

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Bay

DAILY REPORT

Date: 06 / 23 / 02 Loads: 1

Area(s) Worked STN: 355⁺⁰⁰ - 420⁺⁰⁰

Weather Conditions (incl. sea conditions) M / cloudy, wind 5-10 KTS, sea 1'

Range of Water Temp., Surface 82°F Below Mid-Depth _____

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? Yes No

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

material dredged is silt + mud.

Samples consisted of wood.

no incidents involving endangered or protected species.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
<u>[Signature]</u>	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Observer(s) on Duty: Andrew Jackson + Julie Craig

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Bay

DAILY REPORT

Date: 06 / 24 / 02 Loads: 2-6

Area(s) Worked STN: 355⁺⁰⁰/420⁺⁰⁰ + 930⁺⁰⁰/1000⁺⁰⁰

Weather Conditions (incl. sea conditions) M-P/c cloudy, wind 5-10 kts, sea 1-2'

Range of Water Temp., Surface 82° Below Mid-Depth _____

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? Yes No

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

material dredged is silt + mud.

Samples included: wood, oyster shell, 1 sea robin, + human generated debris.

There were no incidents involving endangered or protected species.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
<u>T. t.</u>	<u>7-10</u>	<u>1307 / @ dig site</u>
<u>J. t.</u>	<u>1</u>	<u>1657 / @ dig site</u>

Observer(s) on Duty: A. Jackson / J. Craig

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Bay

DAILY REPORT

Date: 06 / 25 / 02 Loads: 7-12

Area(s) Worked STN: 930⁺ / 1000⁺

Weather Conditions (incl. sea conditions) Pl cloudy-cloudy, wind 5-15 KTS, sea 1-3'

Range of Water Temp., Surface 82 Below Mid-Depth _____

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? Yes No

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

Material dredged is silt + mud.

Samples included: wood, unid. crustacean fragments, bivalve shells + human generated debris.

There were no incidents involving endangered or protected species.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
<u>T.t.</u>	<u>4</u>	<u>0542/near channel to dump / Feeding behind trawler</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Observer(s) on Duty: A. Jackson / J. Craig

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Bay

DAILY REPORT

Date: 6 / 26 / 02 Loads: 13-18

Area(s) Worked 930⁰⁰ to 1000⁰⁰

Weather Conditions (incl. sea conditions) cloudy, wind to ~15 kt; squalls + wind 20+ kt in afternoon

Range of Water Temp., Surface 82°F Below Mid-Depth _____

Condition and Effectiveness of Screening Screening effective + in good condition

Are there incidents involving endangered or protected species? Yes No

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

No incidents involving endangered or protected species

Silt + mud dredged; other catch includes: (1) catfish, trash, wood, oyster shells, net

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
<u>T.T.</u>	<u>6-10</u>	<u>1017 @ dig site</u>
<u>T.T.</u>	<u>~5</u>	<u>~1700 jumping clear of water @ dump site</u>
_____	_____	_____
_____	_____	_____

Observer(s) on Duty: J. Craig / A. Jackson

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Bay

DAILY REPORT

Date: 6 / 27 / 02 Loads: 18-21

Area(s) Worked 930⁰⁰ - 1000⁰⁰

Weather Conditions (incl. sea conditions) cloudy, wind 5-15 kt, seas 0-3'

Range of Water Temp., Surface 82°F Below Mid-Depth _____

Condition and Effectiveness of Screening Screening effective + in good conditions

Are there incidents involving endangered or protected species? Yes No

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

No incidents involving endangered or protected species

Dredged material continues to be silt/mud, w/ wood, trash, + rock also

Dredge was at dock from ~0800 to ~1500 for refueling

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
<u>T.t.</u>	<u>1</u>	<u>1901 near dump site, jumping clear out of water</u>
_____	_____	_____
_____	_____	_____

Observer(s) on Duty: J. Craig / A. Jackson

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Bay

DAILY REPORT

Date: 06 128 102 Loads: 22-27

Area(s) Worked STN: 930⁺⁰⁰ - 1000⁺⁰⁰

Weather Conditions (incl. sea conditions) Pl. cloudy - cloudy w/ rain, wind 10-20 kts, sea 1-3'

Range of Water Temp., Surface 84° Below Mid-Depth 82°

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? Yes No

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

Samples included: wood, rock, crab, flat fish, gastropod, sargassum, + human generated debris.

