ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: APRIL 15, 2004 Load #s: 378 – 382 Areas dredge worked: Stations 825+00 – 895+00

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

AIR TEMP: 61-71 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 64 °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)) N/A

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

Dredged material is silt and mud.
Biota retained in screening included: eel, oyster shells, worms and wood.
Plastics and monofilament line were also retained

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
13:15	Tursiops truncatus	1 / ≈ 10	@ buoy #7
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Observer name MEGHAN PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: APRIL 16, 2004 Load #s: 383-387 Areas dredge worked: Stations: 825+00 – 895+00

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

AIR TEMP: 63-74 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 67 °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)) N/A

Comments (type of material, biological specimens, unusual circumstances, etc): dredged material consists of silt and mud. Biota retained in screens included: eels, wood.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
18:15	Tursiops truncatus	1 / 10-15	@ buoy #27

Observer name MEGHAN PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: April 17, 2004 Load #s: 388-393 Areas dredge worked: 825+00 – 895+00

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

AIR TEMP: 69-79.5 °C/(F) °C = 5/9 (°F - 32); °F = 9/5 (°C) + 32)

WATER TEMP: Surface 66-67 °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)) N/A

Comments (type of material, biological specimens, unusual circumstances, etc): Dredged material consists of mud and silt. Biological specimens retained by screening included leaf + wood. Plastics and rope were also retained.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
13:30	Tursiops truncatus	1 / 5-10	@ the cut
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Observer name MEGHAN PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL **DREDGE NAME:** COLUMBIA

Dates: APRIL 15 - APRIL 17, 2004 **Load #s:** 378 - 393

Areas dredge worked: STATIONS: 825+00 - 895+00

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

Which species? N/A

Comments: - E.S.O. coverage began at 00:00 hours on April 15th.

- There were no sightings of large whales and no incidents with sea turtles.
- Dredged material consists of silt, mud.
- Biota retained in screening included eels, oyster shells, worms and wood.
- Plastics, rope, monofilament were also retained.

BRIDGE WATCH SUMMARY

Date/Time		Species	# Sightings/# Animals		Location/Comments
4/15	13:15	Tursiops truncatus	1	10	@ buoy #7
4/16	18:15	Tursiops truncatus	1	10-15	@ buoy #27
4/17	13:30	Turisiops truncatus	1	5-10	@ the cut.

Observer name MEGHAN PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: APRIL 18, 2004 Load #s: 394-398 Areas dredge worked: Stations: 825+00-895+00

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

AIR TEMP: 66-75 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 66-67 °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)) N/A

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

Dredged material consists of silt, mud.
There was no biota retained in screening today, only rock and plastics

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name M. PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: APRIL 19, 2004 Load #s: 399 - 403 Areas dredge worked: Stations: 825+00 - 895+00

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

AIR TEMP: 66-82 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 67 °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)) N/A

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

Dredged material consists of silt and mud.
Biological specimens retained in screening included:
1 small flounder, whelk egg cases and wood.
Plastics were also retained in screening.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
09:15	Wenbird	1 / 1	on fantail picking bugs
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Observer name MEGHAN PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: Columbia

Date: April 20, 2004 Load #s: [redacted] 404-408 Areas dredge worked: Stations 825+00 - 895+00

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

AIR TEMP: 71-77 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 67-68 °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)) N/A

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

Dredged material consists of silt, mud.
One lightening whelk and plastics were retained in screening.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
15:45-16:15	Tursiops truncatus	4 / 10	between buoys # 20 + 8 enroute to disposal area.
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Observer name MEGHAN PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: Columbia

Date: April 21, 2004 Load #s: 409 - 413 Areas dredge worked: STATIONS: 825+00 - 895+00

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

AIR TEMP: 70-77 °C/(F) (°C = 5/9 (°F - 32); °F = 9/5 (°C) + 32)

WATER TEMP: Surface 68 °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)) N/A

Comments (type of material, biological specimens, unusual circumstances, etc): Dredged material consists of silt, mud. Biota retained in screening included: catfish skull, wood. Plastics + Rock were also retained.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
13:30	Herring Gull	1 / 1	Immature saved by crew from the hopper
15:50	Tursiops truncatus	1 / 1	@ disposal

Observer name MEGHAN PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: APRIL 22, 2004 Load #s: 414 - 417 Areas dredge worked: STATIONS: 825+00 - 895+00

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

AIR TEMP: 71-83 °C/°F °C = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 69-70 °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)) N/A

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

Dredged material is silt, mud

Biota retained was oyster shells, eel.

Rock, wood, monofilament line and plastics were also retained.

Dredge had downtime in evening for drag arm problems.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
13:10	Tursiops truncatus	1 / 1	@ buoy #33
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Observer name MEGHAN PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: APRIL 23, 2004 Load #s: 418 - 421 Areas dredge worked: STATIONS: 825+00 - 895+00

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

AIR TEMP: 75-83° °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 70-71 °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)) N/A

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

Dredged material is silt, mud.
The only biota retained was an eel and wood.
Plastics, a hose and monofilament line were also retained.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name M. PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: APRIL 24, 04 Load #s: 422 - 426 Areas dredge worked: Stations: 825+00 - 895+00

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

AIR TEMP: 73-83 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 70-71 °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)) N/A

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

Dredged material is silt, mud.
There was no biota retained in screening, only plastics, rope, monofilament line.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name MEGHAN PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Dates: APRIL 18 - APRIL 24, 2004 Load #s: 394-426

Areas dredge worked: STATIONS: 825+00 – 895+00

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

Which species? N/A

Comments: - There were no sightings of large whales and no incidents with sea turtles this week.

- Dredged material consists of silt, mud.

- Biota retained in screening included; 1 small flounder, whelk egg cases, lightening whelk, catfish skull, oyster shells, eels and wood.

- Rock, plastics, hose and monofilament line were also retained.

BRIDGE WATCH SUMMARY

Date/Time	Species	# Sightings/# Animals	Location/Comments
4/19 | 09:15	Ovenbird	1 / 1	on the fantail, picking bugs.
4/20 | 15:45-16:15	Tursiops truncatus	4 / 10	Between buoys 20-8 enroute to disposal area
4/21 | 13:30	Herring Gull	1 / 1	1 immature rescued from the hopper by many hands.
15:50	Tursiops truncatus	1 / 1	@ disposal area.
4/22 | 13:10	Tursiops truncatus	1 / 1	@ buoy #33
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Observer name MEGHAN PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL **DREDGE NAME:** COLUMBIA

Date: APRIL 25, 04 **Load #s:** 427 **Areas dredge worked:** STATIONS: 825+00 - 895+00

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

AIR TEMP: 72 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 70 °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)) N/A

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

Dredged material is silt, clay.

Only plastics and monofilament line were retained.

Dredge Columbia spent the rest of the day and night, after load # 427, at the dock to take on fuel and conduct repairs.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name MEGHAN PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE
PROJECT NAME: MOBILE HARBOR CHANNEL **DREDGE NAME:** COLUMBIA

Date: APRIL 26, 2004 **Load #s:** 428-431 **Areas dredge worked:** Stations 825+00-895+00

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

AIR TEMP: 72-78 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 72-74 °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)) N/A

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

Dredged material is silt, & mud.
Biota retained in screening consisted of one moonsnail & wood.
Plastics, rock, monofilament line were also retained.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
07:15	Tursiops truncatus	1 / 5	bowriding at buoys #15-16

Observer name MEGHAN PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE
PROJECT NAME: MOBILE HARBOR CHANNEL **DREDGE NAME:** COLUMBIA

Date: APRIL 27, 04 **Load #s:** 432-436 **Areas dredge worked:** Stations: 825+00 - 895+00

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

AIR TEMP: 74-88 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 74 °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)) N/A

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

Dredged material consists of silt, mud.
Biota retained in screening included only wood.
Rock and plastics were also retained

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
18:15	Tursiops truncatus	1 / 10-15	@ buoy #28
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Observer name MEGHAN PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE
PROJECT NAME: MOBILE BAY CHANNEL **DREDGE NAME:** COLUMBIA

Date: APRIL 28, 04 **Load #s:** 437-441 **Areas dredge worked:** Stations: 825+00 - 895+00

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

AIR TEMP: 72-78 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 72-73 °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)) N/A

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

Dredged Material consist of mud, silt.
Dredged moved from area of buoys 50 to area of buoys 70.
Wood was the only biota retained.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name M. PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE
PROJECT NAME: MOBILE HARBOR CHANNEL **DREDGE NAME:** COLUMBIA

Date: April 29, 04 **Load #s:** 442 **Areas dredge worked:** Stations 825+00-895+00

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

AIR TEMP: 70 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 72 °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)) N/A

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

Dredged material consists of silt, mud.
Screening was clear of debris and biota.
Dredge sailed to dock after load #442 to conduct repairs
where it remained until after midnight. (00:20 hours)

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
18:10	Tursiops truncatus	1 / 4	@ the fuel dock

Observer name MEGHAN PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: APRIL 30, 04 Load #s: 443-446 Areas dredge worked: Stations 825+00-895+00

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

AIR TEMP: 68-74 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 69 °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)) N/A

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

Dredged material is silt, mud.
Biota retained in screening included: 1 Blue crab, whelk egg cases and wood.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
07:30	Barn Swallows	1 / 4	flying around dredge on return from disposal
08:30 / 15:00	Unid'd Hummingbird	2 / 2	@ buoys ≈ 40
09:00	Ruddy Turnstone	1 / 1	@ buoy # 60

Observer name MEGHAN PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE
PROJECT NAME: MOBILE HARBOR CHANNEL **DREDGE NAME:** COLUMBIA

Date: MAY 1, 2004 **Load #s:** 447 - 451 **Areas dredge worked:** Stations 825+00 - 895+00

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

AIR TEMP: 64-72 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 67-68 °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)) N/A

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

Dredged material is silt, mud.
Only wood and rock were retained by screening

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
10:30	Tursiops truncatus	1 / 3	@ buoy #50
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Observer name MEGHAN PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Dates: APRIL 25 - MAY 1, 2004 Load #s: 427 - 451

Areas dredge worked: STATIONS 825+00 - 895+00

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

Which species? N/A

Comments: THERE WERE NO INCIDENTS WITH SEA TURTLES AND NO SIGHTINGS OF LARGE WHALES.

