ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Savannah

PROJECT NAME: Brunswick Entrance Channel **DREDGE NAME:** BE. Litzenberg/m

Date: Feb 18 '05 **Load #s:** 1-4 **Areas dredge worked:** 16+500 → 21+836

Beaufort Sea State: 0 1 (2) 3 4 5 6 7 8 9 10 11 12

AIR TEMP: 57-59 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 49-50 °C/(°F) **Column (mid-depth)** — °C/°F **Bottom** (Good) °C/°F

Condition of deflector: Good **Condition of screening:** Good

Were there incidents involving endangered or protected species? YES ____ **NO** X*

Which species? (complete incident form(s)) ____

Comments (type of material, biological specimens, unusual circumstances, etc):

* Right whale sighted @ 1520 (see sighting sheet)
No incidents w/ sea turtles.
Material Dredged = sand, silt, mud
Biotic samples = conch, UNID snails, SEA WHIP,
Abiotic samples = wood

Transited from Tybee Island in AM - 1st load @ 1059

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name Jaclyn Daly, MEGHAN PIERCY

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

Vessel B.E. LINDHOLM

Project BRUNSWICK ENTRANCE CHANNEL

Date 2/18/05

Load # 2 Times: Start 1408 End 1421 Dump 1537
Location(lat/long) 31°04.464N X 81°17.251 Beau Sea State 2
Wind Direction SE Speed 5-10kts Cloud Cover(%) 5 H_2O Surf Temp 49

Start Sighting Time 1520 Vessel location (lat/long) 31°04.464 X 81°17.251
Magnetic bearing to sighting _____ Estimated distance 1 mile
Species observed E glacialis # of animals 1
Vessel's heading NE Animal's heading N

Estimated length of whale(s) CBD*
Coloration
Fins or flippers observed
Behaviors observed
Surfacing intervals (time and distance)

End Sighting Time 1530 Vessel location (lat/long) 31 02.753 N X 81°16.419W
Duration of observation 10 minutes

Comments (was whale's behavior effected by vessel? how far and in what direction did whale(s) move during observation? who was notified?)

Saw 2 shallow surfacings. Two tugs in tow in line with whale direction. Notified tugs of whale presence & laws. Whale traveling parallel w/ dredge about 1 mile off port beam on 1st surfacing. Travelling to NE of us on second surfacing. Also notified dredge RN weeks of sighting.
RWEWS pagers delivered tomorrow.

Observers on Duty: Jachyn Daly

*CBD = can not be determined

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: SAVANNAH

PROJECT NAME: SAVANNAH ENTRANCE CHANNEL DREDGE NAME: BE LINDHOLM

Date: February 19, 2005 Load #s: 5-11 (Areas dredge worked: Stations 16+500 - 21+836 31°06.49'N — 31°06.367'N 81°26.10'W — 81°26.588'W

Beaufort Sea State: (0) 1 2 3 4 5 6 7 8 9 10 11 12

AIR TEMP: 54-61 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 48-50 °C (°F) Column (mid-depth) _____ °C/°F Bottom _____ °C/°F

Condition of deflector: good Condition of screening: good

Were there incidents involving endangered or protected species? YES ____ NO X

Which species? (complete incident form(s)) N/A

Comments (type of material, biological specimens, unusual circumstances, etc):

There were no incidents with protected species and no sightings of large whales within a 15 mile radius of dredging operations.

Material dredged consists of sand, silt, mud.

Biota retained in screening included: 9 horseshoe crab, 2 blue crab, sea whip, and wood.

Scrap metal and one old cannon split in half was also retained by screening.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
07:12	Tursiops truncatus	1 / 1	buoy #19
07:35	Common Loon	1 / 1	between buoys 3+5
10:12	Tursiops truncatus	1 / 1	between buoys 11+13
10:12	Common Loon	1 / 1	between buoys 11+13
10:22	Common Loon	1 / 1	Between buoys 6+4
10:22	Black scoter	1 / 13	between buoys 6+4 flying north
12:45	Tursiops truncatus	1 / 1	31°07N 81°24W
14:20	Tursiops truncatus	1 / 2	31°07N 81°21W
14:25	Tursiops truncatus	1 / 8-10	31°07N 81°23W
16:00	Tursiops truncatus	1 / 1	31°04N 81°17°W
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Observer name Meghan Piercy, Jacklyn Daly

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE DISTRICT: SAVANNAH

PROJECT NAME: BRUNSWICK BAR CHANNEL - DREDGE NAME: BE LINDHOLM

Dates: 2/18/05 - 2/19/05 Load #s: 1-11

Areas dredge worked: Stations 16+500 - 21+836 31°06.49'N / 81°26.10'W — 31°06.367N / 81°26.588'W

Were there incidents involving endangered or protected species? YES ___ NO X

Which species? N/A

Comments: *One Right Whale was sighted on Feb. 18th. Slow bell was required that night until dawn on Feb 19th.

