DAILY REPORT

USACE DISTRICT: Mobile, AL District
PROJECT NAME: Mobile Bay Channel deepening DREDGE NAME: Stuyvesant

Date: 02Sep 04 Load #s: 001 - 002 Areas dredge worked: assignment 1

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

AIR TEMP: 81 - 86 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 83 °C (F) Column (mid-depth) 81.2 °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 retained by screens included clay, mud, driftwood, metal, plastic, 30-40 juv. mullet, 10-15 Blue crabs, net.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name Jen Sumwalt / Macy Lee

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: W912P8-04-C0045 DREDGE NAME: Stuyvesant

Date: 08 Sep 04 Load #s: 003-004 Areas dredge worked: Assignment 1

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

AIR TEMP: 76-84 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 28 °C (F) Column (mid-depth) 81.5-82 °C (F) Bottom N/A °C / F

Condition of deflector: good Condition of screening: good

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

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

Comments (type of material, biological specimens, unusual circumstances, etc): Material retained by screens included: mud, clay, metal, plastic, wood, live unknown fish, ~7 blue crabs

Dredge @ anchor offshore due to repairs @ 17:11. Began return @ 1813.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
≅ 1718	T. truncatus	1 / 1	off bow
≅ 1718	Least Terns	1 / 5-8	

Observer name Jen Somwalt / Marcy Lee

Contract # W91278-04-C-0045

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay/channel Deepening DREDGE NAME: Stuyvesant

Date: 09 Sep 04 Load #s: 006-008 Areas dredge worked: Assignment #1

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

AIR TEMP: 80-84.6 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 82 °C/°F Column (mid-depth) 79-80 °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 retained by screens included: mud, clay, wood, metal, plastic, broken dishes, 2 black drums, 2 blue crabs, mantis shrimp, juv. tarpon, juv. mullet, 1 unknown mammal skull (canine?) w/skin torgans intact

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name Jen Sumwalt / Marcy Lee

DAILY REPORT

USACE DISTRICT: Mobile AL
PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

Date: 10Sep04 Load #s: 009 - 011 Areas dredge worked: Assignment 1

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

AIR TEMP: 79-88 °C (F)
WATER TEMP: Surface 82-84 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)) Column (mid-depth) 80 °C/(F) Bottom — °C/F

Condition of deflector: good Condition of screening: good

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

Which species? (complete incident form(s))

Comments (type of material, biological specimens, unusual circumstances, etc): material retained by screens included: clay, mud, wood, metal, plastic, net, & rope

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name Marcy Lee / Marcy Lee

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay | Channel Deepening DREDGE NAME: Stuyvesant

Date: 11Sep04 Load #s: 012 – 015 Areas dredge worked: Assignment # 1

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

AIR TEMP: 74 – 89 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 82-83 °C (F) Column (mid-depth) 80 °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 retained by screens included: clay, mud, metal, wood, plastic, & net/rope

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name Marcy Lee / Marg Lee

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE DISTRICT: Mobile, AL

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

Dates: 07 Sep 04 - 11 Sep 04 Load #s: 001 - 015

Areas dredge worked: Assignment #1

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

Which species? ___

Comments: Material retained by screen included:

07Sep04 - clay, mud, wood, metal, plastic, 30-40 juv. mullet, 10-15 blue crabs, net.

08Sep04 - clay, mud, wood, 1 juv unknown fish, + 7 blue crabs. Dredge anchored offshore for repairs

09Sep04 - clay, mud, wood, metal, plastic, broken dishes, 2 black drums, 2 blue crabs, mantis shrimp, juv tarpon, juv mullet, 1 unknown mammal skull (canine?) w/skin + organs in tact

10Sep04 - clay, mud, wood, metal, plastic, net + rope

11Sep04 - clay, mud, wood, metal, plastic, + net / rope

BRIDGE WATCH SUMMARY

Date/Time	Species	# Sightings/# Animals	Location/Comments
08 sept 04	T. truncatus	1 / 1	off bow
08 sept 04	least Terns	1 / 5-8	
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Observer name Jen Sumwalt / Marcy Lee

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay / Channel Deepening DREDGE NAME: Stuyvesant

Date: 12 Sep 04 Load #s: 016 – 019 Areas dredge worked: Assignment #1

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

AIR TEMP: 77 – 83 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 82 °C/(°F) Column (mid-depth) 80 °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 retained by screen included: clay, mud, metal, wood, plastic, & net/rope. 3 shrimp eel found on cat walk in hopper

BRIDGE WATCH SUMMARY

Time	Species	# Sightings	# Animals	Location/Comments
09:43	T. truncatus	1	2-3	off stbd beam

Observer name Mary Lee / Mary Lee

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile bay / Channel Deepening DREDGE NAME: Stuyvesant

Date: 13 Sept 04 Load #s: 20-22 Areas dredge worked: Assignment #1

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

AIR TEMP: 77-85.6° °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 82 °C/°F Column (mid-depth) 80° °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): Moderate amount of material retained by screens: clay, mud, wood, plastic, ropes, net.
1 crab, 2 eel fish on catwalk
last load dumped at 2140. Dredge relocates to Western Gulf to avoid Hurricane Ivan.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name Shanon L. Small

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: ~~Sy~~ Stuyvesant

Date: 14 Sept 04 Load #s: Ø Areas dredge worked: Ø

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

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

Condition of deflector: _____ Condition of screening: _____

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

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

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

Dredge relocated to western gulf to avoid Hurricane IVAN

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name Shannon L Small

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

Date: 15 Sept 04 Load #s: 6 Areas dredge worked: Ø

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

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

Condition of deflector: _____ Condition of screening: _____

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

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

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

Dredge relocated to Western Gulf to avoid Hurricane Ivan

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name Shawn L Small

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

Date: 16 Sept 04 Load #s: Ø Areas dredge worked: Ø

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

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

Condition of deflector: _____ Condition of screening: _____

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

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

Comments (type of material, biological specimens, unusual circumstances, etc): Dredge Relocated to Western Gulf to avoid Hurricane Ivan

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name Shannon L Small

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay/channel Deepening DREDGE NAME: Stuyvesant

Date: 17 Sept 04 Load #s: 0 Areas dredge worked: 0

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

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

Condition of deflector: _____ Condition of screening: _____

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

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

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

Dredge relocated to western Gulf to avoid Hurricane IVAN

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name Shannon L Small

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

Date: 8 Sept 04 Load #s: Ø Areas dredge worked: Ø

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

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

Condition of deflector: _____ Condition of screening: _____

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

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

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

Dredge in Route to Mobile, AL from western Gulf
Hurricane, IVAN no longer a threat.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
≈ 0940	T. Truncatus	2 / 1	across bow
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Observer name Shannon J. Small

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE DISTRICT: Mobile, AL

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

Dates: 12 Sept 04 - 18 Sept 04 Load #s: 016-022

Areas dredge worked: Assignment #1

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

Which species? ___

Comments: Material retained by screen included:

12 Sept 04 - clay, mud, metal, wood, plastic, net/rope, 3 shrimp & eel/foundmat walk

13 Sept 04 - clay, mud, wood, plastic, Pipes, net, 1 crab, 2 eel/foundmat walk

- dredge activity stopped w/ Num of load #22 @ 2140

Dredge relocated to Western Built to avoid Hurricane IVAN

14 Sept 04 -

15 Sept 04 - Dredge activity Stopped. Dredge Relocated to Western Built to avoid Hurricane IVAN

16 Sept 04 -

17 Sept 04 - Dredge in ~~Route~~ Back To Mobile, AL

18 Sept 04 -

BRIDGE WATCH SUMMARY

Date/Time	Species	# Sightings/# Animals	Location/Comments
12 Sept 04 0943	T. truncatus	1 / 2-3	off Stbd beam
18 Sept 04 0940	T. truncatus	2 / 1	across bow

Observer name Shannon L Small

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesent

Date: 19Sept04 Load #s: Ø Areas dredge worked: Ø

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

AIR TEMP: ≅ 95 °C/F
WATER TEMP: Surface 81 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)) 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): ____

