ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: JACKSONVILLE

PROJECT NAME: PALM BEACH HARBOR DREDGE NAME: ATCHAFALAYA

Date: 29 NOV 05 Load #s: 2-14 Areas dredge worked: SECTION 1

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

AIR TEMP: 73.1-79.9 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

Condition of deflector: GOOD Condition of screening: GOOD

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

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

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

DREDGED MATERIAL CONSISTED OF DEBRIS, SAND, VEGETATION (ESP. SEAGRASSES, ROOTS / RHIZOMES), SILT, SHELLS/SHELL FRAGMENTS

BIOLOGICAL SPECIMENS CONSISTED OF: 1 STARGAZER (SAND STARGAZER FAMILY?); 1 CUSHION STAR; 1 JUVENILE RAY (ATLANTIC TORPEDO?); 4 UNIDENTIFIED SPONGES; 5 HORSESHOE CRAB (LIMULUS POLYPHEMUS) (1 LIVE, 4 DEAD); 2 PILLOW SPONGES; 1 TUBE SPONGE; 1 BARREL SPONGE; 3 BLUE CRABS (CALLINECTES SAPIDUS) (1 [illegible]); 1 SOUTHERN FLOUNDER; 2 UNIDENTIFIED CRABS; 2 CALICO CRABS; READ SEA WALLS

NO UNUSUAL CIRCUMSTANCES, DREDGING CONTINUED ROUTINELY

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
NO SIGHTINGS	—	/	
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Observer name GWENDOLYN OBERHOLTZER / JAMES BUTERLLE

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Jacksonville, FL
PROJECT NAME: Palm Beach Harbor, FL DREDGE NAME: Atchafalaya

Date: 30 Nov 05 Load #s: 15-27 (partial) Areas dredge worked: Section 1

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

AIR TEMP: 69-79.7 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface — °C / °F Column (mid-depth) — °C / °F Bottom — °C / °F

Condition of deflector: good Condition of screening: good

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

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

Comments (type of material, biological specimens, unusual circumstances, etc): Dredged material, consisted of: trash, wood debris, rocks, shells and shell rubble, skeletal coral.

Biological specimens included:
4 Calico crabs (1 live)
3 Unidentified crab (2 live)
1 Unidentified ray
1 Hermit crab
2 Barrel sponge
3 Horseshoe crabs
4 UNIDENTIFIED SPONGES
1 CUSHION STAR

Old skeletal bone that appeared to be the femoral bone of (unknown) sea turtle species.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1634	T. truncatus	1 / 3	traveling N→S across channel

Observer name GWENDOLYN OBERHOLTZER / JAMES BUEHLER

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Jacksonville, FL

PROJECT NAME: Palm Beach Harbor, FL - Lake Worth Inlet DREDGE NAME: Atchafalaya

Date: 02 DEC 05 Load #s: 38 – Areas dredge worked: Section 1

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

AIR TEMP: 58.9-71.5 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 76 °C (°F) Column (mid-depth) — °C/°F Bottom — °C/°F

Condition of deflector: good Condition of screening: good

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

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

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

Dredged material consisted of: wood debris, trash, rocks and shell rubble

Biological specimens consisted of: 1 PILLOW SPONGE
1 SOUTHERN FLOUNDER
DEAD SEA WHIPS
2 HERMIT CRABS
UNIDENTIFIED SPONGES
1 HORSESHOE CRAB
1 GULF FLOUNDER (LIVE)
2 UNIDENTIFIED CRABS (2 LIVE)

DREDGING CONTINUED NORMALLY

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1357	T. truncatus	1 / 8-10	traveling/feeding ~60' S of green buoy
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Observer name GWENDOLYN OBERHOLTZER / JAMES BOENER

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Jacksonville, FL

PROJECT NAME: Palm Beach DREDGE NAME: Atchafalaya

Date: 03 DEC 05 Load #s: 47-54 Areas dredge worked: Section 1

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

AIR TEMP: 62.8-76.5 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 76 °C/(°F) Column (mid-depth) — °C/°F Bottom — °C/°F

