

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 12 / 19 / 06

Project Name: Wilmington Harbor Ocean Bar USACE District: Wilmington, NC

Dredge Name: Glenn Edwards Dredge Firm: Manson Construction

Contract # W912 PM-06-B-0022 Maintenance X / New Work

Load #: N/A Areas worked (stations, etc): N/A

Location, Lat/Long: N x W

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

AIR TEMP: 59-60 °C (°F) Wind Direction and Speed W@5kt, E@5kt

WATER TEMP: Surface 59 °C (°F) Column (mid-depth) °C (°F) Bottom °C (°F)

Condition of deflector: good Condition of screening: ok, no overflow screens

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

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

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

- Dredge arrived on 12/18 @ ~ 17:00 and was unable to get the silent inspector and HPAE running properly, thus dredging operations have yet to commence.
Dropped anchor @ 18:50
Observers Meghan Percy and Brad Davis boarded @ 0800.

BRIDGE WATCH SUMMARY

Table with 4 columns: Time, Species, # Sightings/# Animals, Location/Comments. Includes entries for Turaxis truncatus at 12:45 and 14:00.

Observers Names Meghan Percy, Brad Davis
Observer Firm Coastwise Consulting

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 12 / 20 / 06

Project Name: Wilmington Harbor - Ocean Bar USACE District: Wilmington, NC

Dredge Name: Glenn Edwards Dredge Firm: Manson Construction

Contract # W912 PM - 06 - B0022 Maintenance / New Work

Load #s: 01 - 02 Areas worked (stations, etc): Bald Head Shoal - Range 3

Location, Lat/Long: N 33 ° 50 . 63 x W 78 ° 01 . 64

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

AIR TEMP: 50-56 °C (°F) Wind Direction and Speed 5-12 kt. NW to NE

WATER TEMP: Surface 58 °C (°F) Column (mid-depth) --- °C/F Bottom --- °C/F

Condition of deflector: Good Condition of screening: Good

Were there incidents involving endangered or protected species? YES NO

Which species? (complete incident form(s)) n/a

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

2400 - 1200 : No loads were dug - No sightings to report

1200 - 2400 : 2 loads only

(No endangered species incidents or sightings)

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
<u>12:32</u>	<u>Common Loon</u>	<u>1 / 1</u>	<u>33°46.877 N / 78°03.126 W</u>
<u>14:00</u>	<u>Common Loon</u>	<u>1 / 1</u>	<u>33°49.666 N / 78.01.98 W</u>

Observers Names Brad Davis, Meghan Piercy

Observer Firm Coastwise Consulting, Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 12 / 21 / 06

Project Name: Wilmington Harbor Ocean Bar USACE District: Wilmington, N.C.

Dredge Name: Glenn Edwards Dredge Firm: Manson Construction

Contract #: W912 PM-06-B-0022 Maintenance X / New Work

Load #s: 2 - 7 Areas worked (stations, etc): 90+00 - 210+00

Location, Lat/Long: N 33 ° 50 . 09 x W 78 ° 01 . 83

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

AIR TEMP: 43-56 °C / °F Wind Direction and Speed NE-SE @ 3-15 kts

WATER TEMP: Surface 57-58 °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):

- There were no incidents with protected species.
- ACDE personell came out and conducted a paint test today. Paint was gone from TED's by the end of the load.
- Screens are being clogged with wood; observers are entering boxes for inspection before they are flushed.
- Dredged material consists of mud, sand, clay and rock (very large rock).
- Biota retained includes: wood, 01 Horseshoe Crabs, Skates, sea cucumber flounder and whelks.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
<u>N/A</u>		/	
		/	
		/	
		/	
		/	
		/	
		/	

Observers Names Meghan Percy, Brad Davis Observer Firm: Coastwise Consulting, Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 12 / 22 / 06

Project Name: Wilmington Harbor Ocean Bar USACE District: Wilmington, N.C.

Dredge Name: Glenn Edwards Dredge Firm: Manson Construction

Contract #: W912 PM-06-B-0022 Maintenance X / New Work

Load #s: 08 - 13 Areas worked (stations, etc):

Location, Lat/Long: N 33 ° 51 . 107 x W 78 ° 01 . 632

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

AIR TEMP: 57-62 °C (60)°F Wind Direction and Speed E to SE @ 5 to 15 kt.