Dredge returns to Mobile Bay m Am. Coast Guard resets channel markers Dredge on hold.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name Shannon L Small

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

Date: 20Sept04 Load #: 023-025 Areas dredge worked: #Segment 1+2

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

AIR TEMP: 75-86 °C/(F)
WATER TEMP: Surface ___ °C/(F) Column (mid-depth) 72 °C/(F) Bottom ___ °C/F
(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

Condition of deflector: Good Condition of screening: Good

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

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

Comments (type of material, biological specimens, unusual circumstances, etc): Screens retained material including wood, clay, mud, net, ropes, metal, misc debris.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name Shannon L. Small

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

Date: 2 Sept 04 Load #s: 026-30 Areas dredge worked: Assignment 2

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

AIR TEMP: 72-81 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface ____ °C/(F) Column (mid-depth) ≈77 °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 retained by screens included mud, metal, clay, net, ropes, wood misc debris. 1 skate egg case.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name Sharon L. Small

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 22Sept04 Load #s: 031-035 Areas dredge worked: Assignment 2

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

AIR TEMP: 72-79 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface — °C/°F Column (mid-depth) ~77 °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 Retained by screen includes: wood, mud, clay, metal, plastic, net, rope & mush Debris.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name Shanon L-Small

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 23Sept04 Load #s: Ø Areas dredge worked: N/A

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

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

Condition of deflector: 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):
0130: Post engine trouble anchored for Repairs

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name Shanon L. Small

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 24Sept04 Load #s: 0 Areas dredge worked: N/A

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

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

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

Condition of deflector: _____ Condition of screening: _____

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):

NO Dredge activity/ Port engine damage.
Anchored for Repairs

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name Sharon L. Small

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 25 Sept 04 Load #s: 036-040 Areas dredge worked: Assignment #3

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

AIR TEMP: 78-87 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface — °C/°F Column (mid-depth) ≅79 °C/°F Bottom — °C/°F

Condition of deflector: Starboard damaged & repaired load 38 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):
- Assignment #3 KP 2120+00 2140+00 load cycle ≅3hr
- material is clean sand
- unrestricted airflow with no screen
- 100% screen on inflow
- Dredge operation with one arm and one engine
- Port engine disabled due to damaged turbo
- inside edge of weld on starboard deflector damaged in load #38. Weld repaired for a permanent fix.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE DISTRICT: Mobile, AL

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

Dates: 19 Sept 04 - 25 Sept 04 Load #s: 023-040

Areas dredge worked: Assignments 1+2+3

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

Which species? ___

Comments:

19 Sept 04: Dredge Returns to Mobile Bay after Relocation to western gulf to avoid Hurricane IVAN. Channel closed by orders of Coast Guard

20-22 Sept 04: Dredge activity in Assignment 1+2 material is mud w/ misc Debris

23-24 Sept 04: Port Engine trouble anchored for Repairs

25 Sept 04: Dredge activity in Assignment #3 material is clean sand overflow muse w/ no screen 100% inflow screen Dredge working w/ Starboard arm & engine only

BRIDGE WATCH SUMMARY

Damage & permanent repair made to starboard deflector load #38

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

Observer name Shanon L. Small

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 26 Sept 04 Load #s: 041-047 Areas dredge worked: Assignment #3

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

AIR TEMP: 74-80 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface ____ °C/F Column (mid-depth) = 79 °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): Dredge working with Starboard arm & engine only
Current cycle = 3hr.
Materials returned by screens included:
4 Whelk shells 2 alive & released
1 Sand dollar
1 Clearnose skate alive & released
2 Blue crab, 1 alive & released
1 Flounder
1 Spider Crab

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name Shanon L. Small

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 27Sept04 Load #s: 048-054 Areas dredge worked: Assignment 3

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

AIR TEMP: 73-77 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface — °C/°F Column (mid-depth) ≈78-79 °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):
Screens retained: 1 clear nose skate
2 Blue crabs
1 Southern stingray
Wood Debris

large obstruction struck starboard drag arm in load # 053. Deflector intact and in working order.

Dredge activity continues on starboard engine and arm only. Dig cycle ≈ 3hrs

** Air Temp. Record for all loads on 27Sept 04 incorrect. * Electric gauge set incorrectly. AAA

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name Shanon L. Small

DAILY REPORT

USACE DISTRICT: Mobile, AL

obs PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 28Sept04 Load #s: 055-059 Areas dredge worked: Assignment 3

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

AIR TEMP: 73-86 °C/(F)

WATER TEMP: Surface ____ °C/F Column (mid-depth) ≈78 °C/(F) Bottom ____ °C/F

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

Condition of deflector: good Condition of screening: good

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

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

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

Material retained by screen:
2 clear skate
1 unidentified crab

≈1500 Dredge activity stopped. Dredge heads inboard to dock

≈2130 Dredge Docked for repairs AL STATE DOCK

- Observer placed on standby -

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name Shannon L. Small

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 30Sept04 Load #s: Ø Areas dredge worked: Ø

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

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

Condition of deflector: _____ Condition of screening: _____

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

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

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

- Dredge at dock for Repairs
- All baskets: all screens cleared of ropes & nets by observers.
- Mid-loader cables removed and under repair. Mid baskets not in use for inflow screening.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name Shanon C. Small

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 01 Oct 04 Load #s: 000-001 Areas dredge worked: Assignment #4

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

AIR TEMP: 77-84 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface ____ °C / F Column (mid-depth) 27-29 °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):

Dredge working Assignment #4 KP 1095+00 1135+00
Material retained by screens is misc Debris & wood
100% inflow screening, NO OVERflow of material.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name Shanon L. Small

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 02 Oct 04 Load #s: 062-0660 Areas dredge worked: Assignment #4

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

AIR TEMP: 76-87 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface ____ °C / F Column (mid-depth) 76-80 °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): ____

Screened baskets opened to dump collected debris. Thick mud covers basket contents extra time & rinse required and helps flush out mud. Load #64

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1152	pos. t. gurrectus	1 / 3	Ship Channel Marker 37
1205	pos. T. truncatus	1 / 1	Ship Channel Marker 31

Observer name Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE DISTRICT: Mobile, AL

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Dates: 26 Sept 04 - 02 Oct 04 Load #s: 041-066

Areas dredge worked: Assignment #3 + #4

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

Which species? N/A

Comments:

26 Sept 04 Dredge working w/ starboard drag arm & engine only in Assignment #3. dig cycle ≅ 3 hr.

27 Sept 04 large obstruction struck starboard drag arm load #53 deflector intact and in working order
* Air Temp. record for all loads on 27 Sept 04 incorrect & electronic gauge set incorrectly

28 Sept 04 2130 Dredge Docked for repairs on port engine. Observer on stamby

29 Sept 04 No Dredging activity. Docked for repair

30 Sept 04 No Dredging activity. Docked for repair. Observer cleared nets & ropes trapped in aft screen. mid loader under repair. mid loader not in operation for inflow.

