

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Norshely Island

Project: Mayport

Date: 12/1/99

Load # 1 Times: Start 1244 End 1344 Dump 1448  
Location(lat/long) 30°23'N 81°24'W Tide Slack  
Weather partly cloudy, seas 1'  
H<sub>2</sub>O Surf. Temp ~~\_\_\_\_\_~~ Time ~~\_\_\_\_\_~~ Below Mid-Depth \_\_\_\_\_ Time \_\_\_\_\_ C or F (circle one)

Are there incidents involving endangered or protected species? Yes \_\_\_\_\_ No X

Port Draghead: Line Deflector: Clear

Stbd Draghead: Clear Deflector: Clear

Port Discharge, Fore: Floussers

Port Discharge, Aft: Clear

Stbd Discharge, Fore: Clear

Stbd Discharge, Aft: Clear

Port Skimmer: N/A

Stbd Skimmer: N/A

Comments: Bottlenose Dolphin (TURSIOPS TRUNCATUS) TWO OFF  
STARBOARD BOW.

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
<u>T.T.</u>	<u>6-10</u>	<u>1400</u>	<u>SETTY and OUTSIDE channel,</u> <u>Socially. BOWDOWN</u>

Observer(s) On Duty: ERIC Pohlman, Kirsten Dahler

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12/01/99

Load # 2 Times: Start 1600 End 1719 Dump 1813  
Location(lat/long) 30°23'N 81°24'W Tide N/A  
Weather Clear, clouds on H<sub>2</sub>O, seas 1'  
H<sub>2</sub>O Surf.Temp N/A Time \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_ Time \_\_\_\_\_ C or F (circle one)

Are there incidents involving endangered or protected species? Yes \_\_\_\_\_ No

Port Draghead: Line Deflector: clear

Stbd Draghead: Line Deflector: clear

Port Discharge, Fore: fish

Port Discharge, Aft: clear

Stbd Discharge, Fore: clear

Stbd Discharge, Aft: clear

Port Skimmer: N/A

Stbd Skimmer: \_\_\_\_\_

Comments: \_\_\_\_\_  
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Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
<u>TT</u>	<u>1</u>	<u>17:15</u>	<u>Just outside Jetty.</u>
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Observer(s) On Duty: Eric Pohlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northern Islands

Project: May FORT

Date: 12/01/99

Load # 3 Times: Start 1946 End 2035 Dump 2126  
Location(lat/long) 30° 23' N 89° 24' W Tide ERR  
Weather Clear, Seas 1'  
H<sub>2</sub>O Surf. Temp N/A Time \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_ Time \_\_\_\_\_ C or F (circle one)

Are there incidents involving endangered or protected species? Yes \_\_\_\_\_ No Y

Port Draghead: Clear Deflector: Clear  
Stbd Draghead: Clear Deflector: Clear  
Port Discharge, Fore: Clear  
Port Discharge, Aft: Clear  
Stbd Discharge, Fore: Clear  
Stbd Discharge, Aft: Clear  
Port Skimmer: N/A  
Stbd Skimmer: N/A

Comments: \_\_\_\_\_  
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Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
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Observer(s) On Duty: ERIC Pohlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Norhealy Island

Project: Mayport

Date: 12/1/99

Load # 4 Times: Start 2252 End 2332 Dump 0031  
Location(lat/long) 30°23' N 81°24' W Tide ~~High~~ EBS  
Weather Clear, seas 1'  
H<sub>2</sub>O Surf Temp N/A Time \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_ Time \_\_\_\_\_ C or F (circle one)

Are there incidents involving endangered or protected species? Yes \_\_\_\_\_ No X

Port Draghead: Live fishing Deflector: clear  
Stbd Draghead: stick Deflector: clear  
Port Discharge, Fore: fish  
Port Discharge, Aft: clear  
Stbd Discharge, Fore: plastic bag  
Stbd Discharge, Aft: clear  
Port Skimmer: N/A  
Stbd Skimmer: N/A

Comments: \_\_\_\_\_  
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Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
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Observer(s) On Duty: Eric Polman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Islands

Project: Mayport

Date: 12/2/99

Load # 5 Times: Start 0135 End 210 Dump 312  
Location(lat/long) 30°23'N 81°24'W Tide Slack  
Weather Clear, 1-4 seas  
H<sub>2</sub>O Surf.Temp N/A Time \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_ Time \_\_\_\_\_ C or F (circle one)

Are there incidents involving endangered or protected species? Yes \_\_\_\_\_ No X

Port Draghead: some 1m Deflector: clear  
Stbd Draghead: clear Deflector: clear  
Port Discharge, Fore: fish  
Port Discharge, Aft: clear  
Stbd Discharge, Fore: clear  
Stbd Discharge, Aft: clear  
Port Skimmer: N/A  
Stbd Skimmer: N/A

Comments: \_\_\_\_\_  
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Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
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Observer(s) On Duty: Eric Polman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Islands

Project: Mayport

Date: 12/02/99

Load # 6 Times: Start 0421 End 0457 Dump OSSA  
Location(lat/long) 30°23' N 81°24' W Tide \_\_\_\_\_  
Weather Clear, 1 ft seas  
H<sub>2</sub>O Surf. Temp N/A Time \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_ Time \_\_\_\_\_ C or F (circle one)

Are there incidents involving endangered or protected species? Yes \_\_\_\_\_ No X

Port Draghead: line Deflector: Clear  
Stbd Draghead: Clear Deflector: Clear  
Port Discharge, Fore: fish  
Port Discharge, Aft: Clear  
Stbd Discharge, Fore: Clear  
Stbd Discharge, Aft: Clear  
Port Skimmer: N/A  
Stbd Skimmer: N/A

Comments: \_\_\_\_\_  
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Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
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Observer(s) On Duty: Eric Pohlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: MayPORT

Date: 12/02/99

Load # 7 Times: Start 0716 End 0754 Dump 0844

Location(lat/long) 30° 23' N 81° 24' W Tide Ebb

Weather SUNNY SW wind 5-15 seas 2'

H<sub>2</sub>O Surf Temp \_\_\_\_\_ Time \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_ Time \_\_\_\_\_ C or F (circle one)

Are there incidents involving endangered or protected species? Yes \_\_\_\_\_ No X

Port Draghead: ok Deflector: ok

Stbd Draghead: \_\_\_\_\_ Deflector: \_\_\_\_\_

Port Discharge, Fore: skate, cable, grass

Port Discharge, Aft: ok

Stbd Discharge, Fore: ok

Stbd Discharge, Aft: ok

Port Skimmer: NA

Stbd Skimmer: \_\_\_\_\_

Comments: \_\_\_\_\_

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Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
<u>Tursiops truncatus</u>	<u>6-12</u>	<u>0800</u>	<u>outside jetties, playful</u>
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Observer(s) On Duty: Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12/02/99

Load # 08 Times: Start 1005 End 1049 Dump 1158  
Location(lat/long) 30°23'N 81°24'W Tide EBB  
Weather Clear sea 2' NW 5-10  
H<sub>2</sub>O Surf.Temp \_\_\_\_\_ Time \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_ Time \_\_\_\_\_ C or F (circle one)

Are there incidents involving endangered or protected species? Yes \_\_\_\_\_ No K

Port Draghead: ok Deflector: ok

Stbd Draghead: \_\_\_\_\_ Deflector: \_\_\_\_\_

Port Discharge, Fore: ok

Port Discharge, Aft: ok

Stbd Discharge, Fore: ok

Stbd Discharge, Aft: ok

Port Skimmer: NA

Stbd Skimmer: \_\_\_\_\_

Comments: \_\_\_\_\_  
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Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
<u>TE</u>	<u>10-16</u>	<u>1115</u>	<u>off jetties</u>
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Observer(s) On Duty: Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 02 / 99

Load # 09 Times: Start 1305 End 1312 Dump 1436  
Location(lat/long) 30°23' N 81°24' W Tide ~~Flood~~ Ebb → slack → Flood  
Weather partly cloudy WNW SE seas 1-3'  
H<sub>2</sub>O Surf.Temp \_\_\_\_\_ Time \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_ Time \_\_\_\_\_ C or F (circle one)

Are there incidents involving endangered or protected species? Yes \_\_\_\_\_ No X

Port Draghead: ok Deflector: ok  
Stbd Draghead: \_\_\_\_\_ Deflector: \_\_\_\_\_  
Port Discharge, Fore: ok  
Port Discharge, Aft: NA  
Stbd Discharge, Fore: ok  
Stbd Discharge, Aft: NA  
Port Skimmer: NA  
Stbd Skimmer: \_\_\_\_\_

Comments: \_\_\_\_\_  
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Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
<u>TE</u>	<u>12 18</u>	<u>1400</u>	<u>o/s jetties</u>
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Observer(s) On Duty: Kirsten Dahler

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12/02/99

Load # 10 Times: Start 1539 End 1618 Dump 1718  
Location(lat/long) 30°23'N 81°24'W Tide Flood  
Weather mostly sunny KOW 575 seas 1-3'  
H<sub>2</sub>O Surf. Temp \_\_\_\_\_ Time \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_ Time \_\_\_\_\_ C or F (circle one)

Are there incidents involving endangered or protected species? Yes \_\_\_\_\_ No K

Port Draghead: OK Deflector: OK  
Stbd Draghead: \_\_\_\_\_ Deflector: \_\_\_\_\_  
Port Discharge, Fore: OK  
Port Discharge, Aft: NA  
Stbd Discharge, Fore: OK  
Stbd Discharge, Aft: NA  
Port Skimmer: NA  
Stbd Skimmer: \_\_\_\_\_

Comments: \_\_\_\_\_  
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Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
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Observer(s) On Duty: Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mauport

Date: 12/02/99

Load # 11 Times: Start 1835 End 1908 Dump 2000  
Location(lat/long) 30°23'N 81°24'W Tide FLOOD  
Weather Clear 1-2 ft seas  
H<sub>2</sub>O Surf.Temp \_\_\_\_\_ Time \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_ Time \_\_\_\_\_ C or F (circle one)

Are there incidents involving endangered or protected species? Yes \_\_\_\_\_ No X

Port Draghead: Clear Deflector: clear

Stbd Draghead: CAS NET Deflector: clear

Port Discharge, Fore: clear

Port Discharge, Aft: NA

Stbd Discharge, Fore: ROPE

Stbd Discharge, Aft: NA

Port Skimmer: NA

Stbd Skimmer: \_\_\_\_\_

Comments: \_\_\_\_\_  
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Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
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Observer(s) On Duty: ERIC POLMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northeastly Island