WATER TEMP: Surface 57-58 °C (60)°F Column (mid-depth) (unavailable) °C° F Bottom °C° F

Condition of deflector: GOOD Condition of screening: GOOD

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

Which species? (complete incident form(s)) n/a

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

All loads contained large amounts of wood debris.

Material dredged was mud, clay & fine silt. Most loads included misc. trash & debris. Rock was also observed in loads - Especially load 07, which included a very large rock in port draghead.

Biota in screens included approx. 34 horseshoe crabs, 1 small flounder, and various whelks. Sea cucumber also observed.

Seas were too rough for observer to safely check chutes on Load 13, but dragheads were checked & appeared clear.

There were no incidents involving protected species.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1415 hrs.	Black Scoters	1 / 30	→ N @ 33° 51.914 N 78° 01.014 W

Observers Names B. Davis / M. Piercy Observer Firm: Coastwise Consulting, Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 12 / 23 / 06

Project Name: Wilmington Harbor Ocean Bar USACE District: Wilmington, N.C.

Dredge Name: Glenn Edwards Dredge Firm: Manson Construction

Contract #: W912 PM-06-B-0022 Maintenance / New Work

Load #s: 14 - 19 Areas worked (stations, etc): 90+⁰⁰ 136+⁰⁰ 90+⁰⁰-210+⁰⁰

Location, Lat/Long: N 33 ° 49 . 98 x W 78 ° 01 . 85

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

AIR TEMP: 64-67 °C / °F Wind Direction and Speed SE - W @ 3-20 kts

WATER TEMP: Surface 57-58 °C / °F Column (mid-depth) _____ °C / °F Bottom _____ °C / °F

Condition of deflector: good Condition of screening: good

Were there incidents involving endangered or protected species? YES NO

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

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

- There were no incidents with protected species.
- Dredged material consists of mud, sand, and small amounts of clay.
- Biota retained in screening: 11 Horseshoe crabs, whelks, 2 clearnose shales, 2 rays, ~~and~~ sea cucumbers and wood.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
15:35	<i>Turboys truncatus</i>	1 / 1	33°52.970N / 78°00.379W
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observers Names M. PIERCY, B. DAVIS Observer Firm: Coastwise Consulting, Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 12 / 24 / 06

Project Name: Wilmington Harbor Ocean Bar USACE District: Wilmington, N.C.

Dredge Name: Glenn Edwards Dredge Firm: Manson Construction

Contract #: W912 PM-06-B-0022 Maintenance X / New Work

Load #s: 20 - 25 Areas worked (stations, etc): 90 +⁰⁰ - 210 +⁰⁰

Location, Lat/Long: N 33 ° 49 . 514 x W 78 ° 02 . 036

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

AIR TEMP: 55-63 °C/F Wind Direction and Speed W to ENE @ 5 to 20 kt.

WATER TEMP: Surface 57-58 °C/F Column (mid-depth) (unavailable) °C/F Bottom °C/F

Condition of deflector: Good Condition of screening: Good

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

Which species? (complete incident form(s)) n/a

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

Material dredged was fine silt, mud, & debris - mainly wood.

Wood debris often clogs chute screens and dragheads.

Biota observed in screens included horseshoe crabs (approx. 8), whelks, croaker fish & a ray (UNID). Marine vegetation was observed in most loads. A clear nosed skate was retained in load # 22. No reindeer were sighted due to overcast skys.

There were no incidents involving endangered or protected species.

Safety meeting & drill aboard dredge @ 1630 hrs. today.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
<u>1243 hrs.</u>	<u>Common Loon</u>	<u>1 / 1</u>	<u>33° 46.164 N x 78° 02.663 W</u>

Observers Names B. Davis / M. Pieray Observer Firm: Coastwise Consulting, Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 12 / 25 / 06

Project Name: Wilmington Harbor Ocean Bar USACE District: Wilmington, N.C.