01 Oct 04 Dredge working Assignment #4 KP 1095+00 1135+00

02 Oct 04 Baskets opened for Dump of Debris load #64

BRIDGE WATCH SUMMARY

Date/Time	Species	# Sightings	# Animals	Location/Comments
02 Oct 1152	pos truncatus	1	3	Ship channel marker 37
02 Oct 1205	pos truncatus	1	1	Ship channel marker 31

Observer name Shanon L. Small

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 30 Oct 04 (30 Oct 04) Load #s: 067-071 Areas dredge worked: Assignment #4

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

AIR TEMP: 79-87 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface ____ °C/F Column (mid-depth) ≅ 80 °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 returned by screen include light debris and mud

Fish found on catwalk in hopper

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name: Shanon L. Small

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 04 Oct 04 Load #s: 072-076 Areas dredge worked: Assignment #4

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

AIR TEMP: 79-88 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface ___ °C/°F Column (mid-depth) ≈80 °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 Retained By Screens includes light Debris
ie: wood, plastic, metal, mud

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name Shannon Lamacl

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 05 Oct 04 Load #s: 077-082 Areas dredge worked: Assignment #4

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

AIR TEMP: 79-82 °C (F)
WATER TEMP: Surface ____ °C/F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)) Column (mid-depth) ≈80 °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 retained by screens is misc. light debris i.e. wood, plastic, rope, net, metal, trash, mud.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name: Shannon L. Small

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 06Oct04 Load #s: 083-87 Areas dredge worked: Assignment #4

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

AIR TEMP: ≈75-81 °C/(F)
WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≈80 °C/°F Bottom ____ °C/°F
(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

Condition of deflector: Good Condition of screening: Good

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

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

Comments (type of material, biological specimens, unusual circumstances, etc):
Materials retained by screen include light misc debris i.e. wood, plastic, rope, metal, trash, mud & clay.
1 unidentified scorpionfish in load 86.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
≈1330	BDS + Duncans	1 / 1	Ship Channel past beam

Observer name Shanon L. Small

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant
Date: 07Oct04 Load #s: 088-092 Areas dredge worked: Assignment #4

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

AIR TEMP: 78-80 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface — °C/°F Column (mid-depth) ≅79 °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):

07oct04 load 91: Main inflow door broke open to mid loader. Mid loader screen contents checked after dump of load 91. Unable to flush mud from aft baskets. Contents retained to be checked at first light upon repair to mid loader door.

load 92: Only mid loader in use. Mid baskets screens checked for content after dump of load 92.

08oct04 First light after dump of load 93. Superflush of hopper. Mid screen contents checked for load 93.

Aft loader screens checked for load 91 content.

Repairs made to inflow doors of mid loader.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name Shanon L. Small

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 080604 Load #s: 093-096 Areas dredge worked: Assignment 4&5

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

AIR TEMP: 74-76 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface ____ °C/F Column (mid-depth) 29 °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):

- Load 93 Ran in mid loader only.
- Repairs made to inflow door in mid loader At 1st light.
- All material Retained from load 91 (reject) in Aft loader and checked as repairs were made to inflow door
- Loads 94-96 all Ran in Aft loader only, Screens Retained Misc material incl: Disc: metal, net, wood, plastic, wire, rope, mud, & clay
- Load 95 Assignment change to #5 KP 850.00 890.00

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name Shanon L. Small

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 09Oct04 Load #s: 097-100 Areas dredge worked: Assignment #5

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

AIR TEMP: 74-77 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface ___ °C / F Column (mid-depth) ≅ 79 °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): Materials retained by screens include Miscellaneous Debris ie: Metal, plastic, chain, rope, wood, net, old traps, mud/clay, large piece of concrete.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE DISTRICT: Mobile, AL

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Dates: 03 Oct 04 - 09 Oct 04 Load #s: 067 - 100

Areas dredge worked: Assignment #4 & #5

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

Which species? n/A

Comments: Materials retained by include miscellaneous debris ie: metal, plastic, wood, rope, net, chain, rock, clay & mud.

07 Oct 04 & 08 Oct 04 loads 91 & 92 & 93 all loaded into mid loader due to broken door in open position. Repair made to door at first light. all materials screened and accounted for.

08 Oct 04 load 95 Assignment change to #5 kp 850+00 890+00

load 86 - unidentified Scorpionfish in Aft Basket.

load 91 - unidentified Small Barracuda like fish in Basket

10 eel like fish and 6 flat fish found on catwalk in hopper.

BRIDGE WATCH SUMMARY

Date/Time	Species	# Sightings/# Animals	Location/Comments
06 Oct ≅ 1330	Pos. truncatus	1 / 1	Ship channel port beam

Observer name Shanon L. Small

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 10Oct04 Load #s: 101-105 Areas dredge worked: Assignment #5

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

AIR TEMP: 71-77 °C/(F)
WATER TEMP: Surface ____ °C/F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)) Column (mid-depth) ≅77 °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): Materials retained by screens include miscellaneous Debris i.e.: Rope, metal, rock/concrete, plastic, wood, old traps, trash, mud, & clay.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
≅ 1500	Pds. Truncatus	3 / 1	outside sea buoy

Observer name Shanon L. Small

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 11 Oct 04 Load #s: 106-109 Areas dredge worked: Assignment #5

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

AIR TEMP: 77-84 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface ___ °C/°F Column (mid-depth) 77 °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):

Materials retained by screens include misc debris w/ metal, plastic, wood, rope, net, trash, clay, mud.
load 106: 2 Blue crabs found in aft screen basket.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name Shanon L. Small

DAILY REPORT

USACE DISTRICT: Mobile AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 14 Oct 04 Load #s: 119 - 122 Areas dredge worked: Assignment #6

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

AIR TEMP: (65-74 °C/F)
WATER TEMP: Surface ___ °C/F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)) Column (mid-depth) ≈76 °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):

Materials retained by screens included Misc Debris like wood, metal, plastic, net, rope, chain, old trap, trash, concrete, mud & clay.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals		Location/Comments
≈1020	POS. Tursiops	3	≈5	Ship Channel
≈1645	POS. Tursiops	3	2	Ship Channel 13-14

Observer name Sharon L. Small

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 15 Oct 04 Load #s: 123-126 Areas dredge worked: Assignment #6

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

AIR TEMP: 61-68 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface ___ °C/°F Column (mid-depth) ≈76 °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): Materials retained by screens include Misc Debris U, wood, plastic, metal, wire, concrete, net, rope, rubber, trash, old traps, mud, clay

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
≈1800	pos. truncatus	1 / 2	Ship channel bag 24

Observer name Shanon L. Small

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 16 Oct 04 Load #s: 127 – 132 Areas dredge worked: Assignment #6

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

AIR TEMP: 70-81 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface ___ °C/°F Column (mid-depth) ≅ 70 °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):
0932 - Dredge leaves Mobile Ship Channel to Pascagoula, MS
load 129 (1B10) Bayou Casotte Channel Pascagoula, MS
Kp 96+00 – 00+00 Both Sides Assignment #7
≅ 1200; second observer on board Gwen Oberholtzer
Observer shifts Shanon: 12A-12p; Gwen 12p-12A
Materials retained by screens include misc. Debris.
i.e.: wood, mud, metal, plastic, net, rope, wire, trash, concrete, old traps & clay.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings	# Animals	Location/Comments
≅1615	pos. Truncatus	1	1	Bayou Casotte Marker 3
≅1650	pos. Truncatus	many	5-7	Bayou Casotte Marker 2

Observer name Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE DISTRICT: Mobile, AL

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Dates: 10 oct 04 - 16 oct 04 Load #s: 101 - 132

Areas dredge worked: Assignment #5 + #6 + #7 (Boyou Casotte)

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

Which species? N/A

Comments: Materials Retained by screens include miscellaneous debris such as rope, net, wire, old traps, plastic, metal, trash, concrete, wood, mud, & clay.

Start of Assignment #7

16 Oct 04 leave Mobile AL 0932 after dump of load 128

1310 load 129 Boyou Casotte Channel PASCAGOULA, MS

Kp 96+00 - 00+00 both sides

- possible error in sea water mid column temp. due to poor recording 13 oct - 15 oct.

16 Oct 04 - Gwen Oberholtzer on board ≅ 1200 c.w. second observer.

- 10 oct - 15 oct Dredge activity as per previous weeks.

