ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: B. E. Lindholm

Project: Savannah, Georgia

Date: 03/04/01

Load # ~~DA~~ 253 Start 2118 End 2248 Dump 2305

Location (lat/long, stations) stations 400+00 – 450+00 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) SW@10-15, seas=2-3, P/C

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead Ø Deflector OK

Stbd Draghead Ø Deflector OK

MID
- Inflow, Fore Whelks
- Inflow, MID Whelks
- Inflow, AFT Ø

SKIMMER 1 Hs crab

Port Overflow, Primary N/A

Stbd Overflow, Primary Ø

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.),

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: M. Piercy

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: B.E. Lindholm

Project: Savannah, Georgia

Date: 03/04/01

Load # # 252 Start 1850 End 2033 Dump 2055

Location (lat/long, stations) Stations 400+00 — 450+00 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) SW@10-15, seas = 2-4, P/c - overcast

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead Ø Deflector OK

Stbd Draghead Ø Deflector OK

MID
- Inflow, Fore 1 HS crab
- Inflow, MID Ø
- Inflow, AFT Ø

SKIMMER 1 HS crab, rubbery bryozoans

Port Overflow, Primary N/A

Stbd Overflow, Primary Ø

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.),

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: M. Piercy

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: B.E. Lindholm

Project: Savannah Ga (Rental)

Date: 03/05/01

Load # 8.254 Start 0000 End 0047 Dump 0107

Location (lat/long, stations) Stations 400+00 — 450+00 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) SW 25-40, 1'-4', Clear,

Water Temp., Surface Below Mid-Depth

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead Clear Deflector

Stbd Draghead Clear Deflector Clear

710 Inflow, Fore

Inflow, MID Whelks Horse shoe Crab

Inflow, AFT

SKIMMER 2 SKATES, Wood, sea stars

Port Overflow, Primary Ø

Stbd Overflow, Primary Ø

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.).

Material consists of Mud, silt, & sand. Screening remains the same. By-catch remains consistant:

Horseshoe crabs

Whelk

Sea stars

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: C. Carroll

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: BE LINDHOLM

Project: SAVANNAH, GA.

Date: 03/05/01

Load = 4,255 Start 0340 End 0303 Dump 0322

Location (lat/long, stations) 400+00 – 450+00 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) SW 25-40, 1-4, Clear

Water Temp., Surface Below Mid-Depth

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead clear Deflector clear

Stbd Draghead clear Deflector clear

Inflow, Fore

Inflow, MID same

Inflow, AFT

SKIMMER 1 Skate, 2 Horseshoe Crabs

Port Overflow, Primary Ø

Stbd Overflow, Primary Ø

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc):

Material Screening & By catch remains the same

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: C. Carroll

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: BE LINDHOLM

Project: SAVANNAH

Date: 03/05/01

Load # 256 Start 0348 End 0509 Dump 0530

Location (lat/long, stations) 400+00 - 450+00 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) SW 25-35, 1'-5' confused sea, Clear

Water Temp., Surface Below Mid-Depth

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead clear Deflector

Stbd Draghead clear Deflector

Inflow, Fore

Inflow, MID some

Inflow, AFT

SKIMMER Wood Plastic sea stars

Port Overflow, Primary Ø

Stbd Overflow, Primary Ø

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc).

Material Screening + By catch remains the same

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: C. Carroll

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: BC LINDHOLM

Project: SAVANNAH

Date: 03/05/01

Load # 6257 Start 0557 End 0732 Dump 0752

Location (lat/long, stations) 400+00 — 450+00 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) SW 25-35, 1-5', Clear

Water Temp., Surface Below Mid-Depth

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead Deflector

Stbd Draghead clear Deflector clear

To: Inflow, Fore; Inflow, MID; Inflow, AFT } same as previous

SKIMMER Wood, Sea Stars

Port Overflow, Primary Ø

Stbd Overflow, Primary Ø

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Material Screening & By-catch remain the same

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: C. Carroll

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: BE Lindholm

Project: Savannah Ga

Date: 03/05/01

Load # 258 Start 0816 End 1000 Dump 1021

Location (lat/long, stations) 400+00 > 450+00 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) SW 25+035, 1-5' confused sea, Clear Skies Water Temp., Surface Below Mid-Depth

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead n/a Deflector n/a

Stbd Draghead n/a Deflector n/a

P/O Inflow, Fore 10 Horseshoe crabs, sea stars whelk

Inflow, MID

Inflow, AFT

SKIMMER Horseshoe Crabs; Sea stars.

