

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: PENSACOLA HARBOR, FL

Date: 08 / 03 / 04

Load # 810 Start 1420 End 1502 Dump 1655

Location (lat/long, stations) ~~START~~ 50° 23.90 N 87° 12.77 W Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) LIGHT VARIABLE WINDS, 1-2' SEAS,

P. CLOUDY. Water Temp., Surface 85° F Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead WOOD Deflector OK

Port Inflow, Fore WOOD, CLOTHING, TRASH Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore FISH Mid _____

Stbd Inflow, Aft 30° 23.37

Port Overflow, Primary 87° 12.47 Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

* STATION 184⁺⁰⁰ TO 216⁺⁰⁰

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.

- THE SUBSTRATE BEING DREDGED IS MUD.

Bridge Watch Summary

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

Observer(s) on duty Luis Fajal

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: PENSACOLA HARBOR, FL

Date: 08 / 03 / 04

Load # 811 Start 1854 End 1950 Dump 2116

Location (lat/long, stations) 184⁺⁰⁰ to 216⁺⁰⁰ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) <1' SEAS, LT. VARIABLE WINDS, PT. CLOUDY

Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore NET Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.

- SUBSTRATE IS MUD.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>T. TRUNCATUS</u>	<u>3</u>	<u>1900 IN CHANNEL</u>

Observer(s) on duty LIS FAJE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: PENSACOLA HARBOR, FL

Date: 08 / 04 / 04

Load # 812 Start 2307 End 2348 Dump 0159

Location (lat/long, stations) 184⁰⁰ TO 216⁰⁰ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) 1' SEAS, LT. VARIABLE, PT. CLOUDY

Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead ROPE & CLOTHING Deflector OK

Port Inflow, Fore WOOD Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.

- THE SUBSTRATE IS MUD.

Bridge Watch Summary

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

Observer(s) on duty CWS [Signature]

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: PENSACOLA HARBOR, FL

Date: 08 / 04 / 03

Load # 813 Start 0331 End 0414 Dump 0610

Location (lat/long, stations) 184⁰⁰ TO 216⁰⁰ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) 41' SEAS, CALM WIND, PT. CLOUDY

Water Temp., Surface _____ Below Mid-Depth _____

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

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead WIRE Deflector OK

Port Inflow, Fore TRASH & RIVALVE SHELLS Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.

- SUBSTRATE IS MUD.

Bridge Watch Summary

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

Observer(s) on duty _____

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: PENSACOLA MARINA, FL

Date: 08 / 04 / 05

Load # 814 Start 0800 End 0837 Dump 1037

Location (lat/long, stations) SE 184⁺⁰⁰ TO 216⁺⁰⁰ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) SE 05-10 KTS, 1' SEAS, PT. CLOUDY

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

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

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead CENTRAL Deflector OK

Port Inflow, Fore ROCK & TRASH Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.

- SUBSTRATE IS MUD.

Bridge Watch Summary

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

Observer(s) on duty GUS FRIE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: PENSACOLA HARBOR, FL

Date: 08 / 04 / 04

Load # 815 Start 1224 End 1305 Dump 1500

Location (lat/long, stations) 184⁰⁰ TO 216⁰⁰ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) SE 2-5 KNOTS, 1' SEAS, Pt. CLOUDY

Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore ROPE & TRASH Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED

- SUBSTRATE IS MUD.

Bridge Watch Summary

Species # of Animals Time / Location / Comments

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

Observer(s) on duty CHRIS FAY/S

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: PENSACOLA MARINER, FL

Date: 08/04/04

Load # 816 Start 1653 End 1737 Dump 1926

Location (lat/long, stations) 184⁺⁰⁰ TO 216⁺⁰⁰ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) LIGHT VARIABLE WINDS, <1' SEAS

CLEAR Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore NET 1/2 TRASH Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.

- SUBSTRATE IS MUD.