There were no incidents involving endangered or protected species.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
<u>T.C.</u>	<u>6-10</u>	<u>1230/ nr channel leaving dump site</u>
<u>T.C.</u>	<u>2</u>	<u>1330/ swimming next to boat @ dig site</u>

Observer(s) on Duty: A. Jackson / J. Craig

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Bay

DAILY REPORT

Date: 06 129 102 Loads: 28-33

Area(s) Worked STN: 930⁰⁰/1000⁰⁰

Weather Conditions (incl. sea conditions) P/cloudy-cloudy, wind 5-15 kts, sea 1-3'

Range of Water Temp., Surface 84° Below Mid-Depth _____

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? Yes No

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

Material dredged is silt & mud.

Samples included: wood, 1 fish (sp), & human generated debris.

No incidents involving endangered or protected species.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
<u></u>	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Observer(s) on Duty: A. Jackson / J. Craig

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Bay

WEEKLY SUMMARY

Date: 06 123 102 - 06 129 102 Load Numbers 1-33

Range of Water Temp., Surface 82-84° Below Mid-Depth _____

Areas Worked (lat/longs stations) 355°00/420°00 + 930°00/1020°00

Are there incidents involving endangered or protected species? Yes No

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

Material dredged is silt & mud.

Samples included: wood, shell, 1 sea robin, unid. crustacean fragments, catfish, rock, spider crab, sargassum, flat fish(sp) & human generated debris.

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
<u>06/24</u>	<u>T.t. ≈ 11</u>	<u>near dig</u>
<u>06/25</u>	<u>T.t. 4</u>	<u>near dump / Feeding behind trawler</u>
<u>06/26</u>	<u>T.t. ≈ 15</u>	<u>@ dig & dump, spv hopping</u>
<u>06/27</u>	<u>T.t. 1</u>	<u>@ dump, spv hopping</u>
<u>06/28</u>	<u>T.t. ≈ 12</u>	<u>@ dump & dig</u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

Observer(s) on Duty: A. Jackson / J. Craig

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Bay

DAILY REPORT

Date: 06 / 30 / 02 Loads: 34 - 39

Area(s) Worked STN: 930⁺00 - 1000⁺00

Weather Conditions (incl. sea conditions) cloudy-clear, wind 5-10 KTS, sea 1-2'

Range of Water Temp., Surface 84-86° Below Mid-Depth _____

Condition and Effectiveness of Screening wood

Are there incidents involving endangered or protected species? Yes No

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

material dredged is silt + mud.

Samples included: wood + trash.

No incidents involving endangered or protected species.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
<u>[Signature]</u>	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Observer(s) on Duty: A. Jackson / J. Craig

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Bay

DAILY REPORT

Date: 07 / 01 / 02 Loads: 40-45

Area(s) Worked STN: 930⁰⁰ / 1000⁰⁰

Weather Conditions (incl. sea conditions) Clear - cloudy w/rain, wind calm - 15 kts, sea calm

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

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? Yes No

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

Material dredged is silt & mud.

Samples included: wood, shell, & human generated debris

No incidents involving endangered or protected species.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
<u>T. t.</u>	<u>4-6</u>	<u>0930 / nr dig / Feeding behind trawler</u>
<u>T. t.</u>	<u>~ 10</u>	<u>1330 / @ dig / Feeding</u>

Observer(s) on Duty: A. Jackson / J. Craig

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Bay

DAILY REPORT

Date: 07 / 02 / 02 Loads: 46-51

Area(s) Worked STN: 930+00 - 1000+00

Weather Conditions (incl. sea conditions) P/Cloudy, wind 5-10kts, sea calm - 2'

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

Condition and Effectiveness of Screening wood

Are there incidents involving endangered or protected species? Yes No

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

Material dredged is silt + mud.

Samples include: wood, flat fish, sea grass, sargassum, + human generated debris.

No incidents involving endangered or protected species.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
<u>T. t.</u>	<u>10+</u>	<u>1237 / between dump + dig</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Observer(s) on Duty: A. Jackson / J. Craig

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Bay

DAILY REPORT

Date: 07/03/02 Loads: 52-57

Area(s) Worked STN: 935⁰⁰ 1000⁰⁰

Weather Conditions (incl. sea conditions) P/Cloudy - Clear, wind calm → 20KTS, sea calm - 2'

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

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? Yes No

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

Material dredged is silt & mud.

Samples, included: wood, shell, & human generated debris.