BRIDGE WATCH SUMMARY

Date/Time	Species	# Sightings/# Animals	Location/Comments
10 oct 04 ≅ 1500	Pos. truncatus	3 / 1	outside sea buoy
14 oct 04 ≅ 1020	Pos. Truncatus	3 / ≅ 5	Ship channel
14 oct 04 ≅ 1645	Pos. Truncatus	3 / 2	Ship channel buoy 13-14
15 oct 04 ≅ 1800	Pos. Truncatus	1 / 2	Ship channel buoy 24
16 oct 04 ≅ 1615	Pos. Truncatus	1 / 1	Boyou Casotte Marker 3
16 oct 04 ≅ 1650	Pos. Truncatus	Many / 5-7	Boyou Casotte Marker 2

Observer name Shanon L. Small

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening Boyou Casotte channel, MS DREDGE NAME: Stuyvesant
Date: 17 Oct 04 Load #s: 133 - 139 Areas dredge worked: Assignment #7

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

AIR TEMP: 74.8-80 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface — °C/°F Column (mid-depth) 70 °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)) NA

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

Type of debris consistent throughout loads consisting of wood, wire, metting and trash. Live eels (unknown spp.) and dead catfish (unknown spp.) noted; however no apparent sea turtle or sturgeon remains found. Screens were cleared of debris this afternoon after Load 134.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
≈ 0915	T. truncatus	many / 4-5	"Y" - Ship Channel BC
~ 1210	poss T. truncatus	multiple / 3	east side of dredge near shoaling area
1557	T. truncatus	1 / 4	Swimming in channel by buoy [illegible]
1633	poss T. truncatus	multiple / 15-20	Poss feeding - in channel

Observer name [signature], REMSA, INC.

DAILY REPORT

USACE DISTRICT: MOBILE, AL
PROJECT NAME: Mobile Bay Channel Deepening Bayou Casotte Channel, MS DREDGE NAME: STUYVESANT

Date: 18 OCT 04 Load #s: 140 – 146 Areas dredge worked: ASSIGNMENT 7, kp

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

AIR TEMP: 76-81.2 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface ____ °C/°F Column (mid-depth) 70 °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)) NA

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

Debris in hopper bucket continuing to contain wood, large clay balls, trash, netting & wire.

Biological specimens noted throughout loads consisted of hardhead catfish, speckled worm eels, eelfish, cutlass, horseshoe and spider crabs. 1 clear base skate

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name GWEN OBERHOLTZER, REMSA, INC.

[signature], Shannon L Small

DAILY REPORT

USACE DISTRICT: MOBILE, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: STUYVESANT

Date: 19 OCT 04 Load #s: 147 - 149 Bayou Areas dredge worked: ASSIGNMENT #7

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

AIR TEMP: 76-78.4 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface — °C/°F Column (mid-depth) 70 °C/°F Bottom — °C/°F

Condition of deflector: good Condition of screening: (R) starboard corner needs repair of aft basket

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

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

Comments (type of material, biological specimens, unusual circumstances, etc):
Dredge was docked for fueling from ~0900-2020.
Observer Nate Goddard came aboard to replace Sharon Small @ ~1500.
Noted hole in screening still present - reminded mate of the needed repair.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name GWENDOLYN OBERHOLTZER, REMSA, INC.

DAILY REPORT

USACE DISTRICT: MOBILE, AL
PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

Date: 20 OCT 04 Load #s: 150 - 156 Areas dredge worked: ASSIGNMENT #8 00°00 - 102°00 green 00°00 - 84°00 red

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

AIR TEMP: 77-82.2 °C (F)
WATER TEMP: Surface ___ °C/F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)) Column (mid-depth) 76 °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)) NA

Comments (type of material, biological specimens, unusual circumstances, etc): Material in loads still consisting of various types of debris: wood, clay balls, trash, netting, plastic, wire, rope, etc. Biological specimens included hardhead catfish (Ariopsis felis), Atlantic stingrays (Dasyatis sabina), spider crabs, a blue crab (Callinectes sapidus), jellyfish spp., and large amounts of brown algae. The hole in aft screening basket was repaired before Stanford on shift today (1200-2400).

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1408	T. truncatus	1 / 1-6-8	Fading E. of channel number #14

Observer name GWENDOLYN OBERHOLTZER, REMSA, INC.

DAILY REPORT

USACE DISTRICT: MOBILE, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: STUYVESANT

Date: 21 OCT 04 Load #s: 157 → 164 Areas dredge worked: ASSG. #8 N → 30°17.18 N 88°30.79 W S → 30°15.48 N 88°30.55 W

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

AIR TEMP: 77 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface — °C/°F Column (mid-depth) 75 °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)) NA

Comments (type of material, biological specimens, unusual circumstances, etc): Material Dredged: silt clay
biological: Hardhead catfish (Arius felis), sharp tailed Goby (Gobionellus hastatus)
Horseshoe crabs, blue crabs, Atlantic croaker (Micropogonias undulatus)
speckled wormeel (Myrophis punctatus), pass sand drum (Umbrina coroides)
Stardrum (Stellifer lanceolatus), welk shells, clam shells, muscle shells,
Dolphin skull

Debris: wood, wire, rope, grass, nebbing, rope, large clayballs, various trash including metals, plastics, cervis.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings	# Animals	Location/Comments
~1335	T. truncatus	1	8-10	Traveling alongside dredge on in ODMDS.
1655	"	1	3	Traveling N in channel between green 7-9 channel markers
1658	"	1	2	" " "

Observer name GWENDOLYN OBERHOLTZER, REMSA, INC.

DAILY REPORT

USACE DISTRICT: Mobile AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 22 OCT 04 Load #s: 165-171 Areas dredge worked: ASSGN. #8

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

AIR TEMP: 76-78.9 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface — °C/°F Column (mid-depth) 75 °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)) NA

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

Debris in Aft hopper basket consistent w/ previous loads.
Large amounts of clay repeatedly clogging basket this afternoon/evening.
Biological specimens today consisted of Hardhead catfish, speckled worm eels, spider crabs, shrimps, Atlantic stingrays + horseshoe crabs.
No sea turtles or marine mammals noted during bridge watch.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name Gwendolyn Oberholtzer, REASA, INC.

DAILY REPORT

USACE DISTRICT: MOBILE, AL
PROJECT NAME: Mobile Bay Channel Deepening Bayou Casotte DREDGE NAME: STUYVESANT

Date: 23 OCT 04 Load #s: 172 - 179 Areas dredge worked: ASSIGNMENT #8 + 9

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

AIR TEMP: 77.3-79.1 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface — °C/°F Column (mid-depth) 75 °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)) NA

Comments (type of material, biological specimens, unusual circumstances, etc):
Material still containing large amounts of clay, which is repeatedly clogging baskets. Loads obtained in Assignment 9 were full of clay — it was not possible to be certain that these loads didn't contain endangered or protected species. Clay level was approximately chest high.

List of today's biological specimens: (found in aft basket and hopper catwalk)
Horseshoe crabs
Speckled worm eels
Blue Crab
Hogchoker
Hardhead catfish
Atlantic croakers
Goby spp.
Jellyfish spp.
Whelk spp.
Tonguefish spp.
Blackedge Cusk Eel

BRIDGE WATCH SUMMARY

Time	Species	# Sightings	# Animals	Location/Comments
1320	T. truncatus	1	1	Breached ~50 pt S of ch. marker 36-Red
1747	T. truncatus	1	1	Traveling N in channel on starboard side of dredge.

Observer name GWENDOLYN OBERHOLTZER, REMSA, INC.

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE DISTRICT: Mobile, AL

PROJECT NAME: Mobile Bay Channel Deepening Bayou Casotte DREDGE NAME: Stuyvesant

Dates: 17 OCT 04 - 23 OCT 04 Load #s: 133 - 179

Areas dredge worked: ASSIGNMENTS #8 + 9

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

Which species? NA

Comments: - Dredging operations proceeded normally this week. Mine repair to right lower corner of hopper basket (starboard side) where rebar came apart on 19 OCT 04; re-fueling for portion of day also on 19 OCT 04.

- Load material throughout week still containing alot of trash, ie. wire, netting, plastic, clothing, and scrap metals. Also alot of wood, large clay balls, shells and brown macroalgae and an unknown type of grass. Difficulty observing content of baskets due to clogging up w/ large amount of clay.

- Biological specimens noted throughout week: Hardhead catfish, Speckled worm eels, Atlantic stingrays, spider crabs, horseshoe crabs, goby species, brown macroalgae, Hogchokers, blue crabs, Atlantic Croakers, Sand drum, Star drum, live whelk species, shrimp species, jellyfish species, Blackedge Cusk Eel, and tonguefish eggs.

- Began dredging in Assignment #9 Load 177.

