ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Charleston
PROJECT NAME: Charleston Entrance Channel DREDGE NAME: Eagle 1

Date: 12-15-05 Load #s: 1-5 Areas dredge worked: buoys 13/14 to 15/16 Stations 156-206

Location, Lat/Long: 32° 49 17 N 79° 45 99 W

Beaufort Sea State: 0 1 2 (3) (4) (5) 6 7 8 9 10 11 12

AIR TEMP: 48-60° °C (°F)
WATER TEMP: Surface 54-55° °C (°F) Column (mid-depth) 53-54° °C (°F) Bottom _____ °C /°F

(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

Condition of deflector: good Condition of screening: good

Were there incidents involving endangered or protected species? YES ___ NO X

Which species? (complete incident form(s)) N/A

Comments (type of material, biological specimens, unusual circumstances, etc):

The dredged material is clay or a clay / mud mixture.

There are 4 inflow boxes. The forward port and starboard boxes are experiencing the most frequent clogging problems. After a load 1 or 2 boxes are usually so full of clay that we can not see what is underneath. This can reduce inflow screening by 50% or more.

At approximately 1645 hrs. the port fore and aft discharge boxes both became seriously packed full of clay. The fore discharge box door broke. The crew immediately began repairs.

Biological by-catch sighted today included 16 horseshoe crabs, 1 blue crab and whirelers Shell.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name Cindy Frantz / Jeanette Alas

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Charleston
PROJECT NAME: Charleston Entrance Channel DREDGE NAME: Eagle 1

Date: 12-16-05 Load #s: 6-11 Areas dredge worked: buoys 13/14 to 15/16 Stations 156-206

Location, Lat/Long: 32° 42.17 N 79° 45.99 W

Beaufort Sea State: 0 1 (2) (3) 4 5 6 7 8 9 10 11 12

AIR TEMP: 42-56° °C (°F)
(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 51-52 °C / (F) Column (mid-depth) 50-51° °C / (F) Bottom _____ °C / °F

Condition of deflector: appears to be good Condition of screening: forward port box repaired

Were there incidents involving endangered or protected species? YES ____ NO X

Which species? (complete incident form(s)) _____

Comments (type of material, biological specimens, unusual circumstances, etc):

The dredged material is clay, mud & a mixture of the two.

The boxes continue to clog. The doors are opened when the boxes clog. Between the doors being opened and the clogged boxes at the end of the cycle, a very small percentage of the material is actually being screened.

Biological by-catch observed today included 10 horseshoe crabs and various shell.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0956	Tursiops truncatus	1 / 3	surfaced once in front of boat near buoy 16
all afternoon	Tursiops truncatus	many / 6+	in and near the channel

Observer name Cindy Franz / Jeanette Alas

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Charleston
PROJECT NAME: Charleston Entrance Channel DREDGE NAME: Eagle 1

Date: 12-17-05 Load #s: 12-16 Areas dredge worked: buoys 13+14 to 15+16 Stations 156-206

Location, Lat/Long: 32° 42 17 N 79° 45 99 W

Beaufort Sea State: 0 1 2 (3) 4 5 6 7 8 9 10 11 12

AIR TEMP: 44-52° °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 50-51° °C/(F) Column (mid-depth) 49-51° °C/(F) Bottom _____ °C/°F

Condition of deflector: appears to be good Condition of screening: good

Were there incidents involving endangered or protected species? YES ___ NO X

Which species? (complete incident form(s)) N/A

Comments (type of material, biological specimens, unusual circumstances, etc):

The dredged material continues to be clay and mud.

The doors on the aft boxes seem to be opened when they clog + are typically empty at the end of a cycle. The fore boxes are usually up to 100% clogged at the end of the cycle. Therefore, a small amount of the material is actually being screened.

The biological by-catch observed today includes 7 horseshoe crabs + various shells.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
all afternoon	Tursiops truncatus	many / 4-12+	the highest numbers of dolphins were sighted at 1500 hrs. - swimming parallel and near the port stern.
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Observer name Cindy Franz / Jeanette Alas

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Charleston

PROJECT NAME: Charleston Entrance Channel DREDGE NAME: Eagle I

Date: 12-18-05 Load #s: 17-21 Areas dredge worked: Stations 156-206

Location, Lat/Long: 32° 42 17 N 79° 45 99 W

Beaufort Sea State: 0 1 2 3 (4) (5) (6) 7 8 9 10 11 12

AIR TEMP: 44-46 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 49-50 °C/(°F) Column (mid-depth) 48-49 °C/(°F) Bottom _____ °C/°F

Condition of deflector: appears to be good Condition of screening: good

Were there incidents involving endangered or protected species? YES ___ NO X

Which species? (complete incident form(s)) N/A

Comments (type of material, biological specimens, unusual circumstances, etc):

The dredged material continues to be clay, mud, or a mixture of the two.

The forward boxes are still at least 50% clogged every time, but usually closer to 100% clogged. In contrast the aft boxes remain virtually empty.

The biological by-catch is still low, with 5 horseshoe crabs today.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0750, 0930, 1100	Tursiops truncatus	3 / 1-7	inside channel
all afternoon	Tursiops truncatus	many / 2-5+	mostly in or near the ship while dredging
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Observer name Cindy Franz / Jeanette Alas

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Charleston
PROJECT NAME: Charleston Entrance Channel DREDGE NAME: Eagle 1

Date: 12-19-05 Load #s: 22-26 Areas dredge worked: Stations 156-206

Location, Lat/Long: 32° 42 17 N 79° 45 99 W

Beaufort Sea State: 0 1 (2) 3 4 5 6 7 8 9 10 11 12

AIR TEMP: 42-58 °C/(F)
WATER TEMP: Surface 50° °C (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)) Column (mid-depth) 49° °C (°F) Bottom _____ °C /°F

Condition of deflector: appears to be good Condition of screening: _____

Were there incidents involving endangered or protected species? YES ___ NO X

Which species? (complete incident form(s)) _____

Comments (type of material, biological specimens, unusual circumstances, etc): _____

The dredged material continues to be mud & clay. The clays is not quite as thick. The fwat boxes are still clogging Obadly. The aft boxes are clogging later in the load.

Biological by-catch today included 7 horseshoe crabs and various shell (mostly whelks and bivalves).

