ENDANGERED SPECIES OBSERVER PROGRAM

Dredge B.E. Lindholm

Project Savannah, GA.

DAILY REPORT

Date: 12 / 30 / 00 Loads: 1-6

Area(s) Worked 0+00 - 3+00 / 7+500 - 10+500

Weather Conditions (incl. sea conditions) Clear, wind W/NW 10-20KTS, sea 2-4'

Range of Water Temp., Surface 49° Below Mid-Depth 48°

Condition and Effectiveness of Screening Good

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

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

Material being dredged is sand, silt & mud

Abiotic material seen was wood, rock, shell, rope, steel & other trash

Biological by-catch was blue crab, horse shoe crab (6), & various small fish.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
/		

Observer(s) on Duty: Andrew Jackson / Chris Carroll

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge B.E. LINDHOLM

Project SAVANNAH. GA

DAILY REPORT

Date: 12/ 31 / 00 Loads: 7 - 13

Area(s) Worked $0^{+000} \rightarrow 3^{+000}$ / $7^{+500} \rightarrow 10^{+500}$

Weather Conditions (incl. sea conditions) Clear Cold, 2'-3', NNW 10-20

Range of Water Temp., Surface 48-47°F Below Mid-Depth 47-46°F

Condition and Effectiveness of Screening SCREENING IS EFFECTIVE

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

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

Material remains to be Silt Sand Mud Clay.
Bycatch includes: Horseshoe Crabs
Blue Crabs
Spot tail
Mantis Shrimp
Eel

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Tt	3	1648 / Channel / Outbound.

Observer(s) on Duty: MEGHAN PIERCY / CHRIS CARROLL

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge BE Lindholm

Project Savannah, Ga

WEEKLY SUMMARY

Date: 12 / 30 / 00 - 12/ 31 / 2000 Load Numbers 1 - 13

Range of Water Temp., Surface 49-48 °F Below Mid-Depth 48°F

Areas Worked (lat/longs, stations) 0+000 → 3+000 / 7+500 → 10+500

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

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

Material consists of Silt, Sand, Mud, Rock, Clay. Screening is in good condition. No sightings of whales or turtles.

By catch includes: Horseshoe Crabs
Blue Crabs
Spot Tail
Mantis Shrimp
Eel

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
12/30	1200 (3) 1823 HRS	Out bound swimming
01/31	TE (3) 1648 HRS	
/		
/		
/		
/		
/		

Observer(s) on Duty: Chris Carroll / Meghan Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge BE Lindholm

Project Savannah, Ga

DAILY REPORT

Date: 01 / 01 / 2001 Loads: 14 - 21

Area(s) Worked $0^{+000} \rightarrow 3^{+000}$ / $7^{+500} \rightarrow 10^{+500}$

Weather Conditions (incl. sea conditions) Clear, Calm, 1-2', NW-W 8-10,

Range of Water Temp., Surface 47°F Below Mid-Depth 46°F

Condition and Effectiveness of Screening Good

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

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

Silt, Sand, Mud, Clay. By-catch includes: Spider Crab.
Horseshoe Crab
Blue Crab.
wood

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Tt	4	1530 / Channel / Bow riding
Tt	3/8/2	1448/1238/0950 Channel Swimming + Bow Surfing

Observer(s) on Duty: Chris Carroll / Meghan Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge BE Lindholm

Project SAVANNAH, GA

DAILY REPORT

Date: 01 / 02 / 2001 Loads: 22 thru 28

Area(s) Worked $0^{+000} \rightarrow 3^{+00}$ / $7^{+500} \rightarrow 10^{+60}$

Weather Conditions (incl. sea conditions) Clear, 1-2', NW 8

Range of Water Temp., Surface 47°F - 48°F Below Mid-Depth 46°F

Condition and Effectiveness of Screening Good

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

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

Mud, Silt, Sand, Clay. Screening Effective

By catch includes: Moonsnail
Whelk Shells
Horse Shoe Crab
Blue Crab
Mullet
Clams
Oysters

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ft	(4) 2x	0755/0830 / 3 ADULTS, 1 SMALL CALF @ Buoy 14
Ft	(8) 2x	1300 1428 / in Channel Bow riding
Common Loon	(1)	0740 / winter plumage, flying north
Ft.	(4)	0830 / inside jetties

Observer(s) on Duty: Chris Carroll, Meghan Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge B E Lindholm

Project Savannah Ga

DAILY REPORT

Date: 01 / 03 / 2001 Loads: 29 thru 34

Area(s) Worked $0^{+000} \rightarrow 3^{+000}$ / $7^{+500} \rightarrow 10^{+500}$ & $11^{+000} \rightarrow 18^{+500}$

Weather Conditions (incl. sea conditions) Clear (Pt. Cldy), 1'-3', NNW 0-8 mph, 19°-46°F

Range of Water Temp., Surface 40°F-43°F Below Mid-Depth 38°-39°F

Condition and Effectiveness of Screening Good!