DREDGED MATERIAL CONSISTS OF SILT, MUD.

BIOTA RETAINED IN SCREENING WAS MINIMAL CONSISTING OF WOOD, MOONSNAIL, 1 BLUE CRAB, WHELK EGG CASES + WOOD.

PLASTICS AND ROCK WERE ALSO RETAINED.

ON 4/28 DREDGE MOVED FROM AREA AROUND BUOY 50, to AREA ABOVE BUOY 70.

ON 4/29 DREDGE SPENT BETTER PART OF DAY AT DOCK FOR REPAIRS.

BRIDGE WATCH SUMMARY

Date/Time		Species	# Sightings/# Animals	Location/Comments
4/26	07:15	Tursiops truncatus	1 / 5	bow riding @ buoys #15-16
4/27	18:15	Tursiops truncatus	1 / 10-15	@ buoy #28
4/29	18:10	Tursiops truncatus	1 / 4	@ the fuel dock
4/30	07:30	Barn Swallows	1 / 4	flying around dredge upon return from disposal
	08:30-15:00	Unidd Hummingbird	2 / 2	@ buoys #40
	09:00	Ruddy Turnstone	1 / 1	@ buoy #60
5/1	16:30	Tursiops truncatus	1 / 3	@ buoy #50
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Observer name MEGHAN PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE
PROJECT NAME: MOBILE HARBOR CHANNEL **DREDGE NAME:** COLUMBIA

Date: MAY 2, 2004 **Load #s:** 452-454 **Areas dredge worked:** Stations 825+00 - 895+00

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

AIR TEMP: 67-72 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 67-68 °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)) N/A

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

Dredged material is silt, mud.
Screening held only wood.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name MEGHAN PIERCY

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL **DREDGE NAME:** COLUMBIA

Date: MAY 3, 2004 **Load #s:** 455 - 457 **Areas dredge worked:** STATIONS 825+00 - 895+00

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

AIR TEMP: 76°F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 67-68°F °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)) N/A

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

DREDGED MATERIAL IS A COMBINATION OF MUD & SILT.

ABIOTIC DEBRIS RETAINED IN SCREENING CONSISTED OF MONOFILAMENT LINE, PLASTIC DEBRIS, & ROPE. WOOD WAS THE ONLY BIOLOGICAL SPECIMEN SEEN.

NO INCIDENTS OF INCIDENTAL CAPTURES OR SIGHTINGS OF LARGE CETACEANS.

LENGTHY DELAYS DUE TO BLOCKED VALVES IN THE HOPPER 1630hrs - 2230hrs.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1048	T. truncatus	1 / 1	SURFACING @ buoy #42
1230	"	1 / 2	SURFACING @ buoy #72
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Observer name CARRIE SINGER

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL **DREDGE NAME:** COLUMBIA

Date: MAY 4, 2004 **Load #s:** 459 - 460 **Areas dredge worked:** STATIONS 825+00 – 895+00

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

AIR TEMP: 73°F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 65°F °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)) N/A

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

NO INCIDENTS TO REPORT CONCERNING ENDANGERED OR PROTECTED SPECIES.

GORGEOUS CLEAR DAY, EXCELLENT VISIBILITY. WINDS LIGHT & VARIABLE DIRECTION.

DREDGED MATERIAL PRIMARILY CONSISTS OF MUD AND SILT. SUSPENDED IN HOPPER – NO OVERFLOW.

BIOLOGICAL SAMPLES INCLUDE ONLY WOOD DEBRIS.

SIGHTINGS REPORTED BELOW.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1015 hrs	T. truncatus	1 / 2	OFF PORT BOW; OUTWARD BOUND
1580 hrs	STINGRAY	1 / 1	SWIMMING @ SURFACE; BOUY #74
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Observer name CARRIE. SINGER

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE
PROJECT NAME: MOBILE HARBOR CHANNEL **DREDGE NAME:** COLUMBIA

Date: MAY 5TH 2004 **Load #s:** 461 - 464 **Areas dredge worked:** STATIONS 825+00 — 895+00

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

AIR TEMP: 80°F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 65°F °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)) N/A

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

NO INCIDENTS TO REPORT CONCERNING ENDANGERED OR PROTECTED SPECIES.

BEAUTIFUL DAY, CLEAR SKIES, GREAT VISIBILITY, LIGHT BREEZE.

DREDGED MATERIAL PRIMARILY CONSISTS OF MUD & SILT SUSPENDED IN HOPPER COLUMN - NO OVERFLOW.

BIOLOGICAL SAMPLES INCLUDE: WOOD DEBRIS ONLY.
ABIOTIC: WIRE

SIGHTINGS REPORTED BELOW.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1035 hrs.	T. truncatus	2 / 2	RIDING BOW OF FREIGHTER; Buoy #67
1419 hrs.	T. truncatus	2 / 11+/-	OFF STBD SIDE; Buoy #32
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Observer name CARRIE SINGER

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE
PROJECT NAME: MOBILE HARBOR CHANNEL **DREDGE NAME:** COLUMBIA

Date: MAY 6TH 2004 **Load #s:** 465 - 467 **Areas dredge worked:** STATIONS 825+00 - 895+00

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

AIR TEMP: 80°F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 65°F °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)) N/A

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

NO INCIDENTS INVOLVING ENDANGERED OR PROTECTED SPECIES.
DREDGED MATERIAL CONSISTS PRIMARILY OF MUD & SILT. NO OVERFLOW.
BIOLOGICAL SAMPLES INCLUDE: WOOD AND (1) DECOMPOSING RED DRUM
EXCELLENT VISIBILITY THROUGHOUT THE DAY.
SIGHTINGS LISTED BELOW.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0835 hrs	T. truncatus	1 / 3	SURFACING @ DUMP SITE.
1700 hrs	T. truncatus	2 / 2	Body # 62
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Observer name CARRIE SINGER

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE
PROJECT NAME: MOBILE HARBOR CHANNEL **DREDGE NAME:** COLUMBIA

Date: MAY 7th 2004 **Load #s:** 468 - 471 **Areas dredge worked:** STATIONS 825+00 - 895+00

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

AIR TEMP: 84°F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 68°F °C/°F **Column (mid-depth)** _____ °C/°F **Bottom** _____ °C/°F
1350@ surface

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 INVOLVING ENDANGERED OR PROTECTED SPECIES DURING DREDGING OPERATIONS.

DREDGED MATERIAL CONSISTS OF MUD & SUSPENDED SILT IN HOPPER — NO OVERFLOW.

GREAT VISIBILITY. WINDS PICKED UP IN AFTERNOON.

BIOLOGICAL SPECIMENS INCLUDE WOOD DEBRIS ONLY.

SIGHTINGS LISTED BELOW.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0930hrs	T. Truncatus	3 / 2	SURFACING @ buoy #23
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Observer name CARRIE SINGER

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE
PROJECT NAME: MOBILE HARBOR CHANNEL **DREDGE NAME:** COLUMBIA

Date: MAY 8TH 2004 **Load #s:** 472 - 475 **Areas dredge worked:** STATIONS 825+00 - 895+00

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

AIR TEMP: 85°F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 62°F °C/°F @ DUMP SITE Column (mid-depth) _____ °C/°F Bottom _____ °C/°F

Condition of deflector: OKAY **Condition of screening:** EXCELLENT

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 REMOVED FROM CHANNEL CONSISTS PRIMARILY OF MUD & SILT. NO OVERFLOW.

MATERIAL AND DEBRIS RETAINED IN INFLOW SCREENING WAS WOOD, WIRE, MISC. PLASTICS, & NYLON LINE.

1300-1350hrs DELAY DUE TO ENGINE REPAIR.

MINOR REPAIRS CONDUCTED ON INFLOW SCREENING TO PROMOTE 100% MONITORING OF CONTENTS.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1200hrs	T. truncatus	2 / 2	@ DUMP SITE
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Observer name CARRIE SINGER

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL **DREDGE NAME:** COLUMBIA

Dates: MAY 2nd 2004 - MAY 8th 2004 **Load #s:** 452 - 475

Areas dredge worked: STATIONS 825+00 - 895+00

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

Which species? N/A

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

DREDGED MATERIAL CONSISTED PRIMARILY OF MUD AND SUSPENDED SILT IN HOPPER.

BIOLOGICAL SPECIMENS EXTRACTED FROM INFLOW SCREENING WAS MINIMAL: WOOD, (1) DECOMPOSING RED DRUM, & AN EEL.

ABIOTIC MATERIAL: MONOFILAMENT LINE, PLASTIC DEBRIS, ROPE, & WIRE.

05.03.04: 1630hrs - 2230hrs DELAYS DUE TO BLOCKED VALVES IN HOPPER.
05.08.04: 1300hrs - 1350hrs MINOR REPAIRS / TESTS ON ENGINE.
05.08.04: SMALL REPAIRS CONDUCTED ON PORT INFLOW SCREEN TO CONTINUE 100% MONITORING OF CONTENTS RETAINED.

