ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Padre Island

Project Brunswick Harbor Deeping

Date: 3/28/04

Load # 01 Times: Start 0043 End 0504 Dump 0514

Location(lat/long) see buoy to 1st set of buoy Tide

Weather winds light airs, seas 2-3

H_2O Surf.Temp Time Below Mid-Depth Time C or F (circle one)

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

Port Draghead: Trash Deflector Good

Stbd Draghead: 0 Deflector Good

Port Discharge, Fore: horseshoe crabs, shell, trash

Port Discharge, Aft: rock, wood

Stbd Discharge, Fore: Trash

Stbd Discharge, Aft: horseshoe crabs

Port Overflow: wood

Stbd Overflow: Trash

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: ERIC Westerman

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Padre Island

Project: Brunswick Harbor

Date: 3/28/04

Load # 03 Start _____ End _____ Dump _____

Location (lat/long, stations) sea buoy 10 1st set Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) Clear, winds 5-10KTS, sea 1'

_____ Water Temp., Surface 60° Below Mid-Depth _____

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

Port Draghead _____ Deflector Ok

Stbd Draghead OK Deflector _____

Port Inflow, Fore Rock ~~Mid~~

Port Inflow, Aft _____

Stbd Inflow, Fore _____ ~~Mid~~

Stbd Inflow, Aft _____

Port Overflow, Primary Ok Secondary _____

Stbd Overflow, Primary _____ Secondary _____

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

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Leatherback Turtle	1	0207 / @ dig site / dead floating > 48 hrs

Observer(s) On Duty: A. Jackson

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Padre Island

Project: Brunswick

Date: 03 / 28 / 04

Load # 04 Start 1338 End 1754 Dump 1805

Location (lat/long, stations) 31° 03.20'n 81°15'.14'w Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) clear, wind 5-10kts, sea 1'

Water Temp., Surface Below Mid-Depth

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

Port Draghead OK Deflector

Stbd Draghead Deflector

Port Inflow, Fore Rock, shell, clay ~~Mid~~

Port Inflow, Aft

Stbd Inflow, Fore ~~Mid~~

Stbd Inflow, Aft

Port Overflow, Primary OK Secondary

Stbd Overflow, Primary Secondary

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: A. Jackson

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Padre Island

Project: Brunswick Harbor

Date: 3/30/04

Load # 06 Start 1303 End 1334 Dump 1345

Location (lat/long, stations) Sea buoy to first set buoys Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) winds 10 Knots, Seas 3-5

Water Temp., Surface 61°F Below Mid-Depth 60°F

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

Port Draghead OK Deflector

Stbd Draghead Deflector OK

Port Inflow, Fore Shell, clay, ~~Mid~~

Port Inflow, Aft

Stbd Inflow, Fore ~~Mid~~

Stbd Inflow, Aft Stingray, 2 HDC

Port Overflow, Primary OK ~~Secondary~~

Stbd Overflow, Primary ~~Secondary~~

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: Eric Westerman / A. Jackson

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Padre Isl

Project: Brunswick

Date: 03 / 30 / 04

Load # 07 Start 1424 End 1957 Dump 2011

Location (lat/long, stations) Sea buoy to 1st set of buoys Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) CC. 90%, wind 10-15 kts, sea 2-3 swell

Water Temp., Surface Below Mid-Depth

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead Deflector

Port Inflow, Fore — ~~Mid~~

Port Inflow, Aft Shell, clay

Stbd Inflow, Fore ~~Mid~~

Stbd Inflow, Aft

Port Overflow, Primary OK Secondary

Stbd Overflow, Primary Secondary

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: A. Jackson

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: _____

Project: _____

Date: 03/30/04

Load # 08 Start 2037 End 2226 Dump 2329

Location (lat/long, stations) sea buoy to 1st set of buoys Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) Cloudy, wind S-10kts, sea 1-2'

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

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

Port Draghead OK Deflector Ok

Stbd Draghead _____ Deflector _____

Port Inflow, Fore Clay, silt ~~Mid~~ _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary Ok Secondary _____

Stbd Overflow, Primary _____ Secondary _____

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: A. Jackson

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Pudra Island

Project: Brunswick

Date: 3/31/04

Load # 09 Start 2357 End 0345 Dump 356

Location (lat/long, stations) SEG buoy TO 1-2 buoys Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) winds 5-10 knots

Seas 3-5 Water Temp., Surface Below Mid-Depth

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

Port Draghead 0 Deflector 0/C

Stbd Draghead 0 Deflector 0/C

Port Inflow, Fore Clay Mid

Port Inflow, Aft Clay

Stbd Inflow, Fore Clay Mid

Stbd Inflow, Aft Clay

Port Overflow, Primary Clay Secondary

Stbd Overflow, Primary Clay Secondary

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

continues cleaning of inflow boxes

Port aft door broke

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: ERIC Westerman

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Pardi Island

Project: Brunswick, GA

Date: 3/31/04

Load # 10 Start 0418 End 0823 Dump 0832

Location (lat/long, stations) Sea buoy to 1-2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) winds 15 knots

seas 3-5 Water Temp., Surface 61°F Below Mid-Depth 60°F

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

Port Draghead clay Deflector OK

Stbd Draghead clay Deflector OK

Port Inflow, Fore clay Mid

Port Inflow, Aft clay

Stbd Inflow, Fore clay Mid

Stbd Inflow, Aft clay

Port Overflow, Primary clay, cownose ray Secondary

Stbd Overflow, Primary clay Secondary

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

Flushing out inflow the entire load.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: Eric Westerman