Project: Mayport

Date: 12/02/99

Load # 12 Times: Start 2130 End 2207 Dump 2300  
Location(lat/long) 30°23'N 81°24'W Tide EBB  
Weather Clear Skis 1 ft Seas  
H<sub>2</sub>O Surf. Temp \_\_\_\_\_ Time \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_ Time \_\_\_\_\_ C or F (circle one)

Are there incidents involving endangered or protected species? Yes \_\_\_\_\_ No

Port Draghead: Clear Deflector: Clear  
Stbd Draghead: Clear Deflector: Clear  
Port Discharge, Fore: Clear  
Port Discharge, Aft: NA  
Stbd Discharge, Fore: Clear  
Stbd Discharge, Aft: NA  
Port Skimmer: NA  
Stbd Skimmer: \_\_\_\_\_

Comments: \_\_\_\_\_  
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Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
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Observer(s) On Duty: [Signature]

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northery Iscans

Project: Mayport

Date: 12/03/99

Load # 13 Times: Start 0015 End 0059 Dump 0159

Location(lat/long) 30°23'N 81°24'W Tide ~~low~~ ESTS

Weather clear, clam sea

H<sub>2</sub>O Surf. Temp \_\_\_\_\_ Time \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_ Time \_\_\_\_\_ C or F (circle one)

Are there incidents involving endangered or protected species? Yes \_\_\_\_\_ No X

Port Draghead: clear Deflector: clear

Stbd Draghead: some fish line Deflector: clear

Port Discharge, Fore: clear

Port Discharge, Aft: N/A

Stbd Discharge, Fore: clear

Stbd Discharge, Aft: N/A

Port Skimmer: N/A

Stbd Skimmer: \_\_\_\_\_

Comments: \_\_\_\_\_  
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Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
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Observer(s) On Duty: Eric Phelan

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Norhealy Tscams

Project: Mayport

Date: 12/03/99

Load # 14 Times: Start 0308 End 0345 Dump 0512  
Location(lat/long) 30°23'N 81°24'W Tide floor  
Weather clear, calm sea  
H<sub>2</sub>O Surf.Temp \_\_\_\_\_ Time \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_ Time \_\_\_\_\_ C or F (circle one)

Are there incidents involving endangered or protected species? Yes \_\_\_\_\_ No X

Port Draghead: clear Deflector: clear  
Stbd Draghead: some line Deflector: clear  
Port Discharge, Fore: N/A  
Port Discharge, Aft: clear  
Stbd Discharge, Fore: N/A  
Stbd Discharge, Aft: clear  
Port Skimmer: N/A  
Stbd Skimmer: N/A

Comments: had to wait 1/2 hour in dredging area for traffic.

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: ERIC Pohlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: MayPORT

Date: 12/03/99

Load # 15 Times: Start 0613 End 0658 Dump 0750  
Location(lat/long) 30°23'N 81°24'N Tide flow  
Weather mostly clear seas winds calm  
H<sub>2</sub>O Surf.Temp \_\_\_\_\_ Time \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_ Time \_\_\_\_\_ C or F (circle one)

Are there incidents involving endangered or protected species? Yes \_\_\_\_\_ No X

Port Draghead: OK Deflector: OK

Stbd Draghead: \_\_\_\_\_ Deflector: \_\_\_\_\_

Port Discharge, Fore: OK

Port Discharge, Aft: NA

Stbd Discharge, Fore: OK; rope, grass

Stbd Discharge, Aft: NA

Port Skimmer: NA

Stbd Skimmer: \_\_\_\_\_

Comments: \_\_\_\_\_

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
<u>Tt</u>	<u>8-10</u>	<u>0730</u>	<u>en route to dump</u>
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Observer(s) On Duty: K. Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northery Island

Project: Mayport

Date: 12/03/99

Load # 16 Times: Start 0900 End 0940 Dump 1027  
Location(lat/long) 30°23'N 81°24'W Tide ESTS  
Weather seas 1-2' N 5-8 mostly clear  
H<sub>2</sub>O Surf.Temp \_\_\_\_\_ Time \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_ Time \_\_\_\_\_ C or F (circle one)

Are there incidents involving endangered or protected species? Yes \_\_\_\_\_ No X

Port Draghead: trash Deflector: OK  
Stbd Draghead: line, wire, trash Deflector: \_\_\_\_\_  
Port Discharge, Fore: OK  
Port Discharge, Aft: NA  
Stbd Discharge, Fore: OK  
Stbd Discharge, Aft: NA  
Port Skimmer: NA  
Stbd Skimmer: \_\_\_\_\_

Comments: \_\_\_\_\_  
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Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
<u>Tursiops truncatus</u>	<u>68</u>	<u>1060</u>	<u>9/30th/decrap site</u>
_____	_____	_____	_____
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Observer(s) On Duty: Kirsten Dahler

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Manpot

Date: 12/03/99

Load # 17 Times: Start 1141 End 1217 Dump B11  
Location(lat/long) 30°23'N 81°24'W Tide Slack + Flood  
Weather mostly clear NS-10 seas 1-2'  
H<sub>2</sub>O Surf.Temp \_\_\_\_\_ Time \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_ Time \_\_\_\_\_ C or F (circle one)

Are there incidents involving endangered or protected species? Yes \_\_\_\_\_ No \_\_\_\_\_

Port Draghead: \_\_\_\_\_ Deflector: \_\_\_\_\_  
Stbd Draghead: \_\_\_\_\_ Deflector: \_\_\_\_\_  
Port Discharge, Fore: \_\_\_\_\_  
Port Discharge, Aft: NA  
Stbd Discharge, Fore: \_\_\_\_\_  
Stbd Discharge, Aft: NA  
Port Skimmer: NA  
Stbd Skimmer: \_\_\_\_\_

Comments: \_\_\_\_\_  
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Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
<u>TE</u>			

Observer(s) On Duty: A. Dahl

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12/03/99

Load # 18 Times: Start 1413 End 1450 Dump 165  
Location(lat/long) 30°23'N 81°24'W Tide \_\_\_\_\_  
Weather partly cloudy NS-10 seas 1-2'  
H<sub>2</sub>O Surf.Temp \_\_\_\_\_ Time \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_ Time \_\_\_\_\_ C or F (circle one)

Are there incidents involving endangered or protected species? Yes \_\_\_\_\_ No X

Port Draghead: ok Deflector: ok

Stbd Draghead: \_\_\_\_\_ Deflector: \_\_\_\_\_

Port Discharge, Fore: aerobic

Port Discharge, Aft: NA

Stbd Discharge, Fore: ok

Stbd Discharge, Aft: NA

Port Skimmer: NA

Stbd Skimmer: \_\_\_\_\_

Comments: \_\_\_\_\_  
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Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
<u>TE</u>	<u>many</u>	<u>12400-1600</u>	<u>en route to dump</u>
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Observer(s) On Duty: K. Dahler

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12/03/99

Load # 19 Times: Start 1715 End 1748 Dump 1844  
Location(lat/long) 30°23'N 81°24'W Tide Slack  
Weather Partly cloudy skies calm seas  
H<sub>2</sub>O Surf. Temp 54° Time 1800 Below Mid-Depth \_\_\_\_\_ Time \_\_\_\_\_ C or  (circle one)

Are there incidents involving endangered or protected species? Yes \_\_\_\_\_ No

Port Draghead: OK Deflector: OK  
Stbd Draghead: OK Deflector: OK  
Port Discharge, Fore: OK  
Port Discharge, Aft: NA  
Stbd Discharge, Fore: few plastic bottles  
Stbd Discharge, Aft: NA  
Port Skimmer: NA  
Stbd Skimmer: \_\_\_\_\_

Comments: \_\_\_\_\_  
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Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
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Observer(s) On Duty: Eac Johnson

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12/03/99

Load # 20 Times: Start 2005 End 2050 Dump 2141  
Location(lat/long) 30° 23' N 81° 24' W Tide ESS  
Weather Cloudy, Partly, slight wind N, calm seas  
H<sub>2</sub>O Surf.Temp. 54° Time \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_ Time \_\_\_\_\_ C or  (circle one)

Are there incidents involving endangered or protected species? Yes \_\_\_\_\_ No

Port Draghead: fish Deflector: OK

Stbd Draghead: OK, some trash Deflector: OK

Port Discharge, Fore: OK

Port Discharge, Aft: NA

Stbd Discharge, Fore: OK

Stbd Discharge, Aft: NA

Port Skimmer: NA

Stbd Skimmer: NA

Comments: \_\_\_\_\_  
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Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
<u>URSUS TRUNCATUS</u>	<u>6-10</u>	<u>2030-2050</u>	<u>PORT SIDE, IN JETTY PILING CUT</u>
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Observer(s) On Duty: Eric Pohlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12/03/99

Load # 21 Times: Start 2252 End 2332 Dump 0028  
Location(lat/long) 30° 23' N 81° 24' W Tide ~~ERB~~ ERB  
Weather cloudy; wind 5mph N, seas calm  
H<sub>2</sub>O Surf. Temp 54° Time 2249 Below Mid-Depth \_\_\_\_\_ Time \_\_\_\_\_ C or  (circle one)

Are there incidents involving endangered or protected species? Yes \_\_\_\_\_ No

Port Draghead: ok Deflector: ok

Stbd Draghead: ok Deflector: ok

Port Discharge, Fore: ok

Port Discharge, Aft: N/A

Stbd Discharge, Fore: ok

Stbd Discharge, Aft: N/A

Port Skimmer: N/A

Stbd Skimmer: \_\_\_\_\_

Comments: \_\_\_\_\_  
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Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
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Observer(s) On Duty: ERIC JOHMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12/04/99

Load # 22 Times: Start 0138 End 0228 Dump 0333

Location(lat/long) 36° 23' N 81° 24' W Tide \_\_\_\_\_

Weather cloudy with sun, clear seas

H<sub>2</sub>O Surf. Temp \_\_\_\_\_ Time \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_ Time \_\_\_\_\_ C or F (circle one)

Are there incidents involving endangered or protected species? Yes \_\_\_\_\_ No X

Port Draghead: OK Deflector: OK

Stbd Draghead: OK Deflector: OK

Port Discharge, Fore: OK

Port Discharge, Aft: N/A

Stbd Discharge, Fore: OK

Stbd Discharge, Aft: N/A

Port Skimmer: N/A

Stbd Skimmer: N/A

Comments: \_\_\_\_\_

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Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
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Observer(s) On Duty: CRIPFORD