Dredge began project in Brunswick on the morning of Feb 18th (Cedar Hammock)

Biota retained in screens included: sea whip, 9 Horseshoe crab, 2 blue crab, gastropods and wood.

Scrap metal was also retained. One old cannon split into two parts was found in screening during load #6. Welder said he saw the butt end there in Savannah. M. Piercy, who recognized it in Brunswick, didn't notice it

BRIDGE WATCH SUMMARY

Date/Time	Species	# Sightings/# Animals	Location/Comments
Feb 19th 07:12-16:00	Tursiops truncatus	6 / 14-16	all along channel.
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Observer name MEGHAN PIERCY, JACLYN DALY

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Savannah

PROJECT NAME: Brunswick Entrance Channel DREDGE NAME: B.E. Lindholm

Date: 2/20 Load #s: 12 - 19 Areas dredge worked: 16+500 - 21+836

Beaufort Sea State: 0 1 (2) 3 4 5 6 7 8 9 10 11 12

AIR TEMP: 58-61 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 50 °C/(°F) Column (mid-depth) — °C/°F Bottom — °C/°F

Condition of deflector: GOOD Condition of screening: GOOD

Were there incidents involving endangered or protected species? YES ___ NO X

Which species? (complete incident form(s)) N/A

Comments (type of material, biological specimens, unusual circumstances, etc):

Right Whale sighting reported by NOAA57 aerial survey - 1 mom / 1 calf within 15 miles radius of dredging operation / transit - speed 5 kts at nighttime hours -

Dredged material is sand, silt.

Biota retained in screening included: 5 HS crab, sea whip, whelk egg cases, mantis shrimp.

Wood and scrap metal were also retained.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1325	T. truncatus	1 / 2	31°07'N 81°23'W
08:05	Tursiops truncatus	1 / 10-15	@ buoy # 7
09:30	Tursiops truncatus	1 / 5-10	@ buoy #9

Observer name Jaclyn Daly / Meghan Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 2 / 21 / 05

Project Name: Maintenance Dredging Brunswick **USACE District:** SAVANNAH

Dredge Name: B.E. LINDHOLM **Dredge Firm:** WEEKS MARINE

Contract # W912 HN 05-C-0002 **Maintenance** X / **New Work** ____

Load #s: 20 - 26 **Areas worked (stations, etc):** Stations 21+835 – 23+000, 16+500 – 21+835

Location, Lat/Long: N 31 (31) ° 06 (06) . 425 (490) x W 81 (81) ° 27 (26) . 510 (124)

Beaufort Sea State: 0 1 2 3 4 5 6 7 8 9 10 11 12

AIR TEMP: ____ °C / °F **Wind Direction and Speed** ____

WATER TEMP: Surface ____ °C / °F Column (mid-depth) ____ °C / °F Bottom ____ °C / °F

Condition of deflector: GOOD **Condition of screening:** GOOD

Were there incidents involving endangered or protected species? YES ____ NO X

Which species? (complete incident form(s)) N/A

Comments (type of material, biological specimens, unusual circumstances, etc):

* ONE NORTHERN RIGHT WHALE WAS SIGHTED FROM THE DREDGE UPON THE RETURN FROM LOAD #23. AERIAL SURVEY TEAM WAS NOTIFIED AND THEY SIGHTED A M/C PAIR AT GIVEN LOCATION. SEE WHALE OBSERVATION DATA SHEET. DREDGE SAILED A SLOW BELL ALL NIGHT.

Dredged material consists of sand and mud and silt.
Biota retained in screening include: 6 horse shoe crab, 2 blue crab and wood.
Shrimp net, rope and crab pot were also retained.