BRIDGE WATCH SUMMARY

Date/Time	Species	# Sightings	# Animals	Location/Comments
17 OCT 04: ~0915	T. truncatus	many	4-5	"Y" - B.C. ship channel
~1210	poss T. truncatus	multiple	3	port side of dredge near shoaling area
1557	T. truncatus	1	4	Swimming in channel by Ch. marker #31
1633	poss T. truncatus	multiple	15-20	Poss feeding in channel
20 OCT 04: 1408	T. truncatus	1	~6-8	Feeding E of channel marker #14
21 OCT 04: ~1335	"	1	8-10	Traveling alongside dredge in disposal area
1655	"	1	3	Traveling N in channel between green 7+9 markers.
1658	"	1	2	" " "
23 OCT 04: 1320	"	1	1	Breached ~50 FT. S. of channel marker 36-Red
1747	"	1	1	Traveling N. in channel on starboard side of dredge.

Observer name GWENDOLYN OBERHOLTZER, REMSA, INC

DAILY REPORT

USACE DISTRICT: MOBILE, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 24 OCT 04 Load #s: 180 → 190 Areas dredge worked: ASSIGNMENT # 9

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

AIR TEMP: 77 - 83 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface — °C/°F Column (mid-depth) 75 °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)) NA

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

Amount of seagrass material continuously clogging aft basket. Only able to clearly monitor top layer of material in aft basket. Cannot be certain endangered or threatened species aren't entrained under debris. Basket is requiring opening and flushing after each load.

Today's species list: Whelk species
Hermit crabs
Horseshoe Crabs
Stone crab
Calico crab
Cowher species
Blue Crab

BRIDGE WATCH SUMMARY

Time	Species	# Sightings	# Animals	Location/Comments
1256	T. truncatus	1	1	~150 ft. off starboard bow
1737	" "	1	2	~300 ft. off starboard bow

Observer name GWENDOLYN OBERHOLTZER, REMSA, INC.
Gwendolyn Oberholtzer

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening-Bayou Cadotte DREDGE NAME: Stuyvesant

Date: 25 OCT 04 Load #s: 191 - 200 Areas dredge worked: ASSIGNMENT # 9

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

AIR TEMP: 78-84.9 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface — °C/°F Column (mid-depth) 75 °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)) NA

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

Aft basket becoming clogged with clay, seagrass, and trash debris. Unable to monitor entire basket/contents - therefore, uncertain if protected/endangered species are entrained under debris in most of the loads today.
Moved to new Assignment section (#10) before digging load 198.

Today's species list: Horseshoe crabs
Atlantic stingray
Octopus (unknown species)
Blotched Snake Eel
Atlantic Cutlassfish

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
~1420	T. truncatus	1 / ~8	Following stern of shrimp trawler passing dredge on starboard side.

Observer name GWENDOLYN OVERHOLTZER, REMSA, INC.

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DRED

Date: 26 OCT 04 Load #s: 201 - 208 Areas dredge wor

Beaufort Sea State: 0 1 (2 3) 4 5 6 7 8

AIR TEMP: 77 - 82 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface ___ °C / F Column (mid-depth) 75 '

Condition of deflector: good Condition of scre

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

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

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

Material consists of silt, clay, grass, sand trash (wire, fishing line, clothing, netting, wood)
Basket not clogging up as frequently today.

One of the mates noted a large sea turtle - description sounds like it was floating upstream up and was dead. Located on the W side of the channel a considerable distance from dredging area.

Todays species list: Atlantic Stingray (Dasyatis sabina)
Loggerhead Turtle
Hardhead Catfish (Ariius felis)
Sand dollars
Speckled Worm Eel (Myrophis punctatus)
Calico Crab

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name Gwendolyn Oberholtzer, REMSA, INC.

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 27 OCT 04 Load #s: 209 – 214 Areas dredge worked: Assignment # 12 (Bayou Cootie)

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

AIR TEMP: 78-82.9 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface ___ °C / F Column (mid-depth) 86 °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)) NA

Comments (type of material, biological specimens, unusual circumstances, etc):
Aft pocket still filling up with clay and debris on certain loads. Unable to view entire load contents in these instances, therefore, uncertain if protected / endangered species entrained in pocket in these loads.

Observer (Gwendolyn Oberholtzer) possibly bitten by spider (?) and experiencing pain & pain and swelling @ elbow area. Informed Captain and REMSA office that medical treatment might be necessary if swelling worsens. Captain Allegino has already made arrangements if that becomes necessary.

Today's species list: Shrimp Eel (Ophichthus gomesi) Speckled Worm Eels (Myrophis punctatus)
Hardhead Catfish (Ariopsis felis)
Croaker species

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1348	T. truncatus	1 / 1	Swimming on starboard side of dredge @ of channel

Observer name Gwendolyn Oberholtzer, REMSA, INC.

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bar Channel Deepening DREDGE NAME: Stuyvesant

Date: 28 OCT 04 Load #s: 215 - 219 Areas dredge worked: Assignment #13 kp 855'00" - 915'00" Green + Red Toelines

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

AIR TEMP: 77 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface ___ °C / F Column (mid-depth) 75.5 °C (F) Bottom ___ °C / F

Condition of deflector: Excellent Condition of screening: Excellent

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): Biological Materials: offshore tonguefish (Symphurus civitatus), Atlantic stingray, grass, welk shells, cockle shells, trash

Material: Silt

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1203	T. truncatus	1 / 3	Swimming S. along mid-channel
1207	" "	1 / 6	" " "
1503	" "	1 / ~2-4	Possibly feeding W. of channel

Observer name Gwendolyn Isenholtzer, REMSA, INC.

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 29 OCT 04 Load #s: 220 → 223 Areas dredge worked: Assignments 13 and 14.

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

AIR TEMP: 75-85.2 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface — °C/°F Column (mid-depth) 75.5 °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)) NA

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

The KP coordinates for Assignment #14: 320+00 → 380+00.
Load 222 filled with clay - unable to monitor entire load contents. Therefore, uncertain if protected/endangered species entrained this load.

Today's species list: 1 Tonguefish
1 Hogchoker
1 Offshore tongue fish

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1351	T. truncatus	1 / 1	Breached in dredge wake off port quarter.

Observer name GWENDOLYN OBERHOLTZER, REMSA, INC.

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 30 OCT 04 Load #s: 224-226 Areas dredge worked: Assignment # 14

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

AIR TEMP: 73-83.1 °C (F)
WATER TEMP: Surface ___ °C / F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)) Column (mid-depth) 25.5 °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)) NA

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

Loading changed from Aft to Fwd Basket for repairs on aft. Otherwise dredging operations proceeded normally.

Today's species list: Speckled Worm Eel
Tonguefish
Blue Crab

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observer name GWENDOLYN OBERHOLTZER, REMSA, INC.

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE DISTRICT: Mobile, AL

PROJECT NAME: Mobile Bay Channel Deepening **DREDGE NAME:** Stuyvesant

Dates: 24 OCT 04 - 30 OCT 04 **Load #s:** 180 → 226

Areas dredge worked: Assignments #9, 10, 11, 12, 13, and 14

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

Which species? NA

Comments: Dredging operations proceeded normally throughout this week. Various loads were clogged with clay and debris and monitoring entire contents of basket was not possible. Therefore, there is uncertainty as to protected endangered species being entrained in loads where it was only possible to view top layer of material. Loads 180 → 215 in Bayou Casotte, MS
Loads 216 → 226 in Mobile Bay, AL

26 OCT 04: A large dead loggerhead (possibly) was seen floating a few miles (~2) W of Bayou Casotte Ship Channel.

27 OCT 04: Injury illness report filled out for Observer G. Oberholtzer due to swelling/sore on R elbow. Medical treatment might be necessary - monitoring wound daily.