No incidents involving endangered or protected species.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
<u>T.t.</u>	<u>10-15</u>	<u>1147 / @damp / Feeding behind Trawler</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Observer(s) on Duty: A. Jackson / J. Craig

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Bay

DAILY REPORT

Date: 07 / 04 / 02 Loads: 58-62

Area(s) Worked STN: 930⁰⁰ - 1000⁰⁰

Weather Conditions (incl. sea conditions) Clear - Pt cloudy, wind 5-10 KTS, sea 1-2'

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

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? Yes No

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

Material dredged is silt + mud.

Samples included: wood, spider crab, sargassum + human generated debris.

No incidents involving endangered or protected species.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
<u>[Signature]</u>	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Observer(s) on Duty: A. Jackson / J. Craig

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Bay

DAILY REPORT

Date: 07 / 05 / 02 Loads: 63 - 69

Area(s) Worked STN: 1025⁺ - 1070⁺

Weather Conditions (incl. sea conditions) Clear - P/Cloudy, wind → 10 kts, sea 1-2'

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

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? Yes No

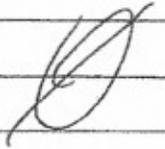
Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Material dredged is silt & mud.

Samples included: wood, shells, whale egg case, & human generated debris.

No incidents involving endangered or protected species.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
		

Observer(s) on Duty: A. Jackson / J. Craig

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Bay

DAILY REPORT

Date: 07 / 06 / 02 Loads: 70 - 75

Area(s) Worked STN: 1000⁺ - 1020⁺

Weather Conditions (incl. sea conditions) P/c - clear, wind calm - 10kts, sea > 1'

Range of Water Temp., Surface 82° Below Mid-Depth _____

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? Yes No

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

Material dredged is silt + mud.

Samples included: wood, oyster shell, & human generated debris.

No incidents involving endangered or protected species.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
<u>[Signature]</u>	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Observer(s) on Duty: A. Jackson / J. Craig

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Bay

WEEKLY SUMMARY

Date: 6 / 30 / 02 - 7 / 06 / 02 Load Numbers 34-75

Range of Water Temp., Surface 84-87°F Below Mid-Depth _____

Areas Worked (lat/longs, stations) 930⁰⁰ - 1000⁰⁰; 1000⁰⁰ - 1070⁰⁰

Are there incidents involving endangered or protected species? Yes No

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

- *No incidents involving endangered/protected species*
- *Dredged material consists of silt + mud*
- *samples included: wood, trash, shell, flat fish, sea grass, sargassum, spider crab, whelk egg cases, oyster shell*

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
<u>7 / 1</u>	<u>T.t. (4-6)</u>	<u>0930 nr dig, feeding behind trawler</u>
<u>7 / 1</u>	<u>T.t. (~10)</u>	<u>1338 @ dig site feeding</u>
<u>7 / 2</u>	<u>T.t. (10+)</u>	<u>1237 between dig + dump</u>
<u>7 / 3</u>	<u>T.t. (10-15)</u>	<u>1147 @ dump, feeding behind trawler</u>
<u>/</u>	<u>/</u>	<u>/</u>
<u>/</u>	<u>/</u>	<u>/</u>
<u>/</u>	<u>/</u>	<u>/</u>

Observer(s) on Duty: J. Craig / A. Jackson

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Bay

DAILY REPORT

Date: 07 / 07 / 02 Loads: 76 - 82

Area(s) Worked STN: 1000⁺ - 1070⁺

Weather Conditions (incl. sea conditions) P/c - clear + calm

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

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? Yes No

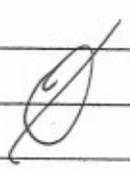
Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Material dredged is silt + mud.

Samples included: wood, shell, spider crab, + human generated debris.

No incidents involving endangered or protected species.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Observer(s) on Duty: A. Jackson / J. Craig

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Bay

DAILY REPORT

Date: 07 1 08 102 Loads: 83-86

Area(s) Worked STN: 1000+00 / 1070+00

Weather Conditions (incl. sea conditions) Cloudy w/ rain, wind 10-25 kts, sea 1-2'

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

Condition and Effectiveness of Screening wood

Are there incidents involving endangered or protected species? Yes No

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

Material is silt + mud.

Samples: wood, shell, & human generated debris.