Jaclyn Daly was replaced by JIM DICKEY

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observers Names MEGHAN PIERCY, JIM DICKEY

Observer Firm COASTWISE CONSULTING

Endangered Species Observer Program

LARGE WHALE OBSERVATION DATA
(Append to Daily Report)

Date 2 / 21 / 05

Project Name: Brunswick Bar Channel USACE District: Savannah

Dredge Name: B.E. Lindholm Dredge Firm: Weeks Marine

WE WERE RETURNING FROM DUMPING LOAD #23

Load # 23-24 Times: Start _____ End _____ Dump _____

Location(lat/long) 31°06 N X 81°17 W Beau Sea State 2

Wind Direction SE Speed 10 knots Cloud Cover(%) 95% H_2O Surf. Temp 49°F

Start Sighting Time 13:38 Vessel location (lat/long) 31°04.581 X 81°17.509

Magnetic bearing to sighting NE Estimated distance 1.5 miles

Species observed Northern Right Whale # of animals 2 M/C pair

Vessel's heading NW Animal's heading NE or SW

Estimated length of whale(s) CBD

Coloration

Fins or flippers observed

Behaviors observed

Surfacing intervals (time and distance)

End Sighting Time 13:38 Vessel location (lat/long) 13°04.581 N X 81°17.509 W

Duration of observation Saw only one blow

Comments (was whale's behavior effected by vessel? how far and in what direction did whale(s) move during observation? who was notified?)

Whale did not appear to be affected by vessel.
Only observation was a perfect "V" shaped blow. With the wind blowing @ 10 knots, I estimate that the whale was moving directly into the wind or away from the wind, which was blowing in a SE direction. NOAA 57 aerial survey team was notified and found a mother/calf pair. @ 31°05.5 N, 081b.5 W

CBD = Cannot Be Determined.

Observers Names MEGHAN PIERCY

Observer Firm COASTWISE CONSULTING

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 02 / 22 / 05

Project Name: Brunswick Maintenance Dredging USACE District: SAVANNAH

Dredge Name: B.E. Lindholm Dredge Firm: WEEKS MARINE

Contract # W912HN05-C-002 Maintenance X / New Work ____

Load #s: 27 - 33 Areas worked (stations, etc): 16+500-21+835 21+835-23+000

Location, Lat/Long: N 31 ° 06 .425 (31 06 .358) x W 81 ° 27 .510 (81 26 .401)

Beaufort Sea State: 0 1 2 (3) 4 5 6 7 8 9 10 11 12

AIR TEMP: 71 °C / °F Wind Direction and Speed SE 10

WATER TEMP: Surface 50 °C / °F Column (mid-depth) ____ °C / °F Bottom ____ °C / °F

Condition of deflector: Good Condition of screening: Good

Were there incidents involving endangered or protected species? YES ____ NO X

Which species? (complete incident form(s)) ____

Comments (type of material, biological specimens, unusual circumstances, etc):

* Foggy early morning - aerial survey afternoon, no Right whale sightings.
Dredge material: sand, mud, silt
Biotic material: 6-horseshoe crabs, wood, 5-blue crabs
wood, plastic, cable were also restrained.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observers Names M. Piercy / J. Dickey

Observer Firm Coastwise Consulting

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 2 / 23 / 05

Project Name: Brunswick Deepening USACE District: Savannah

Dredge Name: B. E. Lindholm Dredge Firm: Weeks Marine

Contract # W912HN 05-C-002 Maintenance X / New Work ____

Load #s: 34 - 39 Areas worked (stations, etc): 16+500-21+835, 21+835-29+000, 18+000-19+0

Location, Lat/Long: N 31 ° 06 . 358 x W 81 ° 26 . 401

Beaufort Sea State: (0) 1 2 3 4 5 6 7 8 9 10 11 12

AIR TEMP: 61-68 °C / °F Wind Direction and Speed mostly calm

WATER TEMP: Surface 50 °C / (F) Column (mid-depth) ____ °C / °F Bottom ____ °C / °F

Condition of deflector: good Condition of screening: good

Were there incidents involving endangered or protected species? YES ____ NO X

Which species? (complete incident form(s)) N/A

Comments (type of material, biological specimens, unusual circumstances, etc):

Heavy fog prevented aerial survey, slow bell required at night. No northern right whales were sighted within 15 miles of dredging operations.