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12/04/99

Load # 23 Times: Start 0433 End 0509 Dump 0604  
Location(lat/long) 30°23'N 81°24'W Tide Flood  
Weather cloudy, light wind from N, calm seas  
H<sub>2</sub>O Surf. Temp \_\_\_\_\_ Time \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_ Time \_\_\_\_\_ C or F (circle one)

Are there incidents involving endangered or protected species? Yes \_\_\_\_\_ No X

Port Draghead: ROPE Deflector: OK

Stbd Draghead: OK Deflector: OK

Port Discharge, Fore: OK

Port Discharge, Aft: N/A

Stbd Discharge, Fore: fish (flounder)

Stbd Discharge, Aft: N/A

Port Skimmer: N/A

Stbd Skimmer: \_\_\_\_\_

Comments: \_\_\_\_\_

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Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
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Observer(s) On Duty: Eric Pohlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Iscans

Project: Mayport

Date: 12/04/99

Load # 24 Times: Start 0707 End 0745 Dump 0836

Location(lat/long) 30°23N 81°24W Tide Flood

Weather cloudy seas 1-3' wind at N ans

H<sub>2</sub>O Surf.Temp 68° Time 0600 Below Mid-Depth 68° Time 0600 C or  (circle one)

Are there incidents involving endangered or protected species? Yes  No

Port Draghead: ok Deflector: ok

Stbd Draghead: \_\_\_\_\_ Deflector: \_\_\_\_\_

Port Discharge, Fore: ok

Port Discharge, Aft: NA

Stbd Discharge, Fore: ok

Stbd Discharge, Aft: NA

Port Skimmer: NA

Stbd Skimmer: \_\_\_\_\_

Comments: \_\_\_\_\_

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Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
<u>Tursiops truncatus</u>	<u>6-12</u>	<u>0800</u>	<u>outside jetties</u>
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Observer(s) On Duty: Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 04 / 99

Load # 26 Start 0945 End 1023 Dump 1114

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) Cloudy, 1-2' seas, lt N winds, 60'S

Water Temp., Surface 54° Below Mid-Depth 53°

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead \_\_\_\_\_ Deflector \_\_\_\_\_

Port Inflow, Fore ok Mid \_\_\_\_\_

Port Inflow, Aft NA \_\_\_\_\_

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft NA \_\_\_\_\_

Port Overflow, Primary NA Secondary NA

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>Tursiops truncatus</u>	<u>10-18</u>	<u>(1020-1045) 1736' very scattered pod of 15 females, juveniles w/in 500 yd radius of t.d.</u>
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Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 04 / 99

Load # 26 Start 1230 End 1334 Dump 1420

Location (lat/long, stations) 30°23'N 81°24'N Tide Stage E66

Weather (wind dir, beaufort, sea state, temp, etc.) cloudy, 60's, seas 1-3', windy NW, etc.

Water Temp., Surface \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_

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

Note biological samples:

Port Draghead Busynan carica (crabbed wheel) Deflector OK

Stbd Draghead Leptogorgia virgulata (sea whip) Deflector \_\_\_\_\_

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary NA Secondary NA

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

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Bridge Watch Summary

Species # of Animals Time / Location / Comments

Tursiops truncatus 6-8 1300- 2000 hrs

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Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 04 / 99

Load # 27 Start 1530 End 1614 Dump 1713

Location (lat/long, stations) 30° 23' N 81° 24' W Tide Stage ebb - slack → flood

Weather (wind dir, beaufort, sea state, temp, etc.) cloudy SE 5 sea 1-3' 60's

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 OK Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary NA

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

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Bridge Watch Summary

Species # of Animals Time / Location / Comments

Turkeys ~~traces~~ 4-6 1800 @ dump

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Observer(s) on duty Kirsten Dahler

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mapport

Date: 12 / 04 / 99

Load # 28 Start 1817 End 1922 Dump 2017

Location (lat/long, stations) 30° 23' N 81° 24' W Tide Stage flood

Weather (wind dir, beaufort, sea state, temp, etc.) cloudy, wind SE 5; 60's, sea

1/4 Water Temp., Surface 64°F Below Mid-Depth \_\_\_\_\_

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead ok Deflector ok

Stbd Draghead ok Deflector ok

Port Inflow, Fore ok Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary NA Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty ERIC POWERS

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northbery Tream

Project: Mayport

Date: 12/04/99

Load # 29 Start 2125 End 2224 Dump 2313

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage EBR

Weather (wind dir, beaufort, sea state, temp, etc.) Cloudy, wind 7 mph SE

1 seas. Water Temp., Surface 64°F Below Mid-Depth \_\_\_\_\_

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead fishing line Deflector OK

Stbd Draghead fishing line Deflector \_\_\_\_\_

Port Inflow, Fore ok Mid \_\_\_\_\_

Port Inflow, Aft N/A \_\_\_\_\_

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft N/A \_\_\_\_\_

Port Overflow, Primary N/A Secondary N/A

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty Eric Palmer

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northwest Islands

Project: May Post

Date: 12 105 199

Load # 30 Start 1233 End 0131 Dump 230

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage EBS, Flood

Weather (wind dir, beaufort, sea state, temp, etc.) cloudy, winds 5 mph SE sea calm

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 OK Deflector OK

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft N/A

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft N/A

Port Overflow, Primary N/A Secondary N/A

Stbd Overflow, Primary N/A Secondary N/A

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

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Bridge Watch Summary

Species # of Animals Time / Location / Comments

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Observer(s) on duty ERIC POHMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Isam

Project: May Point

Date: 12/05/99

Load # ~~111~~ 31 Start 0330 End 419 Dump 0520

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage Flood

Weather (wind dir, beaufort, sea state, temp, etc.) cloudy, light rain, winds SE

1-3 seas 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 OK Deflector OK

Port Inflow, Fore Horseshoe Crabs, Skate Mid \_\_\_\_\_

Port Inflow, Aft N/A

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft N/A

Port Overflow, Primary N/A Secondary \_\_\_\_\_

Stbd Overflow, Primary N/A Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Eric Bohman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northeely Iscans

Project: MayPover

Date: 12/05/99

Load # 32 Start 0634 End 0720 Dump 0820

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage Flood

Weather (wind dir, beaufort, sea state, temp, etc.) p cloudy SE 5 sea 1.3'

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 ok Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary NA

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>TT</u>	<u>6-12</u>	<u>0745-0840 way to dump (+ back)</u>
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Observer(s) on duty Hirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 05 / 99

Load # 33 Start 0923 End 1035 Dump 1125

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage flood

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy seas 1-3' winds SW/S; 7-12

Water Temp., Surface \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead oh Deflector oh

Stbd Draghead \_\_\_\_\_ Deflector \_\_\_\_\_

Port Inflow, Fore oh Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore channeled wheel (Bucyrus combination) Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary NA

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

0935 ship (at 60 miles) reported sighting of Eubalanus glacialis offshore (not within 15nm)

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>Tt</u>	<u>4-10</u>	<u>1045 - just outside jetties</u>

Observer(s) on duty Kirsten Dahler

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mowpart

Date: 12 / 05 / 99

Load # 34 Start 1243 End 1355 Dump 1458

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) P. Cloudy SWS seas 1-3' 74°

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 OK Deflector OK

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary NA

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>TE</u>	<u>8-12</u>	<u>95 jetties feeding 1400-1430</u>
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Observer(s) on duty Kirsten Dahler

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 05 / 99

Load # 35 Start 1555 End 1630 Dump 1737

Location (lat/long, stations) 30° 23' N 81° 24' W Tide Stage Ebb

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy SWS seas 1.5 78°

Water Temp., Surface 19° Below Mid-Depth \_\_\_\_\_

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

Note biological samples:

Port Draghead ok Deflector 072

Stbd Draghead \_\_\_\_\_ Deflector \_\_\_\_\_

Port Inflow, Fore ok Mid \_\_\_\_\_

Port Inflow, Aft NA \_\_\_\_\_

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft NA \_\_\_\_\_

Port Overflow, Primary NA Secondary NA

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>TE</u>	<u>10-15</u>	<u>1645-1730 o/s jetties</u>
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Observer(s) on duty Kristen Dahler

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 05 / 99

Load # 36 Start 1836 End 1940 Dump 2042

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage FLOOD

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy seas 1-4'  
wind SE Water Temp., Surface 17°C Below Mid-Depth \_\_\_\_\_

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead ok Deflector ok

Stbd Draghead ok Deflector ok

Port Inflow, Fore ok Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary NA

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty ERIC BOHLER

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northwary ISL

Project: May Port

Date: 12 / 05 / 99

Load # 37 Start 2148 End 2230 Dump 2326

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage EBS

Weather (wind dir, beaufort, sea state, temp, etc.) cloudy, wind SE, 1-4' seas

Water Temp., Surface 17°C Below Mid-Depth \_\_\_\_\_

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead ok Deflector ok

Stbd Draghead ok Deflector ok

Port Inflow, Fore ok Mid \_\_\_\_\_

Port Inflow, Aft N/A

Stbd Inflow, Fore flounder (Parotichthys ocellatus) Mid \_\_\_\_\_

Stbd Inflow, Aft N/A

Port Overflow, Primary N/A Secondary N/A

Stbd Overflow, Primary N/A Secondary N/A

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Eric Pohlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Neckerby Iscans

Project: Mayport

Date: 12 106 199

Load # 38 Start 0045 End 0204 Dump 0302

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage EBS

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy, wind SE 5-10

seas 1-4ft Water Temp., Surface 17°C Below Mid-Depth \_\_\_\_\_

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft N/A

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft N/A

Port Overflow, Primary N/A Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty Eric Pohlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Islands

Project: Mayport

Date: 12 / 06 / 99

Load # 39 Start 0408 End 0444 Dump 0545

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage High

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy, wind SE

1-4 ft sea Water Temp., Surface 17°C Below Mid-Depth \_\_\_\_\_

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

Note biological samples:

Port Draghead ok Deflector ok

Stbd Draghead ok Deflector ok

Port Inflow, Fore ok Mid \_\_\_\_\_

Port Inflow, Aft N/A

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft N/A

Port Overflow, Primary N/A Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty ERIC FOLLMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12/06/99

Load # 40 Start 0645 End 0737 Dump 0857

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) \_\_\_\_\_

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 OK Mid \_\_\_\_\_

Port Inflow, Aft NA \_\_\_\_\_

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA \_\_\_\_\_

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

Delay while restoring GPS

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>TE</u>	<u>0700</u>	<u>07s jetties</u>
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Observer(s) on duty Kirsten Dahler

