ENDANGERD SPECIES OBSERVER PROGRAM

Dredge R.N. Weeks

Project Brunswick, Ga.

DAILY REPORT

Date: 02 / 16 / 01 Loads: #1 thru #6

Area(s) Worked: Stations: -36+00 > -24+00

Weather Conditions: Fog > Clearing w Haze / 1' seas, 81°F > 56°F

Range of H_2O Temperature: Surface 54° - 56°F Below Mid-Depth 52°F

Condition of all screening apparatus: Good condition & effective.

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): Material still consists of Silt, Mud, & Sand. By-catch included samples of:

Horseshoe crabs
Whelk
Sea whip
sponges
tube worms
cockle shells

On site at approx 0600 HRS after transit from Savannah. Fogged in till about 1230 HRS. Started 1st cut at 1248 HRS.

* No whales or turtles sighted this day. Slow bell (8 knots max. as per ACOE) was ordered for this evening.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	2	2	1252 HRS @ #24 / Swimming EAST in Channel.

Observer(s) On Duty: Chris Carroll / Pete Westerman

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge RN WEEKS

Project BRUNSWICK, GA

DAILY REPORT

Date: 02 / 17 / 01 Loads: #7 thru #18

Area(s) Worked: Stations -36+00 > -24+00 / 28+00 > 29+00 BACK + FILL

Weather Conditions: (AM) Cloudy w/sct. rain - Clearing, 1-3' sea swell, NW15-20 Changing to SW3-6

Range of H_2O Temperature: Surface 54° - 56°F Below Mid-Depth 53°F

Condition of all screening apparatus: all screening is in good condition + effective

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

Comments (type of material being dredged, biological specimens, etc.): Material remains the same (Silt, Mud, Sand, with some clay). By catch remains consistant and includes: Horseshoe crab, Small Lemon Shark, Sea Whip, Whelk, Tube Worms, Blood Worms, Cockle Shells, Clams, Eels, sponges

* Slow Bell during Evening hours

No Whales or turtles sighted this day!

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TE	2	5	No new behaviors / Feeding + Socializing

Observer(s) On Duty: C. Carroll / P. Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge RN WEEKS

Project SAVANNAH / BRUNSWICK, GA

WEEKLY SUMMARY

Dates: 02 / 13 / 01 - 02 / 17 / 01 Loads: SAV. #1-#26 / BRUNS. #1-#18

Range of H_2O Temperature: Surface 52°-56°F Below Mid-Depth 50°F - 53°F

Area(s) Worked: Savannah: Stations -32+50 > -45+00 / Brunswick: Stations -36+00 > -24+00

Are there incidents involving endangered or protected species? Yes____ No X

Comments: Dredge R.N.Weeks started digging 02/13/01 at HRS. in above stations. Digging operations continued till 2400HRS on 02/15/01, when the dredge was relocated to Brunswick, Ga. The dredge arrived at approx. 0600HRS on the 16th where it stood by till fog cleare at approx 1200HRS. Dredge operations commenced at 1248HRS and have been continued till this date. Slow bells were ordered every night since arrival in Brunswick.

* No whales or turtles have been sighted during this weekly period!

Bycatch at both locations has included:

Horseshoe Crabs	Tube worms	Sand Dollars
Blue Crabs	Blood Worms	
Spider Crabs	Cockle Shells	
Skates	Clams	
Horse Conch	Sponges	
Sea Stars	Lemon Shark	
Sea Squirts	Dogfish	
Eels	Sea Urchins	

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
	10	16	No new behaviors noted / Swimming, Feeding & Socializing

Observers On Duty: C. Carroll / P. Westerman

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge RN WEEKS

Project Brunswick, GA.

DAILY REPORT

Date: 02 / 18 / 01 Loads: #19-#25

Area(s) Worked: Stations 28+00 to 29+00

Weather Conditions: Winds NNE 12-18 kts, seas 2-3', skies clear

Range of H_2O Temperature: Surface 56°-54°F Below Mid-Depth 52° F

Condition of all screening apparatus: good

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.):

Material dredged was a thick viscous clay with some clay balls and sand.

Biological material included 30-35 horseshoe crabs, several skates, sea whips, sponges, sea squirts, cockle shells and calico crabs

The vessel travelled at slow bell due to Right Whales in the area.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: P Westerman, C Carroll

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge RN WEEKS

Project Brunswick, GA

DAILY REPORT

Date: 02 / 19 / 01 Loads: #26 - #35

Area(s) Worked: Stations 28+00 to 29+00

Weather Conditions: Winds NE 12-18 kts, seas 2-3', skies clear

Range of H_2O Temperature: Surface 56° F Below Mid-Depth 52° F

Condition of all screening apparatus: good

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.):

Material dredged was a mixture sand, clay and clay balls.

Biological material included horseshoe crabs, whelks, skates, eels and crabs. Small amounts of wood and trash were also collected.