Dredge Name: Glenn Edwards Dredge Firm: Manson Construction

Contract #: W912 PM-06-B-0022 Maintenance X / New Work

Load #s: 26 - 31 Areas worked (stations, etc): 90+00-210+00

Location, Lat/Long: N 33° 50.59 x W 78° 01.70

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

AIR TEMP: 55-70 °C (1° F) Wind Direction and Speed ENE-SSW @ 15-30 kts

WATER TEMP: Surface 58 °C (1° F) Column (mid-depth) °C °F Bottom °C °F

Condition of deflector: good Condition of screening: OK

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):

- There were no incidents with protected species.
- Dredged material consists of mud, sand
- Biota retained in screening included: 3 Hs crab, whelks, wood.
- Seas too rough to climb into boxes during loads 30-31 - draghead were checked.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments

Observers Names M. PIERCEY, B. DAVIS Observer Firm: Coastwise Consulting, Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 12 / 26 / 06

Project Name: Wilmington Harbor - Ocean Bar USACE District: Wilmington, NC
 Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Const.
 Contract # W912HN-07-C-0004 Maintenance / New Work

Load #s: 32 - 38 Areas worked (stations, etc): 90+° to 210+°

Location, Lat/Long: N 33° 49.765 x W 078° 01.990

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

AIR TEMP: 49-70 °C (°F) Wind Direction and Speed SSW 15-35 kt.

WATER TEMP: Surface 58 °C (°F) Column (mid-depth) (unavailable) °C/F Bottom _____ °C/F

Condition of deflector: Good Condition of screening: Good

Were there incidents involving endangered or protected species? YES NO

Which species? (complete incident form(s)) n/a

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

Dredged material was fine silt, mud & debris - mostly wood.
Dragheads contain wood debris in most loads and wood often clog's screens in chutes. Observer has been cleaning screens in chutes by hand when sea conditions allow this to be done safely.
Biota observed in screens included horseshoe crabs (4), whelks, 2 UNID rays, small croaker fish and marine vegetation
There were no incidents involving protected marine species

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
<u>1048</u>	<u>T. truncatus</u>	<u>1 / 3</u>	<u>inbound @ Red 8 in channel</u> <u>33° 50.513N 078° 01.719W</u>

Observers Names B. Davis / M. Piercy
 Observer Firm Coastwise Consulting, Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 12, 27, 06

Project Name: Wilmington Harbor Ocean Bar USACE District: Wilmington, N.C.

Dredge Name: Glenn Edwards Dredge Firm: Manson Construction

Contract #: W912 PM-06-B-0022 Maintenance X / New Work

Load #s: 39 - 44 Areas worked (stations, etc): 90+00-210+00, 210+00-330+00

Location, Lat/Long: N 33 ° 48 . 47 x W 78 ° 02 . 39

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

AIR TEMP: 43-50 °C/°F Wind Direction and Speed NE-NW @ 2-20kts

WATER TEMP: Surface 57 °C (°F) Column (mid-depth) °C/°F Bottom °C/°F

Condition of deflector: good Condition of screening: good

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

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

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

- Dredged material consists of sand & mud in Stations 90+00-210+00 - and sand in Stations 210+00-330+00
Biota retained in screening consists of: 5 Horseshoe crabs, wood, sand dollars, sea whip, 1 Clearnose Skate, flounder and Whelk
Screens continue to clog and are flushed during loading and cleaned after load completion.

BRIDGE WATCH SUMMARY

Table with 4 columns: Time, Species, # Sightings/# Animals, Location/Comments. Includes entries for Common Loon and Unid'd Shearwater.

Observers Names M. PIERCY, B. DAVIS Observer Firm: Coastwise Consulting, Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 12 / 28 / 2006

Project Name: Wilmington Harbor Ocean Bar USACE District: Wilmington, N.C.

Dredge Name: Glenn Edwards Dredge Firm: Manson Construction

Contract #: W912 PM-06-B-0022 Maintenance X / New Work

Load #s: 44 - 51 Areas worked (stations, etc): 210+00 to 330+00 and 90+00 to 210+00

Location, Lat/Long: N 33 47 . 618 x W 078 02. 665

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

AIR TEMP: 46-53 °C / °F Wind Direction and Speed NE to NW 2-15 kt.

WATER TEMP: Surface 57-58 °C / °F Column (mid-depth) (unavail.) °C / °F Bottom (unavail.) °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 was sand, mud and debris- mostly wood. Dragheads contain large pieces of wood in most loads.

Biota observed in screens included horseshoe crabs (approx. 9), whelks, sea cucumber, sea pork and sand dollars.

Observer B. Davis entered forward chute and cleared large amount of sand and wood debris using hands and firehose. Deck A/B assisted. This took 40 minutes for one chute. (0011-0051 hrs.)

There were no protected or endangered species incidents or sightings.