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Monport

Date: 12 / 06 / 99

Load # 41 Start 1004 End 1100 Dump 1200

Location (lat/long, stations) 30° 23' N 81° 24' W Tide Stage ebb

Weather (wind dir, beaufort, sea state, temp, etc.) overcast seas-3' swell/4' SW 5-12 rain showers  
76° Water Temp., Surface 18°C Below Mid-Depth 18°C

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore OK Mid                     

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid                     

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary                     

Stbd Overflow, Primary                      Secondary                     

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>TE</u>	<u>10-15</u>	<u>1115 - group of 10-15 always at end of jetties</u>
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Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northeily Island

Project: Mayport

Date: 12 / 06 / 99

Load # 42 Start 1335 End 1458 Dump 1555

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage E66

Weather (wind dir, beaufort, sea state, temp, etc.) cloudy, rain showers, 68°, SW 5-8 seas 1-3'

Water Temp., Surface 18° C Below Mid-Depth 18° C (16° F)

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead Leptogorgia virgulata (Sea whip) Deflector \_\_\_\_\_

Stbd Draghead wh Deflector \_\_\_\_\_

Port Inflow, Fore wh Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore wh Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>TE</u>	<u><del>1500</del> 10</u>	<u>1500 feeding 9/5 jetties</u>
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Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mompot

Date: 12 / 06 / 99

Load # 43 Start 1652 End 1726 Dump 1825

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) overcast, SW 5-8 seas 1-2', 68°F

Water Temp., Surface 18°C 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 OK Mid \_\_\_\_\_

Port Inflow, Aft NA \_\_\_\_\_

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA \_\_\_\_\_

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>TE</u>	_____	_____
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Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 06 / 99

Load # 44 Start 1920 End 2003 Dump 2106

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) overcast; wind ~~NW~~ W 5-10; Seas 2-4;

Water Temp., Surface 18°C Below Mid-Depth \_\_\_\_\_

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead ok Deflector ok

Stbd Draghead ok Deflector ok

Port Inflow, Fore ok Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty ERIC BAUMANN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: May 2020

Date: 12-10-1999

Load # 45 Start 2210 End 2312 Dump 0008

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage EBSS

Weather (wind dir, beaufort, sea state, temp, etc.) Partly cloudy, winds 5-10  
seas 2-4 ft Water Temp., Surface 18°C Below Mid-Depth \_\_\_\_\_

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead ok Deflector ok

Stbd Draghead ok Deflector ok

Port Inflow, Fore ok Mid \_\_\_\_\_

Port Inflow, Aft N/A

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft N/A

Port Overflow, Primary N/A Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

Species	# of Animals	Time / Location / Comments

Observer(s) on duty ERIC FOLMER

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Iscows

Project: Mayport

Date: 12/07/99

Load # 46 Start 121 End 239 Dump 338  
Location (lat/long, stations) 30°23'N 81°24'W Tide Stage EBB  
Weather (wind dir, beaufort, sea state, temp, etc.) clear, wind N 15-25,  
seas 2-5 Water Temp., Surface 17°C Below Mid-Depth \_\_\_\_\_

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead ok Deflector ok

Stbd Draghead ok Deflector ok

Port Inflow, Fore 2 (BUSYCON CONTRARIUM) Mid \_\_\_\_\_

Port Inflow, Aft N/A

Stbd Inflow, Fore \_\_\_\_\_ Mid \_\_\_\_\_

Stbd Inflow, Aft N/A

Port Overflow, Primary N/A Secondary \_\_\_\_\_

Stbd Overflow, Primary N/A Secondary \_\_\_\_\_

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

found two large (15, 18cm) Lightning Whelk (BUSYCON  
CONTRARIUM) in the port Inflow, both seem alive  
a well, shown them back inside jetty BUT outside  
Dig area.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty ERIC POHMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Islands

Project: May Poot

Date: 12/7/99

Load # 47 Start 0445 End 0512 Dump 0613

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy. Mus N 15-20

Seas 1-3' Water Temp., Surface 17°C Below Mid-Depth \_\_\_\_\_

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft N/A

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft N/A

Port Overflow, Primary N/A Secondary \_\_\_\_\_

Stbd Overflow, Primary N/A Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty ERIC POOLAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: ~~Northemly~~ Islands

Project: Mayport

Date: 12/07/199

Load # 48 Start 0715 End 0757 Dump 0906

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage Flood

Weather (wind dir, beaufort, sea state, temp, etc.) cloudy seas 12' wind NESW cold!

Water Temp., Surface 17°C Below Mid-Depth 17°C 0800h

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead \_\_\_\_\_ Deflector \_\_\_\_\_

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>TE</u>	<u>10-12</u>	<u>0800 feeding @ jetties</u>
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Observer(s) on duty Kirsten Dahler

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 07 / 99

Load # 49 Start 1011 End 1054 Dump 1155

Location (lat/long, stations) 20° 23' N 81° 24' W Tide Stage FLOOD

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy, seas 1-2' winds ENE 5 57°F

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 OK Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>TE</u>	<u>10-16</u>	<u>1100 07s jetties</u>
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Observer(s) on duty Kristen Dahler

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 07 / 99

Load # 50 Start 1307 End 1427 Dump 1521

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage Ebb

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy WNE 5 seas 1/2' 58°C

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 NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>TE</u>	<u>10-12</u>	<u>1440-1515 en route to dump</u>
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Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mamport

Date: 12 / 07 / 99

Load # 51 Start 1626 End 1739 Dump 1849

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage ebb

Weather (wind dir, beaufort, sea state, temp, etc.) mostly sunny seas 1-2' wind NNE 5-8°F

Water Temp., Surface 17°C Below Mid-Depth 17°C 1630

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 07 / 99

Load # 52 Start 2010 End 2127 Dump 1028

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage FLOOD

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy, wind NE 17

seas 1-4 Water Temp., Surface 17°C Below Mid-Depth \_\_\_\_\_

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Eric Pohlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Tscms

Project: Mayport

Date: 12/8/99

Load # 53 Start 0003 End 0118 Dump 220

Location (lat/long, stations) 30°23N 81°24W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy, winds NE 17

Seas 14 Water Temp., Surface 17°C Below Mid-Depth \_\_\_\_\_

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary N/A Secondary \_\_\_\_\_

Stbd Overflow, Primary N/A Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty ERIC POLINA

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northern Trawl

Project: May Point

Date: 12/08/99

Load # 54 Start 0336 End 0438 Dump 0548

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy, winds NE 10-15,

seen 1-4 Water Temp., Surface 17C Below Mid-Depth \_\_\_\_\_

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft N/A

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft N/A

Port Overflow, Primary N/A Secondary \_\_\_\_\_

Stbd Overflow, Primary N/A Secondary \_\_\_\_\_

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

Species	# of Animals	Time / Location / Comments

Observer(s) on duty ERIC POWELL

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northern Isoms

Project: Mayport

Date: 12 / 08 / 99

Load # 55 Start 1707 End 1822 Dump 1927

Location (lat/long, stations) 30°23 N 81°24 W Tide Stage Slack to Flood

Weather (wind dir, beaufort, sea state, temp, etc.) Partly cloudy, NE 10-15, seas 1-3

Water Temp., Surface 17°C Below Mid-Depth \_\_\_\_\_

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead ok Deflector ok

Stbd Draghead ok Deflector ok

Port Inflow, Fore ok Mid \_\_\_\_\_

Port Inflow, Aft N/A

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft N/A

Port Overflow, Primary N/A Secondary \_\_\_\_\_

Stbd Overflow, Primary N/A Secondary \_\_\_\_\_

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

Species	# of Animals	Time / Location / Comments

Observer(s) on duty ERIC POHMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Iscans

Project: Mayport

Date: 12/8/99

Load # 56 Start 2038 End 2120 Dump 2221

Location (lat/long, stations) 30°23N 81°24W Tide Stage Flood

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy, wind 10-15 NE, seas 1-4'  
Water Temp., Surface 17°C Below Mid-Depth \_\_\_\_\_

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore lot of seaweed Mid \_\_\_\_\_

Port Inflow, Aft N/A

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft N/A

Port Overflow, Primary N/A Secondary \_\_\_\_\_

Stbd Overflow, Primary N/A Secondary \_\_\_\_\_

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

Species	# of Animals	Time / Location / Comments

Observer(s) on duty ERIC POKUNA

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Iscans

Project: Mayport

Date: 12/08/99

Load # 57 Start 2333 End 0103 Dump 0203

Location (lat/long, stations) 30°23N 81°24W Tide Stage EBB

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy, winds 10-15 NE  
seas 1-4 Water Temp., Surface 17°C Below Mid-Depth \_\_\_\_\_

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

Note biological samples:

Port Draghead ok Deflector ok

Stbd Draghead ok Deflector ok

Port Inflow, Fore few crabs and a flounder Mid \_\_\_\_\_

Port Inflow, Aft N/A

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft N/A

Port Overflow, Primary N/A Secondary \_\_\_\_\_

Stbd Overflow, Primary N/A Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty Eric Pohlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Iscans

Project: MayPORT

Date: 12 / 09 / 99

Load # 58 Start 0545 End 0707 Dump 0827

Location (lat/long, stations) 30°23N 81°24W Tide Stage Flood

Weather (wind dir, beaufort, sea state, temp, etc.) fog, 58°, 4 air, seas 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 ok Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>TE</u>	<u>10-15</u>	<u>0730 feeding 0/5 jetties</u>
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Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 09 / 99

Load # 59 Start 0941 End 1126 Dump 1229

Location (lat/long, stations) 30° 23' N 81° 24' W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy seas 1-2' lt. air

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 ok Mid \_\_\_\_\_

Port Inflow, Aft NA \_\_\_\_\_

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft NA \_\_\_\_\_

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>TE</u>	<u>10-25</u>	<u>1200 feeding 95% pellets - more than usual</u>
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Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 09 / 99

Load # 60 Start 1353 End 1543 Dump 1645

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) mostly sunny, light air, seas 1-2'  
Water Temp., Surface 17°C Below Mid-Depth 17°C 0800

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

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead \_\_\_\_\_ Deflector \_\_\_\_\_

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft NA \_\_\_\_\_

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA \_\_\_\_\_

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>TK</u>	<u>10-20</u>	<u>1600 feeding 0/5 x 0/2</u>
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Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 09 / 99

Load # 61 Start 1757 End 1913 Dump 2030

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage EBS, Slack, Flood

Weather (wind dir, beaufort, sea state, temp, etc.) mostly clear at times seas 1-3'  
Water Temp., Surface 17°C Below Mid-Depth 17°C (1600)