Biota retained in screens included: 4 Horseshoe crab, 4 blue crab, sea whip, sea pork, wood, clearnose skate,

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observers Names MEGHAN PIERCY / JIM DICKEY

Observer Firm COASTWISE CONSULTING

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 02 / 24 / 05

Project Name: Brunswick Maintenance USACE District: Savannah

Dredge Name: B.E. Lindholm Dredge Firm: Weeks Marine

Contract # W912 HN05-C-002 Maintenance X / New Work ____

Load #s: 40 - 45 Areas worked (stations, etc): 21+835-29+000 16+500-21+835, 1800-1900

Location, Lat/Long: N 31 ° 06 . 358 x W 81 ° 26 . 401

Beaufort Sea State: 0 (1) 2 3 4 5 6 7 8 9 10 11 12

AIR TEMP: 62-67 °C / °F Wind Direction and Speed S 5 - Calm

WATER TEMP: Surface 50 °C / (°F) Column (mid-depth) ____ °C / °F Bottom ____ °C / °F

Condition of deflector: Good Condition of screening: Good

Were there incidents involving endangered or protected species? YES ____ NO X

Which species? (complete incident form(s)) Ø

Comments (type of material, biological specimens, unusual circumstances, etc):

Heavy Fog This Morning - Slow Bell Tonight.
Northern Right whale sighting 1156 3102.47 8116.27 ¼-½ mi.
US. Navy FACS FAX JAX was Notified #416.
Material: Mud, Sand, Silt
Biota Restrained in screens: 5-horseshoe crabs, 3-Blue crabs
wood, 3-sea whips, 1-skate

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observers Names Meghan Piercy / Jim Dickey

Observer Firm Coastwise Consulting

Endangered Species Observer Program

LARGE WHALE OBSERVATION DATA
(Append to Daily Report)

Date 2 / 24 / 05

Project Name: BRUNSWICK MAINTENANCE USACE District: SAVANNAH
Dredge Name: B.E. LINDHOLM Dredge Firm: WEEKS MARINE

Load # 42 Times: Start 1015 End 1043 Dump 1203
Location(lat/long) 31° 02.3 N X 81° 16.1 N Beau Sea State 2-3
Wind Direction SW Speed 5-10 Cloud Cover(%) 100% H_2O Surf. Temp 50°F

Start Sighting Time 11:56 Vessel location (lat/long) 31°02.47 N X 81°16.27 W
Magnetic bearing to sighting 266° Estimated distance .25-.5 mile
Species observed Northern Right Whale # of animals 1
Vessel's heading 176° Animal's heading CBD

Estimated length of whale(s) CBD
Coloration
Fins or flippers observed
Behaviors observed
Surfacing intervals (time and distance)

End Sighting Time 11:56 Vessel location (lat/long) 31°02.47 N X 81°16.27 W
Duration of observation 1 BLOW ONLY

Comments (was whale's behavior effected by vessel? how far and in what direction did whale(s) move during observation? who was notified?) This sighting entailed one blow only. The blow was approximately 30' feet high. The dredge was heading toward the disposal area at the time of sighting. This whale may have been related to the sighting by observers on board the RN Weeks. The U.S. Navy FacsPacJax was notified of this sighting and assigned # 416.

Observers Names MEGHAN PIERCY
Observer Firm COASTWISE CONSULTING

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 2 / 25 / 05

Project Name: Brunswick Maintenance **USACE District:** Savannah

Dredge Name: B.E. Lindholm **Dredge Firm:** Weeks Marine

Contract # W912HN05-C-002 **Maintenance** X / **New Work** ____

Load #s: 46 - 51 **Areas worked (stations, etc):** 18+000 - 19+000, 16+500 - 21+835, 21+835 - 24+000, -14+000 - 17+000

Location, Lat/Long: N 31°06.399/81.26.388 and 31°06.760/81°21.280 x W ____ ° ____ . ____

Beaufort Sea State: 0 1 2 3 (4 5 6) 7 8 9 10 11 12

AIR TEMP: 54-60 °C / (°F) **Wind Direction and Speed** North at 15-20

WATER TEMP: Surface 50.5 °C / (°F) Column (mid-depth) ____ °C / °F Bottom ____ °C / °F

Condition of deflector: good **Condition of screening:** good

Were there incidents involving endangered or protected species? YES ____ NO X

Which species? (complete incident form(s)) N/A

Comments (type of material, biological specimens, unusual circumstances, etc):

There were no incidents with protected species.