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1616, 1111	Tursiops truncatus	2 / 1-7	inside channel
1350	" / "	1 / 6+	swimming together outside the channel
1602	" / "	2 / 3-5	north of the channel
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Observer name Cindy Franz / Jeanette Alos

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Charleston
PROJECT NAME: Charleston Entrance Channel DREDGE NAME: Eagle 1

Date: 12-20-05 Load #s: 27-31 Areas dredge worked: Stations 156-206

Location, Lat/Long: 32° 42 17 N 79° 45 99 W

Beaufort Sea State: 0 1 (2) (3) (4) 5 6 7 8 9 10 11 12

AIR TEMP: 45-62 °C (°F)
WATER TEMP: Surface 50° °C (°F) Column (mid-depth) 49° °C /(F) Bottom _____ °C /°F

(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

Condition of deflector: appears to be good Condition of screening: good

Were there incidents involving endangered or protected species? YES ___ NO X

Which species? (complete incident form(s)) N/A

Comments (type of material, biological specimens, unusual circumstances, etc):

The dredged material continues to be clay and mud.

Biological by-catch today included 9 horseshoe crab and 2 blue crab.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1358, 1445, 1535	Tursiops truncatus	3 / 1-2	near buoy #15
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Observer name Cindy Franz / Jeanette Alas

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Charleston Entrance Channel
PROJECT NAME: Charleston Entrance Channel DREDGE NAME: Eagle 1

Date: 12-21-05 Load #s: 32-36 Areas dredge worked: buoys 13/14 to 15/16 Stations 156-206

Location, Lat/Long: 32°42.17N 79°45.99W

Beaufort Sea State: 0 1 (2 3 4 5 6) 7 8 9 10 11 12

AIR TEMP: 40°-45° °C (°F)
WATER TEMP: Surface 50-51° °C (°F) Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

Condition of deflector: O.K. Condition of screening: Good

Were there incidents involving endangered or protected species? YES ____ NO X

Which species? (complete incident form(s)) N/A

Comments (type of material, biological specimens, unusual circumstances, etc):

No incidents to report concerning endangered or protected species during dredging operations.

Dredged material is mostly clay, mud, & suspended silt with minimal biota (whelks & clams). Abiotic debris: pipe, fabric, & wire.

Observers Carrie Singer & Nathan Schwalen aboard @0800 hrs.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1300	T. truncatus	1 / 6	Channel
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Observer name Nathan Schwalen AND Carrie Singer

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Charleston
PROJECT NAME: Charleston Entrance Channel DREDGE NAME: Eagle 1

Date: 12-22-05 Load #s: 37-43 Areas dredge worked: Buoys 13/14 - 15/16 Stations 156-206

Location, Lat/Long: 32° 42 17N 79° 45 99W

Beaufort Sea State: 0 1 (2 3 4 5 6) 7 8 9 10 11 12

AIR TEMP: 40-55 °C (°F)
WATER TEMP: Surface 52 °C (°F) Column (mid-depth) / °C / °F Bottom / °C / °F

(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

Condition of deflector: Good Condition of screening: Good

Were there incidents involving endangered or protected species? YES ___ NO X

Which species? (complete incident form(s)) N/A

Comments (type of material, biological specimens, unusual circumstances, etc):

- No incidents involving endangered or protected species to report.

- Dredged Material is clay and mud / suspended silt. There is minimal biological catch composed of shell, clams, horseshoe and blue crabs.

- Boxes frequently clog and fill with clay. During one load boxes (load #40) clogged ~~more~~ badly and were opened and flushed multiple times during loading. Prior to opening and flushing boxes were inspected.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name Nathan Schwalen AND Carrie Singer

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: CHARLESTON, S.C.
PROJECT NAME: CHARLESTON ENTRANCE CHANNEL DREDGE NAME: EAGLE I

Date: 12-23-2005 Load #s: 44-54 Areas dredge worked: Buoys #13/14 - 17/18

Location, Lat/Long: 32°42.17N 79°45.99W

Beaufort Sea State: 0 1 (2 3 4 5) 6 7 8 9 10 11 12

AIR TEMP: 40°-60°F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 52°F °C/°F Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

Condition of deflector: GOOD Condition of screening: GOOD

Were there incidents involving endangered or protected species? YES ____ NO X

Which species? (complete incident form(s)) N/A

Comments (type of material, biological specimens, unusual circumstances, etc):

NO INCIDENTS INVOLVING ENDANGERED OR PROTECTED SPECIES DURING DREDGING ACTIVITIES.

MATERIAL REMAINS CONSISTENT: MUD, CLAY, + SUSPENDED SILT. ONLY MINIMAL BIOLOGICAL BYCATCH; WOOD, CLAMS, WHELKS, HORSESHOE CRABS, + BWE CRABS TO NOTE.

INFLOW SCREENS ARE BECOMING CLOGGED WITH DEBRIS, MOSTLY CLAY & MUD, PARTICULARLY THE FORWARD BOXES. PRELIMINARY INSPECTIONS CONDUCTED BEFORE SCREENS ARE OPENED & FLUSHED CLEAN. LOADS #50 & 51.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
Tursiops truncatus	1135 hrs	2 / 2	IN DISPOSITE
"	1040 hrs	1 / 1	@ DUMP
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Observer name CARRIE SINGER & NATHAN SCHWALEN

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: CHARLESTON SC

PROJECT NAME: CHARLESTON ENTRANCE CHANNEL DREDGE NAME: M/V EAGLE I

Date: 12-24-2005 Load #s: 55-65 Areas dredge worked: BUOYS # 13/14 - 17/18

Location, Lat/Long: 32°42.17N 79°45.99W

Beaufort Sea State: 0 1 (2) (3) (4) 5 6 7 8 9 10 11 12

AIR TEMP: 47°-63° °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 52°-53° °C (°F) Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

Condition of deflector: GOOD Condition of screening: GOOD

Were there incidents involving endangered or protected species? YES ____ NO X

Which species? (complete incident form(s)) N/A

Comments (type of material, biological specimens, unusual circumstances, etc):

NO INCIDENTS TO REPORT CONCERNING ENDANGERED OR PROTECTED SPECIES DURING DREDGING ACTIVITIES.

MATERIAL DREDGED IS PRIMARILY MUD & CLAY, W/ SUSPENDED SILT IN HOPPER. BIOLOGICAL BYCATCH IS MINIMAL. ONLY MISC GASTROPODS, & BIVALVES, AS WELL AS BLUE CRABS & HORSESHOE CRABS NOTED. ABIOTIC DEBRIS IS PREVALENT: 50+' OF CABLE & CHAIN, GOLFBALLS, PIPE, WIRE, STEEL PARTS, PLASTICS, & FISHING GEAR.

INFLOW SCREENS FLUSHED DURING LOADS TO REMOVE CLAY BUILD-UP.