BRIDGE WATCH SUMMARY

Table with 4 columns: Time, Species, # Sightings/# Animals, Location/Comments. Row 1: 1725, T. truncatus, 1 / 5-10, 33 45.90 N 078 02.53 W

Observers Names B. Davis / M. Piercy Observer Firm: Coastwise Consulting, Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 12 / 29 / 2006

Project Name: Wilmington Harbor Ocean Bar USACE District: Wilmington, N.C.

Dredge Name: Glenn Edwards Dredge Firm: Manson Construction

Contract #: W912 PM-06-B-0022 Maintenance / New Work

Load #s: 52 - 57 Areas worked (stations, etc): 88+00 – 210+00

Location, Lat/Long: N 33 ° 49. 28 x W 78 ° 02 . 12

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

AIR TEMP: 48-60 ° C / ° F Wind Direction and Speed NE@ 5 – 10 knots

WATER TEMP: Surface 57 - 58 ° C / ° F Column (mid-depth) _____ ° C / ° F Bottom _____ ° C / ° F

Condition of deflector: GOOD Condition of screening: OK

Were there incidents involving endangered or protected species? YES NO

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

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

- There were no incidents with protected species.
- Dredged material consists of mud and sand.
- Biota retained in screening included: wood, channeled whelks, knobbed whelks, 5 horseshoe crabs,

BRIDGE WATCH SUMMARY

<u>Time</u>	<u>Species</u>	<u># Sightings/# Animals</u>	<u>Location/Comments</u>
<u>12:30</u>	<u>black back gulls</u>	<u>1 / 2</u>	<u>on buoy # 4</u>
<u>12:49</u>	<u>Tursiops truncatus</u>	<u>1 / 30-40</u>	<u>feeding frenzie with flock of 20 gannets</u>
<u>16:45</u>	<u>Tursiops truncatus</u>	<u>1 / 30</u>	<u>33.44.156 N and 78.02.252 W</u> <u>33.43.89 N and 78.02.100 W</u>
_____	_____	_____/____	_____
_____	_____	_____/____	_____
_____	_____	_____/____	_____
_____	_____	_____/____	_____

Observers' Names: M. Piercy and B. Davis Observer Firm: Coastwise Consulting, Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 12 / 30 / 06

Project Name: Wilmington Harbor Ocean Bar USACE District: Wilmington, N.C.

Dredge Name: Glenn Edwards Dredge Firm: Manson Construction

Contract #: W912 PM-06-B-0022 Maintenance X / New Work

Load #: 58 - 65 Areas worked (stations, etc): 88+00 to 210+00

Location, Lat/Long: N 33 49.509 x W 78 02.03

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

AIR TEMP: 58-61 °C / °F Wind Direction and Speed NE 5-20 kt.

WATER TEMP: Surface 58 °C / °F Column (mid-depth) n/a °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):

Dredged material was mud, fine silt and sand.

Biota observed in screens and dragheads included clams, whelks and their egg cases, 4 horseshoe crabs, 1 stargazer and 1 small flounder (partial)

There were no protected species incidents.

BRIDGE WATCH SUMMARY

Table with 4 columns: Time, Species, # Sightings/# Animals, Location/Comments. Row 1: 1307, T. truncatus, 1/40, feeding @ 33 43.68 N/ 078 02.00 W (with 200+ gannets)

Observers Names Brad Davis/ Meghan Piercy Observer Firm: Coastwise Consulting, Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

Project Name: Wilmington Harbor Ocean Bar

USACE District: Wilmington, N.C.

Dredge Name: Glenn Edwards

Dredge Firm: Manson Construction

Contract #: W912 PM-06-B-0022

Maintenance / New Work

DATES: 12 / 24 / 06 - 12 / 30 / 06 LOADS #s: 20 - 65

Areas worked (stations, etc): 90+00 to 210+00, 210+00 to 330+00, 88+00 to 210+00

Locations, Lat/Long: N 33 ° 49 . 765 x W 078 ° 01 . 990

Lat/Long: N 33 ° 49 . 509 x W 078 ° 02 . 030

Were there incidents involving endangered or protected species? YES NO

Which species?

N/A

Comments: Dredged material was sand, fine silt and mud.

Debris observed included wood, rocks and misc. trash.

Biota observed in screens and dragheads included 38 horseshoe crabs, numerous whelks, clams, 1 flounder, 3 croaker, 1 stargazer, sea cucumber, sea pork, sea whip, keyhole urchins, and 2 clearnosed skates. Two badly damaged, unidentified rays were observed in the forward chute.