BRIDGE WATCH SUMMARY

Date/Time	Species	# Sightings/# Animals	Location/Comments
05.03 / 1048 hrs	T. truncatus	1 / 1	SURFACING @ BUOY #42
05.03 / 1230 hrs	T. truncatus	1 / 2	SURFACING @ BUOY #72
05.04 / 1015 hrs	T. truncatus	1 / 2	OFF PORT BOW - OUTWARD BOUND
05.04 / 1530 hrs	"	1 / 1	SURFACING @ BUOY # 74
05.05 / 1035 hrs	"	2 / 2	RIDING BOW OF FREIGHTER, BUOY #67
05.05 / 1419 hrs	"	2 / 11+/-	OFF STBD SIDE - BUOY #32
05.06 / 0835 hrs	"	1 / 3	@ DUMP SITE.
05.06 / 1700 hrs	"	2 / 2	BUOY #62
05.07 / 0930 hrs	"	3 / 2	BUOY # 23
05.08 / 1200 hrs	"	2 / 2	@ DUMP SITE.
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Observer name CARRIE SINGER

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: M/V COLUMBIA

Date: 9 MAY 2004 Load #s: 476 - 478 Areas dredge worked: 825+00 - 895+00

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

AIR TEMP: 85°F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 62°F °C/°F Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

Condition of deflector: GOOD Condition of screening: EXCELLENT

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 MAINLY MUD AND SILT.

MINIMAL BIOTIC / ABIOTIC BYCATCH RETAINED IN SCREENING: WOOD, (1) ALUMINUM SCRAPER.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
NO SIGHTINGS		/	
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Observer name CARRIE SINGER

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: M/V COLUMBIA

Date: 10 MAY 2004 Load #s: 479 - 482 Areas dredge worked: 825+00 - 895+00

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

AIR TEMP: 88°F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

Condition of deflector: GOOD Condition of screening: EXCELLENT

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 ACTIVITIES.

DREDGED MATERIAL IS MUD AND SUSPENDED SILT IN HOPPER.

BIOTIC / ABIOTIC BYCATCH IS MINIMAL: COPPERWIRE, ROPE, MISC. PLASTICS, WOOD, CLAY, CHAIN.

WEATHER CONDITIONS NOT CONDUCIVE TO MARINE SIGHTINGS DURING BRIDGE WATCH.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
NO SIGHTINGS		/	
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Observer name CARRIE SINGER

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: 11 May 2004 Load #s: 483-484 Areas dredge worked: 1160+00 - 1230+00

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

AIR TEMP: 88°F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 62°F °C/°F Column (mid-depth) — °C/°F Bottom — °C/°F

Condition of deflector: GOOD Condition of screening: EXCELLENT

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 MUD & SILT; SOME CLAY.

BIOTA RETAINED IN SCREENING: WOOD, WIRE, CLAY, FOAM, MISC. PLASTICS, 01 ALUMINUM CAN, 01 BLUE CRAB.

SHIP @ DOCK FOR FUEL, ETC 0845 hrs ; BROKE DOCK @ 2115 hrs

BEGAN DREDGING OPERATIONS IN NEW SECTION OF CHANNEL 1160+00 - 1230+00.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
NO SIGHTINGS		/	

Observer name CARRIE SINGER

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: 12 MAY 2004 Load #s: 485-489 Areas dredge worked: 1160+00 – 1230+00

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

AIR TEMP: 85°F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 64°F °C/°F Column (mid-depth) _____ °C/°F Bottom _____ °C/°F

Condition of deflector: GOOD Condition of screening: EXCELLENT

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 MUD, SUSPENDED SILT, & CLAY.

BIOTA RETAINED AS BYCATCH: DEAD WHELKS, ROCKS, WOOD

1700-1900hrs SHIP PROCEEDS TO ANCHORAGE FOR MAJOR REPAIRS.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
NO SIGHTINGS		/	
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Observer name CARRIE SINGER

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE
PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: 13 MAY 2004 Load #s: 490 ONLY Areas dredge worked: 1160+00 - 1230+00

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

AIR TEMP: 77°F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 64°F °C/°F Column (mid-depth) _____ °C/°F Bottom _____ °C/°F

Condition of deflector: GOOD Condition of screening: EXCELLENT

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 REGARDING ENDANGERED SPECIES AND ACCIDENTAL CAPTURES.

DREDGED MATERIAL IS CONSISTENTLY MUD, CLAY, & SILT.

BYCATCH IDENTIFIED IN INFLOW SCREENING: WOOD ONLY.

NEW OBSERVER ABOARD: David Lange
0630 hrs. ANCHOR RAISED
0800 hrs. SHIP @ DOCK FOR FURTHER REPAIRS.
0000 hrs. SHIP BROKE DOCK TO RESUME DREDGING ACTIVITIES.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
NO SIGHTINGS		/	
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Observer name CARRIE SINGER
David Lange

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE
PROJECT NAME: MOBILE HARBOR CHANNEL **DREDGE NAME:** M/V COLUMBIA

Date: 14 MAY 2004 **Load #s:** 491 - 497 **Areas dredge worked:** 1160+00 – 1230+00

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

AIR TEMP: 89°F °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: 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 OCCURRED INVOLVING ENDANGERED OR PROTECTED SPECIES DURING DREDGING OPERATIONS.

DREDGED MATERIAL IS MUD, SUSPENDED SILT, & SOME CLAY.

BYCATCH RETAINED IN INFLOW SCREENING: LARGE QUANTITIES OF DEAD WHELKS, CLAM SHELLS, WOOD, LARGE COPPER SCREW, RUBBER ALUMINUM CANS, STEEL BOLTS, FABRIC, & ROPE.

WEATHER CONDITIONS NOT CONDUSIVE TO MARINE SIGHTINGS.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
NO SIGHTINGS.		/	
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Observer name CARRIE SINGER / DAVID LANGE

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE
PROJECT NAME: MOBILE HARBOR CHANNEL **DREDGE NAME:** M/V COLUMBIA

Date: 15 MAY 2004 **Load #s:** 498 – 503 **Areas dredge worked:** 1160+00 – 1230+00

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

AIR TEMP: 80°F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 78° °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)) 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 MUD, SILT & SOME CLAY.

BYCATCH RETAINED IN INFLOW SCREEN: MOSTLY WHELKS, LARGE CLAM SHELLS, WOOD, ROCKS, MUD & MISC. STEEL BOLTS.

WEATHER CONDITIONS TOO ROUGH FOR BRIDGE SIGHTINGS.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
NONE		/	
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Observer name CARRIE SINGER / DAVID LANGE

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: M/V COLUMBIA

Date: 16 MAY 2004 Load #s: 504-510 Areas dredge worked: 1160+00 - 1230+00

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

AIR TEMP: 82°F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 78°F °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)) 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 CONSISTENTLY MUD, CLAY, SUSPENDED SILT IN HOPPER - MINIMAL OVERFLOW.

BYCATCH RETAINED IN INFLOW SCREEN IS: ROCKS, DEAD WHELKS, PLASTIC CAN OPENER, PLASTICS, MISC. BIVALVES, & ROPE.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
NO SIGHTINGS.		/	
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Observer name CARRIE SINGER / DAVID LANGE

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: M/V COLUMBIA

Dates: 9 MAY 2004 - 16 MAY 2004 Load #s: 476 - 510

Areas dredge worked: 825+00 - 895+00 ; (05.11.04) NEW SECTION 1160+00 - 1230+00

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

Which species? N/A

Comments: NO INCIDENTS TO REPORT CONCERNING INCIDENTAL CAPTURES OF ENDANGERED OR PROTECTED SPECIES DURING DREDGING ACTIVITIES.

DREDGED MATERIAL IS MUD, SOME CLAY, & SUSPENDED SILT IN HOPPER

MINIMAL BIOTIC / ABIOTIC BYCATCH IN SCREENING: WOOD, DEAD WHELKS, ALUMINUM SCRAPER, COPPERWIRE, ROPE, MISC. PLASTICS, CHAIN, FOAM, CANS, (1) BLUE CRAB, (3) EELS, CLAM SHELLS, FABRIC, STEEL PARTS, BOLTS, RUBBER & ROCKS.

05.11.04: SHIP @ DOCK FOR FUEL, H_2O, REPAIRS
05.12.04: 1900hrs SHIP PROCEEDS TO ANCHORAGE FOR MAJOR REPAIRS
05.13.04: 0800hrs SHIP @ DOCK FOR FURTHER REPAIRS

05.13.04: NEW OBSERVER ABOARD / DAVID LANGE

BRIDGE WATCH SUMMARY

Date/Time	Species	# Sightings/# Animals	Location/Comments
NO SIGHTINGS DUE TO POOR WEATHER CONDITIONS ALL WEEK			
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Observer name CARRIE SINGER / DAVID LANGE

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE
PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: M/V COLUMBIA

Date: 17 MAY 2004 Load #s: 511- 517 Areas dredge worked: 1160+00 – 1230+00

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

AIR TEMP: 83°F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 78°F °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)) N/A

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

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

DREDGED MATERIAL IS MUD, SILT, & SOME CLAY.

BIOTIC/ABIOTIC BYCATCH FOUND IN INFLOW SCREEN: WOOD, DEAD WHELKS, COPPERWIRE, PLASTICS, ALUMINUM SCRAPER, RUBBER, STEEL, SHELLS, & ROCKS.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1335	T. truncatus	1 / 2	@ Buoy # 37; OUTBOUND
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Observer name CARRIE SINGER / DAVID LANGE

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: M/V COLUMBIA

Date: 18 MAY 2004 Load #s: 518 - 524 Areas dredge worked: 1160+00 — 1230+00

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

AIR TEMP: 84°F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 78°F °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)) N/A

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

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

DREDGED MATERIAL IS MOSTLY MUD & SILT, SOME CLAY.

BIOTIC / ABIOTIC BYCATCH RETAINED IN SCREEN IS TYPICAL DEBRIS DISCARDED IN THE CHANNEL: ALUMINUM CANS, OIL FILTER, MONOFILAMENT LINE W/ HOOKS, FAN BELT, ROPE, ROCKS, & DEAD WHELKS. SOME MISC. BIVALVES.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
NO SIGHTINGS		/	
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Observer name CARRIE SINGER / DAVID LANGE

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Mobile

PROJECT NAME: Mobile Harbor Channel DREDGE NAME: m/v Columbia

Date: 19 May 2004 Load #s: 525 - 531 Areas dredge worked: 1160+00 - 1230+00

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

AIR TEMP: 86° °C/(°F) °C = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 82° °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)) N/A

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

dredged material = mud, clay, + silt

bycatch = sand eel, whelk } minimal amounts

abiota = wood, plastic, rocks }

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
~1200	Tursiops truncatus	1 / 4-6	in channel (around ships)

Observer name David Lange / Carrie Singer

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: M/V COLUMBIA

Date: 20 May 2004 Load #s: 532 - 537 Areas dredge worked: 1160+00 - 1230+00

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

AIR TEMP: 89°F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 82°F °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)) N/A

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

NO INCIDENTS TO REPORT REGARDING SEA TURTLES OR OTHER ENDANGERED OR PROTECTED SPECIES DURING DREDGING OPERATIONS.