No incidents involving endangered or protected species.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
<u>T-t.</u>	<u>10-15</u>	<u>1925 @ dig site</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Observer(s) on Duty: A. Jackson / J. Craig

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Bay

DAILY REPORT

Date: 07 1 09 1 02 Loads: 87 - 92

Area(s) Worked STN: 1000⁺⁰⁰ / 1070⁺⁰⁰

Weather Conditions (incl. sea conditions) Cloudy - P/C, wind S = 20kts, sea 1-3'

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

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? Yes No

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

Material dredged is silt & mud.

Samples: wood, shell, & human generated debris

No incidents involving endangered or protected species.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
<u>[Signature]</u>	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Observer(s) on Duty: A. Jackson / J. Craig

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Bay

DAILY REPORT

Date: 07 1 10 1 02 Loads: 93-98

Area(s) Worked STN: 1000+00 / 1020+00

Weather Conditions (incl. sea conditions) P/C - M/C, wind 5-20 kts, sea 1-4'

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

Condition and Effectiveness of Screening 8 wood

Are there incidents involving endangered or protected species? Yes No

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

Material is silt + mud.

Samples: wood, shell, spider crab, trash.

No incidents involving endangered or protected species.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
<u>T.t.</u>	<u>2+</u>	<u>1835 / Feeding @ dig Pt. Trawler</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Observer(s) on Duty: A. Jackson, J. Craig

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Bay

DAILY REPORT

Date: 07/11/02 Loads: 99-103

Area(s) Worked STN: 1000⁺ - 1070⁺

Weather Conditions (incl. sea conditions) PLC, wind 10-20 KTS, sea 2-4'

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

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? Yes No

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

Material is silt & mud.

Samples: wood, shell & trash

NO incidents involving endangered or protected species.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Observer(s) on Duty: A. Jackson

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Bay

DAILY REPORT

Date: 07 112 102 Loads: 105-110

Area(s) Worked STN: 1000⁺ / 1070⁺

Weather Conditions (incl. sea conditions) P/C, wind 5-10KTS, sea → 1'

Range of Water Temp., Surface 89° Below Mid-Depth _____

Condition and Effectiveness of Screening wood

Are there incidents involving endangered or protected species? Yes No

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

Material is silt & mud.

Samples: wood, shell, fish (sp), spider crab, & trash

no incidents involving endangered or protected species.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
<u>[Signature]</u>	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Observer(s) on Duty: A. Jackson, J. Craig

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Bay

DAILY REPORT

Date: 07 / 13 / 02 Loads: 111-117

Area(s) Worked STN: 1000⁺⁰⁰ - 1150⁺⁰⁰

Weather Conditions (incl. sea conditions) Plc - cloudy, Rain, wind 5-20kts, sea 1-3'

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

Condition and Effectiveness of Screening wood

Are there incidents involving endangered or protected species? Yes No

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

Material is silt & mud.

Samples: wood, shells, trash

No incidents involving endangered or protected species.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
<u>[Signature]</u>	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Observer(s) on Duty: A. Jackson / J. Craig

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Bay

WEEKLY SUMMARY

Date: 7 / 07 / 02 - 7 / 13 / 02

Load Numbers 76-117

Range of Water Temp., Surface 87-89°F

Below Mid-Depth _____

Areas Worked (lat/longs, stations) 1000⁺⁰⁰ - 1070⁺⁰⁰; 1070⁺⁰⁰ - 1150⁺⁰⁰

Are there incidents involving endangered or protected species? Yes No

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

- No incidents involving endangered/protected species

- Dredged material consists of silt + mud

- Samples included: trash, wood, shell, spider crabs, fish

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
<u>7 / 8</u>	<u>T.t. (10-15)</u>	<u>1925 @ dig site</u>
<u>7 / 10</u>	<u>T.t. (2⁺)</u>	<u>1835 feeding @ dig site nr. trawler</u>
<u>/</u>	<u>/</u>	<u>/</u>

Observer(s) on Duty: J. Craig / A. Jackson

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Bay

DAILY REPORT

Date: 07114 102 Loads: 118 - 123

Area(s) Worked STN: 1070⁺⁰⁰ / 1150⁺⁰⁰

Weather Conditions (incl. sea conditions) clear - cloudy w/ Rain, wind 5-20 KTS, sea calm - 4'

Range of Water Temp., Surface 88^o Below Mid-Depth _____

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? Yes No

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

Material is silt & mud.

Samples: wood, shell, rock, & Trash.