This week's species list: Whelk species, Croaker species, Atlantic Cutlassfish, Hermit crabs, Blue Crabs, Hardhead Catfish, Tonguefish species, Horseshoe crabs, Atlantic Stingrays, Sand Dollars, Stone Crab, Octopus (unknown species), Speckled Worm Eels, Calico Crab, Blotched Snake Eel, Shrimp Eel

BRIDGE WATCH SUMMARY

	Date/Time	Species	# Sightings	# Animals	Location/Comments
24 OCT 04 →	1256	T. truncatus	1	1	~150 ft. off starboard bow
	1737	" "	1	2	~300 ft. off starboard bow
25 OCT 04 →	1420	" "	1	~8	Following stern of shrimp trawler - starboard side of dredge.
27 OCT 04 →	1348	" "	1	1	Swimming starboard side of dredge - E of channel.
28 OCT 04 →	1203	" "	1	3	Swimming S along mid-channel
	1207	" "	1	6	" " "
	1503	" "	1	2-4	Possibly feeding W of channel
29 OCT 04 →	1351	" "	1	1	Breached in dredge wake off port quarter

Observer name GWENDOLYN OBERHOLTZER, REMSA, INC.

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 31 OCT 04 Load #s: 227 - 229 Areas dredge worked: Assignment #14

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

AIR TEMP: 77 - 80 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface ___ °C/°F Column (mid-depth) 75.5 °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)) NA

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

Changed back to using aft basket for loading on load 228. Last load filled with clay to waist level so unable to be certain protected/endangered species weren't entrained under debris.

Today's species list: 2 Blue Crabs
Speckled Worm Eels
Tonguefish species
Hogchoker
Atlantic Croaker
Snake Eel

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1226	T. truncatus	1 / 4	Swimming N along port quarter of dredge

Observer name GWENDOLYN OBERHOLTZER, REMSA, INC.

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 01 NOV 04 Load #s: 230 - 233 Areas dredge worked: Assignment #14

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

AIR TEMP: _____ °C/F
WATER TEMP: Surface = °C/F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)) Column (mid-depth) 75.5 °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)) NA

Comments (type of material, biological specimens, unusual circumstances, etc): Material dredged: silt and clay

Biological specimens: speckled worm eel, silver perch, spot fin tonguefish, yellow fin menhaden, unknown tonguefish, mantis shrimp

Nonbiological contents: (debris) clay, crab basket, plastic containers, rope, shrimp nets, chain, wood, aluminum

Load time is ≈ 6 hrs turnaround

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name GWENDOLYN OBERHOLTZER, REMSA, INC.

Gwendolyn Oberholtzer

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 02 NOV 04 Load #s: 234-236 Areas dredge worked: Assignment #14

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

AIR TEMP: 75-82.4 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface ___ °C / °F Column (mid-depth) 75.5 °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)) NA

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

Dredging operations exceeded normality throughout day.
Today's species list: Tonguefish spp.
Blue Crabs
Spotted Worm Eels
Atlantic Croaker

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1346	T. truncatus	1 / 2	Swimming just off port bow - heading under ship
1619	" "	1 / 1	Breached 1x 100ft off port quarter

Observer name Gwendolyn Oberholtzer, REMSA, INC

DAILY REPORT

USACE DISTRICT: Mobile AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 03 NOV 04 Load #s: 237 - 240 Areas dredge worked: Assignment #14

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

AIR TEMP: 73-77 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface — °C/°F Column (mid-depth) 25.5 °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): Dredging operations proceeded normally today. Load 238 was full of day or only able to view top layer of material for biological specimens.
Medical treatment is not necessary for previously reported injury. Informed Captain Bellegrino injury/wound had healed.

Today's species list: Blue Crab
Atlantic Croakers
Speckled wormeel
Yellowfin menhaden

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name GWENDOLYN OBERHOLTZER, REMSA, INC.
Gwendolyn Oberholtzer

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 04 NOV 04 Load #s: 241-243 Areas dredge worked: Assignment 14

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

AIR TEMP: 57.5-66 °C (F)
WATER TEMP: Surface ___ °C / F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)) Column (mid-depth) 23-24.8 °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)) NA

Comments (type of material, biological specimens, unusual circumstances, etc):
Material dredged: Mostly silt and clay

Biological Specimens: Blue crabs
Silver perch
Speckled worm eels
Tongue Fish

Debris consisted of: wood, clay, bricks, shrimp nets, plastics, other trash

Weather: Cold front moving in, temp. dropped 20°F over past 2 days

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1636	T. truncatus	1 / 3	Swimming towards starboard bow-off ~20 ft.
1642	" "	1 / 2	Swimming towards port bow-off ~10 ft.

Observer name Gwendolyn Obermoyer, REMSA, INC.

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 05 NOV 04 Load #s: 244-246 Areas dredge worked: Assignment #14

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

AIR TEMP: 53-63.6 °C (F)
WATER TEMP: Surface ___ °C / F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)) Column (mid-depth) 71 °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)) NA

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

Dredging operations proceeded normally today.

Todays species list: Hogchoker
Tonguefish
Gulf Eel
Atlantic Stingray

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1636	T. truncatus	1 / 2	Swimming across bow.

Observer name Gwendolyn Oberholtzer, LENSA, INC.

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

Date: 06NOV2004 Load #s: 247 -> 250 Areas dredge worked: 320 -> 350 Stations

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

AIR TEMP: 56 -> 77 °C/°F
WATER TEMP: Surface N/A °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)) Column (mid-depth) 71 °C/°F Bottom N/A °C/°F

Condition of deflector: GOOD Condition of screening: GOOD

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

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

Comments (type of material, biological specimens, unusual circumstances, etc):
- BASKET FILLING WITH CLAY UNABLE TO SEE ENTIRE CONTENTS
- VERY LOW BY CATCH
- Biological specimens - tongue fish, blue crab

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name ALLISON GRIFFIN

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE DISTRICT: Mobile AL **DREDGE NAME:** STUYVESANT

PROJECT NAME: Mobile Bay Channel Deepening

Dates: 31 Oct 04 - 06 NOV 04 **Load #s:** 227-250

Areas dredge worked: Assignment #14-

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

Which species? ___

Comments: Dredging Operations proceeding normally. Many loads picking up a lot of clay in basket & screen. Unable to see entire contents of screens in various hauls due to excessive clay.
All Hauls 227-250 taking place in assignment 14 of Mobile Bay Channel
06 NOV 04 Allison Griffith came aboard as Observer and relieved Gwendolyn Oberholtzer for Debriefing.

This weeks species list: Blue crab, speckled worm eel, Tonguefish spp., Hogchoker, Atlantic croaker, snake eel, Silver perch, yellow fin menhaden, mantis shrimp, Conger eel, Atlantic stingray,

05 NOV 04 - Eastern Phoebe landed in water and mud in hopper. It was rescued washed rehabilitated and released

BRIDGE WATCH SUMMARY

	Date/Time	Species	# Sightings/# Animals	Location/Comments
31 Oct 04	1226	Tursiops truncatus	1 / 4	Swimming N of land port quarter of dredge
02 NOV 04	1346	"	1 / 2	Swimming off Port bow
	1619	"	1 / 1	Breaching off Port
04 NOV 04	1638	"	1 / 3	Starboard Swimming
	1642	"	1 / 3	Port Swimming
05 NOV 04	1835	"	1 / 2	Swimming across bow
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Observer name Nathaniel Goddard

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 07 NOV 2004 Load #s: 251 → 253 Areas dredge worked: Sections 320 - 350

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

AIR TEMP: 60 - 73 °C/(F)
WATER TEMP: Surface NA °C/F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)) Column (mid-depth) 70 °C/(F) Bottom NA °C/F

Condition of deflector: Good Condition of screening: Good

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

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

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

LOTS OF DEBRIS
VERY LOW BYCATCH

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name ALLISON GRIFFIN

DAILY REPORT

USACE DISTRICT: MOBILE, AL
PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

Date: 08NOV2004 Load #s: 254→257 Areas dredge worked: SECTION 380→440

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

AIR TEMP: 64→74 °C/F
(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface NA °C/F Column (mid-depth) 71 °C/F Bottom NA °C/F

Condition of deflectors: 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):
SILT AND CLAY WITH LOTS OF DEBRIS
VERY LOW BYCATCH