Port Overflow, Primary Ø

Stbd Overflow, Primary Ø

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc).

Material Screening & By-catch remain same

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: C Carroll

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: BE Lindholm

Project: Savannah, Ga

Date: 03/05/01

Load # 259 Start 1112 End 1115 Dump 1214

Location (lat/long, stations) 365 – 390 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) WSW @ 20-35, seas = 3-5, Clear Sky

Water Temp., Surface Below Mid-Depth

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead Ø Deflector OK

Stbd Draghead Ø Deflector OK

NO { Inflow, Fore / Inflow, MID / Inflow, AFT } Same

SKIMMER 1 skate, 4Hs crab, wood, lots of sea stars

Port Overflow, Primary N/A

Stbd Overflow, Primary Ø.

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.).

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: M. Piercy

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: B.E. Lindholm

Project: Savannah, Georgia

Date: 03/05/01

Load # 7.260 Start 1239 End 1400 Dump 1418

Location (lat/long, stations) 365 – 390 Tide Stage 3.8

Weather (wind dir, beaufort, sea state, temp, etc.) Clear sky, W wind @ 20-25, seas = 3-5

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

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Dragnead Ø Deflector ok

Stbd Dragnead Ø Deflector ok

Inflow, Fore Whelks + rocks

Inflow, MID Whelks + rocks

Inflow, AFT Whelks + rocks

SKIMMER Hundreds of Spider Crabs, 10 Hs Crab, skate

Port Overflow, Primary N/A

Stbd Overflow, Primary Ø

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc).

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: M. Piercy

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: B.E. Lindholm

Project: Savannah

Date: 03/05/01

Load = 20-261 Start ~~1239~~ 1443 End ~~1400~~ 1547 Dump ~~1615~~ 1605

Location (lat/long, stations) 365 – 390 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) W@ 25-30, seas=3-5, clear sky

Water Temp., Surface Below Mid-Depth

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead Ø monofilament line Deflector OK

Stbd Draghead Ø Deflector OK

To
- Inflow, Fore Rocks + Whelks
- Inflow, MID 1 HS crab, whelks, penshells
- Inflow, AFT Rocks + Whelks

SAMMER 3 HS Crab

Port Overflow, Primary N/A

Stbd Overflow, Primary Ø

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc).

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: M. Percy

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: B.E. Lindholm

Project: Savannah GA

Date: 03/05/04

Load = 262 . . 11 Start 1640 End 1720 Dump 1740

Location (lat/long, stations) 365 — 390 Tide Stage 6:5

Weather (wind dir, beaufort, sea state, temp, etc.) westerly @ 25-30, seas = 3-5, clear

Water Temp., Surface Below Mid-Depth

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead Ø Deflector Ok

Stbd Draghead Ø Deflector Ok

NAD
- Inflow, Fore 2 Hs crab, rock, whelks
- Inflow, MID rock + whelks
- Inflow, AFT rock

SKIMMER 5 more Hs crab

Port Overflow, Primary N/A

Stbd Overflow, Primary Ø

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: M. Percy

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: B.E. Lindholm

Project: Savannah GA

Date: 03/05/01

Load = ~~#~~ 263 Start 1805 End 1955 Dump 2011

Location (lat/long, stations) 365 – 390 Tide Stage Ebb

Weather (wind dir, beaufort, sea state, temp, etc.) Clear, WC 20-25, seas = 2-5

Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead Ø Deflector OK

Stbd Draghead Ø Deflector OK

T/O { Inflow, Fore _____ Inflow, MID _____ Inflow, AFT _____

SKIMMER Tons of sea stars, 7 Hs crab, flounder, 1 skate

Port Overflow, Primary _____

Stbd Overflow, Primary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc).