DREDGED MATERIAL IS MUD & SUSPENDED SILT.

BYCATCH RETAINED IN SCREEN: DEAD WHELKS, STEEL, MISC. PLASTICS, FABRIC, MONOFILAMENT LINE, & ROCKS.

WEATHER CONDITIONS OPTIMUM FOR SIGHTINGS.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
NO SIGHTINGS	TO REPORT	/	
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Observer name CARRIE SINGER / DAVID LANGE

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE
PROJECT NAME: MOBILE HARBOR CHANNEL **DREDGE NAME:** M/V COLUMBIA

Date: 21 MAY 2004 **Load #s:** 538-544 **Areas dredge worked:** 1160+00 - 1230+00

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

AIR TEMP: 96°F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 82°F °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)) N/A

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

NO INCIDENTS TO REPORT CONCERNING ENDANGERED OR PROTECTED SPECIES DURING DREDGING ACTIVITIES.
DREDGED MATERIAL IS MOSTLY MUD & SUSPENDED SILT.
ABIOTIC/BIOTIC MATERIAL RETAINED IN SCREEN: OLD FISHING NET, MONOFILAMENT LINE, TWINE, FABRIC, MISC PLASTICS, STEEL, ROCKS, & DEAD WHELKS.
GORGEOUS DAY @ SEA.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0800	T. truncatus	1 / ~16-20	PLAYING IN CHANNEL
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Observer name CARRIE SINGER / DAVID LANGE

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE
PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: M/V COLUMBIA

Date: 22 May 2004 Load #s: 545-550 Areas dredge worked: 1085+00 - 1015+00

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

AIR TEMP: 92°F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 81°F °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)) N/A

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

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

0005 hrs DREDGED RELOCATED TO NEW DIG SITE NOTED ABOVE.

DREDGED MATERIAL IS MUD & SUSPENDED SILT.

BYCATCH IS MINIMAL. TYPICAL DISCARDED CHANNEL DEBRIS: PLASTICS, STEEL, FABRIC.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
NO SIGHTINGS		/	

Observer name CARRIE SINGER / DAVID LANGE

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: M/V COLUMBIA

Date: 23 MAY 2004 Load #s: 551-556 Areas dredge worked: 1085+00 – 1015+00

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

AIR TEMP: 96°F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 82° °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)) 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 MUD, SILT & CLAY.

MINIMAL BYCATCH, MOSTLY TRASH.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1230	T. truncatus	2 / +6	@ Buoy #31

Observer name CARRIE SINGER / DAVID LANGE

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL **DREDGE NAME:** M/V COLUMBIA

Dates: 17 MAY 2004 - 23 MAY 2004 **Load #s:** 511-556

Areas dredge worked: 1160+00 - 1230+00 (05.22.04) → 1085+00 - 1015+00

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

Which species? N/A

Comments:

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

DREDGED MATERIAL IS MUD, SUSPENDED SILT, & CLAY.

MATERIAL RETAINED IN INFLOW SCREEN IS TYPICALLY DISCARDED DEBRIS FOUND IN MOST INDUSTRIAL CHANNELS: MISC. PLASTICS, STEEL, FABRIC, MONOFILAMENT LINE, TWINE, DEAD WHELKS, ROCKS, SAND EEL ALUMINUM CANS, OIL FILTERS, FAN BELTS, CLAMS, COPPERWIRE, WOOD, SCRAPER, RUBBER,

BRIDGE WATCH SUMMARY

Date/Time		Species	# Sightings/# Animals		Location/Comments
05.17	1335	T. truncatus	1	2	@ Buoy #34 · ~~80~~ OUTBOUND
05.19	1200	T. truncatus	1	4-6	IN CHANNEL (NEAR SHIPS)
05.21	0800	T. truncatus	1	~16-20	PLAYING IN CHANNEL
05.23	1230	T. truncatus	2	+/- 6	@ Buoy #31

Observer name CARRIE SUGER / DAVID LANGE

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Mobile
PROJECT NAME: Mobile Harbor Channel **DREDGE NAME:** m/v Columbia

Date: 24 May '04 **Load #s:** 557-560 **Areas dredge worked:** Stations 1015+00 - 1085+00

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

AIR TEMP: 85° °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 82 °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)) N/A

Comments (type of material, biological specimens, unusual circumstances, etc):
material dredged = mud, clay, silt
bycatch = none
abiotic = wood, rocks, trash

at fuel dock = 0610
depart fuel dock = 1430

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1600	T. truncatus	1 / ~12	in lower channel
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Observer name David Lange / Brian Fedorko

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Mobile
PROJECT NAME: Mobile Harbor Channel DREDGE NAME: COLUMBIA

Date: 25 MAY '04 Load #s: 561 - 566 Areas dredge worked: Stations 1015+00 - 1085+00

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

AIR TEMP: 85 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 82 °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)) N/A

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

Material is mud and silt
Biological specimens included sand eels in the hopper
Very little debris in inflow screening. Includes wood, shells.

BIRDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name David Lange / BRIAN FEDORKO

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Mobile
PROJECT NAME: Mobile Harbor Channel DREDGE NAME: m/v Columbia

Date: 26 May '04 Load #s: 567 - 572 Areas dredge worked: stations 1015+00 - 1085+00

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

AIR TEMP: 83° °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 83 °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)) N/A

Comments (type of material, biological specimens, unusual circumstances, etc):
material dredged = mud, clay, silt
bycatch = blue crab
abiota = rocks, wood, trash

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1230	T. truncatus	1 / 15-25	located between dig site and Dauphin Island
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Observer name David Lange / Brian Fedorko

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Mobile

PROJECT NAME: Mobile Harbor Channel DREDGE NAME: COLUMBIA

Date: 27 MAY '04 Load #s: 573-577 Areas dredge worked: Stations 1015+00-1085+00

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

AIR TEMP: 72-87 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 82 °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)) N/A

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

* NO endangered species incidents today
* Screen contents include trash, wood debris & old shells
* Several eels observed in hopper

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name David Lange / BRIAN FEDORKO

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: 28 MAY 04 Load #s: 578 - 583 Areas dredge worked: 1015+00 - 1085+00

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

AIR TEMP: 80° °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 81° °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)) N/A

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

material dredged = mud, clay, silt

bycatch = minimal = 1 blue crab

abiota = wood, rocks, trash

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1400	T. truncatus	2 / 16-20	throughout channel en route to disposal site

Observer name David Lange / Brian Fedacko

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE
PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: 29MAY04 Load #s: 584-589 Areas dredge worked: Stations 890+00-960+00

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

AIR TEMP: 72-90 °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: 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):

* Material continues to be mud, clay, and silt.
* Screen contents include wood debris and trash.
* Biotic debris include shells. One (1) Blue Crab today.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
	Ø	/	

Observer name David Lange / BRIAN FEDORKO

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE
PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: 30 MAY 04 Load #s: 590-594 Areas dredge worked: Stations 890+00 - 960+00

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

AIR TEMP: 75-90 °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: 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):

* Material is a mud/clay/silt mix.
* Very little debris found in screening - trash & wood & rocks.
* 1 Blue Crab recovered from inflow screen.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1020 NRS	T. truncatus	1 / 2	Buoy 11 - Alongside Dredge - No interaction

Observer name David Lange / Brian Foote

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE DISTRICT: Mobile

PROJECT NAME: Mobile Harbor Channel **DREDGE NAME:** m/v Columbia

Dates: 24 May 2004 - 30 May 2004 **Load #s:** 557 - 594

Areas dredge worked: stations 1015+00 - 1085+00 (05.29.04) -> stations 890-960

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

Which species? N/A

Comments:

Material dredged = mud, clay, silt composite
bycatch = blue crabs (4), horseshoe crab (1), sand eels in hopper (many)
abiota = scrap wood, rocks, trash (mostly fishing gear fragments)
weather = ave. air temp. 83°F, ave. water temp 82°F, ave. seas 0'-5'
refueled on 24 May = at dock 0610, depart dock at 1430
Brian Fedorko relieved Carrie Singer as second observer on 24 May

BRIDGE WATCH SUMMARY

Date/Time		Species	# Sightings/# Animals		Location/Comments
05/24	1600	T. truncatus	1	~12	in lower channel
05/26	0830	"	1	15-25	observed between dig site + Dauphin Island
05/28	1400	"	2	16-20	throughout channel en route to disposal site
05/30	1020	"	1	2	around buoy "

Observer name David Lange / Brian Fedorko

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: 31 MAY 04 Load #s: 595-600 Areas dredge worked: Stations 890+00-960+00

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

AIR TEMP: 75-85 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 83 °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)) N/A

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

* Material type is consistently a mix of mud, clay, silt
* Screen contents included (1) Horseshoe Crab and very little trash & wood debris.
  Eels and other small fish-like animals are common in the hopper after each load.
* Weather today included 5-6' seas @ disposal site.
  Seas in dig area a bit calmer - 2-3'

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals		Location/Comments
1546 HRS	T. truncatus	1	2	Buoy 16 - Near bow of dredge.
1130 HRS	T. truncatus	1	20	"In Channel"

Observer name David Lange / BRIAN FEDORKO

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: 01 JUN 04 Load #s: 601 - 605 Areas dredge worked: Stations 890 to 960

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

AIR TEMP: 69-88 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ca. 83 °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)) N/A