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

Note biological samples:

Port Draghead ok Deflector ok

Stbd Draghead ok Deflector ok

Port Inflow, Fore ok Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty Kirsten Dahler + Eric Pohlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 09 / 99

Load # 62

Start 2144

End 2311

Dump 0008

Location (lat/long, stations) 30° 23' N 81° 24' W

Tide Stage ~~0008~~ EBB

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy, calm winds, 6-1 seas

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 ok Deflector ok

Port Inflow, Fore ok Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species # of Animals Time / Location / Comments

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Observer(s) on duty ERIKMA

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Iscans

Project: MayPort

Date: 12/10/99

Load # 63 Start 0138 End 0315 Dump 0418

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) clear, wind calm, sea calm  
61°F Water Temp., Surface 17°C Below Mid-Depth \_\_\_\_\_

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead ok Deflector ok

Stbd Draghead ok Deflector ok

Port Inflow, Fore one crabs Mid \_\_\_\_\_

Port Inflow, Aft N/A

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft N/A

Port Overflow, Primary N/A Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty ERIC POLMAN



ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Nontherly Island

Project: Manpost

Date: 12 / 10 / 99

Load # 65 Start 1014 End 1115 Dump 1214

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage flood

Weather (wind dir, beaufort, sea state, temp, etc.) mostly clear seas 1-2' light air 65°

Water Temp., Surface \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead hog choker (Trinectes maculatus) Deflector OK

Stbd Draghead OK Deflector \_\_\_\_\_

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft NA \_\_\_\_\_

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA \_\_\_\_\_

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>TE</u>	<u>10-15</u>	<u>1125 - feeding outside jetties</u>
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Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northery Island

Project: Mayport

Date: 12 / 10 / 99

Load # 66 Start 1321 End 1451 Dump 1546

Location (lat/long, stations) 30°23' N 81°24' W Tide Stage Ebb

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy seas 1-2' lt air

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 OK Mid \_\_\_\_\_

Port Inflow, Aft NA \_\_\_\_\_

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA \_\_\_\_\_

Port Overflow, Primary N/A Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>TR</u>	<u>10-12</u>	<u>1500 @ jetties</u>
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Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 10 / 99

Load # 67 Start 1651 End 1825 Dump 1930

Location (lat/long, stations) 30°23'N 8°24'W Tide Stage E193 PSL over

Weather (wind dir, beaufort, sea state, temp, etc.) mostly clear steady seas 1-2'

Water Temp., Surface 17C (60) Below Mid-Depth 17C (60)

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead ok Deflector ok

Stbd Draghead ok Deflector ok

Port Inflow, Fore ok Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

a few amount of trash in all dragheads and ropes

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Kirsten Dahler + Eric Pehlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Maupeau

Date: 12/10/99

Load # 68 Start 2030 End 2145 Dump 2244

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage FLOOD

Weather (wind dir, beaufort, sea state, temp, etc.) clear, light winds, 1-2 seas  
Water Temp., Surface 17°C (1600) Below Mid-Depth 17°C (1600)

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead ok Deflector ok

Stbd Draghead ok Deflector ok

Port Inflow, Fore \_\_\_\_\_ Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore a skate, and a crab Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty ERIC FOLMER

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northemby Iscans

Project: Mayfair

Date: 12 / 11 / 99

Load # 69 Start 2344 End 0046 Dump 0143

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage FIS

Weather (wind dir, beaufort, sea state, temp, etc.) clear, calm winds, 1-2 seas

Water Temp., Surface 17°C (63°F) Below Mid-Depth \_\_\_\_\_

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore few crabs Mid \_\_\_\_\_

Port Inflow, Aft N/A

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft N/A

Port Overflow, Primary N/A Secondary \_\_\_\_\_

Stbd Overflow, Primary N/A Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty Eric J. Homan

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northeast Iscans

Project: Mayport

Date: 12 / 11 / 99

Load # 70 Start 257 End 433 Dump 526

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage EB

Weather (wind dir, beaufort, sea state, temp, etc.) clear, light wind, calm  
seas 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 ok Deflector ok

Port Inflow, Fore ok Mid \_\_\_\_\_

Port Inflow, Aft N/A

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft N/A

Port Overflow, Primary N/A Secondary \_\_\_\_\_

Stbd Overflow, Primary N/A Secondary \_\_\_\_\_

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

Species	# of Animals	Time / Location / Comments

Observer(s) on duty ERIC PALM

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Iscans

Project: Mayport

Date: 12/11/99

Load # 71 Start 0635 End 0746 Dump 0853

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage flood

Weather (wind dir, beaufort, sea state, temp, etc.) \_\_\_\_\_

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 NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>Tursiops truncatus</u>	<u>10-15</u>	<u>0800 / feeding + socializing</u>
_____	_____	_____
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Observer(s) on duty Kirsten Dahen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Iscans

Project: Mayport

Date: 12/11/99

Load # 72 Start 1000 End 1115 Dump 1218

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage Flood

Weather (wind dir, beaufort, sea state, temp, etc.) mostly sunny NS-8 seas 12' 64°  
Water Temp., Surface 17° C 800 Below Mid-Depth 17° C 800

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

Species	# of Animals	Time / Location / Comments
<u>FE</u>	<u>10-15</u>	<u>1130 95 yds</u>

Observer(s) on duty Kristen Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 11 / 99

Load # 73 Start 1322 End 1433 Dump 1533

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage ebb

Weather (wind dir, beaufort, sea state, temp, etc.) mostly sunny ebb air sea 1-2'

Water Temp., Surface 17°C Below Mid-Depth 17°C

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore OK Mid OK

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid OK

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary OK

Stbd Overflow, Primary NA Secondary OK

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>TE</u>	<u>10-15</u>	<u>1445 feeding w/ jitters</u>

Observer(s) on duty Kirsten Dahlan

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 11 / 99

Load # 74 Start 1646 End 1841 Dump 1940

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage EBB Slack

Weather (wind dir, beaufort, sea state, temp, etc.) clear, light winds, seas 1-2'

Water Temp., Surface 17°C Below Mid-Depth 17°C

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead ok Deflector ok

Stbd Draghead ok Deflector ok

Port Inflow, Fore ok Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

lots of sand in this load, could see alot (15-20) blue crabs in the load as they dumped.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Eric Pohlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 11 / 199

Load # 75 Start 2056 End 2221 Dump 2325

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage FLOOD

Weather (wind dir, beaufort, sea state, temp, etc.) Clear, LIGHT WIND,

Water Temp., Surface 17°C Below Mid-Depth 17°C

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead ok Deflector ok

Stbd Draghead ok Deflector ok

Port Inflow, Fore ok Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Eric Pohlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 1 / 199

Load # 76 Start 0043 End 0315 Dump 0312

Location (lat/long, stations) 30°23'N 81°21'W Tide Stage EBS

Weather (wind dir, beaufort, sea state, temp, etc.) clear, clam union, 1-2 seas

Water Temp., Surface 17°(0000) Below Mid-Depth 17°(0000)

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore BLUE CRABS Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species # of Animals Time / Location / Comments

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Observer(s) on duty CRP [Signature]

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly TSCans

Project: Mayport

Date: 12 / 12 / 99

Load # 77 Start 0428 End 0648 Dump 0747

Location (lat/long, stations) 30°23N 81°24W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) mostly cloudy It acts very calm

Water Temp., Surface 17°C Below Mid-Depth 17°C

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead \_\_\_\_\_ Deflector \_\_\_\_\_

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft NA \_\_\_\_\_

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA \_\_\_\_\_

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>Tc</u>	<u>5 10-12</u>	<u>0700 0/5 jetties</u>
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Observer(s) on duty Kirsten Dahler

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Iscans

Project: MayPORT

Date: 12 / 12 / 99

Load # 78 Start 0906 End 1008 Dump 1110

Location (lat/long, stations) 30°23N 81°24W Tide Stage low

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy, a fog, lt dis seas 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 ok - horse shoe crab Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore ok hog choker Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species # of Animals Time / Location / Comments

TR 10-15 1020 o/s jetties, some 1/2 charged as well

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Observer(s) on duty Kirsten Dahler

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northwaly Island

Project: Mayport

Date: 12 / 12 / 99

Load # 79 Start 1217 End 1316 Dump 1421

Location (lat/long, stations) 30°23 N 81°24 W Tide Stage flood

Weather (wind dir, beaufort, sea state, temp, etc.) Cloudy Is air seas 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 \_\_\_\_\_

Stbd Draghead \_\_\_\_\_ Deflector OK

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore \_\_\_\_\_ Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>Tursiops truncatus</u>	<u>1020</u>	<u>1330 feeding 75 settlers + in channel</u>
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_____	_____	_____

Observer(s) on duty Kirsten Dahler

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Norwegian Island

Project: Mayport

Date: 12 / 12 / 99

Load # 80 Start 1524 End 1725 Dump ~~1820~~ 1820

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) cloudy/hazy seas' rain

Water Temp., Surface 17°C 1600 Below Mid-Depth 17°C 1600

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead \_\_\_\_\_ Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore \_\_\_\_\_ Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore sh Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>Tursiops truncatus</u>	<u>10-12</u>	<u>1730 feeding @ sea</u>
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Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mapport

Date: 12 / 12 / 99

Load # 81 Start 1928 End 2120 Dump 2223

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage EBB, Flood

Weather (wind dir, beaufort, sea state, temp, etc.) cloudy/hazy, seas 1-2, lt air

Water Temp., Surface 17°C Below Mid-Depth 17°C

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

Note biological samples:

Port Draghead ok Deflector ok

Stbd Draghead ok Deflector ok

Port Inflow, Fore 6 blue crabs, 1 scate Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty Kristen Dahler & Eric Pohlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 12 / 99

Load # 82 Start 2337 End 0047 Dump 203

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage FLOOD

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy, light wind,

1-3 seas Water Temp., Surface 17°C Below Mid-Depth \_\_\_\_\_

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary NA Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty ER Polman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerdy Islands

Project: Mayport

Date: 12 / 13 / 99

Load # 83 Start 0313 End 0541 Dump 0643

Location (lat/long, stations) 30°23N 81°24W Tide Stage E1S13

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy, clear sea,

light wind. 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 ok Deflector \_\_\_\_\_

Port Inflow, Fore ok Mid \_\_\_\_\_

Port Inflow, Aft N/A

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft N/A

Port Overflow, Primary N/A Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty \_\_\_\_\_