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name ALLISON GRIFFIN

DAILY REPORT

USACE DISTRICT: MOBILE, AL
PROJECT NAME: MOBILE BAY CHANNEL DEEPENING, DREDGE NAME: STUYVESANT

Date: 09 NOV 2004 Load #s: 258 → 260 Areas dredge worked: SECTIONS 380 - 440

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

AIR TEMP: 54-74 °C/(F)
WATER TEMP: Surface LAB °C/(F) Column (mid-depth) NA °C/F Bottom NA °C/F

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

Condition of deflector: GOOD Condition of screening: GOOD

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

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

Comments (type of material, biological specimens, unusual circumstances, etc):
LOTS OF DEBRIS - DEBRIS PILLING UP NEAR DRAGHEADS MAKING IT DIFFICULT TO CHECK DRAGHEADS
- VERY LOW BYCATCH

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name ALLISON GRIFFIN

DAILY REPORT

USACE DISTRICT: MOBILE, AL
PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

Date: 10NOV2004 Load #s: 2101 → 2104 Areas dredge worked: SECTIONS 380 → 440

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

AIR TEMP: 60-67 °C/(F)
WATER TEMP: Surface ___ °C/F Column (mid-depth) 69 °C/(F) Bottom ___ °C/F
(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

Condition of deflector: Good Condition of screening: Good

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

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

Comments (type of material, biological specimens, unusual circumstances, etc):
- VERY LOW BYCATCH
- DUE TO ROUGH CONDITIONS AT DUMP SITE (4-6' SEAS) BASKET BEING CHECKED CLOSER TO DIG SITE (~BUOYS 380-440)

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name Nathaniel Goddard

DAILY REPORT

USACE DISTRICT: Mobile AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 11 Nov 04 Load #s: 265-267 Areas dredge worked: 380-440

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

AIR TEMP: 64-71 °C/(F)
WATER TEMP: Surface _____ °C/F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)) Column (mid-depth) 69 °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): Low numbers of bycatch.

Dredging mostly Silt & Clay

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name Nathaniel Godbold

DAILY REPORT

USACE DISTRICT: Mobile AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 12NOV04 Load #s: 268 Areas dredge worked: 380-440

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

AIR TEMP: 65 °C/F
WATER TEMP: Surface ____ °C/F Column (mid-depth) 69 °C/(F) Bottom ____ °C/F
(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

Condition of deflector: Good Condition of screening: Good

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

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

Comments (type of material, biological specimens, unusual circumstances, etc):
biological specimens: Silver perch, Speckled Wormeel
Material dredged: Mostly silt, some clay
Boat went in and fueled at 1000 today until after midnight

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name Nathaniel Goddard

DAILY REPORT

USACE DISTRICT: Mobile, AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 13 Nov 2004 Load #s: — Areas dredge worked: —

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

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

Condition of deflector: _____ Condition of screening: _____

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

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

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

At dock due to problems w/ Turbo

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name Allison Griffin

DAILY REPORT

USACE DISTRICT: Mobile AL
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 18 Nov 2004 Load #s: ____ Areas dredge worked: ____

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

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

Condition of deflector: ____ Condition of screening: ____

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

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

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

At dock due to problem w/ turbo.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name Allison Griffin

DAILY REPORT

USACE DISTRICT: MOBILE, AL
PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

Date: 15 Nov 2004 Load #s: 269 → 270 Areas dredge worked: Sections 380 → 440

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

AIR TEMP: 64 → 65 °C (F)
WATER TEMP: Surface N/A °C / F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)) Column (mid-depth) 65 °C (F) Bottom N/A °C / F

Condition of deflector: GOOD Condition of screening: GOOD

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

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

Comments (type of material, biological specimens, unusual circumstances, etc):
~1100 AM left dock to resume operation

* MESO crew change NATE GOUDARD REPLACED BY RICHARD

* LOTS OF DEBRIS - WOOD, CRABTRAPS, ETC.

- VERY LITTLE BYCATCH - 2 TONGUE FISH AND 1 VIOLET GOBY

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name Allison Griffin

DAILY REPORT

USACE DISTRICT: MOBILE AL
PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

Date: 16 NOV 2004 Load #s: 271 → 274 Areas dredge worked: SECTIONS 380 → 440

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

AIR TEMP: 58 → 72 °C/(F)
WATER TEMP: Surface ___ °C/F Column (mid-depth) 65 °C/(F) Bottom ___ °C/F

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

Condition of deflector: GOOD Condition of screening: GOOD

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

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

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

- LOTS OF DEBRIS IN LOADS
BYCATCH REMAINS LOW (LIST SEEN BELOW)
- TONGUEFISH, SILVER PERCH, CATFISH (JUVY), SHRIMP EEL, CLEARNOSE SKATE

- MATERIAL DREDGED SILT AND MUD PRIMARILY WITH SOME CLAY

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name: ALLISON GRIFFIN

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE, AL

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING **DREDGE NAME:** STUYVESANT

Date: 17-NOV 2004 **Load #s:** 275 → 277 **Areas dredge worked:** SECTIONS 380→440 & 440→500

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

AIR TEMP: 69→71 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface — °C/°F Column (mid-depth) 65 °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 PRIMARILY MUD AND SILT WITH SOME CLAY AND LOTS OF DEBRIS
- VERY LOW BYCATCH
- WINDS DECREASED DURING THE DAY

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name ALLISON GRIFFIN

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE, AL

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING **DREDGE NAME:** STUYVESANT

Date: 18 NOV 2004 **Load #s:** 278 → 281 **Areas dredge worked:** SECTIONS 440 → 500

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

AIR TEMP: 60-68 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 64-65 °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: CLAY MIXED WITH MUD AND SILT
- VERY LOW BYCATCH: TONGUE FISH, VIOLET GOBIES + BLUE CRABS
- CLAY BUILD UP IN BASKET TO ~4' THROUGOUT COLLECTION BOX MONITERED DUMPING OF CLAY for TURTLE PARTS AND BASKET INSPECTED AGAIN AFTER DUMPING COMPLETE.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name ALLISON GRIFFIN

DAILY REPORT

USACE DISTRICT: MOBILE, AL
PROJECT NAME: MOBILE BAY CHANNEL DEEPENING **DREDGE NAME:** STUYVESANT

Date: 19 NOV 2004 **Load #s:** 282 → 285 **Areas dredge worked:** Sections 440 → 500

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

AIR TEMP: 68-72 °C/(F)
(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface ___ °C/°F Column (mid-depth) 65 °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):
- LOADS PRIMARILY CLAY MIXED WITH MUD + SILT AND DEBRIS
CLAY BUILD UP AFTER LOAD 284 ON 4' BASKET CLEANED AFER DUMPING
- VERY LOW BYCATCH.

* DRAGHEAD SIZE CHANGED ON LOAD DATA SHEETS FROM 15' x 16 TO 10' x 12'
DRAGHEADS REMEASURED.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name ALLISON GRIFFIN

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE AL

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING **DREDGE NAME:** STUYVESANT

Date: 10/20/2004 **Load #s:** 286→288 **Areas dredge worked:** Areas 440→600

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

AIR TEMP: 66-68 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/F Column (mid-depth) 65 °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)) NA

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

- SOME CLAY IN LOADS BUT MAINLY MUD WITH SILT
- VERY LOW BYCATCH

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0800	Dolphin - unidentified	1 / 2-4	Just outside channel @ Buoy 3
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Observer name ALLISON GRIFFIN / RICHARD SHELTON

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USAC: RICT: MOBILE, AL

PROJ: ME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

Dates: 14 NOV 2004 - 20 NOV 2004 Load #s: 269 → 288

Areas worked: 380-440 AND 440-500

Were idents involving endangered or protected species? YES ___ NO X

Which ? N/A

Comm

14 NOV - 15 NOV (~1100h) AT DOCK RESUMED DREDGING AT ~1200 ON 15 NOV.

- MESO CREW CHANGE ON NOV 15.

- VERY LOW BYCATCH IN LOADS.

