**ENDANGERED SPECIES OBSERVER PROGRAM**

# DAILY REPORT

**DATE:** 9 / DEC / 07

**Project Name:** WILMINGTON OCEAN BAR MAINTENANCE **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLDD

**Contract #** W912HN-08-C-0002 **Maintenance** X / **New Work** ____

**Load #s:** 1 - 3 **Areas worked (stations, etc):** STATIONS 209+00 - 148+00

**Location, Lat/Long:** N 33 ° 47 . 560 x W 78 ° 01 . 983

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

**AIR TEMP:** 19.4 °C/°F **Wind Direction and Speed** SW 5

**WATER TEMP: Surface** 15 °C/°F **Column (mid-depth)** ____ °C/°F **Bottom** ____ °C/°F

**Condition of deflector:** Good **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):**

- MATERIAL DREDGED WAS MUD
- MATERIAL RETAINED IN SCREENS: ROCK, WOOD, & HERMIT CRAB
- DISCHARGE BOX AND OVERFLOWS CLOGGED WITH WOOD DEBRIS
- THERE WERE NO INCIDENTS INVOLVING ENDANGERED OR PROTECTED SPECIES

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
| 1400 | Tursiops truncatus | 1 / 6-8 | 33°47'.267, 78°02.728 FEEDING |
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**Observers Names** STACIE KNIGHT, NIKKI DOYLE

**Observer Firm** COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# DAILY REPORT

**DATE:** 12 / 10 / 07

**Project Name:** WILMINGTON OCEAN BAR MAINTENANCE **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLDD

**Contract #** W912HN-08-C-0002 **Maintenance** X / **New Work** ____

**Load #s:** 4 - 10 **Areas worked (stations, etc):** Stations 209+00 - 148+00

**Location, Lat/Long:** N 33 ° 49 . 560 x W 78 ° 01 . 983

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

**AIR TEMP:** 13-19 (°C)/°F **Wind Direction and Speed** S/W 0-5

**WATER TEMP: Surface** 15 °C/°F **Column (mid-depth)** ____ °C/°F **Bottom** ____ °C/°F

**Condition of deflector:** Good **Condition of screening:** Good

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

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

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

- MATERIAL DREDGED IS SAND
- MATERIALS RETAINED IN SCREENS - WOOD, ROCKS, ROPE, NETTING HERMIT CRAB, HORSHOE CRAB, WHELK
- OVERFLOW SKIMMERS CONTINUE TO FILL WITH WOOD (MANY) DEBRIS.
- NO INCIDENTS WITH PROTECTED OR ENDANGERED SPECIES

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
| 0712 - 0715 | Tursiops truncatus. | 3 / 15 | 33°43.513 N 78°01.99 W |
| 1022 - 1025 | " " | 2 / 10 | 33°45.023 N 78 02.278 W |
| | | / | |
| THROUGHOUT DAY | TURSIOPS TRUNCATUS | MANY / MANY | - ALL ALONG ROUTE TO & FROM DMP. |
| | | 40-50 / 40-50 | |
| | | / | |
| | | / | |

**Observers Names** STACIE KNIGHT / NIKKI DOYLE

**Observer Firm** COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# DAILY REPORT

**DATE:** 11 / DEC / 07

**Project Name:** WILMINGTON OCEAN BAR MAINTENANCE **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLDD

**Contract #** W912HN-08-C-0002 **Maintenance** X / **New Work** ____

**Load #s:** 11 - 13 **Areas worked (stations, etc):** 209 +00 - 148 +00

**Location, Lat/Long:** N 33 ° 49 . 560 x W 78 ° 01 . 93

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

**AIR TEMP:** 22 °C/°F **Wind Direction and Speed** SW 5 KTS

**WATER TEMP: Surface** 15 °C/°F **Column (mid-depth)** ____ °C/°F **Bottom** ____ °C/°F

**Condition of deflector:** Good **Condition of screening:** Good

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

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

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

- MATERIAL WAS MUD
- MATERIAL RETAINED IN SCREENS : ROCK, WOOD, 1 SKATE, 1 STINGRAY, 2 HORSESHOE CRABS, CANNONBALL JELLYFISH, + WHELK
- LATERAL OVERFLOW SCREENING WAS REMOVED PRIOR TO LOAD #13
- THERE WERE NO INCIDENTS INVOLVING ENDANGERED OR PROTECTED SPECIES

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
| 1018 | Tursiops truncatus | 1 / 3 | 33°46.448 N, 78°02.700 W |
| 1110 | " " | 1 / 10-15 | 33° 49.429N, 78° 02.031 W |
| 1435 | " " | 1 / 8-10 | 33° 48.742N, 78° 02.202 |
| | | / | |
| | | / | |
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**Observers Names** NIKKI DOYLE, STACIE KNIGHT

**Observer Firm** COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# DAILY REPORT

**DATE:** 12 / DEC. / 07

**Project Name:** WILMINGTON OCEAN BAR MAINTENANCE **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLDD

**Contract #** W912HN-08-C-0002 **Maintenance** X / **New Work** ____

**Load #s:** 14 - 18 **Areas worked (stations, etc):** 209+00 - 148+00

**Location, Lat/Long:** N 33 ° 49 . 560' x W 78 ° 01 . 93'

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

**AIR TEMP:** 13 - 15 (°C)/°F **Wind Direction and Speed** 0-5 West

**WATER TEMP: Surface** 15 (°C)/°F **Column (mid-depth)** ____ °C/°F **Bottom** ____ °C/°F

**Condition of deflector:** Good **Condition of screening:** Good

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

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

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

- MATERIAL DREDGED WAS MUD
- MATERIAL RETAINED IN SCREENS WAS MAINLY ROCK & WOOD ALSO / 1 STINGRAY 3 HORSESHOE CRABS
- NO INCIDENTS INVOLVING PROTECTED OR ENDANGERED SPECIES

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
| 0718 - 0730 | Tursiops Truncatus | 3 / 6-7 | 33°45.401' N 78°02.427' W |
| 0830 - 0845 | " " | 1+1 / 6 - 10 | 33°44.719' N 78°02.053 - Feeding |
| | | / | |
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**Observers Names** Stacie Knight / Nikki Doyle