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

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

Material remains the same (Sand silt mud, clay). No By-catch this day

No Turtles or Whales sighted this day

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Tt	2/3	1358/1420 Channel / Bow riding

Observer(s) on Duty: Chris Carroll / Meghan Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge BE LINDHOLM

Project SAVANNAH, GA

DAILY REPORT

Date: 01 / 04 / 2001 Loads: 35 thru 41

Area(s) Worked $11^{+000} \rightarrow 18^{+500}$ / $7^{+500} \rightarrow 10^{+500}$ / $0^{+000} + 3^{+000}$

Weather Conditions (incl. sea conditions) Clear, 1-3', NNW 3-6

Range of Water Temp., Surface 40°F Below Mid-Depth 39°F

Condition and Effectiveness of Screening Good

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

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

Material remains the same (mud, sand, silt, clay + rocks)

Bycatch: Horse shoe crabs
Spider Crab
mudlet
Blue Crab
Eel
whelk

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Tt	Many throughout day	Varied / Channel Dumpsite / Bounding Feeding Socializing

Observer(s) on Duty: Chris Carroll, Meghan Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge B.E. Lindholm

Project Savannah, Ga

DAILY REPORT

Date: 01 / 05 / 01 Loads: 42 thru 47

Area(s) Worked 11+000 → 18+500

Weather Conditions (incl. sea conditions) Clear, 1-3', SE 3-8

Range of Water Temp., Surface 43°F Below Mid-Depth 43°F

Condition and Effectiveness of Screening Good

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

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

Material remains the same. Screening good. By catch included:

Horseshoe Crab

Whelk

Spot tail

Blue Crab.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Tt	10+/2/3/6/4	whole rule/1020/1353/1428/1643 - in Channel & in transit

Observer(s) on Duty: Chris Carroll/Meghan Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge BE LINDHOLM

Project SAVANNAH, GA.

DAILY REPORT

Date: 01 / 06 / 01 Loads: 48 thru 54

Area(s) Worked 11+000 ⇒ 18+500

Weather Conditions (incl. sea conditions) Clear, Calm 1-2', SE 3 6

Range of Water Temp., Surface 43-44°F Below Mid-Depth 43°F

Condition and Effectiveness of Screening Good

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

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

Material remains the same. By-catch : Whelk
Horseshoe Crab
Blue Crab.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Tc	Many	All the time / in Channel + Drags / Feeding + Socializing

Observer(s) on Duty: Chris Carroll / Meghan Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge BE LINDHOLM

Project SAVANNAH, GA

WEEKLY SUMMARY

Date: 01/31/01 - 01/06/01 Load Numbers 14 -

Range of Water Temp., Surface 49°-46°F Below Mid-Depth 48 - 40°F

Areas Worked (lat/longs, stations) $0^{+000} \Rightarrow 3^{+000}$ / $7^{+500} \Rightarrow 16^{+500}$ / $11^{+000} \Rightarrow 18^{+500}$

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

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

Material remains the same (Mud, sand, silt, clay). Screening is effective.

By catch includes: Horseshoe Crab
Blue Crab
Spider Crab
Moonsnail
Mullet
Spot tail
Whelk,

No Whales or turtles sighted during this period!

24 Hr Watch is in effect.

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
01/01	Tt (17) in and around channel, dig area, and >	"
01/02	Tt (24) Dump area.	"
01/02	Common Loon in winter plumage	Fly North over channel.
01/03	Tt (5)	in Channel + Dumpsite
01/04	Tt (Many throughout the Day)	"
01/05	Tt Many throughout the Day	in Channel + Dumpsite
01/06	Tt Many throughout the Day	in Channel + Dumpsite

Observer(s) on Duty: Chris Carroll / Meghan Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge B.E. Lindholm

Project Savannah Harbor Entrance Channel, GA

DAILY REPORT

Date: 01 / 07 / 01 Loads: 55-59

Area(s) Worked 11+000 — 18+500

Weather Conditions (incl. sea conditions) mostly clear + calm, light SSW winds

Range of Water Temp., Surface 43°F Below Mid-Depth 43°F

Condition and Effectiveness of Screening Good

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

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

There were no turtle takes or sightings of large whales today.

Material being dredged includes: mud, clay, sand and silt. A minimal amount of rock is also being dredged.

Biological specimens retained in screening included: 7 Horseshoe crabs, Whelks and Oysters and wood.

Non-biological objects included: rope, scrap metal, plastics, cloth, hose.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Tursiops truncatus	15-20 (at least)	all day long / in channel and @ disposal area.

Observer(s) on Duty: Meghan Piercy, Chris Carroll

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge B.E. Lindholm

Project Savannah Harbor Entrance Channel, GA.

DAILY REPORT

Date: 01 / 08 / 01 Loads: 60-65

Area(s) Worked Stations: $11+000 - 18+500$

Weather Conditions (incl. sea conditions) rain in A.M., clearing in P.M. southerly winds switching to NW

Range of Water Temp., Surface 46°F Below Mid-Depth 46°F

Condition and Effectiveness of Screening Good

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

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

There were no turtle takes or sightings of large whales today.

Dredged material continues to be composed of: mud, clay, sand, silt and a minimal amount of rock.

Biological specimens retained in screening included: 8 Horseshoe crabs, Blue crab, Whelks

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Tursiops truncatus	7/3	7 during cut of load 63/3 enroute to disposal of load 63
Tursiops truncatus	'many'	all afternoon/in & around channel/ feeding & socializing

Observer(s) on Duty: Meghan Piercy, Chris Carroll

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge B.E. Lindholm

Project Savannah Harbor Entrance Channel, GA

DAILY REPORT

Date: 01 / 09 / 01 Loads: 66 - 71

Area(s) Worked stations : 11+000 - 18+500.