GORGEOUS CHRISTMAS EVE DAY. EXCELLENT VISIBILITY.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
	Tursiops truncatus	SITED VARIOUS TIMES THROUGH-OUT THE DAY!	
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Observer name CARRIE SINGER & NATHAN SCHWALEN

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: CHARLESTON

PROJECT NAME: CHARLESTON ENTRANCE CHANNEL DREDGE NAME: M/V EAGLE I

Date: 12.25.05 Load #s: 55-56 Areas dredge worked: BUOYS # 13/14 - 17/18

Location, Lat/Long: 32°42.17N 79°45.99W

Beaufort Sea State: 0 1 2 3 4 **(5 6 7)** 8 9 10 11 12

AIR TEMP: HIGH 59° °C/(F)

WATER TEMP: Surface 52-53° °C (°F) Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

Condition of deflector: GOOD Condition of screening: GOOD

Were there incidents involving endangered or protected species? YES ____ NO X

Which species? (complete incident form(s)) N/A

Comments (type of material, biological specimens, unusual circumstances, etc): MERRY CHRISTMAS!

NO INCIDENTS TO REPORT CONCERNING ENDANGERED OR PROTECTED SPECIES DURING DREDGING OPERATIONS.

MATERIAL DUG IS PRIMARILY MUD & CLAY WITH RESIDUAL FINE SILT IN HOPPER. BIOLOGICAL BYCATCH IS MINIMAL. ABIOTIC DEBRIS IS: WIRE, ROPE, METAL PARTS, & FISHING LINE.

INFLOW SCREENS ARE BECOMING CLOGGED OFTEN DURING LOADS & SOMETIMES ARE INSPECTED, THEN FLUSHED OPEN.

WEATHER CONDITIONS ARE POOR. HIGH WINDS & SEAS CREATE POOR VISIBILITY.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
NONE		/	
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Observer name CARRIE SINGER & NATHAN SCHWALEN

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Charleston
PROJECT NAME: Charleston Entrance Channel DREDGE NAME: Eagle 1

Date: 12-26-05 Load #s: 77-87 Areas dredge worked: Buoys #13/14 - 17/18

Location, Lat/Long: 32°42.17N 79°45.99W

Beaufort Sea State: 0 1 2 3 4 (5 6 7 8) 9 10 11 12

AIR TEMP: 47°-53° °C (°F)
WATER TEMP: Surface 50°-52° °C (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)) Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

Condition of deflector: Good Condition of screening: Good

Were there incidents involving endangered or protected species? YES ____ NO X

Which species? (complete incident form(s)) N/A

Comments (type of material, biological specimens, unusual circumstances, etc):

NO INCIDENTS TO REPORT CONCERNING ENDANGERED OR PROTECTED SPECIES DURING DREDGING OPERATIONS.

MATERIAL DUG REMAINS MOSTLY MUD + LARGE PIECES OF CLAY WHICH CONTINUE TO CLOG THE FLOW SCREENS. BIOLOGICAL BYCATCH IS MINIMAL: HORSESHOE CRABS, BLUE CRABS, + MISC. SHELLS. ABIOTIC DEBRIS IS ALSO LIGHT.

WEATHER CONDITIONS REMAIN ROUGH. INCREASED WINDS + WAVES ALONG WITH DROPPING AMBIENT + SEA TEMP ARE RESULT OF A COLD FRONT MOVING INTO/OVER CHARLESTON.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
N/O SIGHTINGS	TO REPORT		

Observer name CARRIE SINGER & NATHAN SCHWAKEN

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: CHARLESTON, SC

PROJECT NAME: CHARLESTON ENTRANCE CHANNEL DREDGE NAME: M/V EAGLE I

Date: 12-27-2005 Load #s: 88 - 98 Areas dredge worked: BUOYS #13/14 - 17/18

Location, Lat/Long: 32° 42.17N 79°45.99W

Beaufort Sea State: 0 1 (2) 3 (4) 5 6 7 8 9 10 11 12

AIR TEMP: 41°-55° °C (°F)

WATER TEMP: Surface ~~48°~~ 50° °C (°F) Column (mid-depth) N/A °C /°F Bottom N/A °C /°F

(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

Condition of deflector: Okay Condition of screening: Okay

Were there incidents involving endangered or protected species? YES ____ NO X

Which species? (complete incident form(s)) N/A

Comments (type of material, biological specimens, unusual circumstances, etc):

NO INCIDENTS TO REPORT CONCERNING ENDANGERED OR PROTECTED SPECIES.

DREDGED MATERIAL IS DENSE CLAY & MUD. MINIMUM BIOTA: BLUE CRABS, SKATES, MISC. GASTROPODS, BIVALVES, + HORSESHOE CRABS. ABIOTA: REBAR, ROPE, + PLASTICS.

WEATHER CONDITIONS IMPROVED GREATLY - GREAT VISIBILITY / CALM SEAS.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0735	Tursiops truncatus	1 / 2	RIDING BOW OF INCOMING SHIP
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Observer name CARRIE SINGER / NATHAN SCHWABEN

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: CHARLESTON, SC

PROJECT NAME: CHARLESTON ENTRANCE CHANNEL DREDGE NAME: M/V EAGLE I

Date: 12-28-2005 Load #s: 99-109 Areas dredge worked: Buoy #13/14-17/18

Location, Lat/Long: 32°42.17N 79°45.99W

Beaufort Sea State: 0 1 (2) 3 4 5 6 7 8 9 10 11 12

AIR TEMP: 50°-68° °C (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 48-50° °C (°F) Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

Condition of deflector: GOOD Condition of screening: GOOD

Were there incidents involving endangered or protected species? YES ___ NO X

Which species? (complete incident form(s)) N/A

Comments (type of material, biological specimens, unusual circumstances, etc):

NO INCIDENTS PERTAINING TO ENDANGERED OR PROTECTED SPECIES DURING DREDGING OPERATIONS.

MATERIAL IS MUD & CLAY WITH SUSPENDED SILT. LIMITED BIOTA: HORSESHOE CRABS, BLUE CRABS, CLEARNOSE SKATES, & MISC. SHELLS. ABIOTIC: ROCK, SCRAP METAL, TIRE, PLASTICS, H_2O HOSE, ROPE, & FIBERGLASS

WEATHER: MORNING - LOVELY; EVENING: SEAS & WINDS INCREASED. NUMEROUS SQUALLS.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
NONE		/	
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Observer name CARRIE SINGER & NATHAN SCHWALEN

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: CHARLESTON, SC

PROJECT NAME: CHARLESTON ENTRANCE CHANNEL DREDGE NAME: BUOYS #13/14-17/18

Date: 12·29·2005 Load #s: 110 - 120 Areas dredge worked: M/V EAGLE I

Location, Lat/Long: 32° 42.17N 79° 45.99W

Beaufort Sea State: 0 1 2 (3 4 5 6 7) 8 9 10 11 12

AIR TEMP: HIGH 59 °C (F)

(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 51° °C / (F) Column (mid-depth) N/A °C / °F Bottom N/A °C / °F

Condition of deflector: GOOD Condition of screening: GOOD

Were there incidents involving endangered or protected species? YES ____ NO X

Which species? (complete incident form(s)) N/A

Comments (type of material, biological specimens, unusual circumstances, etc):

NO INCIDENTS TO REPORT CONCERNING INCIDENTAL CAPTURES OF ENDANGERED OR PROTECTED SPECIES DURING DREDGING OPERATIONS.