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

* Material continues to be a sappy mix of mud and clay
* Very little debris found in inflow screening.
  * Mostly misc. trash items
* Weather today include a storm over Mobile Bay @ 1250 HRS w/ heavy rains and 30kt winds.
  * Lasted ca. 1 hr.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1115 HRS	Tursiops truncatus	1 / 3-4	Near Buoy 18
1858 HRS	Tursiops truncatus	1 / 4-6	Near Buoy 11

Observer name David Lange / BRIAN FEDERKO

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: Mobile Harbor Channel DREDGE NAME: COLUMBIA

Date: 02 JUN 2004 Load #s: 606 - 611 Areas dredge worked: 890^{+00} - 960^{+00}

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

AIR TEMP: 70-85 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 83° °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)) N/A

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

* Material is a slurry of mud and clay
* Screen contents include rocks and trash in sm. quantity.
* Eels are generally numerous in hopper every load.
* Weather @ ca. 1030 HRS included a severe thunderstorm in the bay w/ winds to 50+ KTS.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
	Ø	/	

Observer name David Lange / BRIAN FEDORKO

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Mobile

PROJECT NAME: Mobile Harbor Channel DREDGE NAME: COLUMBIA

Date: 03 JUN 2004 Load #s: 6012 - 6016 Areas dredge worked: 890+00 - 960+00

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

AIR TEMP: 70-85 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 80 °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)) N/A

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

* Material dredged is a mix of mud & clay.
* Screen contents include trash, fishing line, & wood debris.
* Weather today included passing thunderstorms w/ heavy rain. Mostly sunny @ other times.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1459 HRS	Tursiops truncatus	1 / 6-10	In Channel @ Mobile Pt.
1615 HRS	Tursiops truncatus	1 / 8-12	Buoy 9 in Channel

Observer name David Lange ; BRIAN FEDORKO

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Mobile

PROJECT NAME: Mobile Harbor Channel DREDGE NAME: M/V Columbia

Date: 04 June 2004 Load #s: 617 - 619 Areas dredge worked: Stations 890+00 - 960+00

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

AIR TEMP: 85° °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 81 °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)) N/A

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

Material dredged = mud, clay, silt composite
bycatch = none
abiota = scrap wood, rocks, trash

at fuel dock at 0734
off fuel dock at 1508

BRIDGE WATCH SUMMARY

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

Observer name David Lange / Brian Fedorko

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: Mobile Harbor Channel DREDGE NAME: COLUMBIA

Date: 5 JUN 2004 Load #s: 620 - 625 Areas dredge worked: Station 890+00 - 960+00

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

AIR TEMP: 72-88 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 82 °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)) N/A

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

Material is a mix of mud, clay, and silt

Bycatch includes 1 catfish in dragheard and numerous eels in hopper (~10 per load avg.)

Screen contents includes occasional trash and old shells.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
	N/A	/	
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Observer name David Lange / BRIAN FEDRICO

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: 26 JUNE 2004 Load #s: 6226-6230 Areas dredge worked: Stations 890+00 - 960+00

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

AIR TEMP: 72-85 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 82 °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)) N/A

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

* Material is consistently mud clay and silt - mixed.
* Weather included 2 rain events - 1 @ 0920; 1 @ 2045 NRS
* Screen contents included 1 rock and some trash items.
* Eels are common within the hopper each load (5-10 Avg)

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
	N/A	Ø /	
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Observer name DAVID LANGE / BRIAN FEDORKO

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL **DREDGE NAME:** COLUMBIA

Dates: 31 MAY 2004 - 06 JUNE 2004 **Load #s:** 595 - 630

Areas dredge worked: Stations 890+00 - 960+00

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

Which species? N/A

Comments: * Observer coverage this week was 100%

* Deflector and inflow screening were in good condition and 100% effective all week

* Material dredged was consistent - slurry of mud, clay, silt.

* Weather was mostly warm 85°F daytime. Occasional rain events. Water temp ranged from 80°F to 83°F

* Bycatch included numerous eels in hopper, 1 catfish, 1 horseshoe crab.

* Other debris was minimal - rocks, wood, trash, old shells.

* Dredge was fueling 4 JUN - 0730-1510 NRS.

BRIDGE WATCH SUMMARY

Date/Time	Species	# Sightings/# Animals	Location/Comments
31 MAY 1546	Tursiops truncatus	1 / 2	Buoy 16 - Near bow of dredge
31 MAY 1130		1 / 20	In Channel
1 JUN 1115		1 / 3-4	Near Buoy 18
1 JUN 1358		1 / 4-6	Near Buoy 11
3 JUN 1459		1 / 6-10	In Channel @ Mobile Pt.
3 JUN 1615		1 / 8-12	Buoy 9 - In Channel

Observer name David Lange / BRIAN FEDORKO

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: 7 JUN 04 Load #s: 631 - 635 Areas dredge worked: Stations 625 - 700+00 890 - 960+00

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

AIR TEMP: 72-88 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 81-82 °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)) N/A

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

* Dredge moved north to stations 625-700 starting w/ load #633. - Material is more muddy and silty here.
* Screen contents included only trash today.
* Shrimp net (TRY NET) caught in dragheed load #634
* Very calm seas today - flat, to light chop.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1345	T. truncatus	1 / 15-25	Buoy 8 in channel. Loosely Grouped
1406	T. truncatus	1 / 8-15	Within & around disposal area

Observer name David Lange / BRIAN FEDORKO

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Mobile

PROJECT NAME: Mobile Harbor Channel DREDGE NAME: m/v Columbia

Date: 8 June '04 Load #s: 636 - 640 Areas dredge worked: stations 625+00 - 700+00

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

AIR TEMP: 72-88 °C/(F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 80-82 °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)) N/A

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

material dredged = mud, clay, silt composite

bycatch = sand eels

other screen contents were trash (scrap wood, metal, fishing gear)

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1340	T. truncatus	1 / 10-12	in channel en route to disposal site

Observer name David Lange / Brian Fedorko

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: Mobile Harbor Channel DREDGE NAME: COLUMBIA

Date: 9 JUN '04 Load #s: 641-644 Areas dredge worked: Stations 625+00 - 700+00

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

AIR TEMP: 76-88 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 81 °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)) N/A

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

* Material is a mud/silt slurry - very clean.
* Screen contents included mainly trash and wood debris.
* Eels are abundant in hopper each load.
* Seas were smooth to ~~calm~~ light chop today

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
	N/A	Ø /	

Observer name David Lange / BRIAN FEDORKO

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Mobile

PROJECT NAME: Mobile Harbor Channel DREDGE NAME: m/v Columbia

Date: 10 June 2004 Load #s: 645 - 649 Areas dredge worked: Stations 605+00 - 700+00

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

AIR TEMP: 89° °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 85° °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)) N/A

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

material dredged = mud, clay, silt composite

bycatch = sand eels

Screen contents included trash and scrap wood debris

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1700	T. truncatus	1 / ~10	in channel en route to disposal site

Observer name David Lange / Brian Fedorko

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Mobile

PROJECT NAME: Mobile Harbour Channel DREDGE NAME: Columbia

Date: 11 June 04 Load #s: 650 - 653 Areas dredge worked: STA. 625+00 - 700+00

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

AIR TEMP: 86-89° C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 85° °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)

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

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

MATERIAL: Clay, mud, & silt

by CATCH: sand eels, ASSORTED SMALL FISH

WOOD scraps, debris.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1347	Tt	1 / 7	At dumpsite

Observer name A. BROWN / D. Lange

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Mobile

PROJECT NAME: Mobile Harbor- Channel DREDGE NAME: m/v Columbia

Date: 12 June 2004 Load #s: 654 - 658 Areas dredge worked: Stations 625+00 - 700+00

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

AIR TEMP: 87° °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 86.5° °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)) N/A

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

material dredged = mud, clay, silt composite

bycatch = sand eels in hopper

inflow screen contents included rocks, scrap wood + metal, and trash

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1600	T. truncatus	1 / ~12-16	in channel en route to disposal area

Observer name David Lange / Andrew Brown

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Mobile

PROJECT NAME: Mobile Harbor Channel DREDGE NAME: Columbia

Date: 13 June 04 Load #s: 659 - 663 Areas dredge worked: STA 625 +00 – 700 +00

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

AIR TEMP: 88° F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 86.5 °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 (✓)

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

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

Material: Mud & Clay

biological specimens: Sand eels, small minnows

Abiotic: Wood, stone, & clay

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
		/	

Observer name A. Brown / D. Lange

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE DISTRICT: Mobile

PROJECT NAME: Mobile Harbor Channel DREDGE NAME: m/v Columbia

Dates: 07 June 2004 - 13 June 2004 Load #s: 631 – 663

Areas dredge worked: STA 625+00 — 700+00

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

Which species? Ø

Comments: MATERIAL dredged: Mud, clay, + silt
Few biological specimens include – Sand eels,
VARIOUS SMALL fish, wood, + debris

BRIDGE WATCH SUMMARY

Date/Time	Species	# Sightings/# Animals	Location/Comments
7 June	Tt	2 / ~40	SCATTERED locations
8 June	Tt	1 / 10-12	channel
10 June	Tt	1 / 10	"
11 June	Tt	1 / 7	dumpsite
12 June	Tt	1 / 12-16	channel.