There were no incidents involving protected or endangered marine species.

BRIDGE WATCH SUMMARY

<u>Date/Time</u>	<u>Species</u>	<u># Sightings/# Animals</u>	<u>Location/Comments</u>
<u>24 Dec. 1243</u>	<u>common loon</u>	<u>1 / 1</u>	<u>33 46.164 N / 078 02.663 W</u>
<u>26 Dec. 1048</u>	<u>T. truncatus</u>	<u>1 / 3</u>	<u>inbound @ channel marker 8</u>
<u>27 Dec. 1230</u>	<u>unid. shearwater</u>	<u>1 / 1</u>	<u>33 49.489 N / 78 02.757 W</u>
<u>28 Dec. 1725</u>	<u>T. truncatus</u>	<u>1 / 5-10</u>	<u>33 49.90 N / 78 02.53 W</u>
<u>29 Dec. 1230</u>	<u>black back gulls</u>	<u>1 / 2</u>	<u>on channel buoy #4</u>
<u>29 Dec. 1249</u>	<u>T. truncatus</u>	<u>1 / 30-40</u>	<u>33 49.156 N / 78 02.252 W</u>
		<u>/</u>	<u>(feeding with approx. 20 gannets)</u>
<u>29 Dec. 1645</u>	<u>T. truncatus</u>	<u>1 / 30</u>	<u>33 43.89 N / 078 02.00 W</u>
<u>30 Dec. 1307</u>	<u>T. truncatus</u>	<u>1 / 40</u>	<u>33 43.68 N / 078 02.10 W</u>
		<u>/</u>	
		<u>/</u>	
		<u>/</u>	

Observers Names Brad Davis and Meghan Piercy

Observer Firm: Coastwise Consulting, Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 12 / 31 / 2006

Project Name: Wilmington Harbor Ocean Bar USACE District: Wilmington, N.C.

Dredge Name: Glenn Edwards Dredge Firm: Manson Construction

Contract #: W912 PM-06-B-0022 Maintenance X / New Work

Load #s: 66 - 71 Areas worked (stations, etc): 88+00 - 210+00 210+00 - 330+00

Location, Lat/Long: N 33 48 . 03 x W 78 02 . 56

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

AIR TEMP: 55 - 62 °C / °F Wind Direction and Speed NE - SE @ 5-20 knots

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):

- There were no incidents with protected species.
Dredged material consists of sand and mud and small amount of large rock.
Biota retained in screening included: 8 horseshoe crab, 4 blue crab, 1 unidentified shark, (shredded), clearnose skate, skate eggs, whelk egg cases, whelks, keyhole urchins and wood.

BRIDGE WATCH SUMMARY

Table with 4 columns: Time, Species, # Sightings/# Animals, Location/Comments. Row 1: no sightings, /, /

Observers Names M. Piercy, B. Davis Observer Firm: Coastwise Consulting, Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 01 / 01 / 2007

Project Name: Wilmington Harbor Ocean Bar USACE District: Wilmington, N.C.

Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Contract #: W912 PM-06-B-0022 Maintenance X / New Work

Load #s: 72 - 78 Areas worked (stations, etc): 88+00 to 210+00

Location, Lat/Long: N 33 48.03 x W 78 02.56

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

AIR TEMP: 60-68 C / F Wind Direction and Speed 10-25 kt. SSE to SW

WATER TEMP: Surface 58 C / F Column (mid-depth) unavail. C / F Bottom unavail. 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 was sand, mud & fine silt. Debris observed included wood, rope, netting, & trash.

Biota observed in screens included 3 horseshoe crabs, shrimp, knobbed whelks and sand dollars.

There were no incidents involving protected or endangered marine species.

BRIDGE WATCH SUMMARY

Table with 4 columns: Time, Species, # Sightings/# Animals, Location/Comments. Row 1: 1128 hrs., common loon, 1 / 1, 33 48.584 N / 078 02.312 W

Observers Names: Brad Davis & Meghan Piercy Observer Firm: Coastwise Consulting, Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 01 / 02 / 2007

Project Name: Wilmington Harbor Ocean Bar USACE District: Wilmington, N.C.