DREDGED MATERIAL IS MOSTLY DENSE MUD & CLAY. BIOTIC BYCATCH: HORSESHOE CRABS, BLUE CRABS, & WOOD. ABIOTIC DEBRIS; PLASTICS, FABRIC, & FIBERGLASS.

LOAD #114: OPENED FWD STBD BOX TO COLLECT MUD SAMPLE.

WEATHER CONDITIONS VARIABLE.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
SPORADIC SIGHTINGS OF	Tursiop truncatus		THROUGHOUT DAY.
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Observer name CARRIE SINGER / NATHAN SCHWAGER

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: CHARLESTON SC

PROJECT NAME: CHARLESTON ENTRANCE CHANNEL DREDGE NAME: MV EAGLE 1

Date: 12-30-05 Load #s: 121 - 131 Areas dredge worked: BUOYS # 13/14 - 17/18

Location, Lat/Long: 32°42.17 N 79°45.99 W

Beaufort Sea State: 0 1 2 (3) (4) 5 6 7 8 9 10 11 12

AIR TEMP: 48-55 °C/(F)

(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 51 °C/(F) Column (mid-depth) NA °C/°F Bottom NA °C/°F

Condition of deflector: Good Condition of screening: Good

Were there incidents involving endangered or protected species? YES ___ NO X

Which species? (complete incident form(s)) NA

Comments (type of material, biological specimens, unusual circumstances, etc):

- THERE ARE NO INCIDENTS INVOLVING ENDANGERED OR PROTECTED SPECIES TO REPORT.

- MATERIAL IS MUD AND CLAY

- BIOTA CONSISTS OF WHELKS, CLAMS, HORSESHOE CRABS, BLUE CRAB, ~~OCEOS~~ + A FEW FISH/RAYS.

- ABIOTA IS TRASH (WIRE, FISHING GEAR, PLASTICS)

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name NATHAN SCHWALEN AND CARRIE SINGER

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: CHARLESTON SC

PROJECT NAME: CHARLESTON ENTRANCE CHANNEL DREDGE NAME: MV EAGLE I

Date: 12-31-05 Load #s: 132 - 144 Areas dredge worked: BOUYS #13/14 - 17/18

Location, Lat/Long: 32°42.17N 79°45.99W

Beaufort Sea State: 0 1 2 (3) 4 5 6 7 8 9 10 11 12

AIR TEMP: 54-57 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface _____ °C/°F Column (mid-depth) NA °C/°F Bottom NA °C/°F

Condition of deflector: Good Condition of screening: Good

Were there incidents involving endangered or protected species? YES ____ NO X

Which species? (complete incident form(s)) NA

Comments (type of material, biological specimens, unusual circumstances, etc):

- THERE ARE NO INCIDENTS INVOLVING ENDANGERED OR PROTECTED SPECIES TO REPORT

- MATERIAL IS MUD & CLAY

- BIOTA CONSISTS OF SHELL, HORSESHOE AND BLUE CRABS, AND OCASSIONAL SHARKS & RAYS.

BIOTA IS PLASTIC TRASH AND FISHING GEAR

HAPPY NEW YEAR!

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
THROUGHOUT DAY	T. truncatus	/	MULTIPLE SIGHTINGS IN CUT
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Observer name NATHAN SCHWALEN AND CARRIE SINGER

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: CHARLESTON SC

PROJECT NAME: CHARLESTON ENTRANCE CHANNEL DREDGE NAME: MV EAGLE 1

Date: 01-01-06 Load #s: 145-156 Areas dredge worked: Buoys #13/14 - #17/18

Location, Lat/Long: 32°42.17N 79°45.99 W

Beaufort Sea State: 0 1 (2) (3) 4 5 6 7 8 9 10 11 12

AIR TEMP: 54-60 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 52 °C (°F) Column (mid-depth) NA °C /°F Bottom NA °C /°F

Condition of deflector: GOOD Condition of screening: GOOD

Were there incidents involving endangered or protected species? YES ____ NO X

Which species? (complete incident form(s)) NA

Comments (type of material, biological specimens, unusual circumstances, etc):

- THERE ARE NO INCIDENTS INVOLVING ENDANGERED OR PROTECTED SPECIES TO REPORT

- DREDGED MATERIAL IS MUD AND CLAY

- BIOTA CONSISTS OF SHELLS, BLUE CRAB AND HORSESHOE CRAB, AND OCASSIONAL SHARKS AND RAYS

- ABIOTA IS MOSTLY FISHING GEAR AND PLASTICS

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
THROUGHOUT DAY	T. truncatus	/	MULTIPLE SIGHTINGS IN CUT
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Observer name NATHAN SCHWALEN AND CARRIE SINGER

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: CHARLESTON, SC

PROJECT NAME: CHARLESTON ENTRANCE CHANNEL DREDGE NAME: MV EAGLE 1

Date: 01-02-06 Load #s: 157-167 Areas dredge worked: BOUYS 15/16 - 17/18

Location, Lat/Long: 32 42.5 79 48.5 E

Beaufort Sea State: 0 1 2 3 (4 5 6) 7 8 9 10 11 12

AIR TEMP: 52-62 °C (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 52 °C (F) Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

Condition of deflector: GOOD Condition of screening: GOOD

Were there incidents involving endangered or protected species? YES ____ NO X

Which species? (complete incident form(s)) N/A

Comments (type of material, biological specimens, unusual circumstances, etc):

- NO ENDANGERED SPECIES ENCOUNTERED
- DREDGED MATERIAL MUD, CLAY & SHELL FRAGMENTS
- BIOTA HORSESHOE CRABS, SHARK, RAY
- ABIOTA ROCKS, MUD & SHELL FRAGMENTS, SOME ROPE & PLASTIC

OBSERVER NATHAN SCHWALEN REPLACED BY GILL BRAULIK

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
	Tursiops truncatus	/	seen on numerous occassions during dredging, transit & dumping
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Observer name GILL BRAULIK / NATHAN SCHWALEN

CARRIE SINGER

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: CHARLESTON

PROJECT NAME: MAINTENANCE DREDGING IN CHARLESTON ENTRANCE CHANNEL DREDGE NAME: EAGLE 1

Date: 3 JAN 06 Load #s: 168 178 Areas dredge worked: 15/16 17/18

Location, Lat/Long: 32 42.5 79 48.5

Beaufort Sea State: 0 1 (2) 3 4 5 6 7 8 9 10 11 12

AIR TEMP: 52-67 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 52 °C/(F) Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

Condition of deflector: GOOD Condition of screening: GOOD (outflow slightly damaged)

Were there incidents involving endangered or protected species? YES ____ NO X

Which species? (complete incident form(s)) ____

Comments (type of material, biological specimens, unusual circumstances, etc):

DREDGED MATERIAL MUD & CLAY

FOREWARD BOXES BECOME COMPLETELY FULL OF MUD & CLAY DURING EACH LOAD AND IT IS THEREFORE NOT POSSIBLE TO EXAMINE THE CONTENTS. THE BOXES ARE FLUSHED THE END OF EACH LOAD TO CLEAR THEM.