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Norshery Island

Project: Mayport

Date: 12 / 13 / 99

Load # 84 Start 0800 End 0928 Dump 1037

Location (lat/long, stations) 36°23N 81°24W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy SE 3-5 seas

Water Temp., Surface 17°C Below Mid-Depth 17°C

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead \_\_\_\_\_ Deflector \_\_\_\_\_

Port Inflow, Fore cleared skate Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species # of Animals Time / Location / Comments

Tursiops truncatus 10-12 0940 @ jetty feeding

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Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northery Island

Project: Mayport

Date: 12 / 13 / 199

Load # 85 Start 1150 End 1248 Dump 1342

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) overcast seas 2-3' with ESE S-W

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 OK Deflector \_\_\_\_\_

Port Inflow, Fore \_\_\_\_\_ Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>TE</u>	<u>10-15</u>	<u>1300 off jetties, feeding</u>
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Observer(s) on duty Kirsten Dahler

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mauport

Date: 12 / 13 / 99

Load # 86 Start 1456 End 1639 Dump 1736

Location (lat/long, stations) 30° 23' N 81° 24' W Tide Stage low

Weather (wind dir, beaufort, sea state, temp, etc.) overcast / SW 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 OK Deflector OK

Stbd Draghead \_\_\_\_\_ Deflector \_\_\_\_\_

Port Inflow, Fore \_\_\_\_\_ Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore \_\_\_\_\_ Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>Tt</u>	<u>1650 10 72</u>	<u>1650 9/5 jetties</u>
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Observer(s) on duty Kirsten Dahler

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 13 / 99

Load # 87 Start 1854 End 2110 Dump 2220

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) mostly cloudy SW 5-10 seas 1-3'

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 ok Deflector ok

Port Inflow, Fore Blue crabs, flounder Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty Kirsten Dahlen + Eric Pohlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 13-14 / 99

Load # 88 Start 2321 End 0155 Dump 0252

Location (lat/long, stations) 30° 23' N 81° 24' W Tide Stage FLOOD

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy sw 10-15 sea 1-4

Water Temp., Surface 7°C @ 0000 Below Mid-Depth \_\_\_\_\_

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead ok Deflector ok

Stbd Draghead ok Deflector ok

Port Inflow, Fore ok Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species # of Animals Time / Location / Comments

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Observer(s) on duty E. J. Johnson

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: MayPoet

Date: 12 / 14 / 99

Load # 89 Start 0412 End 0541 Dump 0631

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage EBS

Weather (wind dir, beaufort, sea state, temp, etc.) mostly cloudy, winds 10 N, swell 1-2

Water Temp., Surface 17°C Below Mid-Depth 12°C

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead ok Deflector ok

Stbd Draghead ok Deflector ok

Port Inflow, Fore ok Mid \_\_\_\_\_

Port Inflow, Aft N/A

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft N/A

Port Overflow, Primary N/A Secondary \_\_\_\_\_

Stbd Overflow, Primary N/A Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty Eric Pohlman



ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 14 / 99

Load # 91 Start 1124 End 1255 Dump 1354

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage Low

Weather (wind dir, beaufort, sea state, temp, etc.) mostly clear w 5 sea 1-3'

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 OK Mid \_\_\_\_\_

Port Inflow, Aft NA \_\_\_\_\_

Stbd Inflow, Fore \_\_\_\_\_ Mid \_\_\_\_\_

Stbd Inflow, Aft NA \_\_\_\_\_

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>Tursiops truncatus</u>	<u>1075</u>	<u>1310 o/s jetties feeding</u>
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Observer(s) on duty Kirsten Dahler

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 14 / 99

Load # 92 Start 1456 End 1644 Dump 1736

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage flood

Weather (wind dir, beaufort, sea state, temp, etc.) clear lt air seas 1'

Water Temp., Surface 17C Below Mid-Depth 17C

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft 1 small black tip shark, blue crabs

Stbd Inflow, Fore \_\_\_\_\_ Mid \_\_\_\_\_

Stbd Inflow, Aft shark parts, blue crabs

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>Tursiops truncatus</u>	<u>10-12</u>	<u>1700 9/5/99</u>
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Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 14 / 199

Load # 93 Start 1850 End 2055 Dump 2156

Location (lat/long, stations) 30° 23' N 81° 24' W Tide Stage EBB

Weather (wind dir, beaufort, sea state, temp, etc.) mostly clear winds - 2+ seas 1'

Water Temp., Surface 17°C Below Mid-Depth 17°C

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary NA Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Kirsten Dahlen + Eric Pohlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 14 / 99

Load # 94 Start 2302 End 0658 Dump 200

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage FLOOD

Weather (wind dir, beaufort, sea state, temp, etc.) clear, light wind, 1-3 cum

Water Temp., Surface 17°C Below Mid-Depth \_\_\_\_\_

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

Note biological samples:

Port Draghead ok Deflector ok

Stbd Draghead ok Deflector ok

Port Inflow, Fore ok Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary NA Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty E. Pohlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: May Port

Date: 12 / 15 / 99

Load # 95 Start 0306 End 0444 Dump 0549

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage Slack ~ High

Weather (wind dir; beaufort, sea state, temp, etc.) mostly clear, light wind, sea 1-3

Water Temp., Surface 17°C Below Mid-Depth 17°C

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead ok Deflector ok

Stbd Draghead ok Deflector ok

Port Inflow, Fore ok Mid \_\_\_\_\_

Port Inflow, Aft blue crabs

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft ok

Port Overflow, Primary R/A Secondary \_\_\_\_\_

Stbd Overflow, Primary A Secondary \_\_\_\_\_

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

crabs all have 2 inflows

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Eric Polman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northeady Island

Project: Mayport

Date: 12 / 15 / 99

Load # 96 Start 0704 End 0837 Dump 0934

Location (lat/long, stations) 30°33'N 81°24'W Tide Stage ebb

Weather (wind dir, beaufort, sea state, temp, etc.) W 6-8 seas 1-2 mostly clear

Water Temp., Surface 17°C Below Mid-Depth 17°C (0800)

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead ok Deflector ok

Stbd Draghead ok Deflector ok

Port Inflow, Fore ok Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary NA Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>Pe</u>	<u>10-15</u>	<u>0930 feeding @ jetties</u>
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_____	_____	_____

Observer(s) on duty Kirsten Dahlan

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Moypart

Date: 12/15/99

Load # 99 Start 1047 End 1254 Dump 1406

Location (lat/long, stations) 38°23'N 81°24'W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy, seas 1', NE S

Water Temp., Surface 17°C Below Mid-Depth 17°C

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead ok Deflector ok

Stbd Draghead tongue fish Deflector ok

Port Inflow, Fore blue crabs (Callinectes sapidus) Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore horseshoe crab (Limulus polyphemus) Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>FE</u>	<u>10-15</u>	<u>1310 outside jetties feeding</u>

Observer(s) on duty Kirsten Dahlen



ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Manport

Date: 12 / 15 / 199

Load # 99 Start 1911 End ~~2239~~ 2241 Dump 2241

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage EBB-SLACK

Weather (wind dir, beaufort, sea state, temp, etc.) light wind, partly cloudy, 1-2 sea

Water Temp., Surface 17°C Below Mid-Depth \_\_\_\_\_

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead OK Deflector \_\_\_\_\_

Stbd Draghead OK Deflector \_\_\_\_\_

Port Inflow, Fore 2 Blue CRBS Mid \_\_\_\_\_

Port Inflow, Aft OK

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft OK

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary NA Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty Eric Pohlman



ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northery Iscans

Project: Mayport

Date: 1/1/

Load # 101 Start 0319 End 0505 Dump 0555

Location (lat/long, stations) 30°23N 81°24W Tide Stage FBS

Weather (wind dir; beaufort, sea state, temp, etc.) NMD NE 15-20, cloudy, seas 4

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 OK Deflector OK

Port Inflow, Fore skate Mid \_\_\_\_\_

Port Inflow, Aft N/A

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft N/A

Port Overflow, Primary N/A Secondary \_\_\_\_\_

Stbd Overflow, Primary N/A Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Eric Pohlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northrock Iscums

Project: Mayport

Date: 12 / 16 / 99

Load # 102 Start 0715 End 0900 Dump 0954

Location (lat/long, stations) 30°23N 81°24W Tide Stage \_\_\_\_\_

Weather (wind dir; beaufort, sea state, temp, etc.) cloudy NW 5-10 seas 2-3

Water Temp., Surface 17c Below Mid-Depth 17c

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

Note biological samples:

Port Draghead Ok Deflector Ok

Stbd Draghead \_\_\_\_\_ Deflector \_\_\_\_\_

Port Inflow, Fore ok Mid \_\_\_\_\_

Port Inflow, Aft NA \_\_\_\_\_

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft NA \_\_\_\_\_

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>TE</u>	<u>10-12</u>	<u>0930 off jetty</u>
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Observer(s) on duty Kirsten Dahler

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 16 / 199

Load # 103 Start 1106 End 1225 Dump 1335

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage flood

Weather (wind dir, beaufort, sea state, temp, etc.) cloudy seas 2-3' winds NE 10-15

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 NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>Te</u>	<u>10-12</u>	<u>at jetties feeding</u>
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Observer(s) on duty Kirsta Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 16 / 99

Load # 104 Start 1441 End 1541 Dump 1645

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage ebb

Weather (wind dir, beaufort, sea state, temp, etc.) cloudy N 5-10 seas 1-2'

Water Temp., Surface 16.5°C Below Mid-Depth 16.5°C

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

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore OK Mid OK

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid OK

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary OK

Stbd Overflow, Primary NA Secondary OK

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

1530- whale plane reports no sightings

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>TE</u>	<u>10-15</u>	<u>1600 fdg 07s channel</u>

Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 16 / 99

Load # 105 Start 1752 End 1922 Dump 2014

Location (lat/long, stations) 30° 23' N 81° 24' W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) pcloudy N3-8 seas 1.3'

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 ok Deflector ok

Port Inflow, Fore ok Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Kirsten Dahler & Eric Pohlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 16 / 99

Load # 106

Start 2132

End 2313

Dump 0018

Location (lat/long, stations) 30° 23' N 81° 24' W

Tide Stage EBS

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy

Water Temp., Surface 17°C Below Mid-Depth 17°C

Are there incidents involving endangered or protected species? YES

NO

Note biological samples:

Port Draghead ok Deflector ok

Stbd Draghead stake, blue crabs Deflector ok

Port Inflow, Fore ok Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty Eric Pohlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northwest Island

