ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: WILMINGTON, NC

PROJECT NAME: MOREHEAD CITY INNER BAY DREDGE NAME: M/V McFARLAND, USACE

Date: 21 MAR 08 Load #s: 1 - 5 Areas dredge worked: EAST LEG ; WEST LEG

Weather conditions: SUNNY to PARTLY CLOUDY Through the day ; CLEAR Night

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

AIR TEMP: 58-62 °C (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 57-61 °C (°F) Column (mid-depth) ___ °C/°F Bottom ___ °C/°F (unavailable)

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):

LOAD #1 - paint test passed (Wilm. Dist. Reps onboard)

Material dredged was fine sand and silt with minor debris.

BIOTA OBSERVED IN SCREENS INCLUDED:

RAYS and SKATES, HORSESHOE CRABS, WHELKS AND RAZOR CLAMS

(NO ENDANGERED SPECIES SIGHTINGS OR INCIDENTS)

BRIDGE WATCH SUMMARY

Time	Species	# Sightings	# Animals	Location/Comments
0950	Tursiops truncatus	multi.	15-20	CHANNEL & INNER HARBOR
1330	T. truncatus	1	aprox. 10	CH. MRKR. 15
1758	T. truncatus	1	" 6	WEST LEG INNER HARBOR

Observer name B. Davis / Z. Sheller

REMSA, Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: WILMINGTON, NC

PROJECT NAME: MOREHEAD CITY INNER HARBOR **DREDGE NAME:** M/V McFARLAND, USACE

Date: 22 MAR 08 **Load #s:** 6-11 **Areas dredge worked:** WEST LEG & EAST LEG

Weather conditions: Clear & Sunny — Partly Cloudy Through the Day, Breezy

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

AIR TEMP: 58-64 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 57-58 °C/(F) **Column (mid-depth)** unavailable °C/°F **Bottom** unavailable °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 SAND & SILT WITH MINOR DEBRIS

BIOTA IN SCREENS INCLUDED:
35 Horseshoe CRABS
1 Lightning whelk
3 Clearnose SKATE

No endangered species incidents or sightings.

LOST 1 DRAGHEAD @ 2245 (MECHANICAL REPAIR IN PROGRESS)
(PUMP OVERHEATING) EN ROUTE TO DISPOSAL AREA

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0733	T. truncatus	1 / 3	@ MARKER 21 OFF Ft. MACON USCG
0950	T. truncatus	1 / 4	OFF Ft. MACON USCG STATION
1235	T. truncatus	multiple / 4	OFF the EAST leg Dock
1603	T. truncatus	2 / 2	@ channel marker #17
1914	T. truncatus	1 / 3	@ channel marker #22
1920	T. truncatus	multiple / 3	IN West Leg of Inner Harbor
		/	
		/	
		/	
		/	
		/	
		/	
		/	
		/	

Observer name B. DAVIS / Z. SHELLER

REMSA, INC.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: WILMINGTON, NC

PROJECT NAME: MOREHEAD CITY INNER HARBOR **DREDGE NAME:** M/V McFARLAND USACE

Date: 23 MAR 08 **Load #s:** 12-16 **Areas dredge worked:** EAST LEG & WEST LEG

Weather conditions: CLEAR & SUNNY → to PARTLY CLOUDY WITH WINDS INCREASING and AIR TEMP DECREASING

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

AIR TEMP: 48-63 ~~°C~~/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 56-59 ~~°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** ✓

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

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

Dredged material continues to be fine silt and sand.

Debris observed included wood, rubber, fiberglass panels, and scrap metal. Debris is minor and is not a problem.

Biota observed in screens is minor to moderate and consists mainly of skates and horseshoe crabs, especially in EAST LEG dredge area.

WEST LEG dredge area appears to be less populated w/ crabs and skates, based on biota observed thus far.