AFT BOXES ARE CLEAR.

BRING CONTENTS OF BASKETS - HORSESHOE CRABS.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
	Tursiops truncatus	/	seen regularly at dumps & dredge sites.
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		/	
		/	

Observer name GILL BRAULIK

CARRIE SINGER / SHANNON SMALL

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: CHARLESTON

PROJECT NAME: CHARLESTON ENTRANCE CHANNEL MAINTENANCE DREDGE NAME: EAGLE 1

Date: 4 JAN 2006 Load #s: 179 - 190 Areas dredge worked: 13/14 - 15/16 - 17/18

Location, Lat/Long: 32 42.5 78 46.5

Beaufort Sea State: 0 1 (2) (3) 4 5 6 7 8 9 10 11 12

AIR TEMP: 52-66 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 52-53 °C (°F) Column (mid-depth) N/K °C/°F Bottom N/K °C/°F

Condition of deflector: GOOD Condition of screening: GOOD (HOLE IN OUTFLOW)

Were there incidents involving endangered or protected species? YES ___ NO X

Which species? (complete incident form(s)) ___

Comments (type of material, biological specimens, unusual circumstances, etc):

MATERIAL MUD & CLAY

BIOTIC REMAINS INCLUDED HORSE SHOE CRABS & BLUE CRAB (1)

CLOGGING OF FORWARD BOXES WITH MUD & CLAY MEANT THAT A COMPLETE EXAMINATION OF THE CONTENTS WAS NOT POSSIBLE. BOXES WERE FLUSHED AT THE END OF EACH DUMP.

AFT BOXES WERE EMPTY.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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		/	

Observer name Gill Brantley / Shannon Small

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: CHARLESTON

PROJECT NAME: CHARLESTON ENTRANCE CHANNEL MAINTENANCE DREDGE NAME: EAGLE 1

Date: 5 JAN 06 Load #s: 191 - 203 Areas dredge worked: BOYS 15/16 - 13/14

Location, Lat/Long: 32 42.5 78 46.5

Beaufort Sea State: 0 1 (2) 3 4 5 6 7 8 9 10 11 12

AIR TEMP: 55-61 °C (°F)

WATER TEMP: Surface 53-49 °C (°F) Column (mid-depth) N/K °C/°F Bottom N/K °C/°F

(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

Condition of deflector: GOOD Condition of screening: GOOD

Were there incidents involving endangered or protected species? YES ___ NO X

Which species? (complete incident form(s)) ___

Comments (type of material, biological specimens, unusual circumstances, etc):

- DREDGED MATERIAL MUD, CLAY AND INCREASING AMOUNTS OF ROCK.
- ABIOTIC MATERIAL PLASTIC, ROPE & RUBBER TRASH
- BIOTIC MATERIAL - SKATE
  ATLEAST 35 HORSESHOE CRABS

FOREWARD BASKETS STILL CLOGGED EVERY LOAD AND IT IS NOT POSSIBLE TO EFFECTIVELY SCREEN FOR BIOTIC REMAINS BOXES ARE FLUSHED AT THE DUMP SITE.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
12:30	T. truncatus	1 / 4	dredge area.
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		/	
		/	
		/	

Observer name GILL BRAULIK / SHANNON SMALL

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: CHARLESTON

PROJECT NAME: CHARLESTON ENTRANCE CHANNEL DREDGING DREDGE NAME: EAGLE 1

Date: 6 JAN 06 Load #s: 204 - 216 Areas dredge worked: 15/16 - 17/18

Location, Lat/Long: 32 42.5 78 46.5

Beaufort Sea State: 0 1 2 (3) (4) 5 6 7 8 9 10 11 12

AIR TEMP: 45-66 °C (°F)

WATER TEMP: Surface 52 °C (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)) Column (mid-depth) N/K °C/°F Bottom N/K °C/°F

Condition of deflector: GOOD Condition of screening: GOOD BUT SMALL HOLE IN OUTFLOW

Were there incidents involving endangered or protected species? YES ___ NO X

Which species? (complete incident form(s))

Comments (type of material, biological specimens, unusual circumstances, etc):

- DREDGED MATERIAL MUD & CLAY
- FOREWARD BOXES COMPLETELY FULL OF CLAY AND IT WAS NOT POSSIBLE TO EXAMINE THE CONTENTS
- BIOTIC MATERIAL PRESENT AT LEAST 7 HORSESHOE CRABS
- WATER TEMPERATURE OF 49 YESTERDAY ERRONEOUS - SHOULD HAVE BEEN 52.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
12:30	T+	1 / 2	dredge area
15:00	T+	1 / 10	dredge area
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		/	
		/	

Observer name BILL BRACHLIK / SHANNON SMALL

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: CHARLESTON

PROJECT NAME: CHARLESTON MAINTENANCE DREDGING FOR APPROACH CHANNEL DREDGE NAME: EAGLE 1

Date: 7th Jan 2006 Load #s: 217 – 228 Areas dredge worked: 13/14 – 15/16

Location, Lat/Long: 32 42.5 78 46.5

Beaufort Sea State: 0 1 (2) 3 4 5 6 7 8 9 10 11 12

AIR TEMP: 41-51 °C/°F

WATER TEMP: Surface 52 °C (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)) Column (mid-depth) N/K °C/°F Bottom N/K °C/°F

Condition of deflector: GOOD Condition of screening: GOOD BUT SMALL HOLE IN OUTFLOW

Were there incidents involving endangered or protected species? YES ___ NO X

Which species? (complete incident form(s)) ___

Comments (type of material, biological specimens, unusual circumstances, etc):

- Dredged Material Mud, clay & sand rock
- Biotic Material horseshoe Crabs and whelks
- Abiotic Material – tyres, steel wire cable, plastic
- Forward baskets repeatedly blocked with Mud & Clay Meaning that a full examination of their contents is not possible.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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	NONE	/	
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		/	