Weather Conditions (incl. sea conditions) clear - overcast, NW winds @ 15-25, seas = 1-3

Range of Water Temp., Surface 44°F Below Mid-Depth 44°F

Condition and Effectiveness of Screening Good

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

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

There were no turtle takes or sightings of large whales today.

Material being dredged consists of: sand, silt, clay, mud and minimal rock.

Biological specimens retained by screening included: 2 Horseshoe Crabs, Whelks, Blue Crab and Wood.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Tursiops truncatus	30	all day/in & around channel/large & small/feeding & socializing

Observer(s) on Duty: Meghan Piercy, Chris Carroll

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge B.E. Lindholm

Project Savannah Harbor Entrance Channel, GA

DAILY REPORT

Date: 01 / 10 / 01 Loads: 72-80

Area(s) Worked Stations: 11+000 - 18+500 / 24+500 - 31+000

Weather Conditions (incl. sea conditions) clear-partly cloudy, NW-SW winds @ 5-25, seas = 1-3

Range of Water Temp., Surface 46°F Below Mid-Depth 46°F

Condition and Effectiveness of Screening Good

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

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

The Georgia DNR sighted a mother/calf pair of Northern Right Whales at 10:39 hours today. Their location was 31°50'N and 80°27'W, which is 16+ miles southeast of our area of operations, therefore no restrictions applied to night time operations.

Dredge moved to section 3 (24+500 - 31+000) at the start of load # 74. There the material consists of silt. Biological specimens retained in screening included: 5 Horseshoe Crabs, 1 Horse conch, Blue Crab, Whelks, Eels, Sea Stars & Wood. Scrap metal and plastics were also retained.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Tursiops truncatus	many	all day/ in channel & at disposal area.

Observer(s) on Duty: Meghan Piercy, Chris Carroll

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge B.E. Lindholm

Project Savannah Harbor Entrance Channel, G.A.

DAILY REPORT

Date: 01 / 11 / 01 Loads: 81 – 91

Area(s) Worked Stations: $24+500 - 31+000$

Weather Conditions (incl. sea conditions) overcast-p/c, light northerly (NE-NW) winds, seas = calm-3'

Range of Water Temp., Surface 47°F Below Mid-Depth 46°F

Condition and Effectiveness of Screening Good

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

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

There were no turtle takes and the only whales reported to FACSFAC were all further than 15 miles south of our area of operations.

Dredged material in this section (3) continues to be dark silt.

Biological specimens retained in screening included: 9 Horseshoe crabs, Horse conch, Whelks, Olive snail, 20+ sea stars, eels, panfish, Blue crab, and Wood.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Tursiops truncatus	2	9:00/ In channel at the cut
Tursiops truncatus	"many"	all during loads 86-89, in channel & at disposal site ↳ feeding and socializing

Observer(s) on Duty: Meghan Piercy, Chris Carroll

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge B.E. Lindholm

Project Savannah Harbor Entrance Channel, GA

DAILY REPORT

Date: 01 / 13 / 01 Loads: 103 – 113

Area(s) Worked Stations : $24+500 - 31+000$

Weather Conditions (incl. sea conditions) mostly cloudy, cold northerly winds w/ 5' seas, dying down in P.M.

Range of Water Temp., Surface 47°F Below Mid-Depth 47°F

Condition and Effectiveness of Screening Good

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

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

There were no sightings of large whales and no turtle takes today.

Dredged material consists of dark silt.

Biological specimens retained by screening included: 3 Horseshoe crabs and wood.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Tursiops truncatus	many	all day long/ in channel & at disposal / bowriding, socializing

Observer(s) on Duty: Meghan Piercy, Chris Carroll

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge B.E. Lindholm

Project Savannah Harbor Entrance Channel, GA.

WEEKLY SUMMARY

Date: 01/07/01 - 01/13/01 Load Numbers 55-113

Range of Water Temp., Surface 43°-47°F Below Mid-Depth 43°-47°F

Areas Worked (lat/longs, stations) stations: $11+000$ - $18+500$ / $24+500$ - $31+000$

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

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

There were no turtle takes and no whale sightings from the dredge, but on 1/10 the Georgia DNR spotted a mother/calf pair of Northern Right Whales @ 31°50'N and 80°27'W. They were nearly 17 miles southeast of our area of operations (beyond the 15 mi limit), thus no night time travel speed restrictions were imposed.

Material in section 2 (stations $11+000$ - $18+500$) consisted of sand, mud, silt, clay + some rock. Material in section 3 (stations $24+500$ - $31+000$) consisted of dark silt.

Biological specimens retained in screening included: 45 Horseshoe Crabs, Whelks, Oysters, Blue Crabs, Horse conchs, Eels, Sea Stars, Olive snails, Spottail, and wood.