NO ENDANGERED SPECIES INCIDENTS OR SIGHTINGS.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0931	T. truncatus	1 / 2	EAST Leg of channel
1220	T. truncatus	1 / 3	(P) channel marker #7
1900	T. truncatus	Multiple / 4	(S) channel marker #22
		/	
		/	
		/	
		/	
		/	
		/	
		/	
		/	
		/	
		/	
		/	

Observer name B. DAVIS / Z. SHELLER

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: WILMINGTON, NC

PROJECT NAME: Morehead City Inner Harbor **DREDGE NAME:** M/V McFarland, USACE

Date: 24 MAR 08 **Load #s:** 17 - 21 **Areas dredge worked:** East Leg

Weather conditions: Mostly Clear in the morning to mostly cloudy as day progressed then turned to mostly clear again

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

AIR TEMP: 47-62 °C (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 56-58 °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 fine sand and silt with minor to moderate amount of debris. Debris is not preventing observer inspection of screen baskets.

Biota observed in screens continues to be primarily Atlantic Stingrays and Clearnose Skates with Horseshoe crab. Occasionally whelks and bivalves are observed in small numbers. No marine vegetation was observed in screens.

Debris and trash removed and bagged for disposal by observers includes wire, fiberglass, plastic and rubber.

NO ENDANGERED SPECIES INCIDENTS OR SIGHTINGS.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0859	T. truncatus	1 / 2	Southbound crossing channel @ Green 9
1634	T. truncatus	1 / 2	@ channel Marker #16
1817	T. truncatus	multiple / 6	Foraging @ the EAST &
1845	T. truncatus	multiple / 3	WEST LEG JUNCTION
		/	
		/	
		/	
		/	
		/	
		/	
		/	
		/	
		/	
		/	

Observer name Z. Sheller / B. Davis, REMSA.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: WILMINGTON, NC

PROJECT NAME: MOREHEAD CITY INNER HARBOR **DREDGE NAME:** M/V McFARLAND

Date: 25 MAR 08 **Load #s:** 22 - 25 **Areas dredge worked:** EAST LEG

Weather conditions: MOSTLY CLEAR TO CLEAR

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

AIR TEMP: 42-61 °~~C~~ (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 57 - 59 °~~C~~ (°F) **Column (mid-depth)** unavailable °~~C~~ °F **Bottom** unavailable °~~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 - FINE SAND AND SILT WITH MODERATE TO LIGHT DEBRIS. OBSERVERS ARE NOT BEING HAMPERED BY DEBRIS IN SCREEN.

DEBRIS INCLUDES FIBERGLASS PANELS, RUBBER, METAL, PLASTIC, WOOD AND FISHING LINE.

BIOTA IN SCREENS INCLUDED ATLANTIC RAYS (7), CLEARNOSE SKATES (3), HORSESHOE CRAB (23), SMOOTH DOGFISH (2), AND THE OCCASIONAL BIVALVE. MARINE VEGETATION IS VERY MINIMAL TO ABSENT IN LOADS.

THERE WERE NO ENDANGERED SPECIES INCIDENTS OR SIGHTINGS.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1132	T. truncatus	multiple / 4	@ BRIDGE IN EAST LEG
1205	T. truncatus	2 / 2	@ green channel marker # 17
1211	T. truncatus	multiple / 2	@ RED channel marker # 12
1218	T. truncatus	multiple / 5	@ RED channel marker # 8
1347	T. truncatus	multiple / 4	@ RED channel marker # 8
1352	T. truncatus	multiple / 4	around RED channel marker # 10
1357	T. truncatus	multiple / 10	around RED CM # 12
1801	T. truncatus	multiple / 4	around CM # 7 & 8
1944	T. truncatus	1 / 4	@ CM # 19
1950	T. truncatus	1 / 5	HEADED SOUTH out the channel
		/	
		/	
		/	
		/	

Observer name B. DAVIS / Z. SHELLER, REMSA, Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Wilmington, NC

PROJECT NAME: Morehead City Inner Harbor **DREDGE NAME:** M/V McFarland

Date: 26 MAR 08 **Load #s:** 26-30 **Areas dredge worked:** East & West Leg

Weather conditions: Clear & Partly Cloudy

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

AIR TEMP: 53-62 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 57-59 °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):

MATERIAL IS FINE SAND AND SILT WITH DEBRIS.