Dredge Name: Glenn Edwards Dredge Firm: Manson Construction

Contract #: W912 PM-06-B-0022 Maintenance / New Work

Load #s: 79 - 81 Areas worked (stations, etc): 88+00 – 210+00, 210+00 – 330+00

Location, Lat/Long: N 33 ° 48 . 69 x W 78 ° 02 . 26

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

AIR TEMP: 50-56 ° C / ° F Wind Direction and Speed : NE, ENE @5 – 12 knots

WATER TEMP: Surface 57-58 ° C / ° F Column (mid-depth) _____ ° C / ° F Bottom _____ ° C / ° F

Condition of deflector: good Condition of screening: okay

Were there incidents involving endangered or protected species? YES NO

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

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

- Last night's automation snafu was resolved this morning and dredging commenced at 11:00 a.m.
- There were no incidents with protected species.
- Dredged material consists of fine sand and clay.
- Biota retained in screening included: 3 Horseshoe crabs, quahogs, shrimp, whelks (lightening and knobbed), sand dollar, penshells and wood.

BRIDGE WATCH SUMMARY

<u>Time</u>	<u>Species</u>	<u># Sightings/# Animals</u>	<u>Location/Comments</u>
_____	_____	____/____	_____
_____	_____	____/____	_____
_____	_____	____/____	_____
_____	_____	____/____	_____
_____	_____	____/____	_____
_____	_____	____/____	_____
_____	_____	____/____	_____
_____	_____	____/____	_____

Observers Names M. Piercy, B. Davis Observer Firm: Coastwise Consulting, Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 01 / 03 / 07

Project Name: Wilmington Harbor Ocean Bar USACE District: Wilmington, N.C.

Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Contract #: W912 PM-06-B-0022 Maintenance X / New Work

Load #: 82 - 88 Areas worked (stations, etc): 210+00 to 330+00

Location, Lat/Long: N 33 51.68 x W 078 01.95

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

AIR TEMP: 52-64 °C / °F Wind Direction and Speed NE-NW 5-15 kt.

WATER TEMP: Surface 58 °C / °F Column (mid-depth) (unavail.) °C / °F Bottom (unavail.) °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):

There were no incidents involving protected or endangered marine species.

Material dredged was sand, mud, clay, fine silt, and debris. Debris observed included wood, rock, rope, netting, discarded plastic, rubber tires, crab pots, fishing line & hooks and misc. other trash.

Biota observed in screens and dragheads included 3 horseshoe crabs, 1 clearnose skate, 1 smooth dogfish shark, whelks and whelk egg cases, penshells, quahogs, and marine vegetation.

Marine Endangered Species Observers were informed today that the dredge will be sailing up the Cape Fear River in the morning (Thursday, 01-04-07) to tie up at the state port for several days of heavy equipment maintenance. Observers will not be allowed to remain onboard while ship is docked.

It is unknown at this time exactly how long the observers will remain on standby status ashore.

BRIDGE WATCH SUMMARY

Table with 4 columns: Time, Species, # Sightings/# Animals, Location/Comments. Includes entries for 1700 (Great Blue Heron) and 1733 (T. truncatus).

Observer's Names: Bradley Davis & Meghan Piercy Observer Firm: Coastwise Consulting, Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 01 / 04 / 07

Project Name: Wilmington Harbor Ocean Bar USACE District: Wilmington, N.C.

Dredge Name: Glenn Edwards Dredge Firm: Manson Construction

Contract #: W912 PM-06-B-0022 Maintenance X / New Work

Load #: 89 - 91 Areas worked (stations, etc): 210+00 to 330+00

Location, Lat/Long: N 33 ° 51 . 68 x W 078 ° 01 . 95

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

AIR TEMP: 59-64 ° C / ° F Wind Direction and Speed NE to ENE 2-10 kt.

WATER TEMP: Surface 58 ° C / ° F Column (mid-depth) n/a ° 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):

No protected / endangered species incidents.

Dredged material was sand , mud and wood.

Biota observed included whelks and whelk egg cases, 1 clearnose skate and 3 horseshoe crabs.

Dredge Glenn Edwards is sailing to the NC State Port in Wilmington today to tie up for several days of equipment maintenance.

Observers will not be allowed to remain onboard the vessel on standby status while ship is at the dock.

At this time it is unknown exactly how long the observers will be required to remain ready for duty on standby status ashore.

BRIDGE WATCH SUMMARY

Table with 4 columns: Time, Species, # Sightings/# Animals, Location/Comments. Row 1: no sightings, n/a.