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: M. Piercy

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: B.E. Lindholm

Project: Savannah

Date: 03 / 05 / 01

Load = 264 Start 2034 End 2228 Dump 2246

Location (lat/long, stations) 365 - 390 Tide Stage 2.8 ebb

Weather (wind dir, beaufort, sea state, temp, etc.) W@20-25, seas=2-4, P/c

Water Temp., Surface Below Mid-Depth

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead Rope Deflector O/C

Stbd Draghead Rope Deflector O/C

MID { Inflow Fore / Inflow Mid / Inflow AFT } none

SKIMMER Hundreds of spider crabs, 5 Hs Crab

Port Overflow, Primary N/A

Stbd Overflow, Primary O

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

didn't get to clean rope out of dragheads (neither did HS) because by the time I got the overflow cleaned out, the drag arms were going over the side!

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: M. Reicy

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: BE Lindholm

Project: Savannah

Date: 03/05/01

Load # 265 Start 0900 End 0053 Dump 0112

Location (lat/long, stations) 365+00 → 390+00 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) WSW 25-35, 1-5', Clear

Water Temp., Surface Below Mid-Depth

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead clear Deflector

Stbd Draghead clear Deflector

Hopper: Inflow, Fore

Inflow, Mid Same - Horseshoe Crabs, Whelk, Spider crabs

Inflow, AFT

Skimmer Horseshoe crabs, spider crab, wood, sea stars

Port Overflow, Primary Ø

Stbd Overflow, Primary Ø

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.).

Material Screen & By catch remains the same

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: L. Carroll

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: BE LINDHOLM

Project: SAVANNAH, GA

Date: 03/06/01

Load # 266 Start 0136 End 0311 Dump 0336

Location (lat/long, stations) Stations 365+00 > 390+00 Tide Stage 3.5

Weather (wind dir, beaufort, sea state, temp, etc.) WSW 25-35 Gusts to 40 KNOTS., 1-5', Clear

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead clear Deflector clear

MID { Inflow, Fore _____ / Inflow, MID Same as previous - Horseshoe crabs, spider crabs. / Inflow, AFT sea stars, sea squirts

SKIMMER Horseshoe crabs,

Port Overflow, Primary Ø

Stbd Overflow, Primary Ø

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Material + Screening + By-catch remains the same

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: C. Carroll

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: BE Lindholm

Project: Savannah

Date: 03/06/01

Load # 267 Start 0356 End 0528 Dump 0548

Location (lat/long, stations) Stations 365+00 → 390+00 Tide Stage 7.0

Weather (wind dir, beaufort, sea state, temp, etc.) WSW 25-35, 1-5, Clear

Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead clear Deflector clear

MID { Inflow, Fore / Inflow, MID / Inflow, AFT } same

SKIMMER same

Port Overflow, Primary Ø

Stbd Overflow, Primary Ø

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.).

Material, Screening &, By catch remains the same

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: C. Carroll

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: BE Lindholm

Project: Savannah, Ga

Date: 03 / 06 / 01

Load # 268 Start 0611 End 0826 Dump 0841

Location (lat/long, stations) Stations 365+00 > 390+00 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) W25-35 w/ Gusts to 40 KTS. 1-5', Clear, Pt Cloudy rough Chop Water Temp., Surface Below Mid-Depth

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead clear Deflector

Stbd Draghead clear Deflector clear

MID { Inflow, Fore / Inflow, MID / Inflow, AFT } same

SKIMMER same

Port Overflow, Primary Ø

Stbd Overflow, Primary Ø

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.).

Material Screening + By catch remains the same

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: C. Carroll

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: BE Lindholm

Project: Savannah, Ga

Date: 03/06/01

Load # 269 Start 0904 End 1047 Dump

Location (lat/long, stations) Stations 365+00 > 390+00 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) WSW 18-25 gusts 35/1-5' rough chop

clear Water Temp., Surface Below Mid-Depth

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead clear Deflector clear

Stbd Draghead clear Deflector clear

Inflow, Fore
Inflow, MID Same as previous
Inflow, AFT

SAMMER Same.

Port Overflow, Primary Ø

Stbd Overflow, Primary Ø

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc).