Observer name A. BROWN / D. LANGE

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Mobile

PROJECT NAME: Mobile Harbor Channel DREDGE NAME: m/v Columbia

Date: 14 June 2004 Load #s: 664-667 Areas dredge worked: Stations 625+00 - 700+00

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

AIR TEMP: 80° °C/(°F)

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

WATER TEMP: Surface 85° °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)) N/A

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

material dredged = mud, clay, silt composite
bycatch = none in inflow box, sand eels in hopper
other screen contents = scrap wood + metal, rocks, trash
heavy winds and rain for past 24 hrs.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1205	T. truncatus	1 / 3	in channel
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Observer name David Lange / Andrew Brown

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Mobile

PROJECT NAME: Mobile Harbour Channel DREDGE NAME: Columbia

Date: 15 June 04 Load #s: 668 – 671 Areas dredge worked: STA 625+00 – 700 +00

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

AIR TEMP: 82.5 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 82.5F °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)) ~~0~~

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

Material is mud with few biological specimens, including sand eels and small minnows.
Abiotic samples: wood, stone, debris, + clay

No Sightings No Incidents

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1423	Tt	2 / 5	in Channel
1957	Tt	1 / 5	" "
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Observer name A. Brown / D. Lange

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Mobile
PROJECT NAME: Mobile Harbor Channel DREDGE NAME: Columbia

Date: 16 June Load #s: 672 - 675 Areas dredge worked: 625-700 190+00 - 260+00

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

AIR TEMP: 86 °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: good Condition of screening: good

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

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

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

DREDGED MATERIAL IS MUD. Few biotic specimens include BLUE CRAB, SAND eel, & SMALL MINNOWS. Abiotic samples: wood, stone & debris. Moved to new diggins site, further up the mouth. Observer DAVID LANGE departed dredge, 1 Observer will cover the 24 hr. period solo.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0644	TT	1 / 6	in channel

Observer name Andrew Brown

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Mobile

PROJECT NAME: Mobile Harbour Channel DREDGE NAME: Columbia

Date: 17 june Load #s: 676 - 680 Areas dredge worked: 190+00 – 260+00

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

AIR TEMP: 86° °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 84°F °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)) Ø

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

DREDGED MATERIAL IS MUD. Few biological specimens, include blue crabs, sand eels, + small minnows. Abiotic components include wood, debris + clay.

No Sightings No Incidents

BRIDGE WATCH SUMMARY

Time	Species	# Sightings	# Animals	Location/Comments
1054	Tt	1	13-15	Channel
1120	Tt	1	23-28	Dump site
1536	Tt	1	7	Channel

Observer name Andrew Brown

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Mobile

PROJECT NAME: Mobile Harbour Channel DREDGE NAME: Columbia

Date: 18 June Load #s: 681 Areas dredge worked: 190 +00 - 260 +00

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

AIR TEMP: 87° °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 84° °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):

At Fuel Dock most of day

Dredged Material Mud Few biological specimens

No Incidents No Sightings

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
	∅	/	

Observer name Andrew Brown

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Mobile

PROJECT NAME: Mobile Harbour Channel DREDGE NAME: Columbia

Date: 19 June 04 Load #s: 682 - 684 Areas dredge worked: 190+00 – 260+00

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

AIR TEMP: 85°F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 85°F °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)) Ø

Comments (type of material, biological specimens, unusual circumstances, etc): DREDGED MATERIAL IS MUD with few biological samples: Sand eels, small fish, some blue crabs. Abiotic samples: wood, stone, & debris

No Sightings No Incidents

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0847	Tt	1 / 5	CUT area
0907	Tt	1 / 7	at Dump
1632	Tt	1 / 9	in Channel.

Observer name Andrew Brown

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Mobile

PROJECT NAME: Mobile Harbour Channel DREDGE NAME: Columbia

Date: 20 june 04 Load #s: 685-687 Areas dredge worked: 190+00 — 260+00

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

AIR TEMP: 89 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 87° °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)) ~~0~~

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

Material dredged: mud

Biotic Specimens: blue crabs (FEW) + small minnows + eels

Abiotic Specimens: wood, stone + debris

No Incidents No Sightings

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1102	Tt	1 / 39+	leaving Channel
1716	Tt	1 / 9	Near Dump.
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Observer name Andrew Brown

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE DISTRICT: Mobile

PROJECT NAME: Mobile Harbor Channel DREDGE NAME: Columbia

Dates: 14 june - 20 June 2004 Load #s: 664 - 687

Areas dredge worked: 625+00 - 700+00 And 190+00 - 260+00

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

Which species? Ø

Comments: Dredged material continues to be mud, containing few biological samples, including small eels, minnows, and some blue crabs. Abiotic samples are wood, rock, and human-generated debris.

As of 16 june, one observer on duty 24 hours coverage.

No Incidents No Sightings

BRIDGE WATCH SUMMARY

Date/Time	Species	# Sightings/# Animals	Location/Comments
14 june 1205	T. truncatus	1 / 3	Channel
15 june 1423	Tt	2 / 10	"
16 june 0664	Tt	[redacted] / 6	"
17 june 1054	Tt	3 / 43-50	" & dump
19 june 0847	Tt	3 / 21	" & dump
20 june 1102	Tt	2 / 48+	" & "

Observer name A. Brown / D. Lange

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Mobile

PROJECT NAME: Mobile Harbour Channel DREDGE NAME: Columbia

Date: 21 June 04 Load #s: 688 – 691 Areas dredge worked: 190+00 – 260+00

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

AIR TEMP: 91 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 87° °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)) Ø

Comments (type of material, biological specimens, unusual circumstances, etc): Material continues to be muck. Few biological samples, include eels, small fish/minnows, and an occasional blue crab. Abiotic samples: large rocks, + debris

No Sightings No Incidents

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1051	Tt	1 / 3	Channel
1110	Tt	1 / 9	Channel
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Observer name Andrew Brown

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Mobile

PROJECT NAME: Mobile Harbour Channel DREDGE NAME: Columbia

Date: 22 June 04 Load #s: 692 - 695 Areas dredge worked: 190+00 - 260+00

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

AIR TEMP: 89 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 87°F °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)) Ø

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

MATERIAL IS MUD. Few biological specimens observed, mostly eels, small fish and an occasional blue crab

Abiotic samples: sea grass, wood, stone & debris

A day of several severe thunderstorms.

No Sightings No Incidents

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
Ø		/	

Observer name Andrew Brown

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Mobile

PROJECT NAME: Mobile Harbor Channel DREDGE NAME: Columbia

Date: 23 June Load #s: 696 – 699 Areas dredge worked: 190+00 – 260+00

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

AIR TEMP: 89 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 87° °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)) Ø

Comments (type of material, biological specimens, unusual circumstances, etc): DREDGED MATERIAL IS MUD with few biotic samples, which include eels, small fish + minnows, and occasional blue crab. Abiotic samples include pieces of wood, sea grass, + debris

No Sightings No Incidents

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1050	TT	1 / 9	in Channel.

Observer name A. Brown

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Mobile

PROJECT NAME: Mobile Harbor Channel DREDGE NAME: Columbia

Date: 24 june Load #s: 700 - 703 Areas dredge worked: 190+00 - 260+00

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

AIR TEMP: 89 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 86°F °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): Material is mud - few biological specimens: Eels, a blue crab, small fish & minnows + seagrass. Abiotic samples: wood, shell, & stone & debris

No Incidents No Sightings

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
		/	

Observer name Andrew Brown

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: 25 June Load #s: 704-706 Areas dredge worked: 190 too - 260 too

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

AIR TEMP: 90 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 86 °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): MATERIAL Dredged WAS MUD - NO BIOLOGICAL SPECIMENS FOUND. ABIOTIC SAMPLES included Wood & TRASH

NO INCIDENTS

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1045	Tursiops truncatus	1 / 3	In CHANNEL
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Observer name STACIE KNIGHT / ANDREW BROWN

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: 26 June, 04 Load #s: 707 - 711 Areas dredge worked: 190 +00 - 260 +00

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

AIR TEMP: 89 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 86 °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)) Ø

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

MATERIAL DREDGED WAS MUD
BIOLOGICAL SPECIMENS FOUND:
1 BLUE CRAB, 1 flounder
ABIOTICS: wood, crab trap, CARPET

NO INCIDENTS

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1308	Tursiops truncatus	2 / 4	IN Channel
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Observer name STACIE KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: 27 June 04 Load #s: 712-714 Areas dredge worked: 190+00 – 260+00

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

AIR TEMP: 89 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 86-87 °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)) Ø

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

MATERIAL DREDGED WAS MUD
NO BIOLOGICAL SAMPLES WERE FOUND
ABIOTICS INCLUDED WOOD AND TRASH

NO INCIDENTS

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1700	TE	1 / 4	in CHANNEL
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Observer name STACIE KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Dates: 21 June, 04 - 27 June 04 Load #s: 688 - 714

Areas dredge worked: 190 too - 260 too

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

Which species? Ø

Comments: MATERIAL DREDGED WAS MUD
BIOLOGICAL SPECIMENS SEEN: EELS, SMALL FISH, FLOUNDER, AND BLUE CRAB
ABIOTIC SAMPLES ARE WOOD, CRAB TRAPS, AND TRASH
ON JUNE 25 04 OBSERVER STACIE KNIGHT REPLACED ANDREW BROWN. THERE CONTINUES TO BE ONLY ONE OBSERVER FOR 24 hour COVERAGE

NO INCIDENTS

BRIDGE WATCH SUMMARY

Date/Time	Species	# Sightings/# Animals	Location/Comments
21 June 1057	Tursiaps truncatus	1 / 3	in Channel
21 June 1110	Tt	1 / 9	in Channel
23 June 1050	Tt	1 / 9	in Channel
25 June 1045	Tt	1 / 3	in Channel
26 June 1208	Tt	2 / 4	in Channel
27 June 1200	Tt	1 / 4	in Channel
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Observer name Stacie Knight, Andrew Brown

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: 28 June 04 Load #s: 715-717 Areas dredge worked: 190+00 - 260+00

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

AIR TEMP: 92 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 84 °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): MATERIAL DREDGED WAS MUD
NO BIOLOGICAL SPECIMENS WERE FOUND IN SCREEN
ABIOTICS FOUND: WOOD, TRASH, line

NO INCIDENTS

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1350	TE	1 / 2	IN CHANNEL
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Observer name STACIE KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MoBILE

PROJECT NAME: MoBILE HARBOr CHANNel DREDGE NAME: CoLumBiA

Date: 29 June 04 Load #s: 718 - 722 Areas dredge worked: 190+00 - 260+00

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

AIR TEMP: 88 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 83 °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):