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
01/07	Tursiops truncatus - 15-20	in channel & @ disposal area
01/08	Tursiops truncatus - "many"	all day / feeding & socializing
01/09	Tursiops truncatus - 30's	all day / dirge & small, feeding, Social
01/10	Tursiops truncatus - many	all day / in channel & at disposal
01/11	Tursiops truncatus - many	all day / " " , feeding & socializing
01/12	Tursiops truncatus - many	all day / in channel & @ disposal
01/13	Tursiops truncatus - many	all day / bow riding, socializing

Observer(s) on Duty: Meghan Piercy, Chris Carroll

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge BE LINDHOLM

Project SAVANNAH

DAILY REPORT

Date: 01 / 14 / 01 Loads: 114 thru 124

Area(s) Worked $32^{+500} \Rightarrow 39^{+00}$ / Section 4 - $24^{+500} \Rightarrow 31^{+000}$ / Sect 3

Weather Conditions (incl. sea conditions) sea Swell 1-4, NE 0-8, Cloudy

Range of Water Temp., Surface 47°F Below Mid-Depth 47°F

Condition and Effectiveness of Screening All screening is in good condition & effective

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

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

Material & Screening remains the Same

Moved on to new section, $32^{+500} \Rightarrow 39^{+000}$, and started dugging on load #119

No Whales or turtles sighted or taken during this day.

By-catch

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
TT	Many	all through daylight / Channel & Dump / Feeding & Socializing

Observer(s) on Duty: Chris Carroll / Meghan Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge BE LINDHOLM

Project SAVANNAH, GA.

DAILY REPORT

Date: 01 / 15 / 01 Loads: 125 - 132

Area(s) Worked $32^{+500} \Rightarrow 39^{+000}$ (Section 4)

Weather Conditions (incl. sea conditions) 1-4 sea swell, Fog → Clearing, E 3-6 to calm, Partly Cloudy.

Range of Water Temp., Surface 47°F Below Mid-Depth 47°F

Condition and Effectiveness of Screening All in good condition

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

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

No Turtles or whales seen this day

Heavy Fog covered area in the AM. & late PM.

GPS went down and there was down time

By-catch included: Horseshoe crabs
Starfish
Blue Crabs
Eels

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Te	many	All day. / Channel + Dump / Feeding + Socializing.

Observer(s) on Duty: C. CARROLL / M. PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge BE Lintham

Project SAVANNAH, GA

DAILY REPORT

Date: 01 / 16 / 01 Loads: 133 thru 138

Area(s) Worked 32+500 - 39+000

Weather Conditions (incl. sea conditions) NNE 3-10, 1-2 sea swell, Mostly Cloudy 59°-46°F

Range of Water Temp., Surface 48°F Below Mid-Depth 47°F

Condition and Effectiveness of Screening all screens in good condition + Screening is effective

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

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

Material has remained the same.

No Turtle or Whale sightings have been noted.

By-catch remains the same, consisting of: Horseshoe crab
Blue Crabs
Starfish
Eels
Whelk

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Tt	Many	all three loads / Channel + Dump / Feeding + Socializing

Observer(s) on Duty: C. Carroll / M. Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge BE LINDHOLM

Project SAVANNAH GA.

DAILY REPORT

Date: 01 / 17 /01 Loads: 139 thru 145

Area(s) Worked 32+500 → 39+00 (sect #4)

Weather Conditions (incl. sea conditions) NNE 6-12, 2'-3', Cloudy, Lt. Rain

Range of Water Temp., Surface 52°F Below Mid-Depth 52°F

Condition and Effectiveness of Screening Screening in good condition

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

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

No Whales or turtles seen during this day.

By catch includes: Horseshoe Crabs
Blue Crabs
Eels
Small Flounder
Whelk.

Material being dredged remains the same.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Tr	Many	all thru the day / Channel & Dump / Fed, Socializing

Observer(s) on Duty: C. Carroll / M. Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge BE LINDHOLM

Project SAVANNAH, GA

DAILY REPORT

Date: 01 / 18 / 01 Loads: 145 thru 151

Area(s) Worked $32^{+500} \rightarrow 39^{+000}$ (sect. #4)

Weather Conditions (incl. sea conditions) Foggy, 1'-2' seas,

Range of Water Temp., Surface 51°F Below Mid-Depth 49°F

Condition and Effectiveness of Screening Screening in Good condition.

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

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

No whales or turtles seen or taken this day. Material & Bycatch remains the same.

*PLEASE NOTE: Observer (M. Piercy) and Dragtender (Mark Freeman) spotted a Bottlenose Dolphin (1125HRS) in distress, tangled in a crab trap line around its tail. At 1130HRS USCG & Chris Slay of Coastwise Consulting were notified of the situation. C. Slay contacted Barb Zoodsma (1140HRS) from Georgia DNR, who in turn contacted Mike Scarsbrook to assist in the release of the animal. With assistance from the Weeks Dredging Crew Boat operator John Pittman & Weeks Field Eng. Mike Ward they were able to remove the line and set the dolphin free at approx 1240HRS. They stayed with the animal for approx 30 min to check it health. The animal swam away in weak but stable condition under it own power. Chris Slay & GA. DNR were notified of the successful rescue at approx. 1320HRS.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Tursiops truncatus	1	11:25 / caught in crab trap line @ Buoy #10 / Released 1240 HRS
T-t.	many	all day / Channel & Dump / Feeding & Socializing
Common Loon	57	All but 2 flying North during load #147.