Condition of deflector: GOOD Condition of screening: GOOD

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

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

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

DREDGED MATERIAL CONSISTED OF SAND, SILT, SHELLS/SHELL FRAGMENTS, ROCK, VEGETATION, TRASH

BIOLOGICAL SPECIMENS CONSISTED OF: 1 HERMIT CRAB
2 UNIDENTIFIED CRAB (1 LIVE)
1 CALICO CRAB
1 CUSHION STAR
2 SPONGES (UNIDENTIFIED)
1 HORSESHOE CRAB

[redacted]

BRIDGE WATCH SUMMARY

Time	Species	# Sightings	# Animals	Location/Comments
1024	T. m. latirostris	2	3-4	traveled N→S across channel, then into intra...
1426	T. truncatus	1	10-12	traveling W towards shoreline

Observer name GWENDOLYN OBERHOLTZER JAMES BUEHLER

[signature] [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Jacksonville, FL

PROJECT NAME: Palm Beach Harbor, FL - Lake Worth Inlet DREDGE NAME: Atchafalaya

Date: 04 DEC 05 Load #s: 55 - 63 Areas dredge worked: Section 1 (25+00 - 56+00)

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

AIR TEMP: 70.3-82.1 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 76 °C/(°F) Column (mid-depth) — °C/°F Bottom — °C/°F

Condition of deflector: GOOD Condition of screening: GOOD

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

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

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

DREDGED MATERIAL CONSISTED OF: SAND, SILT, VEGETATION, SHELLS/SHELL FRAGMENTS, TRASH, ROCKS

BIOLOGICAL SPECIMENS CONSISTED OF: 4 UNIDENTIFIED SPONGE
2 PILLOW SPONGES
2 CUSHION STARS
2 SNAKE or WORM EELS (LIVE) - VISIBLE IN HOPPER
2 HERMIT CRABS (LIVE)
1 MANTIS SHRIMP (LIVE)
1 UNIDENTIFIED CRAB (LIVE)

DREDGING CONTINUED NORMALLY

BRIDGE WATCH SUMMARY

Time	Species	# Sightings	# Animals	Location/Comments
1006	C. mydas	1	1	Surfaced about 80' off port beam - adult

Observer name GWENDOLYN OBERHOLTZER / JAMES BUEHLER

Gwendolyn Oberholtzer James Buehler

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: JACKSONVILLE, FL

PROJECT NAME: PALM BEACH HARBOR, FL DREDGE NAME: ATCHAFALAYA

Date: 05 DEC 05 Load #s: 64-72 Areas dredge worked: SECTION 1

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

AIR TEMP: 70-80, 8 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 76 °C/(F) Column (mid-depth) — °C/°F Bottom — °C/°F

Condition of deflector: GOOD Condition of screening: GOOD

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

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

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

DREDGED MATERIAL CONSISTED OF: SAND, SILT, ROCKS, SHELLS/SHELL FRAGMENTS, VEGETATION, TRASH, WOOD

BIOLOGICAL SPECIMENS CONSISTED OF: 4 SPONGES (UNIDENTIFIED)
2 CALICO CRABS (1 LIVE)
7 CRABS (UNIDENTIFIED) (6 LIVE)
2 CUSHION STARS
1 HORSESHOE CRAB (LIVE)
1 SOUTHERN FLOUNDER (LIVE)

DREDGING CONTINUED NORMALLY

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name GUENDOLYN OBERHOLZER / JAMES BUEHLER

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: JACKSONVILLE, FL

PROJECT NAME: PALM BEACH HARBOR, FL DREDGE NAME: ATCHAFALAYA

Date: 06 DEC 05 Load #s: 73 - 80 (07 DEC 05) Areas dredge worked: SECTION 1, SETTLING BASIN

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

AIR TEMP: 69.8-78.7 °C/°(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 76 °C (°F) Column (mid-depth) ——— °C/°F Bottom ——— °C/°F