Material, Screening +, By-catch remains the same

By-catch has included approx 34 Horseshoe crabs this watch

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: C. Carroll

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: BE Lindholm

Project: Savannah, Ga.

Date: 03 / 06 / 01

Load = 270. Start 1133 End 1305 Dump 1324

Location (lat/long, stations) _____ Tide Stage -0.4

Weather (wind dir, beaufort, sea state, temp, etc.) WNW@40, clear sky, seas=3-5

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

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead Ø Deflector OK

Stbd Draghead Ø Deflector OK

NP { Inflow, Fore 1 skate 4 Hs crab
Inflow, MID sand, rocks
Inflow, AFT rocks

SUMMER 12 Hs Crab, 5 skates, Blue crab, 5 spider crabs, sea pork

Port Overflow, Primary N/A

Stbd Overflow, Primary Ø

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: M. Piercy

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: B.E. Lindholm

Project: Savannah, Georgia

Date: 03 / 06 / 01

Load # 271 Start 1409 End 1538 Dump 1555

Location (lat/long, stations) -45 - -34 Tide Stage 3.9F

Weather (wind dir, beaufort, sea state, temp, etc.) NNW @ 30-40, seas = 4-6, Clear sky.

Water Temp., Surface _____ Below Mid-Depth _____

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

Note biological samples:

Port Draghead Ø Deflector OK

Stbd Draghead Ø Deflector OK

SAME

Inflow, Fore

Inflow, MID

Inflow, AFT

SKIMMER 4 HS crab, wood,

Port Overflow, Primary N/A

Stbd Overflow, Primary Ø.

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.).

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: M. Piercy

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: BE Lindholm

Project: Savannah

Date: 05/06/01

Load # 272 Start 1651 End 1739 Dump 1756

Location (lat/long, stations) +45+00 -35+00 Tide Stage 7.2

Weather (wind dir, beaufort, sea state, temp, etc.) None

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead Ø Deflector OK

Stbd Draghead Ø Deflector OK

MID { Inflow, Fore Slime
Inflow, MID
Inflow, AFT

SKIMMER 5 Hs crab

Port Overflow, Primary N/A

Stbd Overflow, Primary Ø

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.),

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: M. Perry

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: B.E Lindsey

Project: Savannah GA

Date: 05 / 06 / 01

Load # 275 Start 1819 End 2006 Dump 2021

Location (lat/long, stations) 45-34 Tide Stage 5.2 ebb

Weather (wind dir, beaufort, sea state, temp, etc.) 35-40 NW @, seas = 3-5, clear

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead Ø Deflector ON

Stbd Draghead Ø Deflector ON

MID { Inflow, Fore _____ Inflow, MID _____ Inflow, AFT _____

SKIMMER 4 Hs crab, wood, eels, sea stars, spider crabs

Port Overflow, Primary _____

Stbd Overflow, Primary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.),

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: M. Percy

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: B.E. Lindholm

Project: Savannah

Date: 05/06/01

274

oad # ~~1111~~ Start 2043 End 2279 Dump 2246

ocation (lat/long, stations) _____ Tide Stage _____

Veather (wind dir, beaufort, sea state, temp, etc.) NW@ 30-35, seas=3-5, clear

_____ Water Temp., Surface _____ Below Mid-Depth _____

re there incidents involving endangered or protected species? YES (NO)

ote biological samples:

ort Draghead Ø Deflector OK

tbd Draghead Ø Deflector On

Inflow, Fore

Inflow, Mid

Inflow, AFT

SKIMMER 15 Hs Crab, Pufferfish, Sea stars, sea pork, sea whip

ort Overflow, Primary N/A

tbd Overflow, Primary Ø.

omments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.),

Bridge Watch Summary

ecies	# of Animals	Time/ Location/ Comments

server(s) On Duty: M. Piercy

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: BE Lindholm

Project: Savannah

Date: 03/07/01

Load # 275 Start 2308 End 0042 Dump 0059

Location (lat/long, stations) -34+00 > -45+00 Tide Stage -1.2

Weather (wind dir, beaufort, sea state, temp, etc.) WNW 10-20, 1'-3' seas, Clear skies

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

Are there incidents involving endangered or protected species? (YES) NO

Note biological samples:

Port Draghead ~~clear~~ Deflector ~~clear~~

Stbd Draghead ~~clear~~ Deflector ~~clear~~

Inflow, Fore Horseshoe crab whelk

Inflow, MID Caretta caretta was taken. Whelk, horseshoe crabs.

