* Relocated from Savannah in the early am. Fogged in till 1230HRS.

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: RN WEEKS

Project: Brunswick, Ga

Date: 02 / 16 / 01

Load # 1 Start 1248 End 1338 Dump 1401

Location (lat/long, stations) Stations : -36+00 >-24+00 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) SW 10-15, Calm>1' seas, Fogged in > Clearing to hazy

76°F>81°F/56°F Water Temp., Surface 54-56°F Below Mid-Depth 52°F

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

Note biological samples:

Port Draghead clear Deflector

Stbd Draghead clear Deflector clear

Port Inflow, Fore } Horseshoe crabs, whelk, sea whip, sponges, tube worms

Port Inflow, Aft } cockle shells, blood worms

Stbd Inflow, Fore }

Stbd Inflow, Aft }

Port Overflow, Primary } clear few Horseshoe crabs taken

Stbd Overflow, Primary }

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

LOAD#	START	STOP	DUMP	NOTES	LOAD#	START	STOP	DUMP	NOTES
2	1447	1538	1601						
3	1638	1731	1756	material & By catch remains the same					
4	1823	1910	1956						
5	2029	2119	2202	trash					
6	2251	2342	2400	" "					

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tt	2	1252HRS / around #24 / Swimming East

Observer(s) on duty C. CARROLL / P. WESTERMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: RN WEEKS

Project: Brunswick, Ga.

Date: 02 / 17 / 01

Cac = 7 Start 0040 End 0140 Dump 0200

Location (lat/long, stations) Cloudy, Sct. Rain, 1-3' sea swell Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) Station: -36+00 > -24+00 28+000 + 29+000 B+F

NW 15-20 mph / SW 3-6 Water Temp., Surface 54-56°F Below Mid-Depth 53°F

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead — Deflector —

Stbd Draghead clear Deflector clear

Port Inflow, Fore } Horseshoe crabs, sea whip, whelk, tube worms, cockle shells

Port Inflow, Aft } blood worms, clams, eels, sponges,

Stbd Inflow, Fore } *NOTE: Lemon Shark (4 foot) taken (Head & Pectoral fins taken)

Stbd Inflow, Aft }

Port Overflow, Primary } Clear: Few Horseshoe crabs taken.

Stbd Overflow, Primary }

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

LOAD #	START	STOP	DUMP	NOTES
#8	0240	0335	0357	" "
#9	0445	0532	0600	Material + Bycatch: SAME
#10	0629	0717	0756	" "
#11	0821	0910	0946	" "
#12	1007	1055	1134	" "
#13	1212	1257	1319	" "
#14	1355	1608	1628	WORKING HUMP IN MIDDLE OF CHANNEL
#15	1706	1806	1829	" same "
#16	1856	1943	2025	
#17	2056	2143	2226	
18	2256	2345	2400	
00	108	0339	0407	28+000 29+000
001				

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tt	4	0848 / Dumpsite / Feeding + Socializing
Tt	1	1239 / Dump / Swimming in toward shore.

Observer(s) on duty C. CARROLL / P. WESTERMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: RN WEEKS

Project: Brunswick, Ga

Date: 02/18/01

Load # 19 Start 0108 End 0313 Dump 0404

Location (lat/long, stations) Stations: 28+00 > 29+00 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) NNE 12-18 (GUSTS TO 25), 2'-3' w chop, Cloudy w Sct. Rain-Clearing late / Seas 3'-7', NNW 20-30 Water Temp., Surface 54°-56° Below Mid-Depth 52°F

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead } clear Deflector clear

Stbd Draghead } Deflector

Port Inflow, Fore } Horseshoe crab, calico crab, skate, whelk sea whip, sponges, cockle

Port Inflow, Aft } shells, sea squirt,

Stbd Inflow, Fore }

Stbd Inflow, Aft }

Port Overflow, Primary } clear > Horseshoe crabs

Stbd Overflow, Primary }

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

LOAD #	START	STOP	DUMP	NOTES	LOAD #	START	STOP	DUMP	NOTES
#20	0451	0600	0625	Material & By-catch remains the same					
#21	0701	0950	1017	" "					
#22	1105	1324	1347	" "					
#23	1930	1643	1708	" "					
#24	1745	1926	2005						
#25	2038	2132	2216						
26	2254	2/19 start							

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty C. CARROLL / P. WESTERMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: RN WEEKS