DEBRIS MODERATE = metal, plastic, fiberglass, rubber

BIOTA IN SCREENS = 5 ATLANTIC STINGRAYS,
23 HORSESHOE CRABS
3 CLEARNOSE SKATES
BIVALVE SHELLS, 1 LIGHTNING WHELK, 1 KNOBBED WHELK

DEBRIS ALSO INCLUDED WOOD, FISHING LINE & TACKLE

NO ENDANGERED SPECIES INCIDENTS OR SIGHTINGS

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0750	T. truncatus	multiple / 2	Foraging in inner harbor [East & Cent Cr]
1244	T. truncatus	1 / 4	North bound in channel
1615	T. truncatus	1 / 2	East Leg
1738	T. truncatus	1 / 1	East Leg
		/	
		/	
		/	
		/	
		/	
		/	
		/	
		/	
		/	
		/	

Observer name B. Davis / Z. Sheller REMSA, Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Wilmington, NC

PROJECT NAME: Morehead City Inner Harbor **DREDGE NAME:** McFarland

Date: 27 MAR 08 **Load #s:** 31 - 35 **Areas dredge worked:** East & West Leg

Weather conditions: Clear

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

AIR TEMP: 59-66 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 57-59 °C/(°F) **Column (mid-depth)** unavailable °C / °F **Bottom** unavail. °C / °F

Condition of deflector: Good **Condition of screening:** Fair to Good: (see below) *

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 fine sand and silt with light to moderate debris.

* On Load # 34 observer noticed some damage to screens in floor of inflow pipes leading to screen baskets. Dredge Capt. and Corps Dist. Biologist were notified and it was decided that repairs would be made as soon as is safely possible at first light. No evidence of turtle parts present.

Debris in screens included wood, metal, plastic & rubber items.

Biota in screens included 4 Atlantic Stingrays, 1 Clearnose Skate, 17 Horseshoe Crabs, bivalve shells, 2 Common Spider Crabs, 2 Channel Whelks, and one Lightning Whelk. Dragheads were brought aboard for checks each load.

No endangered species incidents or sightings.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0645	T. truncatus	multiple / 3-5	Foraging off fuel dock AREA
1140	T. truncatus	1 / 2	Bird RIDING OFF FUEL DOCK
1912	T. truncatus	multiple / 12	around green channel marker #21
1912	T. truncatus	1 / 4	NEAR BRANDT ISLAND BEACH
1920	T. truncatus	1 / 3	NEAR GREEN #19
		/	
		/	
		/	
		/	
		/	
		/	
		/	
		/	
		/	

Observer name B. Davis / Z. Sheller

REMSA, Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE DISTRICT: WILMINGTON, NC

PROJECT NAME: MOREHEAD CITY INNER HARBOR **DREDGE NAME:** M/V McFARLAND, USACE

Dates: 21 MAR 08 - 27 MAR 08 **Load #s:** 1 - 35

Areas dredge worked: EAST LEG & WEST LEG OF INNER HARBOR

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

Which species? n/a

Comments: Dredged material was fine sand with silt and moderate debris.

Debris included wood, plastic, metal, fiberglass, rope, fabric & fishing line.

Biota in screens included Atlantic Stingrays, Clearnose Skates, Spider and Horseshoe crabs, Gastropods and Bivalves in small numbers. Two Smooth Dogfish and one Greysole Flounder were observed in screens.

On LOAD #34 damage was discovered to screens in floor of intake chutes leading to main screening baskets. Dredge Capt. and Corps District Biologist were notified and it was decided that repairs would be made as soon as is safely possible at first light on 28MAR08. No evidence of turtle parts in damaged screens was observed.