**Observer Firm** COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# DAILY REPORT

**DATE:** 13 / Dec. / 07

**Project Name:** WILMINGTON OCEAN BAR MAINTENANCE **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLDD

**Contract #** W912HN-08-C-0002 **Maintenance** X / **New Work** ____

**Load #s:** 19 - 22 **Areas worked (stations, etc):** 209+00 - 148+00

**Location, Lat/Long:** N 33 ° 49 . 560 x W 78 ° 01 . 93

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

**AIR TEMP:** 17 (°C)/°F **Wind Direction and Speed** WEST 5-10 KTS

**WATER TEMP: Surface** 15 (°C)/°F **Column (mid-depth)** ____ °C/°F **Bottom** ____ °C/°F

**Condition of deflector:** GOOD **Condition of screening:** GOOD

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

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

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

- MATERIAL DREDGED WAS MUD
- MATERIAL RETAINED IN SCREENS: ROCK, WOOD, 5 HORSESHOE CRABS, 1 SKATE, + 1 RAY
- NO OVERFLOW SCREENING, %100 INFLOW IN PLACE
- THERE WERE NO INCIDENTS INVOLVING ENDANGERED OR PROTECTED SPECIES

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
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**Observers Names** STACIE KNIGHT / NIKKI DOYLE

**Observer Firm** COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# DAILY REPORT

**DATE:** 14 / DEC / 07

**Project Name:** WILMINGTON OCEAN BAR MAINTENANCE **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLDD

**Contract #** W912HN-08-C-0002 **Maintenance** X / **New Work** ____

**Load #s:** 23 - 27 **Areas worked (stations, etc):** 209+00 - 148+00

**Location, Lat/Long:** N 33 ° 49 . 560 x W 78 ° 01 . 93

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

**AIR TEMP:** 17/16/15 (°C)/°F **Wind Direction and Speed** 7-8 kt. S/W

**WATER TEMP: Surface** 15 (°C)/°F **Column (mid-depth)** ____ °C/°F **Bottom** ____ °C/°F

**Condition of deflector:** Good **Condition of screening:** Good

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

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

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

- MATERIAL DREDGED WAS MUD
- CONTENTS OF SCREENS INCLUDES WOOD, ROCK, 7 SKATES, 4 HORSESHOE CRABS
- NO INCIDENTS WITH ENDANGERED OR PROTECTED SPECIES
- 100% INFLOW SCREENING NO OUTFLOW SCREENING.

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
| 11:17 AM | Tursiops Truncatus | 3 / 15 | Swimming across bow - 33° 43.017' 78° 02.061' |
| | | / | |
| | | / | |
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**Observers Names** Nikki Doyle / Stacie Knight

**Observer Firm** COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# DAILY REPORT

**DATE:** 15 / DEC / 07

**Project Name:** WILMINGTON OCEAN BAR MAINTENANCE **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLDD

**Contract #** W912HN-08-C-0002 **Maintenance** X / **New Work** ____

**Load #s:** 28 - 33 **Areas worked (stations, etc):** 209+00 - 148+00

**Location, Lat/Long:** N 33 ° 49 . 560 x W 78 ° 01 . 93

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

**AIR TEMP:** 13 °C/°F **Wind Direction and Speed** NE 10 - 25 KTS

**WATER TEMP: Surface** 15 °C/°F **Column (mid-depth)** ____ °C/°F **Bottom** ____ °C/°F

**Condition of deflector:** Good **Condition of screening:** Good

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

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

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

- MATERIAL DREDGED WAS MUD
- MATERIAL RETAINED IN SCREENING: WOOD, ROCK, AND 1 SKATE
- NO OVERFLOW SCREENING, BUT %100 INFLOW SCREENING
- THERE WAS NO INCIDENTS INVOLVING ENDANGERED OR PROTECTED SPECIES

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
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**Observers Names** NIKKI DOYLE, STACIE KNIGHT

**Observer Firm** COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# WEEKLY SUMMARY

**Project Name:** WILMINGTON OCEAN BAR MAINT. **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLDD

**Contract #** W912HN-08-C-0002 **Maintenance** X / **New Work** ____

**DATES:** 9 / DEC / 07 - 15 / DEC / 07 **LOADS #s:** 1 - 33

**Areas worked (stations, etc):** STATIONS 209+00 - 148+00

**Locations, Lat/Long:** N 33 ° 49 . 560 x W 78 ° 01 . 93

**Lat/Long:** N ____ ° ____ . ____ x W ____ ° ____ . ____

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

**Which species?** ____

**Comments:**

- DREDGING BEGAN ON 9 DECEMBER AT 1528
- MATERIAL DREDGED WAS MUD
- MATERIAL COLLECTED IN SCREENING: WOOD ROCK, 10 SKATES, 3 RAYS, 15 HORSESHOE CRABS, HERMIT CRAB AND WHELK
- DUE TO EXCESSIVE CLOGGING WITH WOOD OVERFLOW SCREENING WAS REMOVED FROM LATERAL OVERFLOWS ON 11 DECEMBER; % 100 INFLOW SCREENING IN PLACE
- THERE WERE NO INCIDENTS INVOLVING ENDANGERED OR PROTECTED SPECIES

## BRIDGE WATCH SUMMARY

| Date/Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
| 9 DEC 1400 | TURSIOPS truncatus | 1 / 6-8 | 33° 47.267, 78° 02.728 |
| 10 DEC 0712 | " " | 1 / 15 | 33° 43.513, 78° 01.99 |
| 10 DEC 1022 | " " | 1 / 10 | 33° 45.023 78° 02.278 |
| 11 DEC 1018 | " " | 1 / 3 | 33° 46'.448', 78° 02'700 |
| 11 DEC 1110 | " " | 1 / 10-15 | 33° 49' 429, 78° 02' 031 |
| 11 DEC 1435 | " " | 1 / 8-10 | 33° 43' 742, 78° 02' 602 |
| 12 DEC 0718 | " " | 3 / 6-7 | 33° 45.401 78° 02' 427 |
| 12 DEC 0830 | " " | 2 / 6-10 | 33 44 719 78° 02.053 |
| 14 DEC 1117 | " " | 3 / 15 | 33 43.017 78° 02.061 |
| | | / | |
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| | | / | |

**Observers Names** NIKKI DOYLE, STACIE KNIGHT

**Observer Firm** COASTWISE CONSULTING

**DATE:** 16 / Dec / 07

**Project Name:** WILMINGTON OCEAN BAR MAINTENANCE **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLDD

**Contract #** W912HN-08-C-0002 **Maintenance** X / **New Work** ____

**Load #s:** 34 - 36 **Areas worked (stations, etc):** 209+00 - 148+00

**Location, Lat/Long:** N 33 ° 49 . 560 x W 78 ° 01 . 95

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

**AIR TEMP:** 13-15 (°C) °F **Wind Direction and Speed** 25-30 SSW.

**WATER TEMP: Surface** 15 (°C) °F **Column (mid-depth)** ____ °C/°F **Bottom** ____ °C/°F

**Condition of deflector:** Good **Condition of screening:** Good

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

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

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

- Material dredged was mud
- Material retained in screens was wood, rocks 1 skate & 1 whelk
- 100% inflow screening (NO overflow screening)
- No incidents involving protected or endangered species
- Dredge was "have to" due to weather for a while
- Also had to go ("inside" channel) to meet crew boat due to weather