MATERIAL DREDGED WAS MUD
NO BIOLOGICAL MATERIAL WAS Found
IN SCREENING
ABIOTICS Found consisted of wood
And TRASH

NO INCIDENTS NO SIGHTINGS

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name Stacie KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: 30 June 04 Load #s: 723-725 Areas dredge worked: 275+00 - 350+00

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

AIR TEMP: 92 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 83-84 °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)) Ø

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

MATERIAL DREDGED WAS MUD
NO BIOLOGICAL MATERIAL WAS FOUND
ARIOTICS CONSTITED OF WOOD AND METAL

NO INCIDENTS NO SIGHTINGS

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name Stacie Knight

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: 1 July Load #s: 726 - 728 Areas dredge worked: 275+00 - 350+00

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

AIR TEMP: 92 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 83 °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):

- MATERIAL DREDGED WAS MUD
- BIOLOGICAL MATERIAL FOUND: 1 Blue Crab, 1 immature Jack, 1 worm
- ABIOTICS CONSISTED OF Wood and TRASH

NO INCIDENTS

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1432	Tursiops truncatus	1 / 2	NEAR DISPOSAL site Following Trawler
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Observer name STACIE KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: 2 July 04 Load #s: 729 - 731 Areas dredge worked: 275+00 - 350+00

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

AIR TEMP: 93 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 83 °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):

MATERIAL DREDGED WAS Mud
BIOLOGICAL SAMPLES FOUND : SMALL FISH
ABIOTICS : wood

NO INCIDENTS

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1005	T. truncatus	1 / 2	IN CHANNEL
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Observer name STACIE KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: 3 July 04 Load #s: 732-735 Areas dredge worked: 275 too 350 too

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

AIR TEMP: 93 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 84-83 °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):

- MATERIAL DREDGED WAS MUD
- NO BIOLOGICAL MATERIAL WAS FOUND
- ABIOTICS: WOOD + TRASH

NO INCIDENTS

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0920	T. truncatus	1 / 5	NEAR #5 Buoy
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Observer name STACIE KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: 4 July 04 Load #s: 736 - 739 Areas dredge worked: 275+00 - 350+00

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

AIR TEMP: 94 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 83-84 °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):

MATERIAL DREDGED WAS MUD
BIOLOGICAL SPECIMENS SEEN: 1 Blue
Crab, immature Fish, EEL
ABIOTICS: Wood + TRASH

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1305	Tetrencatus	1 / 4	In CHANNEL
1520	Tt	1 / 3	In CHANNEL
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Observer name Stacie KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Dates: 28 June 04 - 4 July 04 Load #s: 715 - 739

Areas dredge worked: 190+00 - 260+00, 275+00 - 350+00

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

Which species? ___

Comments:

MATERIAL DREDGED WAS MUD
BIOLOGICAL BY-CATCH CONTINUES TO BE
MINIMAL AND CONSISTS OF 3 EELS,
Small Fish, 1 WORM, AND 2 BLUE CRABS
ABIOTICS INCLUDED WOOD AND TRASH

BRIDGE WATCH SUMMARY

Date/Time	Species	# Sightings/# Animals	Location/Comments
28 June 1350	Tursiops truncatus	1 / 2	In Channel
1 July 1932	Tt	1 / 2	NEAR Disposal Site
2 July 1005	Tt	1 / 2	In CHANNEL
3 July 0920	Tt	1 / 5	" Near #5
4 July 1305	Tt	1 / 4	In Channel
4 July 1520	Tt	1 / 3	"
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Observer name STACIE KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: 5 July 04 Load #s: 740 – 743 Areas dredge worked: 275+00 – 350+00

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

AIR TEMP: 94 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 84 °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):

- MATERIAL DREDGED WAS MUD
- BIOLOGICAL BY-CATCH MINIMAL and Consisted OF EELS AND SMALL FISH
- ABIOTICS INCLUDED WOOD AND TRASH

NO INCIDENTS

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0950	Tursiops truncatus	1 / 3	IN CHANNEL By Trawler
1540	TT	1 / 10	" Bow Riding
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Observer name Stacie KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: 6 July 04 Load #s: 744 – 747 Areas dredge worked: 275+00 – 350+00

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

AIR TEMP: 93 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 84 °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): _____

· MATERIAL DREDGED WAS WOOD
· NO BIOLOGICA MATERIAL WAS FOUND IN SCREENING
· ABIOTICS: WOOD, OYSTER SHELL, TRASH

NO INCIDENTS

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1800	Tursiops truncatus	1 / 5	In Channel
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Observer name Stacie KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: 7 July 04 Load #s: 748 - 749 Areas dredge worked: 275 too - 350 too

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

AIR TEMP: 93 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 84 °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): MATERIAL DREDGED WAS MUD
BIOLOGICAL BY-CATCH CONSISTED OF EEL
ABIOTICS INCLUDED WOOD, TRASH AND OYSTER SHELL

NO INCIDENTS

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1635	Tursiop truncatus	1 / 5	In channel near 45
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Observer name STACIE KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: 8 July 04 Load #s: 750 - 752 Areas dredge worked: 275+00 - 350+00

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

AIR TEMP: 93 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 84 °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):

MATERIAL DREDGED WAS MUD AND SOME CLAY

- BIOLOGICAL BY-CATCH WAS MINIMAL AND INCLUDED EEL AND SMALL FISH
- ABIOTICS CONSISTED OF WOOD AND OYSTER SHELL

NO INCIDENTS

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1145	T. truncatus	1 / 3	IN CHANNEL
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Observer name STACIE KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: Mobile Harbor Channel DREDGE NAME: COLUMBIA

Date: 9 JULY 2004 Load #s: 753-756 Areas dredge worked: 275 +00 - 350 +00

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 86 °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)

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

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

* Material is a mix of mud, silt, and clay.
* Screen contents include wood debris, (2) Blue Crab, and misc. trash.
* Eels and other small fish are common in the hopper each load.
* Observer change today - FEDORKO replaced Knight -

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
	Ø	/	

Observer name BRIAN FEDORKO

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: Mobile Harbor Channel DREDGE NAME: COLUMBIA

Date: 10 JULY 2004 Load #s: 757-~~760~~ 759 Areas dredge worked: 275+00 - 350+00

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

AIR TEMP: 75-87° °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 86° °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)

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

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

* Material is still a mix of mud, silt, and clay.
* Contents of inflow screening includes minimal trash, some wood debris
* Draghead debris included (2) Crab Traps and some trash.
* Eels and small fish are common in the hopper each load

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
	Ø	/	

Observer name BRIAN FEDORKO

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: 11 JULY 2004 Load #s: 760-763 Areas dredge worked: 275+00 - 350+00

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

AIR TEMP: 76-88 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 87 °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)___

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

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

* Material continues to be a mix of mud/silt/clay.
* Screen contents are minimal: (1) Crab Trap, Wood Debris, Plastic Trash, old oyster shell.
* Draghead contents included (1) Crab Trap.
* Eels and sm. fish are abundant in hopper every load.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1540 HRS	Tursiops truncatus	1 / 8-12	Channel near Mobile Pt. - On way to disposal area.

Observer name BRIAN FEDORKO

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Dates: 5 JULY '04 - 11 JULY '04 Load #s: 740 - 763

Areas dredge worked: 275+00 - 350+00

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

Which species? N/A

Comments: * Material dredged is a mix of mud, silt, and some clay

* Very little debris was found in inflow screening - wood, oyster shells, crab traps, onion sacks, rope, several rocks.

* Several crab traps were recovered from draghead.

* Eels and sm. misc. fish are numerous in the hopper every load.

* BRIAN Fedorko replaced Stacie Knight on 9 JULY (FRIDAY)

BRIDGE WATCH SUMMARY

Date/Time	Species	# Sightings/# Animals	Location/Comments
5 JULY 0950	Tursiops truncatus	1 / 3	In Channel by Trawler
5 JULY 1540	" "	1 / 6	In Channel - Bow Riding
6 JULY 1800	" "	1 / 5	In Channel
7 JULY 1635	" "	1 / 5	In Channel - Near 45
8 JULY 1145	" "	1 / 3	In Channel
11 JULY 1540	" "	1 / 8-12	Channel - Near Mobile Pt.

Observer name BRIAN FEDORKO

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: 12 JULY 04 Load #s: 764 - 767 Areas dredge worked: 275+00 - 350+00

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

AIR TEMP: 75-93 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 86 °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)

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

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

* Material is a mix of mud, silt, and some clay.
* Inflow screen contents include wood debris, trash, and very little old shell.
* Drayhead contents include (1) Crab Pot and a wad of 3/4" line ca. 150' long.
* Dredge was @ dock for water and fuel ca. 1400-1515 HRS.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
	Ø	/	

Observer name BRIAN FEDORKO

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: 13 JULY 2004 Load #s: 768-771 Areas dredge worked: 275+00 - 350+00

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

AIR TEMP: 75-93 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 86 °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)

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

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

* Material type: mix of mud, silt, and clay
* Typical screen contents includes wood debris and misc. trash. Very little, if any, biotic debris.
* Severe lightning in Mobile Area after ca. 1900 HRS
* Eels & misc small fish continue to appear in hopper every load. (8-12+ eels)

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1429	T. truncatus	1 / 3-4	Between Channel & Disposal Area W. of Buoy 5
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Observer name BRIAN FEDORKO

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE

PROJECT NAME: MOBILE HARBOR CHANNEL DREDGE NAME: COLUMBIA

Date: 14 JULY 2004 Load #s: 772- Areas dredge worked: 275^{+00} - 350^{+00}

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

AIR TEMP: 78-90 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 86 °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)

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

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

* Material is mud, silt, and very little clay.
* Last load is 772 - No debris found in inflow screening or draghead.
* Dredge scheduled to go to drydock/shipyard next a.m.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name BRIAN FEDORKO

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: MOBILE BAY, AL

DAILY REPORT

Date 07 / 27 / 04 Load Numbers 773

Areas Worked 30°27.04 N 88°00.88 W TO 30°25.86 N 88°00.80 W

Weather Conditions (incl. sea conditions) LIGHT VARIABLE WINDS, 1' SEAS, PARTLY CLOUDY

Range of Water Temp., Surface 85°F Below Mid-Depth 85°F

Condition and Effectiveness of Screening ALL SCREENING IS IN GOOD CONDITION

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

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.)