Project: Mayport

Date:     /    /    

Load # 107 Start 0127 End 0304 Dump 0353

Location (lat/long, stations) 30°23N 81°24W Tide Stage FLOOD

Weather (wind dir, beaufort, sea state, temp, etc.) ~~partly cloudy~~ partly cloudy, wind N 10-15

seas 1-4 Water Temp., Surface 17°C Below Mid-Depth 17°C

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore OK Mid     

Port Inflow, Aft N/A

Stbd Inflow, Fore OK Mid     

Stbd Inflow, Aft N/A

Port Overflow, Primary N/A Secondary     

Stbd Overflow, Primary N/A Secondary     

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

Species	# of Animals	Time / Location / Comments

Observer(s) on duty

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 17 / 99

Load # 108 Start 0500 End 0630 Dump 0733

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) cloudy winds N10-15 seas 1-4

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 NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: MAMPACT

Date: 12 / 17 / 99

Load # 109 Start 0848 End 1045 Dump 1150

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage ebb

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy NS 10 seas 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 OK Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>TE</u>	<u>10-15</u>	<u>1100 feeding 1/2 jetties</u>
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_____	_____	_____

Observer(s) on duty Kisten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 17 / 199

Load # 110 Start 1324 End 1513 Dump 1620

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage flood

Weather (wind dir, beaufort, sea state, temp, etc.) cloudy seas 4'-6' 62°F

NE 20-30 kts Water Temp., Surface 16.8C Below Mid-Depth 16.5C

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore \_\_\_\_\_ Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore \_\_\_\_\_ Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

1430- whale survey plane called - no whales sighted

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>TE</u>	<u>10-15</u>	<u>1530 off jetties</u>

Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12/17/99

Load # 111 Start 1755 End ~~1800~~ 2006 Dump 2110

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage FLOOD

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy NE 20-25 sea 2-5'

Water Temp., Surface 16.5°C Below Mid-Depth 16.5°C

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty Kirsten Dahler + Eric Pohlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 17 / 99

Load # 112 Start 2255 End 0130 Dump 0250

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage Slack Flood

Weather (wind dir, beaufort, sea state, temp, etc.) cloudy, winds NE 0-5, 2-5 sea

Water Temp., Surface 17°C Below Mid-Depth 17°C

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead ok Deflector ok

Stbd Draghead housed near crabs Deflector ok

Port Inflow, Fore ok Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

Multiple horizontal lines for handwritten notes.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty EAC Rohman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northwaly Isams

Project: Maypoet

Date: 12 / 18 / 99

Load # 113 Start 0723 End 0714 Dump 0816

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) # cloudy NE 10-15 seas 36'

rain/hazy Water Temp., Surface 17°C Below Mid-Depth 17°C

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

Note biological samples:

Port Draghead ok Deflector OK

Stbd Draghead Raja splanteria Deflector \_\_\_\_\_

Port Inflow, Fore ok Mid \_\_\_\_\_

Port Inflow, Aft NA \_\_\_\_\_

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft NA \_\_\_\_\_

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary NA Secondary \_\_\_\_\_

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

low visibility due to haze / low clouds + rain

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>Tt</u>	<u>10-15</u>	<u>0730 off jetties</u>

Observer(s) on duty Kirsten Dahler

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Islands

Project: Mayport

Date: 12 / 18 / 99

Load # 114 Start 0952 End 1320 Dump 1426

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) cloudy / rain seas 3-4' with

NE 10-20 58°F 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 NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary NA Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>TE</u>	<u>15-20</u>	<u>1330 @ S jetties</u>
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_____	_____	_____

Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mumpart

Date: 12 / 18 / 99

Load # 115 Start 1554 End 2019 Dump 2121

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage ebb

Weather (wind dir, beaufort, sea state, temp, etc.) cloudy winds N 10-20 seas 3-5'

Water Temp., Surface 17°C Below Mid-Depth 17°C

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead ok Deflector ok

Stbd Draghead ok Deflector ok

Port Inflow, Fore ok Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

had to stop 2 time to clean out dragheads during dig. was present but saw no by-catch only trash.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Kirsten Dahler Erica Pohlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12/18-19/99

Load # 116 Start 2258 End 0146 Dump 0257

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage FLOOD

Weather (wind dir, beaufort, sea state, temp, etc.) cloudy w/ rain, N 10-20, seas 2-6

Water Temp., Surface 17°C Below Mid-Depth 17°C

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

had to stop once during dredging to clean at Draghead, no biological debris, getting lots of trash.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Eric Pohlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northern Iscums

Project: Mayport

Date: 12/19/99

Load # 117 Start 0430 End 0858 Dump 1000

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) p. cloudy N10-20 seas 2-6'

Water Temp., Surface \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead \_\_\_\_\_ Deflector [Signature]

Stbd Draghead [Signature] Deflector \_\_\_\_\_

Port Inflow, Fore \_\_\_\_\_ Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore [Signature] Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary NA Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>Tursiops truncatus</u>	<u>10-15</u>	<u>0900 1/3 jetties feeding</u>

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Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Iscans

Project: Mayport

Date: 12 / 19 / 99

Load # 118 Start 1157 End 1337 Dump 1435

Location (lat/long, stations) 30° 23 N 81° 24 W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy seas 2-4' N 5-10

Water Temp., Surface \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_

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

Note biological samples:

Port Draghead Oh Deflector Oh

Stbd Draghead \_\_\_\_\_ Deflector \_\_\_\_\_

Port Inflow, Fore \_\_\_\_\_ Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore Oh Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

Species	# of Animals	Time / Location / Comments
<u>Tursiops truncatus</u>	<u>10-20</u>	<u>1345 feeding outside jetties</u>
_____	_____	_____
_____	_____	_____

Observer(s) on duty Kirsten Dahler

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Manport

Date: 12 / 19 / 99

Load # 119 Start 1620 End 1832 Dump 2032

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage flood

Weather (wind dir; beaufort, sea state, temp, etc.) Cloudy WS-10 seas 1-3'

Water Temp., Surface 17°C Below Mid-Depth 17°C

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

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft NA OK

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft OK

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

used all 4 inflows, found lots of trash as  
nothing living or dead.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Kirsten Dahler + Eric Pohlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mapane

Date: 12 / 19 / 99

Load # 120 Start 2202 End 0019 Dump 0135

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage EBS

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy to clear winds W-S-10

Sea 1-3 Water Temp., Surface 17°C Below Mid-Depth 17°C

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary NA 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 Polman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Manport

Date: 12 / 22 / 99

Load # 121 Start 0946 End 1129 Dump 1224

Location (lat/long, stations) 30° 23' N 81° 24' W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) cloudy N 5-10 seas 2-3 heavy

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 NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>TE</u>	<u>10-15</u>	<u>1140 off station</u>
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_____	_____	_____

Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 22 / 99

Load # 122 Start 1415 End 1540 Dump 1630

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage ebb

Weather (wind dir; beaufort, sea state, temp, etc.) cloudy / hazy <sup>ENE</sup> 10-15 seas 1-3'

Water Temp., Surface \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead \_\_\_\_\_ Deflector OK

Stbd Draghead \_\_\_\_\_ Deflector \_\_\_\_\_

Port Inflow, Fore \_\_\_\_\_ Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>TE</u>	<u>1078</u>	<u>1550 1/5 jitter, Feeding</u>
_____	_____	_____
_____	_____	_____

Observer(s) on duty Kirsten Dahler

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northern Island

Project: Mayport

Date: 12 / 22 / 99

Load # 123 Start 1743 End 2110 Dump 2215

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage FLOOD

Weather (wind dir, beaufort, sea state, temp, etc.) overcast/hazy E15 sea 2-3'

Water Temp., Surface 17°C Below Mid-Depth 17°C

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft few blue crabs

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft OK

Port Overflow, Primary N/A Secondary \_\_\_\_\_

Stbd Overflow, Primary N/A Secondary \_\_\_\_\_

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

uses all four walkways

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Kirsten Dahler + Eric Pohlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northernly Island

Project: Mayport

Date: 12 / 23 / 1999

Load # 124 Start 0007 End 0218 Dump 0318

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage EBIS

Weather (wind dir, beaufort, sea state, temp, etc.) doudy, w-wind 10-15N seas 1-3

Water Temp., Surface 17°C Below Mid-Depth 17°C

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

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

Species	# of Animals	Time / Location / Comments

Observer(s) on duty ERIC Pohlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12/23/99

Load # 125 Start 0456 End 0608 Dump 0720

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage Flood

Weather (wind dir, beaufort, sea state, temp, etc.) \_\_\_\_\_

Water Temp., Surface \_\_\_\_\_ 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 \_\_\_\_\_ Mid \_\_\_\_\_

Port Inflow, Aft NA \_\_\_\_\_

Stbd Inflow, Fore \_\_\_\_\_ Mid \_\_\_\_\_

Stbd Inflow, Aft NA \_\_\_\_\_

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary NA Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species # of Animals Time / Location / Comments

TC 10-15 0630 feeding @ jetty

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Observer(s) on duty Kirsten Dahl

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 23 / 99

Load # 126 Start 0930 End 1110 Dump 1203

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage wt

Weather (wind dir, beaufort, sea state, temp, etc.) cloudy NE 0-15 sea 2-4

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 NA

Stbd Inflow, Fore \_\_\_\_\_ Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary NA Secondary \_\_\_\_\_

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

Species	# of Animals	Time / Location / Comments
<u>TE</u>	<u>1120 10:20</u>	<u>1120 Feeding @ jetties</u>

Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 23 / 99

Load # 127 Start 1400 End 1530 Dump 1633

Location (lat/long, stations) 30° 23' N 81° 24' W Tide Stage ebb

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy NE 10-15 seas 1-3'

Water Temp., Surface \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_

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

Note biological samples:

Port Draghead \_\_\_\_\_ Deflector Oh

Stbd Draghead \_\_\_\_\_ Deflector Oh

Port Inflow, Fore Oh Callinectes Sapidus Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore Oh Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

1300 whale survey plane reports no whales.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>Tursiops truncatus</u>	_____	<u>feeding @ jetties</u>
_____	_____	_____
_____	_____	_____

Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12/23/99

Load # 128 Start 1800 End 2001 Dump 2106

Location (lat/long, stations) 30° 23' N 81° 24' W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) cloudy NE 10-15 seas 3-5

Water Temp., Surface 17°C Below Mid-Depth 17°C

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

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Kirsten Danlen + Eric Pehlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northern Trawl