Observer(s) on Duty: C. Carroll / M. Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge BE LINDHOLM

Project SAVANNAH, GA.

DAILY REPORT

Date: 01 / 19 / 01 Loads: 151 thru 157

Area(s) Worked 32+500 → 39+000 (SECT #4)

Weather Conditions (incl. sea conditions) SSE 6-22, 1-4', Partly Cloudy.

Range of Water Temp., Surface 52°F Below Mid-Depth 50°F

Condition and Effectiveness of Screening Screening is in good condition

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

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

No Whales or Turtles sighted this day. Material & Screening both remain the same.

Bycatch included: Whelks
Eels
Starfish
Spottail Bass
Horseshoe crabs
Blue Crabs.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Tt	Many	all day / Channel & Dump / Feeding Socializing & Bowriding

Observer(s) on Duty: C. Carroll / M. Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge BE LINDHOLM

Project SAVANNAH, GA

DAILY REPORT

Date: 01 / 20 / 01 Loads: 158 - 163

Area(s) Worked $32^{+500} \rightarrow 39^{+000}$ / Section #4

Weather Conditions (incl. sea conditions) W-WNW 20-30KTS., 2'-5' seas/choppy/ Cloudy, 57°- 38°F

Range of Water Temp., Surface 53°F Below Mid-Depth 50°F

Condition and Effectiveness of Screening Screening is in good condition.

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

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

Material & Screening remains the same. No Whales or turtles sighted this day.

By catch remains the same

Horseshoe

Whelk

Starfish

Eels

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Tt	3- 12	All during day / Channel & Dump / Feeding Socializing & Boarding

Observer(s) on Duty: C. Carroll / M. Pirey

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge B E LINDHOLM

Project SAVANNAH, GA.

WEEKLY SUMMARY

Date: 01 / 14 / 01 - 01 / 20 / 01 Load Numbers 114 thru 163

Range of Water Temp., Surface 47° - 53°F Below Mid-Depth 46° - 50°F

Areas Worked (lat/longs, stations) 24+500 → 31+000 (SECT 3) / 32+500 → 39+000 (SECT 4)

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

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

Material & Screening remains unchanged. Screening is still effective No Whales or turtles sighted this period. Completed digging in SECT. #3 and started in SECT #4. Material in both sections remains the same Horseshoe crabs, Blue crabs, whelk, eels, Spot tail Bass, Starfish Spider crabs.

On 1/18/01 a dolphin in distress was sighted (SEE ATTACHED) and untangled from a crab pot line with assistance from Weeks field engineer Mike Ward and crew boat operator John Pittman. Dolphin was released unharmed.

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
01/14 thru 01/18	Ft - many sightings every day of Week. common Loons sighted approx # 57 individuals	Feeding, Socializing, Bow riding Heading North
/		
/		
/		
/		
/		

Observer(s) on Duty: C. Carroll / M. Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge B.E. Lindholm

Project Savannah Harbor Entrance Channel, GA

DAILY REPORT

Date: 01 / 21 / 01 Loads: 164 - 169

Area(s) Worked stations: -32+500 — -39+000

Weather Conditions (incl. sea conditions) cold north winds @15-20, drying down ~~ips~~ Clear skies, seas = 2-4

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

Condition and Effectiveness of Screening Good. Chains on the T.E.D's were repaired.

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

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

There were no sightings of large whales and no turtle takes today.

Dredged material consists of sand and silt.

Biota retained in screening included: ≈ 20± Horseshoe crabs, Sea Stars, Eels, Blue crabs and wood.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Tursiops truncatus	3	08:10 / near buoy #8
Tursiops truncatus	5	12:48-13:20 / @ the cut, feeding + socializing
Tursiops truncatus	3	14:00 / @ the disposal area / swimming east
Tursiops truncatus	3	15:30 / @ the cut / bowriding

Observer(s) on Duty: Meghan Piercy, Chris Carroll

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge B.E. Lindholm

Project Savannah Harbor Entrance Channel, G.A.

DAILY REPORT

Date: 01 / 22 / 01 Loads: 170-175

Area(s) Worked section 4: stations 32+500 - 39+000

Weather Conditions (incl. sea conditions) Cold northerly winds @ 15-35, seas: 4-8', clear/overcast sky

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

Condition and Effectiveness of Screening Good condition

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

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

There were no turtle takes and no sightings of large whales.

Dredged material is sand + silt.

Biota retained in screening included 21+ Horseshoe crabs, eels, sea stars, Blue crabs & wood.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Common Loon	4	09:00 @ disposal area

Observer(s) on Duty: Meghan Piercy, Chris Carroll

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge B.E. Lindholm

Project Savannah Harbor Entrance Channel, GA

DAILY REPORT

Date: 01 / 23 / 01 Loads: 176-182

Area(s) Worked section 4: Stations -32+500 — -39+000

Weather Conditions (incl. sea conditions) High North winds (NE) @ 25-35, seas = 4-8, Heavy rain till dawn, clearing

Range of Water Temp., Surface 52°F Below Mid-Depth 52°F

Condition and Effectiveness of Screening Good Condition

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

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

There were no turtle takes and no sightings of large whales.

Dredged material consists of sand and some silt.