Observer's Names: Bradley Davis & Meghan Piercy Observer Firm: Coastwise Consulting, Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 01 / 05 / 2007

Project Name: Wilmington Harbor Ocean Bar USACE District: Wilmington, N.C.

Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Contract #: W912HN-07-C-0004 Maintenance / New Work

Load #s: Areas worked (stations, etc):

Location, Lat/Long: N 33 48.03 x W 78 02.56

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

AIR TEMP: 60-68 °C / °F Wind Direction and Speed 10-25 kt. SSE to SW

WATER TEMP: Surface 58 °C / °F Column (mid-depth) unavail. °C / °F Bottom unavail. °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)) n/a

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

VESSEL MOORED ENTIRE DAY AT STATE DOCKS BERTH 1 REPAIRS AND MODIFICATIONS

Multiple horizontal lines for additional comments.

BRIDGE WATCH SUMMARY

Table with 4 columns: Time, Species, # Sightings/# Animals, Location/Comments. Includes multiple rows for data entry.

Observers Names:

Observer Firm: Coastwise Consulting, Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 01 / 06 / 07

Project Name: Wilmington Harbor Ocean Bar USACE District: Wilmington, N.C.

Dredge Name: Glenn Edwards Dredge Firm: Manson Construction

Contract #: W912HN-07-C-0004 Maintenance / New Work

AIR TEMP: °C / °F Wind Direction and Speed:

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):

VESSEL MOORED ENTIRE DAY AT STATE DOCKS BERTH 1, REPAIRS, FUEL/WATER

BRIDGE WATCH SUMMARY

Observers Names Observer Firm: Coastwise Consulting, Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 01 / 07 / 07

Project Name: Wilmington Harbor Ocean Bar USACE District: Wilmington, N.C.

Dredge Name: Glenn Edwards Dredge Firm: Manson Construction

Contract #: W912HN-07-C-0004 Maintenance X / New Work

Load #s: 92 - 94 Areas worked (stations, etc): 88+00 - 210+00

Location, Lat/Long: N 33 50 . 78 x W 78 01 . 72

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

AIR TEMP: 61 - 69 °C / °F Wind Direction and Speed: NE - SE @ 4 - 10 knots

WATER TEMP: Surface 58 °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):

- There were no incidents with protected species.
• Dredged material consists of fine sand and clay.
• Biota retained in screening included wood, lightening whelks and whelk egg cases.
• Overflow screening was installed yesterday, January 6, with approximately 75% coverage.
• The Glen Edwards returned to dredging today after two days inside for repairs.

BRIDGE WATCH SUMMARY

Table with 4 columns: Time, Species, # Sightings/# Animals, Location/Comments. Includes entries for Tursiops truncatus at 10:45 and 13:15.

Observers Names M. Piercy Observer Firm: Coastwise Consulting, Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 01 / 08 / 07

Project Name: Wilmington Harbor Ocean Bar USACE District: Wilmington, N.C.

Dredge Name: Glenn Edwards Dredge Firm: Manson Construction

Contract #: W912HN-07-C-0004 Maintenance / New Work

Load #s: 96 - 100 Areas worked (stations, etc): 88+00 -210+00
 Location, Lat/Long: N 30 ° 50 . 78 x W 78 ° 01 . 72

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

AIR TEMP: _____ °C / °F Wind Direction and Speed: SW – W – NW @ 10 – 25 knots

WATER TEMP: Surface 57 - 58 °C / °F Column (mid-depth) _____ °C / °F Bottom _____ °C / °F

Condition of deflector: good Condition of screening: good

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

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

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

- There were no incidents with protected species.
- Dredged material consists of fine sand, mud and a small amount of clay.
- Biota retained in screening included: 1 Horseshoe crab, lightening whelks, menhaden (poagies), dogfish and wood.

BRIDGE WATCH SUMMARY

<u>Time</u>	<u>Species</u>	<u># Sightings/# Animals</u>	<u>Location/Comments</u>
<u>09:09</u>	<u>Common Loon</u>	<u>1 / 1</u>	<u>33.44.31 N and 78.44.31 W</u>
<u>10:00 – 13:00</u>	<u>Double-crested cormorant</u>	<u>1 / 150</u>	<u>following the dredge during dredging and to the dump</u>
_____	_____	_____ / _____	_____
_____	_____	_____ / _____	_____
_____	_____	_____ / _____	_____
_____	_____	_____ / _____	_____
_____	_____	_____ / _____	_____

Observers Names: M. Piercy, D. Mann Observer Firm: Coastwise Consulting, Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 01 / 09 / 07

Project Name: Wilmington Harbor Ocean Bar USACE District: Wilmington, N.C.