**BRIDGE WATCH SUMMARY**

| Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
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**Observers Names** Stacie Knight / Nikki Dyer

**Observer Firm** COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# DAILY REPORT

**DATE:** 17 / Dec / 07

**Project Name:** WILMINGTON OCEAN BAR MAINTENANCE **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLDD

**Contract #** W912HN-08-C-0002 **Maintenance** X / **New Work** ____

**Load #s:** 37 - 38 **Areas worked (stations, etc):** 209+00 - 148+00

**Location, Lat/Long:** N 33 ° 49 . 560 x W 78 ° 01 . 95

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

**AIR TEMP:** 6-13 °C/°F **Wind Direction and Speed** NNW ~ 5-15 KTS

**WATER TEMP: Surface** 14.5 °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))** C. MYDAS (SEE ATTACHED INCIDENT REPORT)

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

- DREDGE WAS "HOVE TO" FROM 1:15 AM TO 11:35 AM DUE TO ADVERSE CONDITIONS.
- BEGAN DREDGING AGAIN AT 11:35 AM
- REQUIRED TO WEAR HARNESS IN BOX WHEN BOTTOM IS OPEN - (AND SIGN JSA FORM)
- GIB FRYE REPLACED STACEY KNIGHT AS OBSERVER @ ~0830.
- A FRESHLY DEAD JUVENILE GREEN SEA TURTLE WAS FOUND IN THE MID INFLOW SCREENING ON LOAD #38. FOR DETAILS SEE INCIDENT REPORT. DREDGING WAS SUSPENDED FOR USACOE NOTIFICATION & ADJUSTMENT.
- BIOLOGICAL SPECIMENS OBSERVED IN SCREENING INCLUDED CLEARNOSE SKATES AND WHELK.
- ABIOTIC DEBRIS REMAINED IN SCREENING CONSISTED OF ROCK, METAL, WOOD & PLASTIC.
- THE MATERIAL BEING DREDGED IS MUD.

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
| NO SIGHTINGS | | / | |
| | | / | |
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**Observers Names** Nikki Doyle & GIB FRYE

**Observer Firm** COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# DAILY REPORT

**DATE:** 18 / Dec / 07

**Project Name:** WILMINGTON OCEAN BAR MAINTENANCE **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLDD

**Contract #** W912HN-08-C-0002 **Maintenance** X / **New Work** ____

**Load #s:** 39 - 40 **Areas worked (stations, etc):** 209 +00 - 168 +00

**Location, Lat/Long:** N 33 ° 49 . 560 x W 78 ° 01 . 95

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

**AIR TEMP:** 6 - 18 (°C)/°F **Wind Direction and Speed** 0-3 NNW

**WATER TEMP: Surface** 14.5 °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))** ____

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

- LOTS OF TESTS OCURRED IN THE AM — Checked angles o- pipes, Depth test on the draghead Paint test on the draghead.
- FIXED 2 SMALL GAPS IN CHAINS ON TED.
- DURING PAINT TEST THE TED BROKE AWAY FROM DRAGHEAD AND THE TED [redacted] WAS DAMAGED (PORT SIDE)
- 1313 — BEGAN DREDGING WITH STARBOARD DRAGHEAD ONLY
- BIOLOGICAL SPECIMENS OBSERVED IN SCREENING INCLUDED A DOGFISH, CLEARNOSE SKATES, HORSESHOE CRABS, WHELK, AND COCKLE SHELLS.
- ARTIFICIAL DEBRIS RETAINED IN SCREENING INCLUDED PLASTIC, ROPE, ROCK, AND WOOD.
- THE MATERIAL BEING DREDGED IS MUD.

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
| 4:06 pm | Tursiops Truncatus | 1 / 1 | 33° 50.359'N 78°01.843 W |
| | | / | |
| | | / | |
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| | | / | |
| | | / | |
| | | / | |

**Observers Names** Nikki Doyle / GIB FRYE

**Observer Firm** COASTWISE CONSULTING

ENDANGERED SPECIES OBSERVER PROGRAM

# DAILY REPORT

DATE: 12 / 19 / 07

Project Name: WILMINGTON OCEAN BAR MAINTEN. USACE District: WILMINGTON

Dredge Name: LIBERTY ISLAND Dredge Firm: GLDD

Contract # WN1ZHN-08-C-0002 Maintenance X / New Work ____

Load #s: 41 - 45 Areas worked (stations, etc): STATIONS 209+00 - 148+00 AND 148+00 - 88+42

Location, Lat/Long: N 33 ° 50 . 043 x W 78 ° 01 . 900

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

AIR TEMP: 7-12 °C/°F Wind Direction and Speed NNE ~5 KTS

WATER TEMP: Surface 14.0 °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 ✓

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

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

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.
- BEGAN DIGGING STATIONS 148+00 TO 88+42 ON LOAD # 45.
- BIOLOGICAL SPECIMENS OBSERVED IN SCREENING INCLUDED A DOGFISH, CLEARNOSE SKATES, HORSESHOE CRABS, AND VARIOUS SPECIES OF GASTEROPOD & BIVALVE SHELLS.
- ABIOTIC DEBRIS RETAINED IN SCREENING CONSISTED OF ROCK, ROPE, METAL, WOOD, PLASTIC, AND FISHING LINE.
- DREDGING WAS CONDUCTED THE ENTIRE DAY USING ONLY THE STARBOARD DRAGARM.

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
| 1338 - 1345 | T. TRUNCATUS | 1 / ~6 | 33°49.838 N 78°01.877 W |
| | | / | MOVING SLOWLY NW |
| | | / | |
| | | / | |
| | | / | |
| | | / | |
| | | / | |

Observers Names NIKKI DOYLE & ANN FAYE

Observer Firm COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# DAILY REPORT

**DATE:** 12 / 20 / 07

**Project Name:** WILMINGTON OCEAN BAR MAINTENENCE **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLDD

**Contract #** WN12HN-08-C-0002 **Maintenance** X / **New Work** ____

**Load #s:** 46 - 50 **Areas worked (stations, etc):** 148+00 - 88+42

**Location, Lat/Long:** N 33° 50.98' x W 78° 01.667

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

**AIR TEMP:** 6-9 °C/°F **Wind Direction and Speed** N ~ 5 KTS

**WATER TEMP:** **Surface** 13.5 °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** ✓

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

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

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.
- BIOLOGICAL SPECIMENS OBSERVED IN SCREENING INCLUDED CLEARNOSE SKATES, HORSESHOE CRABS, WHELK, OYSTER, AND COCKLE SHELLS.
- ARTIFIC DEBRIS RETAINED IN SCREENING CONSISTED OF ROCK, PLASTIC, FISHING LINE, WOOD, AND ROPE.
- DREDGING WAS CONDUCTED THE ENTIRE DAY USING ONLY THE STARBOARD DRAGARM.
- THE MATERIAL BEING DREDGED IS MUD & SAND.