Biota retained in screening included: 10+ Horseshoe crabs, Skate, Sea stars, Spider crab.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Common Loon	7	0830/ @ disposal area

Observer(s) on Duty: Meghan Piercy, Chris Carroll

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge B. E. Lindholm

Project Savannah Harbor Entrance Channel, GA.

DAILY REPORT

Date: 01 / 24 / 01 Loads: 183 – 187

Area(s) Worked Section 4: Stations -32+500 – -39+000

Weather Conditions (incl. sea conditions) ENE winds shifting to southerly, seas calming w/ a 3' swell.

Range of Water Temp., Surface 51°F Below Mid-Depth 51°F

Condition and Effectiveness of Screening Good. ~ Chains on starboard TED need a few shackles.

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

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

There were no sightings of large whales and no turtle takes today.

Dredged material is fine sand.

Biota retained in screening included: 17 Horseshoe crabs, Blue crab, sea stars, sea pork, eels and wood.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Common Loon	7	13:00/ near buoy #3
Tursiops truncatus	7	14:00/ @ the cut

Observer(s) on Duty: Meghan Piercy, Chris Carroll

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge B.E. Lindholm

Project Savannah Harbor Entrance Channel, GA.

DAILY REPORT

Date: 01 / 25 / 01 Loads: 188-189

Area(s) Worked section 4: Stations - 32+500 - 39+000

Weather Conditions (incl. sea conditions) NNE 5-15, 2-3, Clear, 52°F - 31°F

Range of Water Temp., Surface 53°F Below Mid-Depth 52°F

Condition and Effectiveness of Screening Good Condition

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

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

No whales or turtles seen or taken this day. After load 188 which ended 0407 Hrs. and then proceeded to refuel in Savannah. Dredging commenced at 1925 HRS which was load 189. that was the only loads for the day.

By catch has remained the same. Horseshoe Crabs
Starfish
Eels

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
0		

Observer(s) on Duty: C. Carroll / M. Seiray

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge B.E. Lindholm

Project Savannah Harbor Entrance Channel, GA

DAILY REPORT

Date: 01 / 26 / 01 Loads: 190-196

Area(s) Worked Section 4: stations -32+500 - -39+000

Weather Conditions (incl. sea conditions) NE winds shifting to SW @ 5-15, seas = 1-3, clear sky

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

Condition and Effectiveness of Screening Good condition

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

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

There were no sightings of large whales and no turtle takes today.

Dredged material is fine sand and a few balls of clay.

Biota retained in screening included: Horseshoe crabs, Blue crabs, eels and whelks

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Tursiops truncatus	3	17:00 / @ the cut

Observer(s) on Duty: Meghan Piercy, Chris Carroll

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge B.E. Lindholm

Project Savannah Harbor Entrance Channel, GA

DAILY REPORT

Date: 01 / 27 / 01 Loads: 197 - 202

Area(s) Worked section 4: stations -32+500 - -39+000

Weather Conditions (incl. sea conditions) southerly light winds, overcast turning to clear in early AM, seas 1-3'

Range of Water Temp., Surface 51°F Below Mid-Depth 51°F

Condition and Effectiveness of Screening Good Condition

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

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

There were no turtle takes and no sightings of large whales.

Dreded material is fine sand and small amount of clay.

Biota retained in screening included: 7 Horseshoe crabs, whelks and eels.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Tursiops truncatus	1	15:15 / between buoys 8+10/ swimming outbound

Observer(s) on Duty: Meghan Piercy, Chris Carroll

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge B.E. Lindholm

Project Savannah Harbor Entrance Channel

WEEKLY SUMMARY

Date: 01 / 21 / 01 - 01 / 27 / 01 Load Numbers 164-202

Range of Water Temp., Surface 51°-54°F Below Mid-Depth 51°-54°F

Areas Worked (lat/longs, stations) section 4: stations - 32+500 - 39+000

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

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

There were no turtle takes and no sightings of large whales from this area of operations.

Dredged material consists of fine sand, silt and clay on the last 2 days.

Biota retained in screening is minimal and consists of: approximately 75 Horseshoe crabs, eels, whelks, blue crabs, sea stars, sea fork & wood.

The dredge refueled in Savannah between loads 188-189 on 01/25.

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
01/21	Tursiops tryncatus - 14	@ the cut, bowriding & socializing
01/22	Common Loon - 4	@ disposal area
01/23	Common Loon - 7	@ disposal area
01/24	Common Loon - 7 / Tursiops truncatus - 7	near buoy 3 / @ the cut
01/25	Ø	
01/26	Tursiops truncatus - 3	@ the cut
01/27	Tursiops truncatus - 1	@ the cut, swimming outbound

Observer(s) on Duty: Meghan Piercy, Chris Carroll

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge BE Lindholm

Project Savannah, Ga

DAILY REPORT

Date: 01 / 28 / 01 Loads: #203 through #210

Area(s) Worked Section #4 Cleanup $32^{+500} \rightarrow 39^{+000}$

Weather Conditions (incl. sea conditions) SE 6-10 1-3' seas, Clear

Range of Water Temp., Surface 51°F Below Mid-Depth 49°F

Condition and Effectiveness of Screening Screening condition & Effectiveness remains unchanged.