Project: Brunswick, GA

Date: 2 / 19 / 2001

Cruise # 26 Start 2254 End _____ Dump _____

Location (lat/long, stations) Stations 28+00 - 29+00 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) Winds NE 12-18 Kts, seas 2-3', skies clear

_____ Water Temp., Surface 56°F Below Mid-Depth 52°F

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Dragheads Ø Deflector OK

Stbd Dragheads Ø Deflector OK

Port Inflow, Fore whelk, horseshoe crab, trash, skate, eels

Port Inflow, Aft "

Stbd Inflow, Fore "

Stbd Inflow, Aft "

Port Overflow, Primary Ø

Stbd Overflow, Primary Ø

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

LOAD #	START	STOP	DUMP	NOTES
#26	2254	0000	0024	0
#27	0105	0203	0226	Material Same
#28	0307	0351	0415	By-catch Same
#29	0500	0558	0623	" "
#30	0707	0756	0819	" "
#31	0853	0942	1016	" "
#32	1044	1135	1208	" "
#33	1240	1604	1635	Whale sighted

LOAD #	START	STOP	DUMP	NOTES
#34	1717	2007	2036	
#35	2113	2204	2246	
#36	2319	0057	0111	
37	0143			
				* SLOW BELL D NIGHT

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty C. CARROLL / P. WESTERMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: RN WEEKS

Project: Brunswick, GA.

Date: 2 / 20 / 01

Load # 36 Start 2319 End 0051 Dump 0111

Location (lat/long, stations) Stations 28+00 to 29+00. b+f Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) Hazy, NNW 3-5, SEAS 1-2' SCATTERED

_____ Water Temp., Surface 58°F Below Mid-Depth 57°F

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead Ø Deflector OK

Stbd Draghead Ø Deflector OK

Port Inflow, Fore horseshoe crab, whelks, seastar, trash - sparse debris

Port Inflow, Aft " fishing Net, " Eels, sea trout

Stbd Inflow, Fore "

Stbd Inflow, Aft "

Port Overflow, Primary Ø

Stbd Overflow, Primary Ø

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

LOAD #	START	STOP	DUMP	NOTES
37	0143	0515	~~0545~~	dry load sand
38	0627	0743	0808	* RIGHT WHALE SIGHTED (SEE ATTACHED)
39	0836	0926	1009	same
40	1115	1206	1236	" "
41	1314	1738	1807	
42	1647	1958	2023	
43	~~2056~~	2148	2231	
44	2304	2400	0044	

LOAD #	START	STOP	DUMP	NOTES
				* Slow Ball Tonight !

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
(NRW) EUBALAENA GLACIALIS	2	0900 / DUMP AREA / SEE ATTACHED CETACEAN DATA SHEET

Observer(s) on duty C. CARROLL / P. WESTERMAN

31.02 81 16.7

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: RN WEEKS

Project: Brunswick GA

Date: 2/20/01

Load = 44 Start 2304 End 2400 Dump 0044

Location (lat/long, stations) Stations 28+00 to 29+00 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) Wind calm, seas calm, skies clear SSW 4-6, Cloudy Water Temp., Surface 60-61°F Below Mid-Depth 56°F 58°F

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

Note biological samples:

Port Dragnead Ø Deflector OK

Stbd Dragnead Ø Deflector OK

Port Inflow, Fore horseshoe crab, whelks, wood trash, skate Dogfish

Port Inflow, Aft " Sea Squirts

Stbd Inflow, Fore "

Stbd Inflow, Aft "

Port Overflow, Primary Ø Slow bell

Stbd Overflow, Primary Ø

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

LOAD#	START	STOP	DUMP	NOTES	LOAD#	START	STOP	DUMP	NOTES
45	0110	0152	0228	Bycatch + Material the same					
46	0308	0829	0853	" "					
47	0923	1017	1053	" "					
48	1121	1215	1420	" "					
49	1319	1400	1555	" "					
50	1455	1535							
51	1900	2017	2048						
52	2127	2307	2341						

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty C. CARROLL / P. WESTERMAN

ENDANGERED SPECIES OBSERVER PROGRAM

0013 0101 02122 mistake 53

Dredge: RN WEEKS

Project: Brunswick, GA

Date: 2 / 22 / 01

Load # = 54 Start 0243 End 0638 Dump 0703

Location (lat/long, stations) Stations 28+00 - 29+00 24+00 26+00 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) winds E 0-5 kts, seas calm skies PCldy