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
| 0716AM | Tursiops Truncatus | 1 / 2 | 33°46.648' 78°02.732' |
| 0823 - 0825 | " " | 1 / 6 | 33°48.599' 78°02.322' — Feeding |
| 1332 - 1335 | Tursiops Truncatus | 1 / 1 | 33°45.286' 78°02.351' |
| 1628 - 1629 | " " | 1 / 2 | 33° 50.764' 78 01 720' - Moving North |
| | | / | |
| | | / | |
| | | / | |

**Observers Names** GIB FRYE / NIKKI DOYLE

**Observer Firm** COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# DAILY REPORT

**DATE:** 12 / 21 / 07

**Project Name:** WILMINGTON OCEAN BAR MAINTENANCE **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLDD

**Contract #** W912HN-08-C-0002 **Maintenance** X / **New Work** ____

**Load #s:** 51 - 53 **Areas worked (stations, etc):** $148^{+00} - 88^{+42}$

**Location, Lat/Long:** N 33 ° 50 . 981 x W 78 ° 01 . 667

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

**AIR TEMP:** 5-7 °C/°F **Wind Direction and Speed** NE 15-20+ KTS

**WATER TEMP: Surface** 13.0 °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** ✓

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

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

- DREDGING WAS TEMPORARILY SUSPENDED FOLLOWING LOAD #52 DUE TO REPAIRS ON THE PORT DRAGARM AND ADVERSE SEA CONDITIONS. WHEN DREDGING RESUMED ON LOAD #53, BOTH DRAGARMS WERE EMPLOYED.
- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.
- BIOLOGICAL SPECIMENS OBSERVED IN SCREENING INCLUDED CLEARNOSE SKATES, A CALICO CRAB, HORSESHOE CRABS, AND WHELK.
- ABIOTIC DEBRIS REMAINED IN SCREENING CONSISTED OF ROCK, METAL, AND WOOD.
- THE MATERIAL BEING DREDGED IS MUD & SAND.

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
| ~ 1330 | T. TRUNCATUS | 1 / 1 | 33° 46.714 N 78° 02.840 W |
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**Observers Names** NIKKI DOYLE & ALI FRYE

**Observer Firm** COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# DAILY REPORT

**DATE:** 12 / 22 / 07

**Project Name:** WILMINGTON OCEAN BAR MAINTENANCE **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLDD

**Contract #** W912HN-08-C-0002 **Maintenance** X / **New Work** ____

**Load #s:** 54 - 56 **Areas worked (stations, etc):** $148^{+00}$ - $88^{+42}$

**Location, Lat/Long:** N 33° 50 . 981 x W 78 ° 01 . 667

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

**AIR TEMP:** 7-13 °C/°F **Wind Direction and Speed** NNE ~ 15-30 KTS

**WATER TEMP: Surface** 13.0 °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** ✓

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

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

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.
- DREDGING WAS SUSPENDED FROM ~0500 TO ~1200 DUE TO SEA CONDITIONS AND REPAIRS.
- BIOLOGICAL SPECIMENS OBSERVED IN SCREENING INCLUDED A FLOUNDER, CROAKERS, CLEARNOSE SKATES, HORSESHOE CRABS, AND WHELK.
- ABIOTIC DEBRIS RETAINED IN SCREENING CONSISTED OF ROCK, METAL & WOOD.
- THE MATERIAL BEING DREDGED IS MUD & SAND.

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
| NO SIGHTINGS | | / | |
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**Observers Names** GIB FRYE / NIKKI DOYLE

**Observer Firm** COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# WEEKLY SUMMARY

**Project Name:** WILMINGTON OCEAN BAR MAINT. **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLDD

**Contract #** WN1Z HN-08-C-0002 **Maintenance** X / **New Work** ____

**DATES:** 16 / DEC / 07 - 22 / DEC / 07 **LOADS #s:** 34 - 56

**Areas worked (stations, etc):** 209+00 – 148+00 AND 148+00 – 88+42

**Locations, Lat/Long:** N 33 ° 49 . 560 x W 78 ° 01 . 930

**Lat/Long:** N 33 ° 50 . 981 x W 78 ° 01 . 667

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

**Which species?** C. MYDAS

**Comments:**
- ON 12/17/07 - LOAD #38 A FRESHLY DEAD JUVENILE GREEN SEA TURTLE (C. MYDAS) WAS DISCOVERED IN THE MUD INTOW SCREENING. THE APPROPRIATE NOTIFICATIONS WERE MADE AND THE TURTLE WAS SENT TO THE BEAUFORT NATIONAL MARINE FISHERIES CENTER. FOR MORE DETAILS PLEASE SEE THE INCIDENT REPORT.
- BIOLOGICAL SPECIMENS OBSERVED IN SCREENING INCLUDE DOGFISH, FLOUNDER, CLEARNOSE SKATES, CROAKERS, HORSESHOE CRABS, CALICO CRABS, AND VARIOUS SPECIES OF GASTROPODS & BIVALVES.
- ON 12/19/07 - LOAD #45 DREDGING MOVED FROM STATIONS 209+00 - 148+00 TO STATIONS 148+00 - 88+42.
- ON 12/17/07 GIB FRYE REPLACED STACIE KNIGHT AS OBSERVER
- ABIOTIC DEBRIS RETAINED IN SCREENING CONSISTED OF PLASTIC, ROPE, ROCK, METAL, WOOD, TIRES, AND FISHING LINE.
- THE MATERIAL BEING DREDGED IS MUD & SAND.

## BRIDGE WATCH SUMMARY

| Date/Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
| NUMEROUS T. TRUNCATUS ARE ROUTINELY OBSERVED THROUGHOUT THE RANGE OF THE PROJECT AREA. | | / | |

**Observers Names** GIB FRYE / NIKKI DOYLE / STACIE KNIGHT

**Observer Firm** COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# DAILY REPORT

**DATE:** 23 / DEC / 07

**Project Name:** WILMINGTON OCEAN BAR MAINTENANCE **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLDD

**Contract #** W912HN-08-C-0002 **Maintenance** X / **New Work** ____

**Load #s:** 57 - 60 **Areas worked (stations, etc):** 148+00 - 88+42

**Location, Lat/Long:** N 33 ° 50 . 981' x W 78 ° 01 . 667'

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

**AIR TEMP:** 7-13 °C/°F **Wind Direction and Speed** 5-10 S.SE

**WATER TEMP: Surface** 13 °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))** ____

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

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.
- BIOLOGICAL SPECIMENS OBSERVED IN SCREENING INCLUDED A DOGFISH, CLEAR NOSE SKATES, HORSESHOE CRABS, AND VARIOUS SPECIES OF GASTEOPODS & BIVALVES.
- ABIOTIC DEBRIS RETRIEVED IN SCREENING WAS COMPOSED OF ROCK, PLASTIC, WOOD, FISHING LINE, AND TRASH.
- THE MATERIAL BEING DREDGED IS MUD & SAND.