Observer name Gill Braible / Shannon Shall

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: CHARLESTON

PROJECT NAME: ENTRANCE CHANNEL MAINTENANE DREDGE NAME: EAGLE 1

Date: 01·08·06 Load #s: 229 — 239 Areas dredge worked: BOUYS 13/14 & 15/16

Location, Lat/Long: 32 42.5 78 46.5

Beaufort Sea State: 0 1 (2 3 4) 5 6 7 8 9 10 11 12

AIR TEMP: 46-57 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 52 °C/°F Column (mid-depth) N/K °C/°F Bottom N/K °C/°F

Condition of deflector: GOOD Condition of screening: GOOD [2 SMALL HOLES IN OUTFLOW STARBOARD]

Were there incidents involving endangered or protected species? YES ____ NO X

Which species? (complete incident form(s)) ____

Comments (type of material, biological specimens, unusual circumstances, etc):

- DREDGED MATERIAL MUD, CLAY & ROCK
- BIOTIC MATERIAL - FEW HORSESHOE CRABS. & WHELKS.
- FOREWARD BASKET BECCHES COMPLETELY ~~BLOCKED~~ ~~IN EVERY~~ FULL OF MUD & CLAY IN EVERY LOAD SO THE CONTENTS CONNOT BE EXAMINED.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
12·00	T·t	1 / 10	@ dredge area
13·30	T·t	1 / 25	@ dredge area
14·30	T·t	1 / 25	"
16·00	T·t	1 / 25	"
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		/	

Observer name GILL BRAULIK / SHANNON SHALL

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE DISTRICT: CHARLESTON

PROJECT NAME: CHARLESTON ENTRANCE CHANNEL **DREDGE NAME:** EAGLE 1

Dates: 2nd Jan 2006 - 8th Jan 2006 **Load #s:** 157 - 239

Areas dredge worked: BOUYS 17/18 - 15/16 - 13/14

Were there incidents involving endangered or protected species? YES ___ NO X

Which species? ___

Comments:

- DREDGING HAS BEEN GOING VERY SMOOTHLY THERE WERE NO DELAYS OR PROBLEMS
- DREDGED MATERIAL IS MUD, CLAY & SAND ROCKS
- OUTFLOWS ON STARBOARD SIDE HAVE 2 SMALL HOLES IN
- FOREWARD BASKETS BECOME COMPLETELY FULL OF CLAY EVERY LOAD & IT IS NOT POSSIBLE TO EXAMINE THE CONTENTS FOR ENDANGERED SPECIES.
- BIOTIC CATCH INCLUDES HORSESHOE CRABS, WHELKS & RAYS.

BRIDGE WATCH SUMMARY

Date/Time	Species	# Sightings/# Animals	Location/Comments
	Tursiops truncatus	seen numerous times each day	at both the dump and dredge site. Groups as large as 50 seen
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Observer name Gill Braeckle / Shannon Small / Carrie Singer.

ENDANGERED SPECIES OBSERVER PROGRAM

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: CHARLESTON

PROJECT NAME: ENTRANCE CHANNEL MAINTENANCE DREDGE NAME: EAGLE 1

Date: 01.09.06 Load #s: 240 - 250 Areas dredge worked: BOYS 13/14 & 15/16

Location, Lat/Long: 32 42.5 78 46.5

Beaufort Sea State: 0 1 2 (3 4) 5 6 7 8 9 10 11 12

AIR TEMP: 56-58 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 52 °C/(°F) Column (mid-depth) N/K °C/°F Bottom N/K °C/°F

Condition of deflector: GOOD Condition of screening: GOOD 2 SMALL HOLES IN OUTFLOW

Were there incidents involving endangered or protected species? YES ___ NO X

Which species? (complete incident form(s)) ___

Comments (type of material, biological specimens, unusual circumstances, etc):

- MATERIAL DREDGED IS MUD, CLAY & SOME ROCK
- BIOTIC MATERIAL HORSESHOE CRABS (~5) & 1 RAY
- FOREWARD BASKET FULL OF MUD & CLAY SO CONTENTS COULD NOT BE FULLY EXAMINED

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name Gill Brawlik / Shannon Small

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: CHARLESTON

PROJECT NAME: _____ DREDGE NAME: EAGLE 1

Date: 01-10-06 Load #s: 251 - 261 Areas dredge worked: 13/14 - 15/16

Location, Lat/Long: 32 42.5 78 46.5

Beaufort Sea State: 0 (1) (2) 3 4 5 6 7 8 9 10 11 12

AIR TEMP: 56 - 64 °C/(°F)

WATER TEMP: Surface 52 °C (°F) Column (mid-depth) N/K °C/°F Bottom N/K °C/°F

(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

Condition of deflector: GOOD Condition of screening: GOOD

Were there incidents involving endangered or protected species? YES ___ NO X

Which species? (complete incident form(s)) _____

Comments (type of material, biological specimens, unusual circumstances, etc):

- Dredged material is mud & clay
- Forward boxes completely clogged with mud & clay so a complete screening of the contents is not possible
- Biotic contents are horseshoe crabs and whelks
- 2 small holes in starboard athwartship screen should not be a problem as this athwartship is not being used. This applies to the entire job.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
All day	T. t.	NUMEROUS / are	Many sightings of # at both the dredge area and dump site.
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		/	
		/	

Observer name Gill Braulke / Shannon Small

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: CHARLESTON

PROJECT NAME: CHARLESTON ENTRANCE CHANNEL DREDGE NAME: EAGLE 1

Date: 01-11-06 Load #s: 262-273 Areas dredge worked: 13/14 - 15/16

Location, Lat/Long: 32 42.5 78 46.5

Beaufort Sea State: 0 1 (2) 3 4 5 6 7 8 9 10 11 12

AIR TEMP: 58-62 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 52 °C (°F) Column (mid-depth) N/K °C/°F Bottom N/K °C/°F

Condition of deflector: GOOD Condition of screening: GOOD

Were there incidents involving endangered or protected species? YES ___ NO X

Which species? (complete incident form(s)) ___

Comments (type of material, biological specimens, unusual circumstances, etc):

- Dredged Material mud, clay & rock
- Biotic Material horseshoe crabs, whelks & 1 ray
- forward baskets completely full of clay at the end of every load so contents not fully examined.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
T.t. sighted	many times during the day	/	at dredge & dump
site.		/	
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		/	

Observer name Gul Faulk/Sharon Small

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: CHARLESTON

PROJECT NAME: CHARLESTON ENTRANCE CHANNEL DREDGE NAME: EAGLE 1

Date: 01-12-06 Load #s: 274 - 286 Areas dredge worked: 13/14

Location, Lat/Long: 32 42.2 079 46.2

Beaufort Sea State: (0) 1 2 3 4 5 6 7 8 9 10 11 12

AIR TEMP: 56 - 64 °C/(°F)