Aerial survey spotted Right Whales in the vincinity warranting a slow bell.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: P Westerman, C Carroll

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge RN WEEKS

Project Brunswick, GA

DAILY REPORT

Date: 2 / 21 / 01 Loads: 44-53

Area(s) Worked: Stations 28+00 to 29+00

Weather Conditions: Winds E 0-5 kts, seas calm, skies Partly Cloudy

Range of H_2O Temperature: Surface 60°-61° F Below Mid-Depth 56°-58° F

Condition of all screening apparatus: good

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

Comments (type of material being dredged, biological specimens, etc.):

Material dredged is a mixture of sand, silt and clay.

Biological material included horseshoe crabs, whelks, skates sea squirts and a dogfish.

Aerial survey sighted a Right whale in the area so the vessel will proceed at slow bell after dark.

Water temperatures have gone up several degrees.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: P Westerman, C Carroll

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge RN WEEKS

Project Brunswick, GA.

DAILY REPORT

Date: 2 / 22 / 01 Loads: 53 - 61

Area(s) Worked: Stations 24+00 to 36+00, 28+00 to 29+00

Weather Conditions: Winds E 2-8 kts, seas 0-1', skies Partly Cloud,

Range of H_2O Temperature: Surface 60° - 61° F Below Mid-Depth 56° - 58° F

Condition of all screening apparatus: good

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

Comments (type of material being dredged, biological specimens, etc.):

Material dredged was a mixture of sand, silt and clay

Biological material included horseshoe crabs, whelks, sponges sea whip, cockle shell a small sea bass and a skate. Wood and trash were found in small quantities.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Bottlenosed dolphin (Tt)		3	seen in the channel at 1340

Observer(s) On Duty: P Westerman, C Carroll

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge RN WEEKS

Project Brunswick, GA

DAILY REPORT

Date: 2 / 23 / 01 Loads: 62 - 69

Area(s) Worked: Stations 28+500 B+F

Weather Conditions: Winds NE 15-20 Kts, seas 3'-4', skies Overcast.

Range of H_2O Temperature: Surface 58° - 59° F Below Mid-Depth 56° - 57° F

Condition of all screening apparatus: good

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.):

Material dredged is a mixture of sand, silt and clay.

Biological material included horseshoe crabs, eels, sea whip whelks, sponges sea squirts and spider crabs.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: P Westerman, C Carrol

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge RN WEEKS

Project Brunswick, GA.

DAILY REPORT

Date: 02 / 24 / 01 Loads: 71 - 78

Area(s) Worked: Stations 24+00 to 36+00, 36+00 to 38+50

Weather Conditions: Winds NNE 10-15 kts, seas 2-4', skies Overcast / Rain

Range of H_2O Temperature: Surface 58° F Below Mid-Depth 58° F

Condition of all screening apparatus: good

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.):

Material dredged is a mixture of sand silt and clay.

Biological material included horseshoe crabs, whelks sponges, sea squirts and an atlantic sturgeon.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: P Westerman C Carroll

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: RN WEEKS

Project: Brunswick, GA

WEEKLY SUMMARY

Dates: 2/18/01 - 2/24/01 Loads: 19 thru 78

Range of H_2O Temperature: Surface 54° - 61° F Below Mid-Depth 52° - 58° F

Area(s) Worked: Stations 24+00 to 36+00, 28+00 to 29+00

Are there incidents involving endangered or protected species? Yes____ No X

Comments: Material dredged has been mostly a dark viscous clay, with some sand, silt and clay balls.

Biological specimens remained sparse all week. Horseshoe crabs, whelks, sea squirts, sea whip, sponges, skates, various crabs, eels, sea bass, a sea trout, dogfish and the head of an atlantic sturgeon were found. Other material collected included wood, rock and trash.

A Right Whale mother/calf pair was sighted on 2/20 at the dumpsite. Observers on the other vessel or the aerial survey spotted Right Whales in the area unrenting a slow bell during the night for the first half of the week.

Water temperatures went up significantly in the later part of the week.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Northern Right Whale (Eg)	1	2	Mother/calf pair sighted near the dump at 0800 on 2/20.
Bottlenosed dolphin (Tt)		3	sighted in the channel.

Observers On Duty: Peter Westerman Chris Carroll

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge RN WEEKS

Project Brunswick, GA.

DAILY REPORT

Date: 02 / 20 / 01 Loads: 36 - 43

Area(s) Worked: Stations 28+00 to 29+00

Weather Conditions: Hazy winds NNW 3-5 kts, seas 1'-2' sea swell

Range of H_2O Temperature: Surface 58° F Below Mid-Depth 52° F

Condition of all screening apparatus: good

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.):

Material dredged is a mixture of sand, silt and clay

Biological material was sparse and included horseshoe crabs whelks, eels and a sea trout.

A Right Whale mother/calf pair was spotted at the dump. Slow bell tonight.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Northern Right Whale (Eg)	1	2	a mother/calf pair was spotted at the dump at 0800. See attached Cetacean data sheet.