- BEGAN GETTING CLAY BUILD UP IN BASKET WHEN MOVED TO NEW ASSIGNMENT

BRIDGE WATCH SUMMARY

Date	Species	# Sightings/# Animals	Location/Comments
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Observer name ALLISON GRIFFIN

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE, AL.

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

Date: 21 NOV 2004 Load #s: 289 → 292 Areas dredge worked: 440 → 500

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

AIR TEMP: 70-78 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 65→68 °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: CLAY, MUD AND SILT

- BASKET WAS OPENED AND FLUSHED AFTER LD 291 DUE TO ACCUMULATION OF CLAY IN BASKET.

Main engine went down appx 0330 hrs for 1 hour.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name ALLISON GRIFFIN / Richard Shelton

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE, AL

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

Date: 22 NOV 2004 Load #s: 293 → 295 Areas dredge worked: ~~Mobile~~ 440 → 500

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

AIR TEMP: 69-72 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ~~/~~ °C / F Column (mid-depth) 68 °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 MIXTURE OF CLAY, MUD, SILT AND DEBRIS (WOOD, WIRE ETC.)
- BASKET OPENED AFTER LD# 293 DUE TO CLAY ACCUMULATION.
- LOW BYCATCH: 3 BLUE CRABS; TONGUE FISH AND JUVY. HARDHEAD CATFISH.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name ALLISON GRIFFIN

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE, AL

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

Date: 23NOV2004 Load #s: 296→299 Areas dredge worked: 440→500

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

AIR TEMP: 70-80 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface / °C / F Column (mid-depth) 105 °C (F) Bottom / °C / F

Condition of deflector: GOOD Condition of screening: GOOD→FAIR

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 PRIMARILY CLAY WITH SILT AND SOME MUD.
- LOTS OF DEBRIS
- SECTION OF SCREENING MISSING ON STBD SIDE OF BASKET (~8in x 4') NOTICED AFTER LD# 298. SCREENING WILL BE REPAIRED IN AM.
- LARGE CLAY BUILD UP BOX EMPTIED AFTER LD# 299. [redacted] BOX WILL BE CLEANED OUT AFTER NEXT LOAD

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1030 hrs	Bottlenose Dolphin	1 / 6-8	30°08.74'N 88° 04.15'W

Observer name ALLISON GRIFFIN

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE, AL

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

Date: 11/24/04 Load #s: 300-303 Areas dredge worked: Mobile Bay Channel Buoy's 69-72

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

AIR TEMP: 60-73 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface — °C / F Column (mid-depth) 65 °C (F) Bottom — °C / F

Condition of deflector: good Condition of screening: Repaired

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

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

Comments (type of material, biological specimens, unusual circumstances, etc): Collection box repaired 1300-1500 hrs. between loads 301-302

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name Richard Shelton

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE, AL

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

Date: 25NOV2004 Load #s: 304 → 307 Areas dredge worked: 500 → 560

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

AIR TEMP: 49-55 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface / °C / F Column (mid-depth) 65→66 °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 PRIMARILY CLAY: BASKET FILLING WITH CLAY. OPENED BASKET AFTER LOADS TO DUMP CLAY AND INSPECT SCREENING.
- COLD FRONT MOVED THRU EARLY AM.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
~1400	At. Bottlenosed. T. truncatus	1 / 3	OUTSIDE CHANNEL BUOY 2lo
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Observer name ALLISON GRIFFIN

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE, AL
PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

Date: 26 NOV 2004 Load #s: 308 → 310 Areas dredge worked: 500 → 560

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

AIR TEMP: 49 → 57 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface / °C / F Column (mid-depth) 62 - 64 °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 PRIMARILY CLAY WITH MUD AND MISC. DEBRIS CLAY BUILD UP IN BASKET AFTER LDS 309 AND 310. BASKET OPENED AND CONTENTS EMPTIED. INSPECTED BASKET BEFORE, DURING AND AFTER BASKET OPENED.

- VERY LOW BYCATCH - 1 TONGUE FISH.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
~1520	T. truncatus B. rose 06	1 / 10	~1mi from dumpsite heading toward dredge and traveling past.
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Observer name ALLISON GRIFFIN

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE, AL

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

Date: 27 NOV 2004 Load #s: 311 → 314 Areas dredge worked: 500 → 5100

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

AIR T: 62-70 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C / F Column (mid-depth) 64-66 °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? (complete incident form(s)) N/A

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

LOADS PRIMARILY CLAY AND MUD MIXED WITH MISC. DEBRIS
·BASKET STILL FILLING WITH CLAY. BASKET OPENED AND CONTENTS INSPECTED BEFORE, DURING AND AFTER OPENING. VERY LITTLE CLAY IN BASKET AFTER LD#314-BASKET NOT OPENED.

-VERY LOW BY CATCH: 3 SHRIMP FELL ON CATWALK, 1 BLUE CRAB IN BASKET.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name ALLISON GRIFFIN

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE [illegible] CT: MOBILE, AL

PROJE[illegible] IE: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

Dates: 21 NOV 2004 - 27 NOV 2004 Load #s: 289 → 314

Areas d[illegible] orked: 440 → 500 AND 500 → 560

Were t[illegible] ents involving endangered or protected species? YES ___ NO X

Which [illegible] N/A

Comm[illegible] MATERIAL FOR LOADS MIXTURE OF CLAY, MUD, SILT AND DEBRIS. DURING SOME LOADS CLAY ACCUMULATION IN BASKET WAS SUCH THAT BASKET WAS OPENED AND CLAY DUMPED. MONITERED DUMPING AND INSPECTED BASKET BEFORE AND AFTER DUMPING OCCURED.

21 NOV: MAIN ENGINE DOWN AT ~ 0330 for 1 hour

23 NOV: SMALL SECTION OF SCREENING MISSING (~ 8in x 4') ON STBD SIDE OF BASKET NOTICED AFTER LD# 298.

24 NOV: SCREENING REPAIRED BETWEEN LDS 301 AND 302.

• VERY LOW BY CATCH DURING ALL LOADS SPECIES NOTED: JUVY HARD HEAD CATFISH, TONGUE FISH, BLUE CRABS, AND SHRIMP EELS.

BRIDGE WATCH SUMMARY

Date/	Species	# Sightings/# Animals	Location/Comments
23 NOV: 1030	T. truncatus B. nose dolphin	1 / 6-8	30° 08.74 N 88 04.15' W
25 NOV: ~1400	" "	1 / 3	NEAR BUOY 26 OUTSIDE CHANNEL
26 NOV: ~1520	" "	1 / 6	~1mi from dump site traveling past dredge
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Observer name ALLISON GRIFFIN

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE, AL

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

Date: 28 NOV 2004 Load #s: 315 → 318 Areas dredge worked: 500 → 510

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

AIR TEMP: 53 → 66 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 64 °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 PRIMARILY CLAY WITH MUD AND DEBRIS. BASKET BEING OPENED TO FLUSH CLAY WHEN FULL. MONITOR AND INSPECTING BASKET BEFORE, DURING, AND AFTER DUMPING.

VERY LOW BYCATCH; 3 TONGUE FISH ON CATWALK.

BRIDGE WATCH SUMMARY

Time		Species	# Sightings/# Animals	Location/Comments
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Observer name ALLISON GRIFFIN

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: MOBILE, AL

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

Date: 11/29/04 Load #s: 319-322 Areas dredge worked: buoys 69-70

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

AIR TEMP: 61-69 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface / °C / °F Column (mid-depth) 63 °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): None

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name Richard Shelton

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Mobile, AL

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Date: 11/30/04 Load #s: 323 - 325 Areas dredge worked: buoys 69 - 86

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

AIR TEMP: 59 - 70 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface — °C/°F Column (mid-depth) 63 °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): ___

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name Richard Shelton

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE RICT: Mobile, AL

PROJE ME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Dates: 11/28/04 - 11/30/04 Load #s: 315 - 325

Areas d worked: Seg buoys 69 - 86

Were t dents involving endangered or protected species? YES ___ NO X

Which s ?

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BRIDGE WATCH SUMMARY

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Observer name Richard Shelton