WATER TEMP: Surface 52 °C (°F) Column (mid-depth) N/K °C/°F Bottom N/K °C/°F

(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

Condition of deflector: GOOD Condition of screening: GOOD

Were there incidents involving endangered or protected species? YES ____ NO X

Which species? (complete incident form(s)) ____

Comments (type of material, biological specimens, unusual circumstances, etc): ____

- DREDGED MATERIAL MUD, CLAY & SOME ROCK
- BIOTIC MATERIAL HORSESHOE CRABS, WHELKS & RAYS
- ABIOTIC MATERIAL WIRE-CABLE & ROPE
- FORWARD BOXES ALWAYS BECOME CLOGGED WITH MUD, CLAY & ROCK SO THAT IT IS IMPOSSIBLE TO EXAMINE THE CONTENTS

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
12:00	T.t	1 / 1	@ dredge area
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		/	

Observer name Gill Braulke / Sharon Small

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: CHARLESTON

PROJECT NAME: CHARLESTON ENTRANCE CHANNEL DREDGE NAME: EAGLE 1

Date: 01-13-06 Load #s: 287 - 294 Areas dredge worked: BUOYS 13/14

Location, Lat/Long: 32 42.2 079 46.2

Beaufort Sea State: 0 1 2 3 4 5 6 7 8 9 10 11 12

AIR TEMP: 58 - 64 °C/(°F)

WATER TEMP: Surface 52 °C (°F) Column (mid-depth) NK °C/°F Bottom NK °C/°F

(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

Condition of deflector: GOOD Condition of screening: GOOD

Were there incidents involving endangered or protected species? YES ___ NO X

Which species? (complete incident form(s)) ___

Comments (type of material, biological specimens, unusual circumstances, etc):

- DREDGED MATERIAL MUD, CLAY & ROCK
- BIOTIC MATERIAL HORSESHOE CRABS & WHELKS
- FORWARD BASKETS CLOGGED WITH MUD & CLAY AT THE END OF EVERY LOAD SO CONTENTS CANNOT BE EXAMINED.
- DREDGING SUSPENDED FROM NOON TO APPROX 9PM WHILE THE SHIP REFUELLED.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
NONE			

Observer name Gill Braeckle / Sharon Stall

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: CHARLESTON

PROJECT NAME: CHARLESTON ENTRANCE CHANNEL DREDGE NAME: EAGLE 1

Date: 01-14-06 Load #s: 295 – 307 Areas dredge worked: _____

Location, Lat/Long: 32 42.0 79 46.0

Beaufort Sea State: 0 1 2 3 4 5 (6) 7 8 9 10 11 12

AIR TEMP: ~~58~~ 45 °C (°F)

WATER TEMP: Surface 52 °C (°F) Column (mid-depth) N/K °C/°F Bottom N/K °C/°F

(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

Condition of deflector: GOOD Condition of screening: GOOD

Were there incidents involving endangered or protected species? YES ___ NO X

Which species? (complete incident form(s)) _____

Comments (type of material, biological specimens, unusual circumstances, etc):

- DREDGED MATERIAL MUD, CLAY & ROCK
- BIOTIC MATERIAL HORSESHOE CRABS & WHELKS
- FOREWARD BASKETS COMPLETELY FULL OF MUD & CLAY AT THE END OF EVERY LOAD SO CONTENTS CANNOT BE EXAMINED.
- HIGH WINDS ALL DAY.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
None		/	
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Observer name Gil Brauhle / Sharon Small

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: CHARLESTON

PROJECT NAME: CHARLESTON ENTRANCE CHANNEL DREDGE NAME: EAGLE 1

Date: 01.15.06 Load #s: 308 - 320 Areas dredge worked: 13/14 to 15/16

Location, Lat/Long: 32 42.0 79 46.0

Beaufort Sea State: 0 (1 2 3 4 5 6) 7 8 9 10 11 12

AIR TEMP: 40-55 °C/°F

WATER TEMP: Surface 52 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)) Column (mid-depth) N/K °C/°F Bottom N/K °C/°F

Condition of deflector: GOOD Condition of screening: GOOD

Were there incidents involving endangered or protected species? YES ___ NO X

Which species? (complete incident form(s)) ___

Comments (type of material, biological specimens, unusual circumstances, etc):

- Dredged material mud, clay & rock
- Biotic material horseshoe crabs and whelks
- Forward baskets always completely blocked so it is not possible to thoroughly check contents

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
15:00	T.t	2 / 25	dredge area
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		/	
		/	

Observer name Gill Braddock / Shannon Small
Jadyn Davis

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE DISTRICT: CHARLESTON

PROJECT NAME: CHARLESTON ENTRANCE CHANNEL DREDGE NAME: EAGLE 1

Dates: 01 09 06 - 01 15 06 Load #s: 240 - 320

Areas dredge worked: 13/14 to 15/16

Were there incidents involving endangered or protected species? YES ____ NO X

Which species? ____

Comments:

- DREDGE MATERIAL MUD CLAY & ROCK
- 13th JAN DREDGING SUSPENDED FROM NOON TO 9PM FOR REFUELLING
- ONLY BIOTIC SPECIMENS HORSESHOE CRABS, RAYS AND WHALES.
- NOT POSSIBLE TO FULLY EXAMINE FOREWATER BASKETS AS THEY ARE ALWAYS COMPLETELY FULL OF CLAY
- OVERFLOW SCREEN ON STARBOARD HAS 2 HOLES BUT IS NOT USED.

BRIDGE WATCH SUMMARY

Date/Time	Species	# Sightings/# Animals	Location/Comments
Sighted TE on numerous occasions at the dredge and dump site			

Observer name Gill Braulik / Shannon Small & Jaclyn Davis

ENDANGERED SPECIES OBSERVER PROGRAM

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: CHARLESTON

PROJECT NAME: Charleston Entrance Channel DREDGE NAME: EAGLE I

Date: 01-16-06 Load #s: 321-332 Areas dredge worked: 13/14 → 15/16

Location, Lat/Long: N 32° 42.0 x W 79° 46.0

Beaufort Sea State: 0 1 2 (3) 4 (5) 6 7 8 9 10 11 12

AIR TEMP: 42-55 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 52° °C /(°F) Column (mid-depth) — °C /°F Bottom — °C /°F

Condition of deflector: OK Condition of screening: OK

Were there incidents involving endangered or protected species? YES ___ NO X

Which species? (complete incident form(s)) Ø

Comments (type of material, biological specimens, unusual circumstances, etc):

MATERIAL IS MOSTLY MUD and Clay

Few biotic samples include horseshoe crabs & SMALL SHARK.

Some shells & rock.