Bridge Watch Summary

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

Observer(s) on duty AMS F/S

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: PENSACOLA HARBOR, FL

Date: 08/09/04

Load # 817 Start 215 End 2155 Dump 2346

Location (lat/long, stations) 1841⁺⁰⁰ to 216⁺⁰⁰ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) LIGHT VARIABLE WINDS, 21' SEAS,

CLEAR Water Temp., Surface 87°F Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore ROCK Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

- NO INCIDENTS INVOLVING (PROTECTED) SPECIES OCCURRED.

- SUBSTRATE IS MUD.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty ALIS TR/E

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: PENSACOLA HARBOR, FL

Date: 08 / 05 / 04

Load # 818 Start 0131 End 0206 Dump 0356

Location (lat/long, stations) 184⁺⁰⁰ TO 216⁺⁰⁰ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) LIGHT VARIABLE WINDS, 4' SEAS,

CLEAR Water Temp., Surface _____ Below Mid-Depth _____

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

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead CLAY Deflector OK

Port Inflow, Fore TRASH Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.

- SUBSTRATE IS MUD & CLAY.

Bridge Watch Summary

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

Observer(s) on duty ANS FAYE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: PENSACOLA HARBOR, FL

Date: 08 / 05 / 04

Load # 819 Start 0553 End 0624 Dump 0814

Location (lat/long, stations) 184⁺⁰⁰ to 216⁺⁰⁰ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) LIGHT VARIABLE WINDS, < 1' SEAS, HAZY

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

Are there incidents involving endangered or protected species? YES

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead CLAY Deflector OK

Port Inflow, Fore PVC, WOOD & WHELK SHELLS Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.

- THE SUBSTRATE IS MUD & CLAY.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty VHS / JFE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: FLORISSIA

Project: TENSACOLA MARSH, FL

Date: 08/05/04

Load # 820 Start 1006 End 1043 Dump 1231

Location (lat/long, stations) 184¹⁰⁰ TO 216¹⁰⁰ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) LIGHT VARIABLE WINDS, 1-2'S=AS,
OVERCAST Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES

NO

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead WIFE Deflector OK

Port Inflow, Fore METAL, WOOD, ROPE, Mid _____

Port Inflow, Aft GASTRO & BIVALVE SHELLS

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.

- SUBSTRATE IS MUD, CLAY & SAND.

Bridge Watch Summary

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

Observer(s) on duty LUIS FRAJE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: PENSACOLA HARBOR, FL

Date: 08 / 05 / 04

Load # 821 Start 1418 End 1455 Dump 1647

Location (lat/long, stations) 184⁺ to 216⁺ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) WNW ~15-20 kts, 2-3' seas, overcast

Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead CLAY & CLOTHING Deflector OK

Port Inflow, Fore FISHING LINE, WOOD & TRASH Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.

- SUBSTRATE IS MUD, SAND & CLAY.

Bridge Watch Summary

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

Observer(s) on duty EMS Freije

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: PENSACOLA HARBOR, FL

Date: 08 / 05 / 04

Load # 822 Start 1831 End 1915 Dump 2104

Location (lat/long, stations) 184⁺⁰⁰ TO 216⁺⁰⁰ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) WN 15-20KTS, 2-3' SEAS

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

Are there incidents involving endangered or protected species? YES (circled)

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead CLAY Deflector OK

Port Inflow, Fore TRASH & WOOD Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.

- SUBSTRATE IS MUD, SAND & CLAY

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>(circled)</u>		

Observer(s) on duty CHRIS FRYE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: DENSACOLA HARRIS, FL

Date: 08/06/04

Load # 823 Start 0348 End 0422 Dump 0609

Location (lat/long, stations) 184⁰⁰ to 216⁰⁰ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) NW ~ 5-10 KTS, 1' SEAS, P. CLOUDY

Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead CLAY Deflector OK

Port Inflow, Fore WOOD & TRASH Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.

- SUBSTRATE IS MUD, SAND & CLAY

* DELAY IN DREDGING DUE TO ELECTRICAL PROBLEMS W/ DREDGE.