No incidents ~~is~~ involving endangered or protected species.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
<u>Ø</u>	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Observer(s) on Duty: A. Jackson / J. Craig

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Bay

DAILY REPORT

Date: 07 / 15 / 02 Loads: 124 - 130

Area(s) Worked STN: 1070⁺⁰⁰ / 1150⁺⁰⁰

Weather Conditions (incl. sea conditions) P/C, wind 5-20kts, sea 2-4'

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

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? Yes No

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

Material: Silt & mud.

Samples: wood, shell, rock, trash

No incidents involving endangered or protected species.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
<u>[Signature]</u>	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Observer(s) on Duty: A. Jackson / S. Craig

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Bay

DAILY REPORT

Date: 07 / 16 / 02 Loads: 131-135

Area(s) Worked 1070⁰⁰ / 1150⁰⁰

Weather Conditions (incl. sea conditions) skies clear, wind 5-10 kt, seas 1'

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

Condition and Effectiveness of Screening good condition

Are there incidents involving endangered or protected species? Yes No

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

- material: silt + mud

- samples: wood, shell, rocks, trash, (1) worm

- no incidents involving endangered or protected species

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
<u>T.t.</u>	<u>2</u>	<u>1105 @ dump site</u>

Observer(s) on Duty: J. Craig / A. Jackson

ENDANGERED SPECIES OBSERVER PROGRAM

Edge: Columbia

Project: Mobile Bay

DAILY REPORT

Date: 7 / 17 / 02 Loads: 136-141

Area(s) Worked 1070⁰⁰ - 1115⁰⁰

Weather Conditions (incl. sea conditions) clear & calm

Range of Water Temp., Surface _____ Below Mid-Depth _____

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? Yes No

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

material: silt + mud

samples: wood, rock, trash shell

no incidents involving endangered or protected species

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
<u>T.L.</u>	<u>~ 10</u>	<u>1030 @ dig site</u>

Observer(s) on Duty: J. Craig

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Bay

DAILY REPORT

Date: 7 / 18 / 2002 Loads: 142-146

Area(s) Worked 1070⁰⁰ - 1115⁰⁰

Weather Conditions (incl. sea conditions) clear & calm

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

Condition and Effectiveness of Screening screening effective & in good condition

Are there incidents involving endangered or protected species? Yes No

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

- dredged material consists of silt + mud
- other materials include trash + bivalves
- no incidents w/ endangered or protected species

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
<u>T.t.</u>	<u>~10</u>	<u>1505 in channel @ dig site</u>

Observer(s) on Duty: J. Craig

Endangered Species Observation Program

DAILY REPORT

Dredge Columbia

Project: Mobile Bay

Date: 7/19/02 Load Numbers 147-

Location (Lat-Long/Stations/Area) 1070⁰⁰ - 1115⁰⁰

Weather clear + calm

Range of Water Temperature: Surface 87°F Below Mid Depth _____

Condition and Effectiveness of Screening: Screening effective + in good condition

Are there incidents involving endangered or protected species? Yes No

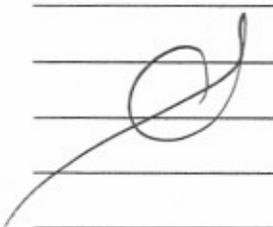
Comments (details of turtle takes or whale sightings, dredged material, biological observations, etc.)

- No incidents involving endangered/protected species

- Dredged material consists of silt + mud

- samples included: trash, rope, spider crabs, scrap metal, rock, sargassum

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
		

Observers on duty J. Craig

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Bay

WEEKLY SUMMARY

Date: 7 / 14 / 02 - 7 / 20 / 02 Load Numbers 118-

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

Areas Worked (lat/longs, stations) 1070⁺⁰⁰ - 1115⁺⁰⁰

Are there incidents involving endangered or protected species? Yes No

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

- No incidents involving endangered or protected species

- Dredged material consists of silt + mud

- Samples included: trash, wood, rock, shell, ("worms"), scrap metal, sargassum, spider crabs

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
<u>7 / 16</u>	<u>T.t. (2)</u>	<u>1105 @ dump site</u>
<u>7 / 17</u>	<u>T.t. (~10)</u>	<u>1030 @ dig site</u>
<u>7 / 18</u>	<u>T.t. (~10)</u>	<u>1505 in channel @ dig site</u>
<u>7 / 18</u>	<u>T.t. (2)</u>	
<u> / </u>	<u> </u>	
<u> / </u>	<u> </u>	
<u> / </u>	<u> </u>	

Observer(s) on Duty: J. Craig / A. Jackson