Inflow, AFT Rope, Horseshoe crabs,

SKIMMER Skates, Horseshoe crab, whelk, wood plastic

Port Overflow, Primary Ø

Stbd Overflow, Primary Ø

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.),

Material & Screening remain the same. Loggerhead was taken in middle lander in grating. Captain, ACOE inspector, and Field Engineer were notified. See attached sheets.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: C. Carroll

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: BE Lindholm

Project: Savannah, Ga

Date: 03 / 07 / 01

oad # 276 Start 0125 End 0327 Dump 0346

ocation (lat/long, stations) -34+00 > -45+00 Tide Stage 2.9

Veather (wind dir, beaufort, sea state, temp, etc.) WNW 10-20, 1-3'

Water Temp., Surface Below Mid-Depth

re there incidents involving endangered or protected species? YES (NO)

lote biological samples:

ort Draghead clear Deflector

tbd Draghead clear Deflector

Inflow, Fore

Inflow, MID Horseshoe crab, whelk, Rope

Inflow, AFT

SKIMMER Skate, Horseshoe crabs, eels, plastic, wood.

ort Overflow, Primary Ø

tbd Overflow, Primary Ø

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Material & Screening remains the same. By-catch remains normal

Bridge Watch Summary

ecies	# of Animals	Time/ Location/ Comments
Ø		

bserver(s) On Duty: C. Carroll

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: BE LINDHOLM

Project: SAVANNAH, GA.

Date: 03/07/01

Load # 277 Start 0411 End 0620 Dump 0640

Location (lat/long, stations) 365+00 ? 390+00 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) WNW 10-20, 1-3', clear skies

Water Temp., Surface Below Mid-Depth

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead Ø Deflector same

Stbd Draghead Ø Deflector

Inflow, Fore

Inflow, MID same

Inflow, AFT

SKIMMER Skates, Horseshoe crabs, whelk.

Port Overflow, Primary Ø

Stbd Overflow, Primary Ø.

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Material Screening & By-catch remains the same.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: C. Carroll

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: BE LINDHOLM

Project: SAVANNAH, GA.

Date: 03 / 07 / 01

oad # 278 Start 0706 End 0832 Dump 0852

ocation (lat/long, stations) -34+00 > -45+00 Tide Stage

Veather (wind dir, beaufort, sea state, temp, etc.) WNW 10 to 20, 1-3', Clear skies

Water Temp., Surface Below Mid-Depth

re there incidents involving endangered or protected species? YES NO

ote biological samples:

ort Draghead clear Deflector

tbd Draghead clear Deflector clear

Inflow, Fore

Inflow, Mid Same

Inflow, AFT

KIMMER Horseshoe crabs, spider crabs, sea stars, cannonball jellies

ort Overflow, Primary Ø

bd Overflow, Primary Ø

omments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.),

Bridge Watch Summary

ecies	# of Animals	Time/ Location/ Comments
Ø		

server(s) On Duty: R. Carroll

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: BE Lindholm

Project: Savannah, Ga

Date: 03/07/01

Load # 279 Start 0917 End 1050 Dump 1109

Location (lat/long, stations) -34+00 > -45+00 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) NW 10-18, 1'-3', Clear skies

Water Temp., Surface Below Mid-Depth

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead Deflector

Stbd Draghead Deflector

Inflow, Fore

Inflow, MID same

Inflow, AFT

SKIMMER Horseshoe crabs, sea stars spider crabs

Port Overflow, Primary Ø

Stbd Overflow, Primary Ø

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.),

Material & Screening the same. By catch remain the same

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
TE	1	1026 / in channel #2+4 / Swimming inbound

Observer(s) On Duty: L. Carroll

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: B.E. Lindholm

Project: Savannah

Date: 03/07/01

oad # 280 Start 1131 End 1325 Dump 1345

ocation (lat/long, stations) 45+00 – 34+00 Tide Stage 1.1F

veather (wind dir, beaufort, sea state, temp, etc.) clear, SW @ 5, seas = 1'