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
| NO SIGHTINGS | | / | |
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**Observers Names** GIBB FRYE / NIKKI DOYLE

**Observer Firm** COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# DAILY REPORT

**DATE:** 12 / 24 / 07

**Project Name:** WILMINGTON OCEAN BAR MAINTENANCE **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLDD

**Contract #** W912HN-08-C-0002 **Maintenance** X / **New Work** ____

**Load #s:** 61 - 66 **Areas worked (stations, etc):** #61, #62, #63 148+00 — 88+42; #64 209+00 — 256+00; #65 209+00 — 330+00

**Location, Lat/Long:** N 33 ° 49 . 560 x W 78 ° 01 . 95

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

**AIR TEMP:** 8-12 (°C)/°F **Wind Direction and Speed** 0-10 WNW — 0-10 NNE

**WATER TEMP: Surface** 13.2-13.5 (°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))** ____

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

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.
- ON LOAD # 64 DREDGING WAS CONDUCTED BETWEEN STATIONS 209+00 - 256+00, AND LOAD #'S 65 & 66 BETWEEN 209+00 - 330+00.
- BIOLOGICAL SPECIMENS OBSERVED IN SCREENING INCLUDED CLEARNOSE SKATES, HORSESHOE CRABS, AND VARIOUS SPECIES OF GASTROPODS AND BIVALVES
- ABIOTIC DEBRIS RETAINED IN SCREENING CONSISTED OF TIRES, ROCK, PLASTIC, WOOD, ROPE, FISHING LINE, AND METAL.

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
| NO SIGHTINGS | | / | |
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**Observers Names** GIB FRYE / NIKKI DOYLE

**Observer Firm** COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# DAILY REPORT

**DATE:** 12 / 25 / 07

**Project Name:** WILMINGTON OCEAN BAR MAINTENANCE **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLDD

**Contract #** W912HN-08-C-0002 **Maintenance** X / **New Work** ____

**Load #s:** 67 - 72 **Areas worked (stations, etc):** STATIONS 209+00 - 350+00

**Location, Lat/Long:** N 33 ° 47 . 480 x W 78 ° 02 . 698

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

**AIR TEMP:** 8-12 °C/°F **Wind Direction and Speed** CALM TO NE 25-30 KTS

**WATER TEMP: Surface** 13.5 °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))** ____

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

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.
- BIOLOGICAL SPECIMENS OBSERVED IN SCREENING INCLUDED CHAINNOSE SKATES, CROAKERS, HORSESHOE CRABS, STARFISH, AND VARIOUS SPECIES OF GASTROPODS & BIVALVES.
- ABIOTIC DEBRIS RETAINED IN SCREENING CONSISTED OF ROCK, ROPE, PLASTIC, WOOD, TIRES, AND FISHING LINE.
- THE MATERIAL BEING DREDGED IS MUD & SAND.

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
| NO SIGHTINGS | | / | |
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**Observers Names** NIKKI DOYLE & KITS FRYE

**Observer Firm** COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# DAILY REPORT

**DATE:** 12 / 26 / 07

**Project Name:** WILMINGTON OCEAN BAR MAINTENANCE **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLDD

**Contract #** W912HN-08-C-0002 **Maintenance** X / **New Work** ____

**Load #s:** 73 - 75 **Areas worked (stations, etc):** STATIONS 209+00 – 330+00 AND 0+00 – 18+00

**Location, Lat/Long:** N 33 ° 54 . 020 x W 78 ° 00 . 560

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

**AIR TEMP:** 5-8 °C / °F **Wind Direction and Speed** ~N 10-30 KTS

**WATER TEMP: Surface** 13.5 °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))** ____

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

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.
- UPON DUMPING LOAD # 73 DREDGING WAS SUSPENDED DUE TO WEATHER CONDITIONS. DREDGING RESUMED WITH LOAD # 74 BEING DUG BETWEEN STATIONS 0+00 – 18+00.
- BIOLOGICAL SPECIMENS OBSERVED IN SCREENING INCLUDED A CLEARNOSE SKATE AND HORSESHOE CRABS.
- ABIOTIC DEBRIS RETAINED IN SCREENING WAS MINIMAL AND CONSISTED OF TIRES, WOOD, AND METAL.

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
| NO SIGHTINGS | | / | |
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**Observers Names** NIKKI DOYLE & KRIS FRYE

**Observer Firm** COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# DAILY REPORT

**DATE:** 27 / DEC / 07

**Project Name:** WILMINGTON OCEAN BAR MAINTENANCE **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLDD

**Contract #** W912HN-08-C-0002 **Maintenance** X / **New Work** ____

**Load #s:** 76 - 81 **Areas worked (stations, etc):** 0+00 – 18+00

**Location, Lat/Long:** N 33 ° 54 . 020 x W 78 ° 00 . 560

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

**AIR TEMP:** 5-9.5 (°C)/°F **Wind Direction and Speed** 0-10 N — 0-10 NE

**WATER TEMP: Surface** 13 (°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))** ____

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

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.
- BIOLOGICAL SPECIMENS OBSERVED IN SCREENING INCLUDED CLEARNOSE SKATES AND HORSESHOE CRABS.
- ABIOTIC DEBRIS RETAINED IN SCREENING WAS MINIMAL AND CONSISTED OF METAL, PLEXIGLASS, WOOD & TRASH.
- THE MATERIAL BEING DREDGED IS SAND.