_____ Water Temp., Surface 60-61°F Below Mid-Depth 56-58°F

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead Ø Deflector OK

Stbd Draghead Ø Deflector OK

Port Inflow, Fore horseshoe crabs (10) whelks, trash, Sea Squirts, Sponges

Port Inflow, Aft " Sea whip", cockle shell, Channel whelks, small sea bass

Stbd Inflow, Fore " "

Stbd Inflow, Aft " "

Port Overflow, Primary Ø

Stbd Overflow, Primary Ø

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

LOAD #	START	STOP	DUMP	NOTES	LOAD #	START	STOP	DUMP	NOTES
55	0742 0048	0920	0946						
56	1012	1140	1201						
57	1226	1358	1417						
58	1438	1607	1638						
59	1658	1833	1902						
60	1924	2103	2130						
61	2155	2334	2406						
62									

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
T/B	3	1341/B 2-3 / Feeding + Socializing

Observer(s) on duty C. CARROLL / P. WESTERMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: RN WEEKS

Project: Brunswick, GA

Date: 2 / 23 / 2001

Load # 62 Start 0025 End 0216 Dump 0230

Location (lat/long, stations) Stations 28+500 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) Winds NE 15-20 seas 3-4 skies Over Cast/Rain

Water Temp., Surface 58°F-59°F Below Mid-Depth 56°-57°F

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Dragnead Ø Deflector OK

Stbd Dragnead Ø Deflector OK

Port Inflow, Fore Horseshoe crab, eels, sea whip, Knot-whelk, Channel whelk, sea squirts, spider crab, sponges

Port Inflow, Aft

Stbd Inflow, Fore

Stbd Inflow, Aft

Port Overflow, Primary Ø

Stbd Overflow, Primary Ø

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

Load #	Start	Stop	Dump	Notes
62	0025	0210	0230	Wood
63	0250	0415	0441	material + Bycatch
64	0508	0638	0707	the same " "
65	0731	0912	0936	" "
66	1029	1200	1243	" "
67	1312	1501	1528	" "
68	1553	1750	1815	
69	1857	2031	2108	
70	2144	2327	2357	
71				

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty C. CARROLL / P. WESTERMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: RN WEEKS

Project: BRUNSWICK, GA

Date: 02 / 24 / 01

Load # 71 Start 0025 End 0215 Dump 0245

Location (lat/long, stations) 36+00 > 38+500 / SECTION 3 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) NNE 10-15, Seas 2'-3', Cloudy, Occ. Rain Haze,

Water Temp., Surface 57° - 58° Below Mid-Depth 55°-56° F

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

Note biological samples:

Port Draghead [illegible] Deflector [illegible]

Stbd Draghead [illegible] Deflector [illegible]

Port Inflow, Fore

Port Inflow, Aft wood, trash, Horseshoe crabs whelks, Atlantic Sturgeon, sponge

Stbd Inflow, Fore sea squirts.

Stbd Inflow, Aft

Port Overflow, Primary

Stbd Overflow, Primary [illegible]

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

LOAD #	START	END	DUMP	NOTES
72	0315	0622	0652	
73	0734	0917	0944	
74	1008	1150	1215	
75	1244	1358	1419	
76	1442	1815	1920	
77	1916	2032	2059	
78	2130	2245	2310	

LOAD #	START	END	DUMP	NOTES
				NO WHALES / NO SLOWBELL!!
				3

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
No whales or turtles sighted this day.		

Observer(s) on duty C. CARROLL / P. WESTERMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: RN WEEKS

Project: BRUNSWICK, GA

Date: 02 / 25 / 01

Load # 79 Start 2344 End 0045 Dump 0100

Location (lat/long, stations) 36+00 > 38+500 / SECTION 3 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) SSE 10-15, SEA SWELL 4'-6', Fog > Clearing to Hazy

_____ Water Temp., Surface 57° - 58° Below Mid-Depth 55°-56° F

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

Note biological samples:

Port Draghead clear Deflector clear

Stbd Draghead clear Deflector clear

Port Inflow, Fore } Horseshoe crabs, Whelk, sea whip, sponges, cockle shells

Port Inflow, Aft } clams.