Water Temp., Surface Below Mid-Depth

re there incidents involving endangered or protected species? YES (NO)

ote biological samples:

ort Draghead Ø Deflector OK.

tbd Draghead Rope Deflector OK

Inflow, Fore Horse conch

Inflow, MID ROCKS

Inflow, AFT ROCKS

SKIMMER 5 Hs Crab,

ort Overflow, Primary N/A

tbd Overflow, Primary Ø.

omments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.),

Bridge Watch Summary

ecies	# of Animals	Time/ Location/ Comments
Tt	25	12:50 / all around the cut

bserver(s) On Duty: M. Piercy

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: B.E. Lindholm

Project: Savannah, Georgia

Date: 03/ /01

Load # 281 Start 1411 End 1641 Dump 1658

Location (lat/long, stations) 34 T00 -45 +00 Tide Stage 5.0 F/ood

Weather (wind dir, beaufort, sea state, temp, etc.) Clear, W@5, seas=1'

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

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead Ø Deflector OK

Stbd Draghead Ø Deflector OK

Inflow, Fore
Inflow, MID
Inflow, AFT
same ole stuff

SKIMMER 3 HS Crab, sea stars, sea pork, wood

Port Overflow, Primary N/A

Stbd Overflow, Primary Ø.

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.),

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: M. Peraino

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: B. E. Lindholm

Project: Savannah, GA

Date: 03/07/01

Load # 282 Start 1720 End 2010 Dump

Location (lat/long, stations) 34+00 – 45+00 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) clear, W@5, seas=1-2

Water Temp., Surface Below Mid-Depth

Were there incidents involving endangered or protected species? (YES) NO

Note biological samples:

Port Draghead Caretta Caretta Deflector OK

Stbd Draghead Ø Deflector OK

Inflow, Fore ?

Inflow, MID

Inflow, AFT Ø

SKIMMER 5 more Hs crab, blue crab, sea whip, eels

Port Overflow, Primary

Stbd Overflow, Primary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.),

1 whole caretta caretta was caught with its flipper stuck in the visor. Crushed head, large cracks in carapace and profuse bleeding all spell imminent death for this animal.

Dredge anchored as this was the 2nd turtle in 24 hrs. Won't dump load till morning

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: M. Piercy

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: BE Lindholm

Project: Savannah, Ga

Date: 03/08/01

Load # 283 Start 0906 End 1100 Dump 1120

Location (lat/long, stations) Stations -400+00 = -450+00 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) Clear, N 8-12, 1-3'

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead clear Deflector clear

Inflow, Fore _____

Inflow, MID Same, Hermit crab.

Inflow, AFT _____

SKIMMER Eel, Horseshoe crabs,

Port Overflow, Primary Ø

Stbd Overflow, Primary Ø

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.),

Material, Screening & By catch remain the same

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: C. Carroll

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: B.E. Lindholm

Project: Savannah GA

Date: 03 / 08 / 01

oad # 284 Start 1143 End 1334 Dump 1351

ocation (lat/long, stations) 400+00 - 430+00 N side Tide Stage 1.2 eff

Veather (wind dir, beaufort, sea state, temp, etc.) clear, ESE@5-10, seas=1-2

Water Temp., Surface Below Mid-Depth

re there incidents involving endangered or protected species? YES (NO)

lote biological samples:

ort Draghead ∅ Deflector OK

tbd Draghead ∅ Deflector OK

Inflow, Fore

Inflow, MID

Inflow, AFT

SKIMMER 3 HS crab

ort Overflow, Primary N/A

tbd Overflow, Primary ∅

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.).