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Padre Island

Project: Brunswick GA

Date: 3/31/04

Load # 11 Start 0911 End 1320 Dump 1332

Location (lat/long, stations) Seg buoy to 1-2 buoy, Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) Winds S-10 knots Seas 1-3

Water Temp., Surface 61 Below Mid-Depth 60

Are there **incidents involving endangered or protected species?** **YES** **NO**

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead Deflector

Port Inflow, Fore — Mid

Port Inflow, Aft Shell

Stbd Inflow, Fore Clay Mid

Stbd Inflow, Aft Shell

Port Overflow, Primary OK Secondary

Stbd Overflow, Primary Secondary

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: ERIC Westerman / A. Sackson

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Padre Isl

Project: Brunswick, GA

Date: 03 / 31 / 04

Load # 12 Start 1350 End 1633 Dump 1642

Location (lat/long, stations) Sea buoy to 1st set Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) CC. 25%, wind 10-20kts, sea 2-3'

Water Temp., Surface Below Mid-Depth

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead Deflector

Port Inflow, Fore Shell ~~Mid~~

Port Inflow, Aft

Stbd Inflow, Fore Clay ~~Mid~~

Stbd Inflow, Aft

Port Overflow, Primary OK Secondary

Stbd Overflow, Primary Secondary

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:

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Padre ESI.

Project: Brunswick, GA

Date: 03 / 31 / 04

Load # 13 Start 1657 End 2054 Dump 2105

Location (lat/long, stations) Sea buoy TO 1st set Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) Clear, wind 10-20kts, Sea 2-3'

Water Temp., Surface Below Mid-Depth

Are there **incidents involving endangered or protected species?** **YES** **NO**

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead Deflector

Port Inflow, Fore — ~~Mid~~

Port Inflow, Aft —

Stbd Inflow, Fore Shell, Clay ~~Mid~~

Stbd Inflow, Aft " "

Port Overflow, Primary OK Secondary

Stbd Overflow, Primary Secondary

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

Boxes opened + Flushed many times due TO Clay

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: A. Jackson

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Padre Island

Project: Brunswick

Date: 4/1/04

Load # 14 Start 2132 End 540 Dump 556

Location (lat/long, stations) Seabuoy 1-2 B+F 45-44 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) Winds 20 Knots, SEAS 1-3

Water Temp., Surface 61 Below Mid-Depth 60

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

Port Draghead Clay Deflector O/C

Stbd Draghead Clay Deflector OK

Port Inflow, Fore Clay Mid

Port Inflow, Aft Clay

Stbd Inflow, Fore Clay Mid

Stbd Inflow, Aft Clay

Port Overflow, Primary Ø Secondary

Stbd Overflow, Primary Ø Secondary

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

Cleaned continuously through out the load.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: ERIC Westerman

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Padre Island

Project: Brunswick

Date: 9/1/04

Load # 15 Start 946 End 1516 Dump 2104

Location (lat/long, stations) Sea buoy to 1-2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) Windy 15-20 knots

Seas 2-3 Water Temp., Surface 67 Below Mid-Depth 60

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

Port Draghead 0 Deflector 0/0

Stbd Draghead Wood Deflector 0/0

Port Inflow, Fore cownose ray Mid

Port Inflow, Aft 0

Stbd Inflow, Fore 0 Mid

Stbd Inflow, Aft 0

Port Overflow, Primary Horseshoe crab Secondary

Stbd Overflow, Primary 0 Secondary

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: ERIC Westerman

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Padre Island

Project: Brunswick

Date: 4 / 1 / 04

Load # 16 Start 2130 End 0509 Dump 0521

Location (lat/long, stations) Seaway to 1-2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) Winds is 20knots

Seas 2-3 Water Temp., Surface Below Mid-Depth

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

Port Draghead C Deflector OK

Stbd Draghead C Deflector OK

Port Inflow, Fore Connost rock, clay Mid

Port Inflow, Aft clay

Stbd Inflow, Fore clay Mid

Stbd Inflow, Aft clay

Port Overflow, Primary clay Secondary

Stbd Overflow, Primary clay Secondary

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

31 04' 02.1 N
81 16' 28.0 W

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: ERIC WESTERMAN

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Padre Island

Project: Brunswick

Date: 4/2/04

Load # 17/18 Start 537/0816 End 743/1146 Dump 759/1155

Location (lat/long, stations) sea buoy to 1-2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) winds 15-20 knots

seas 2-3 Water Temp., Surface 60° Below Mid-Depth 59°

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:	17	18	
Port Draghead	C	ok	Deflector C/S
Stbd Draghead	C		Deflector C
Port Inflow, Fore	clay	shell	~~Mid~~
Port Inflow, Aft	Horseshoe crab	mantis shrimp	
Stbd Inflow, Fore	rock, shell		~~Mid~~
Stbd Inflow, Aft	clay	1 HSC	
Port Overflow, Primary	C	Cow nose ray	Secondary
Stbd Overflow, Primary	wood		Secondary

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: ERIC Westerman