Project: Myport

Date: 12 / 24 / 99

Load # 129 Start 2215 End 0107 Dump 0204

Location (lat/long, stations) 30°23N 81°24W Tide Stage EBB

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy, wind N 10-20,  
scas 2-4 Water Temp., Surface 17°C Below Mid-Depth 17°C

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore OK Mid OK

Port Inflow, Aft MIA

Stbd Inflow, Fore horse hair fish Mid

Stbd Inflow, Aft MIA

Port Overflow, Primary MIA Secondary

Stbd Overflow, Primary MIA Secondary

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Eric Pohlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Trench

Project: MayPur

Date: 12/24/99

Load # 130 Start 0334 End 0506 Dump 0559

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage EBR

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy, wind NE 15-20,

Sea 1-3 Water Temp., Surface 17°C Below Mid-Depth 17°C

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft N/A

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft N/A

Port Overflow, Primary N/A Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty ERIC BOYMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: MayPore

Date: 12/24/99

Load # 131 Start 0700 End 0858 Dump 1014

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage low

Weather (wind dir, beaufort, sea state, temp, etc.) mostly clear seas 1-3 winds NE 10-15

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 OK Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore mantis shrimp (Squilla empusa) Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>TE</u>	<u>1016</u>	<u>0910 o/s jetties</u>
_____	_____	_____
_____	_____	_____

Observer(s) on duty Kristen Doherty

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Nashbury Islands

Project: Mayport

Date: 12 / 24 / 99

Load # 132 Start 1133 End 1340 Dump 1430

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage ebb

Weather (wind dir, beaufort, sea state, temp, etc.) mostly clear sea 2-3浪高 2 W@10

Water Temp., Surface 17C Below Mid-Depth 17C

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead [Signature] Deflector [Signature]

Stbd Draghead [Signature] Deflector [Signature]

Port Inflow, Fore \_\_\_\_\_ Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore \_\_\_\_\_ Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>TE</u>	<u>10-15</u>	<u>1350 @s jetties</u>
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_____	_____	_____

Observer(s) on duty Kirsten Dahler

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 24 / 99

Load # 133 Start 1604 End 1801 Dump 1914

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) mostly clear seas 2-3 wind W 15-25

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 ok Deflector ok

Port Inflow, Fore ok Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>TE</u>		<u>feeding of jetties</u>
_____	_____	_____
_____	_____	_____

Observer(s) on duty Kirsten Baker Eric Polan

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northby Island

Project: Mayport

Date: 12 / 24 / 99

Load # 134 Start 2019 End 2210 Dump 2315

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) clear, winds N-NE 5-10, seas 0-1

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 OK Deflector OK

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty ERIC BOHMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Islands

Project: Mapnet

Date: 12 125 1 99

Load # 135 Start 0631 End 0228 Dump 0329

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage EBS

Weather (wind dir, beaufort, sea state, temp, etc.) clear, wind N 15-25, sea 4-6

Water Temp., Surface 17°C Below Mid-Depth 17°C

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft N/A

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft N/A

Port Overflow, Primary N/A Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Eric Pohlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Iscans

Project: Mayport

Date: 12 / 25 / 99

Load # B6 Start 0756 End 0700 Dump 0800

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy East 5-10 sea 2.3'

Water Temp., Surface \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead \_\_\_\_\_ Deflector \_\_\_\_\_

Stbd Draghead OK \_\_\_\_\_ Deflector \_\_\_\_\_

Port Inflow, Fore \_\_\_\_\_ Mid \_\_\_\_\_

Port Inflow, Aft NA \_\_\_\_\_

Stbd Inflow, Fore blue crab \_\_\_\_\_ Mid \_\_\_\_\_

Stbd Inflow, Aft NA \_\_\_\_\_

Port Overflow, Primary NA \_\_\_\_\_ Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>FE</u>	<u>1015</u>	<u>0715 Feeding 9's jeties</u>
_____	_____	_____
_____	_____	_____

Observer(s) on duty Kristen Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 25 / 99

Load # 137 Start 0935 End 1128 Dump 1248

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage ebb

Weather (wind dir, beaufort, sea state, temp, etc.) cloudy 20-25 sea 3-5'

Beaufort 5 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 NA

Stbd Inflow, Fore \_\_\_\_\_ Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>Tursiops truncatus</u>	<u>1075</u>	
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_____	_____	_____

Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Naupak

Date: 12 / 25 / 99

Load # 138 Start 1453 End 1655 Dump \_\_\_\_\_

Location (lat/long, stations) 30° 83' N 81° 24' W Tide Stage \_\_\_\_\_

Weather (wind dir; beaufort, sea state, temp, etc.) NNE 25-35 sea 6-10' Beaufort 5 partly cloudy  
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 NA

Stbd Inflow, Fore \_\_\_\_\_ Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>TR</u>	<u>1015</u>	<u>1700 9/2 jetty</u>
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Observer(s) on duty Kirsten Dahler

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12/25/99

Load # 139 Start 1920 End 2117 Dump 2224

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage FLOOD

Weather (wind dir, beaufort, sea state, temp, etc.) clear, winds N 15-20, seas 4-6

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 OK Deflector OK

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Eric Pohlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Maple

Date: 12 / 26 / 99

Load # 140 Start 0008 End 0206 Dump 0258

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage EBB

Weather (wind dir, beaufort, sea state, temp, etc.) clear, sea 5-10N, swell 3-5

Water Temp., Surface 17°C Below Mid-Depth 17°C

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty ERIC FOLMAR

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: MayPORT

Date: 12 / 26 / 99

Load # 141 Start 0430 End 0908 Dump 1020

Location (lat/long, stations) 30°23' N 81°29' W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) N 10-12 sea 12-3' Clear

Water Temp., Surface 16°C Below Mid-Depth 16°C

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead \_\_\_\_\_ Deflector OK

Stbd Draghead OK Deflector \_\_\_\_\_

Port Inflow, Fore \_\_\_\_\_ Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore Raja oglasteria Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

Species	# of Animals	Time / Location / Comments
<u>R</u>	<u>10:15</u>	<u>feeding @ jetty</u>
_____	_____	_____
_____	_____	_____

Observer(s) on duty Kirsten Dahl

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Iscows

Project: MayPORT

Date: 12/26/99

Load # 142 Start 1140 End 1648 Dump 1648

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage \_\_\_\_\_

Weather (wind dir; beaufort, sea state, temp, etc.) NNE 10-15 mostly clear sea 2-3

Water Temp., Surface \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead \_\_\_\_\_ Deflector OK

Stbd Draghead \_\_\_\_\_ Deflector \_\_\_\_\_

Port Inflow, Fore \_\_\_\_\_ Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore \_\_\_\_\_ Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species # of Animals Time / Location / Comments

Tursiops truncatus \_\_\_\_\_ feeding @ jetties

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Observer(s) on duty Kirsten Dahler

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 26 / 19

Load # 143 Start 1810 End 2018 Dump 2145

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage EBS

Weather (wind dir, beaufort, sea state, temp, etc.) Clear, Wind 20-25 West,

Sea 3-5 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 OK Deflector OK

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species # of Animals Time / Location / Comments

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Observer(s) on duty ERIC BAUMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 26 / 99

Load # 144 Start \_\_\_\_\_ End 0138 Dump 0228

Location (lat/long, stations) 30° 23' N 81° 24' W Tide Stage ETS

Weather (wind dir, beaufort, sea state, temp, etc.) clear, waves 1.5-2.0, 2-4

Water Temp., Surface 17°C Below Mid-Depth \_\_\_\_\_

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty GRADY HUMA

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Iscans

Project: Mayport

Date: 12 / 27 / 99

Load # 145 Start 0406 End 0711 Dump 0805

Location (lat/long, stations) 30°23 N 81°24 W Tide Stage ebb

Weather (wind dir, beaufort, sea state, temp, etc.) mostly clear winds W 10-15 seas 2-3

Water Temp., Surface \_\_\_\_\_ Below Mid-Depth \_\_\_\_\_

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead \_\_\_\_\_ Deflector \_\_\_\_\_

Stbd Draghead \_\_\_\_\_ Deflector \_\_\_\_\_

Port Inflow, Fore \_\_\_\_\_ Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore ok Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary NA Secondary \_\_\_\_\_

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

much more clay, shell debris + rocks

Bridge Watch Summary

Species # of Animals Time / Location / Comments

TL \_\_\_\_\_

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Observer(s) on duty Kirsten Dahl

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northern Isms.

Project: Mayport

Date: 12 / 27 / 99

Load # 146 Start 0910 End 1110 Dump 1213

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage flood

Weather (wind dir, beaufort, sea state, temp, etc.) mostly clear W10-15 seas 3-4'

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 OK

Port Inflow, Fore whells Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore whells Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>TE</u>	<u>1015</u>	<u>1115 Feeding @ 15 jetties</u>
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Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 27 / 99

Load # 147 Start 1305 End 1455 Dump 1545

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage Low ebb

Weather (wind dir, beaufort, sea state, temp, etc.) mostly clear W wind 10-15 seas 2-3

Water Temp., Surface 15°C Below Mid-Depth 15°C

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore \_\_\_\_\_ Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore \_\_\_\_\_ Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

Species	# of Animals	Time / Location / Comments
<u>Tursiops truncatus</u>	<u>10-20</u>	<u>1500 feeding 1/5 channel</u>
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Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 27 / 99

Load # 148 Start 1705 End 1905 Dump 2062

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) clear, NW winds 10-15, seas 2-3

Water Temp., Surface 15°C Below Mid-Depth 15°C

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Kirsten Dahlen + Eric Pohlman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 1 / 99

Load # 149 Start 2120 End 2320 Dump 0628

Location (lat/long, stations) \_\_\_\_\_ Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) clear, winds 10-15 west, sea 2-4

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 OK Deflector OK

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary NA Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty [Signature]

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Northerly Island

Project: Mayport

Date: 12 / 28 / 99

Load # 150 Start 0155 End 0350 Dump 0455

Location (lat/long, stations) 30°23'N 81°24'W Tide Stage \_\_\_\_\_

Weather (wind dir, beaufort, sea state, temp, etc.) clear, winds 10-15W, sea 1-4

Water Temp., Surface 16°C Below Mid-Depth \_\_\_\_\_

Are there incidents involving endangered or protected species? YES  NO

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Fore OK Mid \_\_\_\_\_

Port Inflow, Aft NA

Stbd Inflow, Fore OK Mid \_\_\_\_\_

Stbd Inflow, Aft NA

Port Overflow, Primary NA Secondary \_\_\_\_\_

Stbd Overflow, Primary \_\_\_\_\_ Secondary \_\_\_\_\_

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

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Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty ERIC Pohlman