- NO PROTECTED SPECIES WERE OBSERVED IN SCREENING.
- THE SUBSTRATE BEING DREDGED IS MUD.
- BIOLOGICAL SPECIMENS OBSERVED IN SCREENING CONSISTED SOLELY OF BIVALVE SHELL.
- ABIOTIC DEBRIS RETAINED IN SCREENING WAS MINIMAL AND WAS COMPOSED ENTIRELY OF WOOD.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty THIS FIGE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: MOBILE BAY, AL

DAILY REPORT

Date 07 / 28 / 04 Load Numbers 774 - 779

Areas Worked 30°25.86N 80°00.80W TO 30°27.04N 88°00.88W

Weather Conditions (incl. sea conditions) 1' SEAS, CLEAR, N WINDS ~ 5 KTS

Range of Water Temp., Surface 85 - 86°F Below Mid-Depth 85 - 86°F

Condition and Effectiveness of Screening 100% INFLOW SCREENING - ALL SCREENING IS IN GOOD CONDITION

Are there incidents involving endangered or protected species? YES NO

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.)

- NO PROTECTED SPECIES WERE OBSERVED IN SCREENING.
- THE SUBSTRATE BEING DREDGED IS MUD.
- NO BIOLOGICAL SPECIMENS WERE OBSERVED IN SCREENING.
- ABIOTIC DEBRIS RETAINED IN SCREENING WAS MINIMAL AND CONSISTED OF WOOD, ROPE, AND A CRABPOT.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
T. TRUNCATUS	3	1240 IN CHANNEL FOLLOWING TRAWLER

Observer(s) on duty [illegible]

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: MOBILE BAY, AL

DAILY REPORT

Date 07 / 29 / 04. Load Numbers 780 - 784

Area(s) Worked STATIONS 870+00 TO 940+00 OR 30°27.04N 88°00.88 TO 30°25.86N 88°00.80W

Weather Conditions (incl. sea conditions) 1' SEA, LIGHT VARIABLE WINDS, CLEAR

Range of Water Temp., Surface 86°F Below Mid-Depth 86°F

Condition and Effectiveness of Screening 100% INFLOW SCREENING - ALL SCREENING IS IN GOOD CONDITION

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

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED
- THE SUBSTRATE BEING DREDGED IS MUD.
- NO BIOLOGICAL SPECIMENS WERE OBSERVED IN SCREENING.
- ABIOTIC DEBRIS RETAINED IN SCREENING WAS MINIMAL AND CONSISTED OF ROPE AND CLOTHING.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty TIM TAYE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: MOBILE BAY, AL

DAILY REPORT

Date 07 / 30 / 04 Load Numbers 785 - 790

Areas Worked STATIONS 870+00 TO 940+00 OR 30°27.04N 88°00.88 TO 30°25.86N 88°00.80W

Weather Conditions (incl. sea conditions) SWINDS 5-10 KTS, 1-2' SEAS, CLOUDY W/ SOME RAIN

Range of Water Temp., Surface 86°F Below Mid-Depth 86°F

Condition and Effectiveness of Screening 100% INFLOW SCREENING - ALL SCREENING IS IN GOOD CONDITION.

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

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.
- THE SUBSTRATE BEING DREDGED IS MUD AND A LITTLE CLAY
- NO BIOLOGICAL SPECIMENS WERE OBSERVED IN SCREENING.
- ABIOTIC DEBRIS RETAINED IN SCREENING WAS MINIMAL AND CONSISTED OF A CRABPOT AND A LARGE SECTION OF TARPULIN.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty TITS Fife

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: MOBILE BAY, AL

DAILY REPORT

Date 07 / 31 / 04 Load Numbers 791 - 795

Areas Worked STATIONS 870+00 TO 940+00 OR 30°27.04N 88°00.88W TO 30°25.86N 88°00.80W

Weather Conditions (incl. sea conditions) E WINDS 5-10 KTS, 1-2' SEAS, PARTLY CLOUDY

Range of Water Temp., Surface 86° - 87° F Below Mid-Depth 86° - 87° F

Condition and Effectiveness of Screening 100% INFLOW SCREENING - ALL SCREENING IS IN GOOD CONDITION.

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

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.
- THE SUBSTRATE BEING DREDGED IS MUD AND A SMALL AMOUNT OF CLAY.
- NO BIOLOGICAL SPECIMENS WERE OBSERVED IN SCREENING.
- ABIOTIC DEBRIS RETAINED IN SCREENING WAS MINIMAL AND WAS COMPOSED OF CLOTHING, TRASH, AND A SECTION OF GARDEN HOSE.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
T. TRUNCATUS	4	1100 FEEDING IN CHANNEL

Observer(s) on duty [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: MOBILE BAY, AL

DAILY REPORT

Date 08 / 01 / 04 Load Numbers 796 - 800

Areas Worked STATIONS 870+00 to 940+00 = R 30°27.04N 88°00.88W TO 30°25.86N 88°00.80W

Weather Conditions (incl. sea conditions) LIGHT VARIABLE WINDS, 1-2' SEAS, PARTLY CLOUDY

Range of Water Temp., Surface 87° - 88° F Below Mid-Depth 87° - 88° F

Condition and Effectiveness of Screening 100 % INFLOW SCREENING - ALL SCREENING IS IN GOOD CONDITION.

Are there incidents involving endangered or protected species? YES Ø

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.)

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.
- THE SUBSTRATE BEING DREDGED IS MUD AND CLAY
- NO BIOLOGICAL SPECIMENS WERE OBSERVED IN SCREENING.
- ABIOTIC DEBRIS RETAINED IN SCREENING WAS MINIMAL AND CONSISTED OF CLOTH AND TRASH.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty [illegible]

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: MOBILE BAY, AL

DAILY REPORT

Date 08 / 02 / 04 Load Numbers 801 - 806

Area(s) Worked STATIONS 870' TO 940' OR 30°27.04N 88°00.88W TO 30°25.86N 88°00.80W

Weather Conditions (incl. sea conditions) LIGHT VARIABLE WINDS, 1-2' SEAS, OVERCAST, RAIN

Range of Water Temp., Surface 86°F Below Mid-Depth 86°F

Condition and Effectiveness of Screening 100% INFLOW SCREENING - ALL SCREENING IN GOOD CONDITION

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

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.

- THE SUBSTRATE BEING DREDGED IS MUD ALONG WITH A SMALL AMOUNT OF CLAY.

- NO BIOLOGICAL SPECIMENS WERE OBSERVED IN SCREENING.

- ABIOTIC DEBRIS RETAINED IN SCREENING WAS MINIMAL AND CONSISTED OF ROPE, PIPE & TRASH.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
T. TRUNCATUS	2	2000 IN CHANNEL - MOTHER & CALF

Observer(s) on duty TITS FAYE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: MOBILE BAY, AL

WEEKLY SUMMARY

Dates 07/27/04 - 08/02/04 Load Numbers 773-806

Range of Water Temp., Surface 85°-88° F Below Mid-Depth 85-88°F

Areas Worked (lat/longs, stations) 30°27.04N 88°00.88W to 30°25.86N 88°00.80W

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

Comments (turtle takes, whale sightings, effectiveness of screening, by-catch, material, other info):

- THE COLUMBIA CAME OUT OF THE SHIPYARD AND RESUMED DREDGING AT 1754, 07/27/04.
- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.
- THE SOLE BIOLOGICAL SPECIMENS OBSERVED IN SCREENING WERE BIVALVE SHELL.
- ABIOTIC DEBRIS RETAINED IN SCREENING WAS MINIMAL AND CONSISTED OF WOOD, ROPE, CRABPOTS, CLOTHING, PIPE & OTHER ASSORTED TRASH.
- ALL SCREENING IS IN GOOD CONDITION. 100% INFLOW SCREENING.
- THE TURTLE DEFLECTOR IS IN PLACE AND IN GOOD CONDITION.
- THE COLUMBIA WORKED STATIONS 870+00 TO 940+00

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
07/27	Ø	
07/28	T. TRUNCATUS 3	1240 IN CHANNEL w/ TRAWLERS
07/29	Ø	
07/30	Ø	
07/31	T. TRUNCATUS 4	1100 FEEDING IN CHANNEL
08/01	Ø	
08/02	T. TRUNCATUS 2	2000 IN CHANNEL - MOTHER & CALF

Observers on duty Tim Tate

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: MOBILE BAY, AL

DAILY REPORT

Date 08 / 03 / 04 Load Numbers 807 - 809

Area(s) Worked STATIONS 870+00 TO 940+00 AND 1480+00 TO 1580+00

Weather Conditions (incl. sea conditions) LIGHT VARIABLE WINDS, 1' SEAS, HAZY

Range of Water Temp., Surface 86°F Below Mid-Depth 86°F

Condition and Effectiveness of Screening 100% INFLOW SCREENING - ALL SCREENING IS IN GOOD CONDITION.

Are there incidents involving endangered or protected species? YES NO

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.
- THE SUBSTRATE BEING DREDGED WAS MUD & CLAY.
- BIOLOGICAL SPECIMENS OBSERVED IN SCREENING INCLUDE: GASTROPOD & BIVALVE SHELLS, GASTROPOD EGG CASINGS, AND SEA OATS.
- ABIOTIC DEBRIS RETAINED IN SCREENING WAS MINIMAL AND CONSISTED OF ROPE, CRABPOT, AND TRASH.
- THE MOBILE BAY PORTION OF THE CONTRACT WAS CONCLUDED WITH LOAD 809.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty [illegible]