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
| 0912 – 0916 | Tursiops Truncatus | 4 / 2 | Coming into Southport Channel 33°54.175' N |
| 1551 | " " | 1 / 1 | 33°49'328'N 78°02 102'W 78°01.061' W |
| | | / | Feeding |
| 1602 | Tursiops Truncatus | 1 / 6-7 | 33°47'113' 73°02.839' - enroute to dump |
| | | / | |
| | | / | |
| | | / | |

**Observers Names** NIKKI DOYLE & KIRS FIGLE

**Observer Firm** COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# DAILY REPORT

**DATE:** 12 / 28 / 07

**Project Name:** WILMINGTON OCEAN BAR MAINTENANCE **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLDD

**Contract #** W912HN-08-C-0002 **Maintenance** X / **New Work** ____

**Load #s:** 82 - 85 **Areas worked (stations, etc):** STATIONS 149+00 - 209+00

**Location, Lat/Long:** N 33 ° 49 . 495 x W 78 ° 02 . 037

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

**AIR TEMP:** 8-11 (°C)/°F **Wind Direction and Speed** NE ~ 5-15 KTS

**WATER TEMP: Surface** 13.0 (°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))** ____

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

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.
- ON LOAD #82 DREDGING RETURNED TO STATIONS 149+00 - 209+00
- UPON DUMPING LOAD #85 DREDGING WAS SUSPENDED FOR REPAIRS.
- BIOLOGICAL SPECIMENS OBSERVED IN SCREENING INCLUDED DOGFISH AND A CLEARNOSE SKATE.
- ABIOTIC DEBRIS RETAINED IN SCREENING WAS ABUNDANT AND CONSISTED OF ROCK, NET, ROPE, WOOD, AND PLASTIC.

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
| NO SIGHTINGS | | / | |
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**Observers Names** NIKKI DOYLE & TIB FRYE

**Observer Firm** COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# DAILY REPORT

**DATE:** 12 / 29 / 07

**Project Name:** WILMINGTON OCEAN BAR MAINTAINING **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLDD

**Contract #** W912HN-08-C-0002 **Maintenance** X / **New Work** ____

**Load #s:** 86 - 90 **Areas worked (stations, etc):** STATIONS 149+00 - 209+00 AND 0+00 - 18+00

**Location, Lat/Long:** N 33 • 49 . 495 x W 78 • 02 . 057

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

**AIR TEMP:** 9-14 °C/°F **Wind Direction and Speed** S ~ 10-15 KTS

**WATER TEMP: Surface** 13.0 °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))** ____

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

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.
- ON LOAD #89 DREDGING MOVED TO STATIONS 0+00 - 18+00
- BIOLOGICAL SPECIMENS OBSERVED IN SCREENING INCLUDED HORSESHOE CRABS, WHELK, AND QUAHOGS.
- ABIOTIC DEBRIS RETAINED IN SCREENING CONSISTED OF ROCK, ROPE, A CRAB POT, WOOD, PLASTIC, AND FISHING LINE.
- THE MATERIAL BEING DREDGED IS MUD & SAND IN STATIONS 149+00 - 209+00, AND SAND IN STATIONS 0+00 - 18+00

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
| NO SIGHTINGS | | / | |
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**Observers Names** NIKKI DOYLE & KITS FISKE

**Observer Firm** COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# WEEKLY SUMMARY

**Project Name:** WILMINGTON OCEAN BAR MAINT. **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLDD

**Contract #** WN12 HN-08-C-0002 **Maintenance** X / **New Work** ____

**DATES:** 12/25/07 - 12/29/07 **LOADS #s:** 57 - 90

**Areas worked (stations, etc):** STATIONS $0^{+00}$-$18^{+00}$, $88^{+42}$-$148^{+00}$, $149^{+00}$-$209^{+00}$, $209^{+00}$-$350^{+00}$

**Locations, Lat/Long:** N 33 ° 54 . 020 x W 78 ° 00 . 560

**Lat/Long:** N 33 ° 49 . 495 x W 78 ° 02 . 037

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

**Which species?** ____

**Comments:**

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.
- BIOLOGICAL SPECIMENS OBSERVED IN SCREENING INCLUDED DOGFISH, CLEARNOSE SKATES, CROAKERS, HORSESHOE CRABS, SHARPFISH, AND VARIOUS SPECIES OF GASTROPODS & BIVALVES.
- ABIOTIC DEBRIS RETAINED IN SCREENING VARIED GREATLY IN VOLUME FROM ONE DREDGE AREA TO ANOTHER, AND CONSISTED OF ROCK, METAL, ROPE, CRABPOTS, WOOD, FISHING LINE, PLASTIC, TIRES, AND OTHER ASSORTED TRASH.
- THE MATERIAL BEING DREDGED WAS MUD & SAND.

## BRIDGE WATCH SUMMARY

| Date/Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
| 12/27/07 ALL DAY | T. TRUNCATUS | 6 / 1-7 | SEEN THROUGHOUT PROJECT RANGE |
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**Observers Names** NIKKI DOYLE & LAIS FRYE

**Observer Firm** COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# DAILY REPORT

**DATE:** 30 / DEC / 07

**Project Name:** WILMINGTON OCEAN BAR MAINTENANCE **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLDD

**Contract #** WN12HN-08-C-0002 **Maintenance** X / **New Work** ____

**Load #s:** 91 - 95 **Areas worked (stations, etc):** 00+00 – 18+00 / 209+00 – 88+00

**Location, Lat/Long:** N 33 ° 54 . 020' / 33 ° 49 . 560' x W 78 ° 00 . 560' / 78 ° 01 . 667'

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

**AIR TEMP:** 9 - 12 °C / °F **Wind Direction and Speed** W-10 — N/E 0-15

**WATER TEMP:** Surface 13 (°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))** ____

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

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.
- ON LOAD #94 DREDGING MOVED TO STATIONS 88+00 - 209+00
- BIOLOGICAL SPECIMENS OBSERVED IN SCREENING INCLUDED A CLEARNOSE SKATE, HORSESHOE CRABS, WHELK, AND OYSTER SHELLS.
- ABIOTIC DEBRIS RETAINED IN SCREENING CONSISTED OF ROCK, METAL, TIRES, WOOD, PLASTIC, AND A FIREHOSE.
- THE MATERIAL BEING DREDGED IS MUD & SAND.

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
| NO SIGHTINGS | | / | |
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**Observers Names** GIB FRYE / NIKKI DOYLE

**Observer Firm** COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# DAILY REPORT

**DATE:** 31 / DEC / 07

**Project Name:** WILMINGTON OCEAN BAR MAINTENANCE **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLDD

**Contract #** W912HN-08-C-0002 **Maintenance** X / **New Work** ____

**Load #s:** 96 - 99 **Areas worked (stations, etc):** 209+00 - 88+00

**Location, Lat/Long:** N 33 ° 49 . 560' x W 78 ° 01 . 667'

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

**AIR TEMP:** 9 ~ 11 (°C)/°F **Wind Direction and Speed** WNW 10-15 → NE 5 KTS

**WATER TEMP: Surface** 13.0 (°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))** ____

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

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.
- BIOLOGICAL SPECIMENS OBSERVED IN SCREENING INCLUDED CLEARNOSE SKATES, HORSESHOE CRABS, WHELK & QUAHOG SHELLS.
- ABIOTIC DEBRIS RETAINED IN SCREENING CONSISTED OF ROCK, TIRES, WOOD, PLASTIC, AND TRASH.
- THE MATERIAL BEING DREDGED IS MUD & SAND.