Condition of deflector: good Condition of screening: good

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

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

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

DREDGED MATERIAL CONSISTED OF SAND, SILT, ROCKS, SHELLS, VEGETATION, TRASH, WOOD

BIOLOGICAL SPECIMENS CONSISTED OF: 3 SOUTHERN STARGAZERS (1 LIVE)
6 UNIDENTIFIED CRABS (4 LIVE)
1 HERMIT CRAB (1 LIVE)
1 CALICO CRAB

LOADS #73 - 79 WERE ON 06 DEC 05
LOAD #80 WAS ON 07 DEC 05 (THE FINAL & ONLY LOAD THAT DAY)

DREDGING CEASED FOR THIS PROJECT AFTER LOAD #80 (ENDED 07 DEC 05)

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name GWENDOLYN OVERHOLTZER / JAMES BEEKER

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE DISTRICT: JACKSONVILLE FL

PROJECT NAME: PALM BEACH HARBOR, FL DREDGE NAME: ATCHAFALAYA

Dates: 28 NOV 05 - 07 DEC 05 Load #s: 1 – 80

Areas dredge worked: SECTION 1

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

Which species? N/A

Comments: WEEKLY SUMMARY CONSISTS OF ENTIRE PROJECT (COMPLETE AFTER LOAD #80)
- DREDGED MATERIAL: SAND, SILT, VEGETATION, ROCK, SHELLS/SHELL FRAGMENTS, WOOD, TRASH
- BIOLOGICAL SPECIMENS:

1 UNIDENTIFIED FLOUNDER	3 BLUE CRABS (1 JUVENILE)
1 STARGAZER (SPP. UNKNOWN)	3 SOUTHERN FLOUNDERS (1 LIVE)
11 CUSHION STARS	27 CRABS (SPP. UNKNOWN) (17 LIVE)
1 JUVENILE RAY (ATLANTIC TORPEDO?)	12 CALICO CRABS (3 LIVE)
30 SPONGES (SPP. UNKNOWN)	1 UNIDENTIFIED RAY
11 HORSESHOE CRABS (2 LIVE)	7 HERMIT CRABS (3 LIVE)
7 PILLOW SPONGES	1 ROPE SPONGE
1 TUBE SPONGE	1 LESSER ELECTRIC RAY (LIVE)
3 BARREL SPONGES	2 FAN CORAL
DEAD SEA WHIPS	1 GULF FLOUNDER (LIVE)

1 OLD SKELETAL BONE - APPEARS TO BE FEMORAL BONE OF UNKNOWN SEA MAMMAL
2 SNAKE or WORM EELS (LIVE) - VISIBLE IN HOPPER
1 MANTIS SHRIMP (LIVE) 3 SOUTHERN STARGAZERS (1 LIVE)

BRIDGE WATCH SUMMARY

Date/Time	Species	# Sightings/# Animals	Location/Comments
30 NOV 05 / 1634	Tursiops truncatus (Bottlenose dolphin)	1 / 3	TRAVELING N → S ACROSS CHANNEL
01 DEC 05 / 0635	T. truncatus	1 / 8-10	POSSIBLY FEEDING ~½ MILE OFFSHORE
01 DEC 05 / 1616	T. truncatus	1 / 5	TRAVELING S ACROSS CHANNEL
02 DEC 05 / 1357	T. truncatus	1 / 8-10	TRAVELING/FEEDING ~60' S OF CHANNEL BUOY
03 DEC 05 / 1024	T. m. latirostris (Manatee)	2 / 3-4	TRAVELED N → S ACROSS CHANNEL, THEN INTO
05 DEC 05 / 1480	T. truncatus	1 / 10-12	TRAVELING W TOWARDS SHORELINE
06 DEC 05 / 1006	Chelonia mydas (Green sea turtle)	1 / 1	SURFACED ~80' OFF PORT BEAM – ADULT

Observer name GWENDOLYN OBERHOLTZER / JAMES BUCHANAN