8)	BOTTLENOSE DOLPHIN IN CHANNEL AREA

Observer(s) On Duty: Slay, Kinzey

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE MERMENTAU
Brunswick Harbor Entrance Channel
January 1993 - March 1993

DAILY REPORT

Date: 04 / 06 / 93 Loads: 71-77

Area Worked: STA -150 +00 → -215 +00

Conditions: Cloudy Winds: NW 5-15 kts Seas <4', Temp: 54°-65°

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

Comments: Digging sandy material w/ some clay. Biological samples remain the same: crabs, shell & plant debris primarily - some small fish.

Tanker "Mary Ann" reports no turtles.

C.O.E # DACW 21-93-C-0025

Bridge Watch Summary

Species	No. of animals	Comments
T+	(6-8)	Bottlenose Dolphin in channel

Observer(s) On Duty: Sydney Prince Doug Kinzey

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE MERMENTAU
Brunswick Harbor Entrance Channel
January 1993 - March 1993

DAILY REPORT

Date: 04 / 07 / 93 Loads: 78-83

Area Worked: STA -150 +00 → -215 +00

Conditions: Mostly Cloudy, Winds Variable 5-10 kts Seas <3' Temp: 65°

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

Comments: Dredge is digging the last of the sand material. Biological samples found primarily in landing screens include: Horseshoe crab, Ribbon fish, Sea cucumber, Parchment casings, Bivalve shells & Sea grass.

"Mary Ann" reports no turtle sightings.

All screening is in good shape.

C.O.E # DACW 21-93-C 0025

Bridge Watch Summary

Species	No. of animals	Comments
Tt	Aprox. 5	Bottlenose Dolphin in channel area

Observer(s) On Duty: Doug Kinzel, Sylvine Prince

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE MERMENTAU
Brunswick Harbor Entrance Channel
January 1993 - March 1993

DAILY REPORT

Date: 04 / 08 / 93 Loads: 84

Area Worked: STA -150 too → -215 too

Conditions: PARTLY CLOUDY. NE 5-8 kts SEAS <2' Temp: 72°

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

Comments: DREDGE MERMENTAU FINISHED OPERATIONS TODAY & WAS AT DOCK @ 11:15. BIOLOGICAL SAMPLES FOUND IN FINAL LOAD INCLUDE: HORSESHOE CRAB, COMMONBALL JELLYFISH, SEA CUCUMBER, PARCHMENT CASING, BIVALVE SHELLS.

JOB COMPLETED w/ NO INCIDENTS

C.O.E # DACW 21-93-C-0025

Bridge Watch Summary

Species	No. of animals	Comments
T+	(6-8)	BOTTLENOSE DOLPHIN IN CHANNEL

Observer(s) On Duty: SYDNEY PRINCE

ENDANGERED SPECIES OBSERVER PROGRAM
DREDGE MERMENTAU
Brunswick Harbor Entrance Channel
January 1993 - March 1993

WEEKLY SUMMARY #3

Dates: 04 / 04 / 93 - 04 / 08 / 93 Loads: 58-84

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

Comments: FINAL OPERATIONS DURING WEEK #3 WENT SMOOTHLY. MERMENTAU FINISHED JOB AND WAS AT DOCK @ 11:15 on 04/08/93. BIOLOGICAL SAMPLES HAVE REMAINED THE SAME THROUGHOUT THE JOB & CAN BE REFERENCED on DAILY'S & PREVIOUS WEEKLY REPORTS. MOST OF THE SAMPLING WAS FOUND in LANDING SCREENS.

TRAWLER "MARY ANN" REPORTED TAKING ONE LOGGERHEAD on 04/05/93 @ 1541 HRS. CARETTA CARETTA (SUB ADULT) CARAPACE LENGTH 55 cm.

DREDGE OPERATIONS COMPLETED WITH NO INCIDENTS.

C.O.E # DACW 21-93-C-0025

Bridge Watch Summary

Species	No. of animals	Comments
T+	(30-35)	BOTTLENOSE DOLPHIN

Observers On Duty:

SYDNEY PRINCE
DOUG KINZEY
CHRIS SUTY