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
| 1443 | Tursiops Truncatus | 1 / 3 | 33°43.388' 78°01.587' Heading westward. |
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**Observers Names** NIKKI DOYLE / GIB FRYE

**Observer Firm** COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# DAILY REPORT

**DATE:** 1 / JAN / 08

**Project Name:** WILMINGTON OCEAN BAR MAINTENANCE **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLDD

**Contract #** W912HN-08-C-0002 **Maintenance** X / **New Work** ____

**Load #s:** 100 - 104 **Areas worked (stations, etc):** 209+00 — 88+00

**Location, Lat/Long:** N 33 ° 49 . 560 x W 78 ° 01 . 667

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

**AIR TEMP:** 9-11 (°C)/°F **Wind Direction and Speed** NE-5KTS — W5KTS — 15-20 NW

**WATER TEMP: Surface** 13.0 (°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))** ____

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

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.
- BIOLOGICAL SPECIMENS OBSERVED IN SCREENING INCLUDED A DOGFISH, CLEARNOSE SKATES, HORSESHOE CRABS, WHELK, AND NUMEROUS SPECIES OF BIVALVES.
- ABIOTIC DEBRIS RETAINED IN SCREENING WAS COMPOSED OF ROCK, WOOD, PLASTIC, AND CRABPOTS.
- THE MATERIAL BEING DREDGED IS MUD & SAND.

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
| NO SIGHTINGS | | / | |
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**Observers Names** GIB FRYE — NIKKI DOYLE

**Observer Firm** COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# DAILY REPORT

**DATE:** 01 / 02 / 08

**Project Name:** WILMINGTON OCEAN BAR MAINTENANCE **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLD & D

**Contract #** WN12HN-08-C-0002 **Maintenance** X / **New Work** ____

**Load #s:** 105 - 108 **Areas worked (stations, etc):** STATIONS 0+00 - 18+00 AND 88+00 - 209+00

**Location, Lat/Long:** N 33 ° 49 . 560 x W 78 ° 01 . 667

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

**AIR TEMP:** -3°-4° °C/°F **Wind Direction and Speed** NW 5-30+ KTS

**WATER TEMP: Surface** 12.5 °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))** ____

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

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.
- DREDGING WAS SUSPENDED FROM ~0930 TO ~1915 DUE TO AMERICAN BUREAU OF SHIPPING INSPECTION.
- ON LOAD #107 DREDGING MOVED TO STATIONS 0+00 - 18+00
- BIOLOGICAL SPECIMENS OBSERVED IN SCREENING INCLUDED CLEARNOSE SKATES, HORSESHOE CRABS, WHELK & OYSTER SHELLS.
- ABIOTIC DEBRIS RETAINED IN SCREENING WAS COMPOSED OF ROCK, TIRES, WOOD, CLOTHING, AND CRABPOTS.

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
| NO SIGHTINGS | | / | |
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**Observers Names** NIKKI DOYLE & KIRS FAYE

**Observer Firm** COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# DAILY REPORT

**DATE:** 3 / JAN / 2008

**Project Name:** WILMINGTON OCEAN BAR MAINTENANCE **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLD & D

**Contract #** WN12HN-08-C-0002 **Maintenance** X / **New Work** ____

**Load #s:** 109 - 113 **Areas worked (stations, etc):** STATIONS

**Location, Lat/Long:** N 33 ° 54 . 195 x W 78 ° 01 . 095

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

**AIR TEMP:** -4 - 3 °C / °F **Wind Direction and Speed** N 15-30+ KTS

**WATER TEMP: Surface** 11.5-12.5 °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))** ____

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

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.
- BIOLOGICAL SPECIMENS OBSERVED IN SCREENING INCLUDED A CLEARNOSE SKATE, HORSESHOE CRABS, WHELK, AND VARIOUS SPECIES OF BIVALVES.
- ABIOTIC DEBRIS RETAINED IN SCREENING WAS MINIMAL, AND CONSISTED OF METAL, PLEXIGLASS, ROCK, ROPE, WOOD, RUBBER, PLASTIC, AND CRABPOTS.
- THE MATERIAL BEING DREDGED WAS SAND.

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
| 0956 | Tursiops Truncatus | 1 / 1 | 33°52.160'N 78°00.819'W Avoiding ship |
| | | / | |
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**Observers Names** GIB FRYE / NIKKI DOYLE

**Observer Firm** COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# DAILY REPORT

**DATE:** JAN / 4 / 08

**Project Name:** WILMINGTON OCEAN BAR MAINTENANCE **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLD & D

**Contract #** WN12HN-08-C-0002 **Maintenance** X / **New Work** ____

**Load #s:** 114 - 118 **Areas worked (stations, etc):** 120+00 - 236+00 (114 - 117) (118) 209+00 - 330+00

**Location, Lat/Long:** N 33 ° 49 . 401' x W 78 ° 02 . 065' 33 ° 47 . 480' 78 ° 02 698

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

**AIR TEMP:** -3 - (°C)/°F **Wind Direction and Speed** N 10-15 → CALM

**WATER TEMP:** **Surface** 11.5 (°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))** ____

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

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.
- LOADS 114 - 117 WERE DREDGED BETWEEN STATIONS 120+00 - 236+00. ON LOAD #118 DREDGING MOVED TO STATIONS 209+00 - 330+00.
- BIOLOGICAL SPECIMENS OBSERVED IN SCREENING INCLUDED DOGFISH, CLEARNOSE SKATES, HORSESHOE CRABS, AND VARIOUS SPECIES OF GASTROPODS & BIVALVES.
- ABIOTIC DEBRIS RETAINED IN SCREENING WAS HEAVY, AND CONSISTED OF ROCK, WOOD, ROPE, RUBBER TIRES, METAL, PLASTIC, CLOTHING, CRABPOTS, AND FISHING LINE.