Dredge sailed slow bell until 1400 hrs as a result of a whale sighting in area yesterday @ ≈ 1400 and beaufort sea state higher than 3.

Dredge sailed slow bell at night as a result of no aerial survey due to foul weather.

Biota retained in screening included: 4 Horseshoe Crab, sea whip, and wood.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
14:55	Tursiops truncatus	1 / 4	31°06.481 / 81°20.844
15:12	Tursiops truncatus	1 / 6	31°04.495 / 81°17.341
16:53	Tursiops truncatus	1 / 4	31°05.811 / 81°19.777
		/	
		/	

Observers Names MEGHAN PIERCY, JIM DICKEY

Observer Firm COASTWISE CONSULTING

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 02 / 26 / 05

Project Name: BRUNSWICK MAINTENANCE **USACE District:** SAVANNAH

Dredge Name: B.E. Lindholm **Dredge Firm:** WEEKS MARINE

Contract # W912HN05-C-002 **Maintenance** X / **New Work** ____

Load #s: 53-60 **Areas worked (stations, etc):** -14+000 - -17+000

Location, Lat/Long: N 31 ° 06 . 760 / 31 ° 06 . 462 x W 81 ° 21 . 782 / 81 ° 20 . 799

Beaufort Sea State: 0 1 2 3 (4) 5 6 7 8 9 10 11 12

AIR TEMP: 53-61 °C / (°F) **Wind Direction and Speed** NNE 15-20

WATER TEMP: Surface 50 °C / (°F) Column (mid-depth) ____ °C / °F Bottom ____ °C / °F

Condition of deflector: Good **Condition of screening:** Good

Were there incidents involving endangered or protected species? YES ____ NO X

Which species? (complete incident form(s)) N/A

Comments (type of material, biological specimens, unusual circumstances, etc):

MATERIAL: SAND, MUD

No INCIDENTS WITH ENDANGERED SPECIES.

BOTH RETAINED IN SCREENING: 2-HORSE CRABS, SKATE, WOOD

• aerial survey team did not call to notify dredge if survey was conducted or not.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings	# Animals	Location/Comments
1529	TURSIOPS TRUNCATUS	1	3	3105.194 - 8118.604
1611	TURSIOPS TRUNCATUS	1	10-15	3103.501 - 8117.062

Observers Names M. PIERCY, J. DICKEY

Observer Firm COASTWISE CONSULTING

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

Project Name: BRUNSWICK MAINTENANCE **USACE District:** SAVANNAH

Dredge Name: B.E. Lindholm **Dredge Firm:** WEEKS MARINE

Contract # W912HN05-C-002 **Maintenance** X / **New Work** ____

DATES: 02/20/05 - 02/26/05 **LOADS #s:** 12 - 60

Areas worked (stations, etc): 18+000-19+000, 16+500-21+835, 21+835-24+000, -14+000- -17+000

Locations, **Lat/Long:** N 31 ° 06 .365 x W 81 ° 26.420
31 ° 06 .339 x W 81 ° 27 .388

Lat/Long: N 31 ° 06 .760 x W 81 ° 21 .782
31 06 .462 81 20 .799

Were there incidents involving endangered or protected species? YES ____ NO X

Which species? N/A

Comments: MATERIAL: SAND, SILT, MUD

THERE WERE NO INCIDENTS WITH ENDANGERED SPECIES.
BIOTA RETAINED IN SCREENING: WOOD, SCRAP METAL, CRAB, SEA WHIPS, SKATES, HORSESHOE CRABS, MANTIS SHRIMP, PLASTIC, ROCKS, ROPE, CABLE
NORTHERN RIGHT WHALE SIGHTINGS CALLED FOR SLOW BELL: 2/21, 2/24, 2/25 - SURVEY PLANE NOT FLYING

BRIDGE WATCH SUMMARY

Date/Time	Species	# Sightings	# Animals	Location/Comments
2/21-1338	Right Whale	1	1	3104.581-8117.509
2/24-1156	Right Whale	1	1	3102.471-8116.273
2/25 1455	TURSIOPS TRUNCATUS	1	4	3106.481-8120.844
1512	" "	1	6	3104.495-8117.341
1653	" "	1	4	3105.811-8119.777
2/26 1529	" "	1	3	3105.194-8118.604
1611	" "	1	1045	3103.501-8117.062