Observer(s) On Duty: P Westerman, C Carroll

ENDANGERD SPECIES OBSERVER PROGRAM

Cetacean Observation Data

Dredge R.N. WEEKS

Project BRUNSWICK, GA

Date: 02/20/01

Load # 38 Times: Start 0627 End 0743 Dump 0808

Location(lat/long) 31 02.6 N / 81 16.7 W (1 MILE SOUTH) Tide 6.0 V 5.0

Beau Sea State: BSS 1-2 Wind Direction: NNW Speed: 3-5 Cloud Cover(%): 50-60%

H_2O Surf Temp 58°F

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

Sighting #1. Time 0800 Vessel Location (lat/long) 31° 02'.6 N X 81° 16'.7 W

Magnetic Bearing to Sighting 168° Estimated Distance 3/4 - 1 MILE

Species Observed NORTHERN RIGHT WHALE (EUBALAENA GLACIALIS) # of animals 2 (MOTHER / CALF

Vessels Direction of Travel EAST Animals Direction of Travel EAST, SOUTH, WEST

Comments (visual description: length, color flukes, etc.; behaviors observed, surfacing intervals, duration of observation) SPOTTED ADULT FROM DISTANCE (COULD NOT SEE ANY ACCURATE DESCRIPTION). EARLY MORNING HAZE. LIMITED VISIBILITY. WHALES WERE BREATHING, FLUKING, SPYHOPPING, FLIPPER SLAPPING, SURFACE INTERVALS WERE FREQUENT AND ACTIVE.

Sighting #2. Time____ Vessel Location (lat/long)____ X ____

Magnetic Bearing to Sighting ____ Estimated Distance____

Species Observed____ # of animals____

Vessels Direction of Travel ____ Animals Direction of Travel ____

Comments (visual description: length, color flukes, etc.; behaviors observed, surfacing intervals, duration of observation)____

Detailed observations and general comments (who was notified, was whale's behavior influenced by dredging activities):____

Observers on Duty: CHRIS CARROLL / PETER WESTERMAN

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge RN WEEKS

Project BRUNSWICK GA

DAILY REPORT

Date: 02 / 25 / 01 Loads: 79 > 90

Area(s) Worked: 36^{+00} > 38^{+500} / SECTION 3

Weather Conditions: SSE 10-15, SEA SWELL 4'-6', FOG > CLEARING TO VERY HAZY

Range of H_2O Temperature: Surface 57 - 58°F Below Mid-Depth 55°-56°F

Condition of all screening apparatus: ALL SCREENING IN GOOD CONDITION + EFFECTIVE

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

Comments (type of material being dredged, biological specimens, etc.): Material consists of silt, sand, Mud, and clay. Since moving into new area a larger amount of trash and debris is being taken. By-catch and biota remain consistant with previous loads. Horseshoe crabs, sea whip, Whelks, Sponges, Sea Squirt.

No Whales or Turtles seen this day!

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: C. CARROLL / P. WESTERMAN

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge RN WEEKS

Project BRUNSWICK, GA.

DAILY REPORT

Date: 02 / 26 / 01 Loads: #91 > 98

Area(s) Worked: 36+00 > 38+500 / SECTION 3

Weather Conditions: wind calm to NE 5-8, seas 1', skies P Cloudy

Range of H_2O Temperature: Surface 57°-58° F Below Mid-Depth 55°-56°

Condition of all screening apparatus: ALL SCREENING IS IN GOOD CONDITION & EFFECTIVE

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

Comments (type of material being dredged, biological specimens, etc.): Material continues to be made up of silt, sand, mud, and clay.

Biological material included horseshoe crabs, sponge whelks

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: C. Carroll / P. Westerman

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge RN WEEKS

Project BRUNSWICK, GA

DAILY REPORT

Date: 02/27/01 Loads: 99 - 101

Area(s) Worked: 36+00 > 38+500

Weather Conditions: wind calm, seas calm, skies clear

Range of H_2O Temperature: Surface 57° F Below Mid-Depth 55° F

Condition of all screening apparatus: ALL SCREENING IN GOOD CONDITION + EFFECTIVE

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

Comments (type of material being dredged, biological specimens, etc.): Material remain to be mud, silt, sand, and clay.

Biological material included horseshoe crabs, whelks a skate

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: C. CARROLL / P. WESTERMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge RN WEEKS

Project BRUNSWICK, GA.

WEEKLY SUMMARY

Dates: 02/25/01 - 02/27/01 Loads: #79 > 101

Range of H_2O Temperature: Surface 57° - 58° F Below Mid-Depth 55° - 56° F

Area(s) Worked: 36+00 > 38+500

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

Comments: Material remains the same, consisting of Silt, Sand, Mud and Clay. R.N. Weeks is leaving the Brunswick/Savannah job to relocate to Flordia. BE Lindholm to continue at Brunswick, GA dredging area

Biological material included horseshoe crabs, sponge whelks & skate and various small fish.

There were no Right Whale sightings by the vessel or aerial survey.

Water temperatures are rising slowly on the surface and below mid-depth

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observers On Duty: C. CARROLL / R. WESTERMAN