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

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

No Whale or turtle sightings. Material & Screening remain unchanged.

By catch also remains the same, with Horseshoe crabs, Eels, Blue crabs Whelk.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) on Duty: C. Carroll / M. Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge BE Lindholm

Project Savannah, Ga

DAILY REPORT

Date: 01 / 29 / 01 Loads: 211 → 216

Area(s) Worked Section #4 (Cleanup) $32^{+500} \rightarrow 39^{+000}$

Weather Conditions (incl. sea conditions) SE 6-12, 1-2' seas, Pt Cloudy to Cloudy.

Range of Water Temp., Surface 50°F Below Mid-Depth 48° F

Condition and Effectiveness of Screening Screening condition & effectiveness remains the same

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

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

No whales seen. No turtles taken.

Material remains the same.

By catch remains the same: Horseshoe Crabs
Sea Stars
Whelks

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) on Duty: C. Carroll / M. Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge BE LINDHOLM

Project SAVANNAH, GA.

DAILY REPORT

Date: 01 / 30 / 01 Loads: 217-224

Area(s) Worked Section # 4 (clean up)

Weather Conditions (incl. sea conditions) SSE 6-12, 1'-4', Clear turning to Heavy Fog.

Range of Water Temp., Surface 50°F Below Mid-Depth 48°F

Condition and Effectiveness of Screening Screening in good conditions & effective

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

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

No Whales or turtles sighted.

Material & Screening remains the same

By catch included: Horseshoe crab.
Whelk
Starfish
Sea Pork

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) on Duty: C. Carroll / M. Percy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge BE LINDHOLM

Project SAVANNAH, GA.

DAILY REPORT

Date: 01 / 31 / 01 Loads: 225 - 231

Area(s) Worked Section # 4 (Clearup)

Weather Conditions (incl. sea conditions) SE 5 5-18, 1'-3', Cloudy w/ Sct. Rain

Range of Water Temp., Surface 50°F - 51°F Below Mid-Depth 49-50°F

Condition and Effectiveness of Screening Screening is in good condition + effective

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

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

No Whales or turtles seen during this period.

Material remains the same.

By catch also is the same consisting of : Horseshoe Crab.
Whelk
Eels
Flatfish

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) on Duty: C. Carroll / M. Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge BE Lindholm

Project Savannah, Ga

DAILY REPORT

Date: 02 / 01 / 01 Loads: 232 - 237

Area(s) Worked Section # 4 Clean up

Weather Conditions (incl. sea conditions) SW 1 - 5, Seas Calm, Cloudy & Overcast

Range of Water Temp., Surface 50°F Below Mid-Depth 50°F

Condition and Effectiveness of Screening Screening & Maintaining effectiveness & remains in good condition

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

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

No Whales or Turtles spotted this day

Material remains the same

By catch remains consistent: Horseshoe Crabs
Small Flounder
Skate
Sea Star

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) on Duty: C. Carroll / M. Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge BELLINGHAM

Project SAVANNAH, GA

DAILY REPORT

Date: 02/02/01 Loads: 238 - 244

Area(s) Worked Section 4 - clean up

Weather Conditions (incl. sea conditions) WSW 5-18, 1'-2', Mostly Cloudy.

Range of Water Temp., Surface 50°F Below Mid-Depth 49°F

Condition and Effectiveness of Screening Good condition & Effective

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

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

No whales or turtles spotted this day.

Material is still the same.

Very little trash.

By-catch remains the same: Horseshoe Crab
Blue Crab.
Whelk
Starfish

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
0		

Observer(s) on Duty: C. Carroll / M. Pierce

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge BE LINDHOLM

Project SAVANNAH, GA

DAILY REPORT

Date: 02 / 03 / 01 Loads: 245 - 250

Area(s) Worked Section 4 Clean up

Weather Conditions (incl. sea conditions) NNE 15-20 / 2-4' seas / Pt. cloudy

Range of Water Temp., Surface 50°F Below Mid-Depth 49°F

Condition and Effectiveness of Screening Good

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

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

No Whales or turtles spotted for this day

Material remains the same.

Biota remains the same: Horseshoe Crabs
Sea Stars
Sea Pork
Eels.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) on Duty: C. Carroll / M. Pirey

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge BE Lindholm

Project Savannah, GA.

WEEKLY SUMMARY

Date: 01/28/01 - 02/03/01 Load Numbers 203 - 250

Range of Water Temp., Surface 49°F - 50°F Below Mid-Depth 48°F → 49°F

Areas Worked (lat/longs, stations) Section #4 (Cleanup) STATIONS $32^{+500} \rightarrow 39^{+000}$

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

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

No turtle takes or Whale sightings this period.

Screening is effective, and in good condition.

Material remains the same.

By catch also remains the same: Horseshoe Crabs
Blue Crabs
Whelk
Sea Star
Sea Pork
Eels
Skate
Flounder (Flat fish)

Dredge finished its work in Savannah on 02/04/01 at 0400 hours with load #151 and headed to St. Simons Entrance channel after dumping #151.