Observers Names MEGHAN PIERCY, JIM DICKEY

Observer Firm COASTWISE CONSULTING

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 02 / 27 / 05

Project Name: BRUNSWICK MAINTENANCE **USACE District:** SAVANNAH

Dredge Name: B.E. LINDHOLM **Dredge Firm:** WEEKS MARINE

Contract # W912HN05-C-002 **Maintenance** X / **New Work** ____

Load #s: 61 - 66 **Areas worked (stations, etc):** Stations -14+000 - 17+000

Location, Lat/Long: N 31 ° 06 . 462 (31 06 760) x W 81 ° 20 . 799 (81 21 782)

Beaufort Sea State: 0 1 2 3 (4 5 6) 7 8 9 10 11 12

AIR TEMP: 58-63 °C / (°F) **Wind Direction and Speed** NE-SE @ 20-30 knots

WATER TEMP: Surface 50 °C / (°F) **Column (mid-depth)** ____ °C / °F **Bottom** ____ °C / °F

Condition of deflector: GOOD **Condition of screening:** GOOD

Were there incidents involving endangered or protected species? YES ____ NO X

Which species? (complete incident form(s)) N/A

Comments (type of material, biological specimens, unusual circumstances, etc):

Dredged material is sand.
Biota retained in screening included: flounder & Horseshoe Crab.
Upon completion of load # 66, dredge went to anchorage in response to foul weather and seas.
Jim Dickey was replaced by Irene Briga

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observers Names MEGHAN PIERCY, IRENE BRIGA, JIM DICKEY

Observer Firm COASTWISE CONSULTING,

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 02/28/05

Project Name: BRUNSWICK MAINTENANCE **USACE District:** SAVANNAH

Dredge Name: B.E. LINDHOLM **Dredge Firm:** WEEKS MARINE

Contract # W912HN05-C-002 **Maintenance** X / **New Work** ____

Load #s: 67 - 71 **Areas worked (stations, etc):** 14 000 - 17 000 SECTION 3

Location, Lat/Long: N 31 ° 06 . 502 (414) x W 81 ° 20 . 842 (656)

Beaufort Sea State: 0 1 (2 3) 4 5 6 7 8 9 10 11 12

AIR TEMP: 55-64 °C/(°F) **Wind Direction and Speed** NE & NW @ 10-20 KTS.

WATER TEMP: Surface 50-51 °C/(°F) **Column (mid-depth)** ____ °C/°F **Bottom** ____ °C/°F

Condition of deflector: Good **Condition of screening:** Good

Were there incidents involving endangered or protected species? YES ____ NO X

Which species? (complete incident form(s)) ____

Comments (type of material, biological specimens, unusual circumstances, etc):

- ∅ incidents ∅ sightings of any seaturtles or large whales
- Pager reports out of vessel's slow bell range (within 15 mi.) sighting near 30°07'N 80°48'W - 3 dolphins
- Dredged material: primarily sand.
- Biota: 2 Blue crabs; approx. 14 Horseshoe Crabs; whelk, oyster, cockle shells
- Debris: minimal - includes plastics, cable line, cloth

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
08:55	Tursiops truncatus	2 / 1	31°06.414N 81°20.656W
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		/	
		/	
		/	
		/	
		/	

Observers Names Irene Briga, Meghan Piercy

Observer Firm Coastwise Consulting

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 03 / 01 / 05

Project Name: Brunswick Deepening **USACE District:** Savannah

Dredge Name: B. E. Lindholm **Dredge Firm:** Weeks Marine

Contract # W912HN05-C-002 **Maintenance** X / **New Work** ____

Load #s: 72 - 78 **Areas worked (stations, etc):** Stations 147+000 - 177+000

Location, Lat/Long: N 31 ° 06 . 502 (414) x W 81 ° 20 . 842 (656)

Beaufort Sea State: 0 1 2 3 4 5 6 7 8 9 10 11 12

AIR TEMP: 56-62 °C / °F **Wind Direction and Speed** WNW, W @ 15-40 knots

WATER TEMP: Surface 50.8 °C / °F Column (mid-depth) ____ °C / °F Bottom ____ °C / °F

Condition of deflector: good **Condition of screening:** good

Were there incidents involving endangered or protected species? YES ____ NO X

Which species? (complete incident form(s)) N/A

Comments (type of material, biological specimens, unusual circumstances, etc):