Stbd Inflow, Fore }

Stbd Inflow, Aft }

Port Overflow, Primary } clear

Stbd Overflow, Primary }

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

LOAD#	START	END	DUMP	NOTES:
80	0115	0230	0255	Bycatch Material) Same
81	0325	0440	0500	" "
82	0520	0637		" "
83	0727	0853	0915	" "
84	0940	1056	1124	" "
85	1147	1300	1322	" "
86	1343	1502	1524	Same
87	1543	1655	1718	" "

LOAD#	START	END	DUMP	NOTES
88	1737	1845	1908	
89	1931	2043	2111	
90	2143	2333	2400	

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
No whales or Turtles sighted		

Observer(s) on duty C. CARROLL / P. WESTERMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: RN WEEKS

Project: BRUNSWICK, GA

Date: 02 / 27 / 01

Load # 99 Start 2240 End 0031 Dump 0045

Location (lat/long, stations) 36+00 > 38+500 / SECTION 3 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) winds calm, seas calm, skies foggy, clear

Water Temp., Surface 57° - 58° Below Mid-Depth 55° - 56° F

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

Note biological samples:

Port Draghead Ø Deflector OK

Stbd Draghead Ø Deflector OK

Port Inflow, Fore " horseshoe crabs, whelks, sponge, trash "

Port Inflow, Aft "

Stbd Inflow, Fore "

Stbd Inflow, Aft "

Port Overflow, Primary Ø

Stbd Overflow, Primary Ø

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

LOAD#	START	END	DUMP	NOTES	LOAD#	START	END	DUMP	NOTES

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty C. CARROLL / P. WESTERMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: RN WEEKS

Project: BRUNSWICK, GA

Date: 02 / 26 / 01

Load # 91 Start 0025 End 0217 Dump 0245

Location (lat/long, stations) 36+00 > 38+500 / SECTION 3 Tide Stage _____

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

_____ Water Temp., Surface 57° - 58° Below Mid-Depth 55°-56° F

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead Ø Deflector OK

Stbd Draghead Ø Deflector OK

Port Inflow, Fore horseshoe crabs, wood, wheelks, trash

Port Inflow, Aft " "

Stbd Inflow, Fore " "

Stbd Inflow, Aft " "

Port Overflow, Primary Ø

Stbd Overflow, Primary Ø

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

LOAD#	START	END	DUMP	NOTES
92	0308	0515	0541	
93	0611	0800	0823	claw, clock, article
94	0844	1037	1100	
95	1122	1311	1333	
96	1352	1601	1630	
97	1645	1845	1900	
98	1945	2136	2205	
99	2240	0031	0045	

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
	3	0825 / DUMPSITE

Observer(s) on duty C. CARROLL / P. WESTERMAN

44

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: RN WEEKS

Project: BRUNSWICK, GA

Date: 02 / 27 / 01

Load # 400 Start 0125 End 0328 Dump 0345

Location (lat/long, stations) 36+00 > 38+500 / SECTION 3 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) wind calm, seas calm, skies calm

_____ Water Temp., Surface 57° - 58° Below Mid-Depth 55°-56° F

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

Note biological samples:

Port Draghead Ø Deflector OK

Stbd Draghead Ø Deflector OK

Port Inflow, Fore wood, trash, horseshoe

Port Inflow, Aft _____

Stbd Inflow, Fore _____

Stbd Inflow, Aft _____

Port Overflow, Primary Ø

Stbd Overflow, Primary Ø

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

LOAD#	START	END	DUMP	NOTES	LOAD#	START	END	DUMP	NOTES

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty C. CARROLL / P. WESTERMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: RN WEEKS

Project: BRUNSWICK, GA

Date: 02 / 17 / 01

Load # 101 Start 0414 End 0530 Dump 0600

Location (lat/long, stations) 36+00 > 38+500 / SECTION 3 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) wind calm seas calm

_____ Water Temp., Surface 57° - 58° Below Mid-Depth 55°-56° F

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

Note biological samples:

Port Draghead Ø Deflector OK

Stbd Draghead Ø Deflector OK

Port Inflow, Fore horseshoe wood trash

Port Inflow, Aft "

Stbd Inflow, Fore "

Stbd Inflow, Aft "

Port Overflow, Primary Ø

Stbd Overflow, Primary Ø

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

LOAD#	START	END	DUMP	NOTES	LOAD#	START	END	DUMP	NOTES

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty C. CARROLL / P. WESTERMAN