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
| 0834 | Tursiops truncatus | 1 / 6-8 | 33°50.460' N 78°01.737 W INBOUND |
| 0849 | " " | 1 / 1 | 33°49.937 N 78°01.913 FEEDING |
| 0909 | " " | 1 / 3 | " " " |
| 1039 | " " | 1 / 3 | 33°47.882' 078°02.072 " |
| 1303 - 1305 | " " | 1-3 / 5-6 | 33°50.112' N 78°.01.867 Moving North. |
| 1537 - 1543 | " " | 2 / 5-10 | 33°43.373 78°.01.630' FEEDING — Schooling Fish. |
| 1705 - 1715 | | 3 / 2-4 | 33°47.481' 78°02.600' Moving West |

**Observers Names** GIB FRYE & NIKKI DOYLE

**Observer Firm** COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# DAILY REPORT

**DATE:** JAN. / 5 / 2008

**Project Name:** WILMINGTON OCEAN BAR MAINTENANCE **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLD & D

**Contract #** WN1ZHN-08-C-0002 **Maintenance** X / **New Work** ___

**Load #s:** 119 - 122 **Areas worked (stations, etc):** (119-121) 209+00 - 330+00 (122 - 88+00 - 149+00

**Location, Lat/Long:** N 33 (33) ° 50 (47) . 287 (480) x W 78 (78) ° 01 (02) . 796 (698)

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

**AIR TEMP:** 3-9 (°C)/°F **Wind Direction and Speed** CALM — 10 NNE

**WATER TEMP: Surface** 11.5 - 10.5 (°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))** ___

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

- NO INCIDENTS INVOLVING PROTECTED SPECIES OCCURRED.
- DREDGING WAS SUSPENDED FROM ~ 0900 TO ~ 1530 DUE TO REPAIRS ON THE TURTLE EXCLUDER DEVICE.
- DREDGING MOVED TO STATIONS 88+42 - 149+00 ON LOAD #122.
- BIOLOGICAL SPECIMENS OBSERVED IN SCREENING INCLUDED DOGFISH SHARKS, CLEAR NOSE SKATES, HORSESHOE CRABS, AND VARIOUS SPECIES OF GASTROPODS & BIVALVES.
- ABIOTIC DEBRIS RETAINED IN SCREENING WAS HEAVY, AND CONSISTED OF ROCK, METAL, TIRES, ROPE, PLASTIC, WOOD, CLOTHING, AND CRABPOTS.

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
| 0902 — | ~~[illegible]~~ | / | NUMEROUS sightings around dredge |
| Whilst at anchor | Tursiops truncatus | / | 33°43.131' 78°01.841' |
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**Observers Names** GIB FRYE & NIKKI DOYLE

**Observer Firm** COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# DAILY REPORT

**DATE:** 01 / 06 / 08

**Project Name:** WILMINGTON OCEAN BAR MAINTENANCE **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLD & D

**Contract #** WN12HN-08-C-0002 **Maintenance** X / **New Work** ____

**Load #s:** 123 - 127 **Areas worked (stations, etc):** 88 +00 — 149 +00 (123-126) / (127) 00 +00 - 18 +00

**Location, Lat/Long:** N 33 ° 50 . 207 x W 78 ° 01 . 796
33 ° 54 . 020 78 ° 00 . 560

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

**AIR TEMP:** 9-19 (°C)/°F **Wind Direction and Speed** NE - 5 KTS

**WATER TEMP: Surface** 11 (°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))** ____

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

NO INCIDENTS INVOLVING PROTECTED SPECIES

MATERIAL DREDGED WAS MUD & SAND

BIOTIC SPECIES RETAINED IN SCREENING WERE: HORESHOE CRABS, CLEARNOSE SKATES, DOGFISH SHARKS, BIVALVES, WHELKS

ABIOTIC MATERIALS INCLUDED: ROCK, FISHING LINE, ROPE, PLASTIC, METAL, TYRES, WOOD

AFTER LOAD #126 WE MOVED TO STATION 00 - 18 +00

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
|---|---|---|---|
| 1623 | tursiops truncatus | 1 / 3 | 33°54.385' 78°01.161' Moving into channel northward |
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**Observers Names** GIB FRYE & NIKKI DOYLE

**Observer Firm** COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# DAILY REPORT

**DATE:** 8 / JAN / 08 - 14 - JAN - 08

**Project Name:** WILMINGTON ENTRANCE CHANNEL **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLDD

**Contract #** W912-08-C-0002 **Maintenance** X / **New Work** ____

**Load #s:** N/A - ____ **Areas worked (stations, etc):** N/A

**Location, Lat/Long:** N N/A ° ____ . ____ x W ____ ° ____ . ____

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

**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):**

- DREDGE WAS AT THE DOCK FOR REPAIRS

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
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**Observers Names** ____

**Observer Firm** COASTWISE CONSULTING

ENDANGERED SPECIES OBSERVER PROGRAM

# DAILY REPORT

**DATE:** 15 / JAN / 08

**Project Name:** WILMINGTON ENTRANCE CHANNEL **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLDD

**Contract #** 72115 **Maintenance** X / **New Work** ____

**Load #s:** 131 - ____ **Areas worked (stations, etc):** STATIONS 123+00 - 153+00

**Location, Lat/Long:** N 33 ° 50 . 534 x W 78 ° 01 . 728

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

**AIR TEMP:** 35 °C / (°F) **Wind Direction and Speed** NNW 10 KTS

**WATER TEMP:** **Surface** 7.2 (°C) / °F **Column (mid-depth)** ____ °C / °F **Bottom** ____ °C / °F

**Condition of deflector:** Good **Condition of screening:** Good

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

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

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

- MATERIAL DREDGED WAS MUD
- MATERIAL FOUND IN SCREENING: WOOD, TRASH, SEA PORK
- WOOD IS CLOGGING INFLOW BOX CONTINUALLY DURING LOADING

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
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**Observers Names** STAKIE KNIGHT

**Observer Firm** COASTWISE CONSULTING

**ENDANGERED SPECIES OBSERVER PROGRAM**

# DAILY REPORT

**DATE:** 16 / JAN / 08

**Project Name:** WILMINGTON ENTRANCE Channel **USACE District:** WILMINGTON

**Dredge Name:** LIBERTY ISLAND **Dredge Firm:** GLDD

**Contract #** 72115, W912HN-08-C0002 **Maintenance** X / **New Work** ____

**Load #s:** 132 - 134 **Areas worked (stations, etc):** STATIONS 12,700 - 153+00

**Location, Lat/Long:** N 33 ° 50 . 524 x W 78 ° 01 . 728

**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** NE 5-10 KTS

**WATER TEMP:** **Surface** 7.2 (°C)/°F **Column (mid-depth)** ____ °C/°F **Bottom** ____ °C/°F

**Condition of deflector:** Good **Condition of screening:** Good

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

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

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

- MATERIAL DREDGED WAS MUD
- MATERIAL FOUND IN SCREENING: WOOD, SEA POOK, HORSESHOE CRAB
- SMALL HATCH OPEN IN INFLOW SCREENING DUE TO CONSTANT CLOGGING WITH WOOD DURING LOADING. INFLOW SCREENING IS AT 35% AND OUTFLOW SCREENING IS 100%

## BRIDGE WATCH SUMMARY

| Time | Species | # Sightings/# Animals | Location/Comments |
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**Observers Names** STACIE KNIGHT

**Observer Firm** COASTWISE CONSULTING