- There were no incidents with Protected species and no sightings of large whales within a 15 mile radius of dredging operations.
- Aerial survey team never called to confirm whether or not they flew, so dredge ~~[illegible]~~ sailed normal speeds at night.
- Dredged material is sand.
- Biota retained in screenings included 8 horseshoe crab, 1 blue crab.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
09:20	Tursiops truncatus	3 / 5-6	31°06.653N / 81°21.068W - porpoising
09:51	" "	1 / 2	31°03.987N / 81°16.422W - Feeding
10:24	" "	1 / 4-6	31°03.647N / 81°16.890W - Feeding (may be repeats)
		/	
		/	
		/	
		/	

Observers Names Meghan Piercy, Irene Briga

Observer Firm Coastwise Consulting

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 03 / 02 / 05

Project Name: Brunswick Deepening **USACE District:** Savannah

Dredge Name: B.E. Lindholm **Dredge Firm:** Weeks Marine

Contract # W912HNOS-C-002 **Maintenance** X / **New Work** ____

Load #s: 79 - 85 **Areas worked (stations, etc):** SECTIONS 3&4 -20+500 To -31+00

Location, Lat/Long: N 31 ° 06 . 616 x W 81 ° 21 . 303

Beaufort Sea State: 0 1 2 (3) 4 5 6 7 8 9 10 11 12

AIR TEMP: 43-60 °C / (°F) **Wind Direction and Speed** 10-20 Kts NW

WATER TEMP: Surface 54.5 °C / (°F) Column (mid-depth) 50.4 °C / (°F) Bottom _____ °C / °F

Condition of deflector: good **Condition of screening:** good

Were there incidents involving endangered or protected species? YES X NO ____

Which species? (complete incident form(s)) Caretta caretta - juvenile / incident form attached

Comments (type of material, biological specimens, unusual circumstances, etc):

- Dredged material: primarily sand - some mud and silt included.
- 1 incidental take of a Caretta caretta (loggerhead) sea turtle in screening of forward lander in load 81+82 (same individual). MARK Dodd of Georgia DNR was sent specimen .. See Incidental Take Form.
- Biota: 34 Horseshoe crabs, 2 Blue crabs, 1 Rock crab, 1 sea star, 1 eel, 1 clearnose skate, 1 sm. 1½' sand shark, sea whips and shells which include: whelk, scallop, clam, pen, cockle and oyster
- Debris: plastics, wood, wire, line, net, metal
- Slow Bell was observed. Right whale spotted from NOAA-57 aerial survey (within 15 mn. radius)

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
12:50	Tursiops truncatus	1 / 2	N31° 06.466 W81° 21.834
		/	
		/	
		/	
		/	
		/	
		/	

Observers Names Irene Briga, Meghan Piercy

Observer Firm Coastwise Consulting

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 03 / 03 / 05

Project Name: Brunswick Maintenance **USACE District:** Savannah

Dredge Name: B.E. Lindholm **Dredge Firm:** Weeks Marine

Contract # W912 HN05-C-002 **Maintenance** X / **New Work** ____

Load #s: 86 - 92 **Areas worked (stations, etc):** -20+500 To -31+00 SECTIONS 3 & 4

Location, Lat/Long: N 31 ° 05 . 995 x W 81 ° 19 . 912

Beaufort Sea State: 0 1 (2) 3 4 5 6 7 8 9 10 11 12

AIR TEMP: 53-56 °C / (°F) **Wind Direction and Speed** NNW - NW 5-15 KTS.

WATER TEMP: Surface 53-54 °C (°F) **Column (mid-depth)** 50.3 °C (°F) **Bottom** ____ °C / °F

Condition of deflector: good **Condition of screening:** good

Were there incidents involving endangered or protected species? YES ____ NO X

Which species? (complete incident form(s)) ____

Comments (type of material, biological specimens, unusual circumstances, etc):

- material Dredged: primarily sand with mud and silt
- Biota: approx. 70 Horseshoe crabs, 3 sea stars, 2 spider crabs, whelk egg cases, 1 skate, approx. 5 Blue crabs, sand dollars and various shells (whelk, oyster, scallops, cockle, pen)
- an abundance of wood along with plastics, cloths, nylon and rubber debris
- There were no incidents involving any protected species or Lg whales.
- Slow Bell observed for 12 hours.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
10:40	Tursiops truncatus	1 / 3	N31°05.693 / W81°19.435
14:54	" "	1 / 2	N31°06.023 / W81°19.82
		/	
		/	
		/	
		/	
		/	