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
___/___		
___/___		
___/___		
___/___		
___/___		
___/___		
___/___		

Observer(s) on Duty: C. Carroll / M. Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge BE Lindholm

Project Savannah, Ga

DAILY REPORT

Date 03 / 05 / 01 Loads: 254-263

Area(s) Worked Stations $365^{+00} \rightarrow 450^{+00}$

Weather Conditions (incl. sea conditions) SW 10-40, 3'-5' rough seas, Clear Sky

Range of Water Temp., Surface 62°F Below Mid-Depth 59°F

Condition and Effectiveness of Screening Good

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

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

Material Screening + By catch remains the same

By catch: Skates
Horseshoe Crabs (approx 20)
Spider Crabs
Sea Squirt
Sea Stars
Whelk

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) on Duty: C. Carroll / M. Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge BE Lindholm

Project Savannah Rental

DAILY REPORT

Date 03/04/01 Loads: 262-264 BRUNSWICK / 252-253 Savannah

Area(s) Worked Stations 16^{+00} > 21^{+250} BRUNSWICK / Stations 400^{+00} > 450^{+00}

Weather Conditions (incl. sea conditions) Variable SSE/SW, Cloudy, Lt. Rain, Thunder Storms, 1'-5'

Range of Water Temp., Surface 64°F Below Mid-Depth 62° F

Condition and Effectiveness of Screening Good Condition

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

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

No whales or turtles sighted this day. Material and screening remains the same for Brunswick, Ga. portion of work.

BE Lindholm completed Brunswick section of contract and relocated the dredge to complete a rental contract. Started at 1850 HRS

Bycatch remains the same.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) on Duty: C. Carroll / M. Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge BE Lindholm

Project Savannah, Ga

DAILY REPORT

Date 03 / 06 / 01 Loads: 264 > 274

Area(s) Worked $365^{+00} > 390^{+00}$ / $-34^{+00} > -45^{+00}$

Weather Conditions (incl. sea conditions) WSW 20-30, 1-5' seas, clear

Range of Water Temp., Surface 59°F Below Mid-Depth 58°F

Condition and Effectiveness of Screening Good

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

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

No sightings of turtles or Whales. Material remains the same. By-catch also remains unchange.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) on Duty: C. Carroll / M. Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge BE Lindholm

Project Savannah, Ga.

DAILY REPORT

Date 03 / 07 / 01 Loads: 275 - 282

Area(s) Worked -34+00 > -45+00

Weather Conditions (incl. sea conditions) W-WNW 5-20, 1'-3', Clear skies

Range of Water Temp., Surface 56°-55°F Below Mid-Depth 54°F

Condition and Effectiveness of Screening Good condition & effective.

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

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

Material still remains the same (sand, silt, mud). By catch remains the same: Horseshoe crabs, blue crabs, spider crabs eels, sea whip, Whelk, Horse conch, sea stars, cannonball jellies,

* Please NOTE: On load 275 a caretta caretta was taken in the mid lander, positive I.D. Captain, ACOE inspector and Field Eng. were Notified. TIME OF TAKE 0042HRS

* Please Note: On load # 282 a full turtle (Caretta caretta) was taken in the port drag arm. Positive I.D. Time of Take was 2010HRS. All concerned parties were notified Turtle Take sheets are attached to sheet. Dredge anchored after take and did not dump until 0910HRS Next Am.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Tt	25	1250/ all around the cut.

Observer(s) on Duty: L. Carroll / M. Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge BE Lindholm

Project Savannah Ga

DAILY REPORT

Date 03/08/01 Loads: 283-287

Area(s) Worked 400 too 430 too

Weather Conditions (incl. sea conditions) Clear skies, 1'-3', SSE VARIABLE 5-10

Range of Water Temp., Surface 58°F Below Mid-Depth 56°F

Condition and Effectiveness of Screening Good

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

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

No whales sighted or turtles taken this day

Material Screening and bycatch remains the same.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Tt	4	1505 / at the cut

Observer(s) on Duty: L. Carroll / M. Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge BE Lindholm

Project Savannah Ga

DAILY REPORT

Date 03 / 09 / 01 Loads: 288 - 290

Area(s) Worked 400+00 > 430+00

Weather Conditions (incl. sea conditions) SSE

Range of Water Temp., Surface 58°F Below Mid-Depth 56°F

Condition and Effectiveness of Screening Good

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

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

No Whales or turtles sighted this day

Material Screening & By catch remains the same

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) on Duty: C. Carroll / M. Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge BE Lindholm

Project SAVANNAH, GA

252 RPE 4.04

WEEKLY SUMMARY

Date: 03/04/01 - 03/09/01

Load Numbers BRUNSWICK 262-264 / SAVANNAH ~~284~~ 285-290

Range of Water Temp., Surface 55-64°F Below Mid-Depth 54-62°F

Areas Worked (lat/longs, stations) 400+00 > 450+00 / 365+00 > 390+00

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

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

Material remains consistant. Screening is in good condition. By catch remains the same as well. On 03/07/01 (2) Two Caretta caretta specimens were taken and ship went to anchor (2010). at 0906 HRS on 03/08/01 operation resumed for 24 hours

No other turtles were taken, job ended 03/09/01 at 0906 HRS

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
03/07	Tc / 25 / at the cut	
03/08	Tc / 4 / at the cut	
/		
/		
/		
/		
/		

Observer(s) on Duty: C. Carroll / M. Piercy