Dredge Name: Glenn Edwards Dredge Firm: Manson Construction

Contract #: W912HN-07-C-0004 Maintenance / New Work

Load #s: 102 - 105 Areas worked (stations, etc): _____

Location, Lat/Long: N 33 ° 50 . 78 x W 78 ° 01 .70

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

AIR TEMP: 42-52 °C / °F Wind Direction and Speed SW-NW 1-30 Knts.

WATER TEMP: Surface 57 °C / °F Column (mid-depth) _____ °C / °F Bottom _____ °C / °F

Condition of deflector: Good Condition of screening: Good

Were there incidents involving endangered or protected species? YES NO

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

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

Material: Primarily Sand with mud, silt, and clay
Biological specimens: 3 Spiny Dogfish, 1 unidentified skate, 1 Horseshoe Crab
No incidents with endangered or threatened species

BRIDGE WATCH SUMMARY

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

Observers Names Dave Mann M. Piercy Observer Firm: Coastwise Consulting, Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 01 / 10 / 07

Project Name: Wilmington Harbor Ocean Bar USACE District: Wilmington, N.C.

Dredge Name: Glenn Edwards Dredge Firm: Manson Construction

Contract #: W912HN-07-C-0004 Maintenance / New Work

Load #s: 106 - 109 Areas worked (stations, etc): 88+00 - 210+00

Location, Lat/Long: N 33 ° 50 . 77 x W 78 ° 01 . 72

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

AIR TEMP: 39 - 52 °C / °F Wind Direction and Speed: WSW-NW @ 2 - 30 knots

WATER TEMP: Surface 56 °C / °F Column (mid-depth) _____ °C / °F Bottom _____ °C / °F

Condition of deflector: good Condition of screening: good

Were there incidents involving endangered or protected species? YES NO

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

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

- There were no incidents with protected species.
- After heaving to for weather beginning yesterday @ approximately 17:30, the Glenn Edwards commenced dredging operations today at 05:55.
- ACOE personnel, including the district Colonel, visited the dredge today.
- Biota retained in screening included: 3 Horseshoe crab, 1 blue crab, whelks, whelk egg cases, unidentified skate, spiny dogfish and wood.

BRIDGE WATCH SUMMARY

<u>Time</u>	<u>Species</u>	<u># Sightings/# Animals</u>	<u>Location/Comments</u>
_____	_____	_____/____	_____
_____	_____	_____/____	_____
_____	_____	_____/____	_____
_____	_____	_____/____	_____
_____	_____	_____/____	_____
_____	_____	_____/____	_____
_____	_____	_____/____	_____
_____	_____	_____/____	_____

Observers Names: M. Piercy, D. Mann Observer Firm: Coastwise Consulting, Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

DATE: 01 / 11 / 07

Project Name: Wilmington Harbor Ocean Bar USACE District: Wilmington, N.C.

Dredge Name: Glenn Edwards Dredge Firm: Manson Construction

Contract #: W912HN-07-C-0004 Maintenance / New Work

Load #s: 110 - 112 Areas worked (stations, etc): 88+00 - 210+00

Location, Lat/Long: N 33 ° 50 . 77 x W 78 ° 01 . 72

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

AIR TEMP: 42 °C / °F Wind Direction and Speed: NW @ 2 - 15 knots

WATER TEMP: Surface 56 °C / °F Column (mid-depth) _____ °C / °F Bottom _____ °C / °F

Condition of deflector: good Condition of screening: good

Were there incidents involving endangered or protected species? YES NO

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

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

- There were no incidents with protected species.
Material was primarily sand, and some clay, mud and silt

BRIDGE WATCH SUMMARY

<u>Time</u>	<u>Species</u>	<u># Sightings/# Animals</u>	<u>Location/Comments</u>
_____	_____	_____/____	_____
_____	_____	_____/____	_____
_____	_____	_____/____	_____
_____	_____	_____/____	_____
_____	_____	_____/____	_____
_____	_____	_____/____	_____
_____	_____	_____/____	_____

Observers Names: M. Piercy, D. Mann Observer Firm: Coastwise Consulting, Inc.