Observers Names Irene Briga, Meghan Piercy

Observer Firm Coastwise Consulting

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

Project Name: Brunswick Maintenance **USACE District:** Savannah

Dredge Name: B.E. Lindholm **Dredge Firm:** Weeks Marine

Contract # W 912 HND5-C-002 **Maintenance** X / **New Work** ____

DATES: 02/27/05 - 03/04/05 **LOADS #s:** 61 - 94

Areas worked (stations, etc): SECTIONS: 3 and 4 / -20+500 to -31+000 / -14+000 to 17+000

Locations, Lat/Long: N 31 ° 05 . 995 x W 81 ° 19 . 912

Lat/Long: N 31 ° 06 . 462 x W 81 ° 20 . 799

Were there incidents involving endangered or protected species? YES X NO ____

Which species? • 1 Caretta caretta (Loggerhead sea turtle) See 03-02-05 daily with attached Incidental Take Data form. Specimen sent to Mark Dodd at Georgia DNR.

Comments:

• Material dredged was primarily sand with a small amount of mud and silt.

• Biota: Approx. 151 Horseshoe Crabs, approx. 10 Blue crabs, 3 sea stars, 2 spider crabs, 1 Rock crab, 1 flounder, eel, sea whips, whelk egg cases, sea cucumber and various shells which include: whelk, scallop, olive, oyster, cockle and clam

• Brunswick Maintenance completed on 03/04/05.
• Irene Briga replaced J. Dickey on 02/27/05.

BRIDGE WATCH SUMMARY

Date/Time	Species	# Sightings	# Animals	Location/Comments
02/28/05 @ 08:55	Tursiops truncatus	2	1	31° 06.414 N 81° 20.656 W
03/01/05 @				
09:20		3	5-6	31° 06.653 N / 81° 20.068 W } feeding w/ gannets. Some may be repeats
09:51		1	2	31° 03.987 N / 81° 16.422 W
10:24		1	4-6	31° 03.647 N / 81° 16.890 W
03/02/05 @ 12:50		1	2	31° 06.466 N / 81° 21.834 W
03/03/05 @				
10:40		1	3	31° 05.693 N / 81° 19.82 W
14:54		1	2	31° 06.023 N / 81° 19.82 W

Observers Names Irene Briga, Meghan Piercy

Observer Firm Coastwise Consulting

B.E. LINDOLM Slow Bell Tally at Brunswick Channel
2005

date	hours at slow bell	slow bell?	reason for slow bell	aerial survey conducted?	NOTES
2/18/2005	12	YES	right whale spotted from dredge	YES	
2/19/2005	0	NO	NORMAL SPEED	YES	No whales within 15 mile radius of dredging operations
2/20/2005	12	YES	right whale spotted from NOAA57 aerial survey	YES	
2/21/2005	12	YES	right whale spotted from dredge	YES	
2/22/2005	0	NO	NORMAL SPEED	YES	No right whales spotted within 15 mile radius of dredging operations
2/23/2005	12	YES	FOG- no aerial survey	NO	
2/24/2005	12	YES	FOG- no aerial survey	NO	right whale reported within 15 mile radius via FACS FAX JAX at 13:58
2/25/2005	19	YES	FOG- no aerial survey AND right whale sighting within 15 mile radius of dredging operations reported on FACS FAX JAX on 2/24	NO	dredge sailed slow bell until 14:00 hours due to whale sighting at 13:58 on 2/24 and Beaufort Sea States higher than 3
2/26/2005	12	YES	right whale spotted from NOAA57 aerial survey	YES	
2/27/2005	0	NO	dredge went to anchorage all night due to high seas at disposal area	NO	dredge was at anchor during night hours
2/28/2005	0	NO	NORMAL SPEED	YES	No right whales within 15 mile radius of dredging operations
3/1/2005	0	NO	NORMAL SPEED	UNK	no call from aerial survey team
3/2/2005	12	YES	right whale spotted from NOAA57 aerial survey	YES	whale within 15 mile radius of dredging operations
3/3/2005	12	YES	right whale reported on FACSN FAX JAX	YES	whale within 15 mile radius of dredging operations
					last day...no dredging operations after 0600
TOTAL	115				