Bridge Watch Summary

pecies	# of Animals	Time/ Location/ Comments
Tt	4	13:05 @ the cut

bserver(s) On Duty: M. Piercy

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: B.E. Lindholm

Project: Savannah

Date: 03/08/01

Load # 285 Start 1412 End 1621 Dump 1651

Location (lat/long, stations) 400+00 – 430+00 Tide Stage 4.0 flood

Weather (wind dir, beaufort, sea state, temp, etc.) Clear, SSE @ 5-10, Seas=1-2

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead Ø Deflector OK

Stbd Draghead Ø Deflector OK

Inflow, Fore Ø

Inflow, Mid Ø

Inflow, AFT Ø

SKIMMER 2 more H.S. Crab

Port Overflow, Primary N/A

Stbd Overflow, Primary Ø

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.),

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: M. Rerey

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: B.E. Lindholm

Project: Savannah, GA

Date: 03/08/01

oad # 286 Start 1712 End 1923 Dump 1945

ocation (lat/long, stations) 400+00 — 430+00 Tide Stage 0.4 Flood

Weather (wind dir, beaufort, sea state, temp, etc.) clear, SSE@5-10, seas=1-3

_____ Water Temp., Surface _____ Below Mid-Depth _____

re there incidents involving endangered or protected species? YES (NO)

ote biological samples:

ort Draghead Ø Deflector ok

tbd Draghead Ø Deflector ok

Inflow, Fore Ø

Inflow, Mid Ø

Inflow, AFT Ø

SKIMMER 1 HS crab, sea pork

ort Overflow, Primary N/A

tbd Overflow, Primary Ø.

omments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.),

very little biota all day.

Bridge Watch Summary

ecies	# of Animals	Time/ Location/ Comments

bserver(s) On Duty: M. Piercy

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: B.E. Lindholm

Project: Savannah, GA

Date: 03/08/01

Load # ~~2884~~ 287 Start 2008 End 2235 Dump 2255

Location (lat/long, stations) 400+00 – 430+00 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) clear, seas=1-3, SE@5-10

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead Sail + sheet Deflector OK

Stbd Draghead Ø Deflector OK

Inflow, Fore Ø

Inflow, Mid Ø

Inflow, AFT Ø

SKIMMER sea pork 3 Hs crab

Port Overflow, Primary N/A

Stbd Overflow, Primary 1 Hs Crab

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.),

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: M. Piercy

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: BE LINDHOLM

Project: SAVANNAH

Date: 03 / 08 / 01

oad # 288 Start 2318 End 0128 Dump 0146

ocation (lat/long, stations) 400 too 430 too Tide Stage

Veather (wind dir, beaufort, sea state, temp, etc.) SSE 5-10, 1-3, Clear

Water Temp., Surface Below Mid-Depth

re there incidents involving endangered or protected species? YES (NO)

lote biological samples:

ort Draghead clear Deflector

tbd Draghead clear Deflector clear

Inflow, Fore

Inflow, MID Same as previous

Inflow, AFT

SKIMMER

ort Overflow, Primary Ø

tbd Overflow, Primary Ø

omments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Material Screening + By Catch remains the same

Bridge Watch Summary

ecies	# of Animals	Time/ Location/ Comments
Ø		

bserver(s) On Duty: C. Carroll

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: BC Lindholm

Project: Savannah Ga

Date: 03/09/01

Load # 289 Start [illegible] End [illegible] Dump

Location (lat/long, stations) 400+00 > 430+00 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) SSE 5-10, 1-2, Clear

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

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead Clear Deflector Clear

Stbd Draghead Clear Deflector Clear

Inflow, Fore
Inflow, MID } Same as previous
Inflow, AFT

SKIMMER Horseshoe crabs, sea stars

Port Overflow, Primary Ø

Stbd Overflow, Primary Ø

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.)

Material Screening + By catch remains the same

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: C. Carroll

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: BEYLINDHOLM

Project: SAVANNAH GA

Date: 03/09/01

Load # 290 Start [illegible] End 0830 Dump

Location (lat/long, stations) 400+00 - 430+00 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) SSE 510, 1-2', Clear

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

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead Deflector

Stbd Draghead Clear Deflector Clear

MID { Inflow, Fore / Inflow, MID / Inflow, AFT } Same

SKIMMER Horseshoe crabs, spider crabs

Port Overflow, Primary Ø

Stbd Overflow, Primary Ø

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.).

Material Screening + By catch remains the same Last load of job Job ended at 0906 HR 03/09/01

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: C. Carroll