Bridge Watch Summary

Species # of Animals Time / Location / Comments

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty LUIS FAYE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: PENSACOLA MARSHES, FL

Date: 08/06/04

Load # 824 Start 0803 End 0839 Dump 1624

Location (lat/long, stations) 104⁰⁰ 40 216⁰⁰ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) NWN 5-10 KTS, 1 SEAS, PT. CLOUDY

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

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

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore FISHING LINE, ROCK & WOOD Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

- NO INCIDENTS INVOLVING (PROTECTED) SPECIES OCCURRED.

SUBSTRATE IS MUD, SAND & CLAY.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
<u>0</u>		

Observer(s) on duty LIS TJE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: PENSACOLA HARBOR, FL

Date: 08 / 06 / 04

Load # 825 Start 1213 End 1249 Dump 1245

Location (lat/long, stations) 184⁰⁰ TO 216⁰⁰ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) NW ~ 5-10 KTS, 1-2' SEAS, OVERCAST

Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore WOOD, GASTROPODS Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.

- SUSSTRETT'S IS MUI.

Bridge Watch Summary

Species # of Animals Time / Location / Comments

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty EVIS FRIE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: PENSACOLA HARBOUR, FL

Date: 08/06/04

Load # 826 Start 1633 End 1710 Dump 1900

Location (lat/long, stations) 181^{tee} to 216^{tee} Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) NWN 5-10 KTS, 1-2' SEAS, Pt. CLOUDY

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

Are there incidents involving endangered or protected species? YES

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead CLAY Deflector OK

Port Inflow, Fore WOOD, TRASH, MOUSE Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.

- SUBSTRATE IS MUD, SAND & CLAY.

Bridge Watch Summary

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

Observer(s) on duty TITS 9/15/04

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: CELVIN 3.1A

Project: PENSACOLA MARSH, FL

Date: 08/06/04

Load # 827 Start 2050 End 2130 Dump 2320

Location (lat/long, stations) 184⁰⁰ TO 216⁰⁰ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) NNE 10-15 KTS, 1-2' SEAS, Pt. CLOUDY

Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead CLAY Deflector OK

Port Inflow, Fore WOOD, TRASH & Mid _____

Port Inflow, Aft GASTROPODS & BIVALVES

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.

- SUBSTRATE IS MUD, SAND & CLAY.

Bridge Watch Summary

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

Observer(s) on duty ETTS FEJE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA
Project: PENSACOLA HARBOR, FL
Date: 08/07/04

Load # 028 Start 0110 End 0148 Dump 0338
Location (lat/long, stations) 184⁺⁰⁰ to 216⁺⁰⁰ Tide Stage _____
Weather (wind dir, beaufort, sea state, temp, etc.) NE ~ 10-15 KTS, 1-2' SEAS
Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES

Note biological samples:

Port Draghead _____ Deflector _____
Stbd Draghead WIRE & CLAY Deflector OK
Port Inflow, Fore WOOD & TRASH Mid _____
Port Inflow, Aft _____
Stbd Inflow, Fore _____ Mid _____
Stbd Inflow, Aft _____
Port Overflow, Primary _____ Secondary _____
Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.

- SUBSTRATE IS MUD, SAND & CLAY.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty TJB KRP

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: PENSACOLA HARBOR, FL

Date: 08 / 07 / 04

Load # 829 Start 0527 End 0604 Dump 0758

Location (lat/long, stations) 184⁺⁰² to 216⁺⁰² Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) 15-20 KTS, 2-3 SEAS, CLOUDY

Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead Clay Deflector OK

Port Inflow, Fore CLOTHING & FISHING LINE Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.

- SUBSTRATE IS MUD, SAND & CLAY

Bridge Watch Summary

Species # of Animals Time / Location / Comments

Species	# of Animals	Time / Location / Comments
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Observer(s) on duty AIS TR/E