Fore boxes clog intensely with clay.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name A. BROWN / J. DALY.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Charleston

PROJECT NAME: CHS Entrance Channel DREDGE NAME: Eagle I

Date: 01-17-06 Load #s: 333-344 Areas dredge worked: 13/14 → 15/16

Location, Lat/Long: N 32°42.0 x W 79°46.0

Beaufort Sea State: 0 1 2 (3) (4) 5 6 7 8 9 10 11 12

AIR TEMP: 52-60 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 52 °C/(F) Column (mid-depth) — °C/°F Bottom — °C/°F

Condition of deflector: GOOD Condition of screening: GOOD

Were there incidents involving endangered or protected species? YES ___ NO X

Which species? (complete incident form(s)) ———

Comments (type of material, biological specimens, unusual circumstances, etc):

NO incidents involving protected species

Material Dredged = mud, clay, rock

Biotic samples = horseshoe crabs, stingray

FWD boxes, both Stbd + Port, consistently clogged w/ clay impeding inspection of boxes

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name Jaclyn Daly / Andrew Brown

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Charleston
PROJECT NAME: CHS Entrance Channel DREDGE NAME: Eagle I

Date: 01-18-06 Load #s: 345 Areas dredge worked: 13/14 → 15-/16

Location, Lat/Long: 32°42.0 N x 79° 46.0 W

Beaufort Sea State: 0 1 2 3 4 (5) 6 7 8 9 10 11 12

AIR TEMP: 53 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 52 °C/(F) Column (mid-depth) — °C/°F Bottom — °C/°F

Condition of deflector: GOOD Condition of screening: GOOD

Were there incidents involving endangered or protected species? YES ___ NO X

Which species? (complete incident form(s)) —

Comments (type of material, biological specimens, unusual circumstances, etc):

No incidents w/ protected species
Material = mud, clay, rock
No biotic / samples

* Stopped dredging after 11 minutes due to high seas / gale winds - went to anchor in CHS harbor - stayed there for repairs

BRIDGE WATCH SUMMARY

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Observer name J. Daly / A. Brown

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Charleston
PROJECT NAME: Charleston Entrance Channel DREDGE NAME: Eagle I

Date: 1-19-06 Load #s: _____ Areas dredge worked: 13/14-15/16

Location, Lat/Long: 32°42.0 N x 79°46.0 W

Beaufort Sea State: 0 1 2 3 4 5 6 7 8 9 10 11 12

AIR TEMP: _____ °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface _____ °C/°F Column (mid-depth) _____ °C/°F Bottom _____ °C/°F

Condition of deflector: _____ Condition of screening: _____

Were there incidents involving endangered or protected species? YES ___ NO X

Which species? (complete incident form(s)) ___

Comments (type of material, biological specimens, unusual circumstances, etc):

NO DREDGING - Anchored for repairs

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name Andrew Brown / Jaclyn Daly

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Charleston
PROJECT NAME: Charleston Entrance Channel DREDGE NAME: Eagle 1

Date: 1-20-06 Load #s: 346 Areas dredge worked: 13/14 - 15/16

Location, Lat/Long: N. 32°42.0 x W 79°46.0

Beaufort Sea State: (0)—(1) 2 3 4 5 6 7 8 9 10 11 12

AIR TEMP: 61 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 52° °C /°F Column (mid-depth) — °C /°F Bottom — °C /°F

Condition of deflector: OK Condition of screening: OK

Were there incidents involving endangered or protected species? YES ___ NO X

Which species? (complete incident form(s)) Ø

Comments (type of material, biological specimens, unusual circumstances, etc):

Began digging on Port Arm only, After 2 days of repair.
DREDGED MATERIAL is Mostly Clay and Mud.
No biotic specimens.

No Sightings / No Incidents

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name Andrew Brown/Jaclyn Daly

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Charleston

PROJECT NAME: Charleston Entrance Channel DREDGE NAME: Eagle I

Date: 1/21/06 Load #s: 348 - 349 Areas dredge worked: 13/14 → 15/16

Location, Lat/Long: N 32.42.0 x W 79° 46.0

Beaufort Sea State: 0 1 2 (3) 4 5 6 7 8 9 10 11 12

AIR TEMP 57-61 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 53-55 °C /(F) Column (mid-depth) — °C /°F Bottom — °C /°F

Condition of deflector: Good Condition of screening: Good

Were there incidents involving endangered or protected species? YES ___ NO X

Which species? (complete incident form(s)) —

Comments (type of material, biological specimens, unusual circumstances, etc):

No incidents involving protected species

Material = clay, mud

No biotic samples

* Resumed dredging @ 1622 after stopping @ 0530 for repairs

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name J. Daly / A. Brown

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Charleston
PROJECT NAME: Charleston Entrance DREDGE NAME: Eagle I

Date: 01-22-06 Load #s: 350-352 Areas dredge worked: 13/14 - 15/16

Location, Lat/Long: 32° 42.0 N X 79° 46 W

Beaufort Sea State: (0) (1) 2 3 4 5 6 7 8 9 10 11 12

AIR TEMP: 61° °C/(°F)
WATER TEMP: Surface 55 °C (°F) Column (mid-depth) — °C /°F Bottom — °C /°F
(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

Condition of deflector: OK Condition of screening: OK

Were there incidents involving endangered or protected species? YES ___ NO X

Which species? (complete incident form(s)) Ø

Comments (type of material, biological specimens, unusual circumstances, etc):
Fairly thick Fog conditions
MATERIAL IS CLAY & MUD, with some Rock & Shell
Biotic Specimens include RAY, small shark, & horseshoe crabs
Project completed with end of load #352

No Sightings / No Incidents

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
	Ø		

Observer name A. BROWN / J. DALY

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE DISTRICT: CHARLESTON

PROJECT NAME: CHARLESTON ENTRANCE CHANNEL DREDGE NAME: EAGLE 1

Dates: 01-16-06 - 01-22-06 Load #s: 321 - 352

Areas dredge worked: 13/14 to 15/16

Were there incidents involving endangered or protected species? YES ___ NO X

Which species? ___

Comments: Job finished with end of load # 352

- DREDGE MATERIAL MUD CLAY & ROCK
- DREDGING SUSPENDED FROM 1-18 through 1pm on 1-20. FOR WEATHER And REPAIRS
- ONLY BIOTIC SPECIMENS HORSESHOE CRABS, RAYS Sharks AND WHALES
- NOT POSSIBLE TO FULLY EXAMINE FOREWARD BASKETS AS THEY ARE ALWAYS COMPLETELY FULL OF CLAY
- OVERFLOW SCREEN ON STARBOARD HAS 2 HOLES BUT IS NOT USED.

BRIDGE WATCH SUMMARY

Date/Time	Species	# Sightings/# Animals	Location/Comments
Sighted T-E on numerous occasions at the dredge and dump site			

Observer name A. BROWN / J. DALY

ENDANGERED SPECIES OBSERVER PROGRAM