There were NO INCIDENTS OR SIGHTINGS of endangered species.

BRIDGE WATCH SUMMARY

Date/Time	Species	# Sightings/# Animals	Location/Comments
21MAR 08, all day	T. truncatus	multiple / 15-20	all over harbor and channel daily:
22 MAR 08 "	"	" / "	(especially @ junction of
23 MAR 08 "	"	" / "	east and west legs)
24 MAR 08 "	"	" / "	
25 MAR08 "	"	" / "	Dolphins do not appear to be
26 MAR 08 "	"	" / "	affected by dredge ops
27 MAR08 "	"	" / "	
		/	
		/	
		/	
		/	
		/	
		/	
		/	
		/	

Observer name B. DAVIS / Z. SHELLER

R.E.M.S.A., Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: WILMINGTON, NC

PROJECT NAME: MOREHEAD CITY INNER HARBOR **DREDGE NAME:** M/V McFARLAND

Date: 28 MAR 08 **Load #s:** 36 - 43 **Areas dredge worked:** WEST LEG

Weather conditions: CLEAR SKYS

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

AIR TEMP: 61-68 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 57-59 °C/(F) **Column (mid-depth)** unavailable °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 - FINE SAND, SILT AND DEBRIS

WEST LEG - VERY LIGHT DEBRIS AND BIOTA: 1 JUVENILE FLATFISH, 6 HORSESHOE CRABS

REPAIRS TO WORN SCREENS IN FLOOR OF DISTRIBUTION PIPE BEGAN AT FIRST LIGHT AND WERE COMPLETE BY 1100 HRS. DISTRICT BIOLOGIST D. PIATKOWSKI ADVISED BY E-MAIL.

NO INCIDENTS OR SIGHTINGS INVOLVING ENDANGERED SPECIES.

BEAUFORT STATES ABOVE INCLUDE HIGHER SEAS ENCOUNTERED ON TRANSIT TO DISPOSAL AREA OFFSHORE.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1154	T. truncatus	1 / 2	NEAR green channel marker # 21
1307	T. truncatus	1 / 7	(2) channel markers # 7 & 8
1444	"	multiple / 3	WEST Leg
1528	"	1 / 6	(2) green channel marker # 17
1534	"	1 / 1	(2) Red channel marker # 11
1548	"	1 / 7	(2) channel marker # 7 & 8
		/	
		/	
		/	
		/	
		/	
		/	
		/	
		/	

Observer name B. DAVIS / Z. SHELLER

REMSA, INC

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: WILMINGTON, NC

PROJECT NAME: MOREHEAD CITY INNER HARBOR **DREDGE NAME:** M/V McFARLAND

Date: 29 MAR 08 **Load #s:** 44-50 **Areas dredge worked:** WEST LEG & RANGE C

Weather conditions: MOSTLY CLEAR TO OVERCAST ; BREEZY & COOLER

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

AIR TEMP: 48-62 °~~C~~/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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):

DREDGED MATERIAL - FINE SAND / SILT w/ DEBRIS

BIOTA IN SCREENS VERY MINIMAL - 17 HORSESHOE CRABS & BROKEN BIVALVE SHELLS

DEBRIS OBSERVED - WOOD, PLASTIC PRODUCTS, FABRIC, METAL

BRIEF WEATHER DELAY: 0610-0741, HIGH SEAS AND WIND to 30 Kt.

NO ENDANGERED SPECIES INCIDENTS OR SIGHTINGS

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1253	T. truncatus	multiple / 8+	@ junction of EAST & WEST Leg
1545	"	multiple / 8+	Foraging in EAST LEG
1814	"	1 / 1	OFF SHAKELFORD POINT

Observer name BRAD DAVIS / ZACH SHELLER

REMSA, INC.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: WILMINGTON, NC

PROJECT NAME: MOREHEAD CITY INNER HARBOR **DREDGE NAME:** M/V McFARLAND, USACE

Date: 30 MAR 08 **Load #s:** 51-54 **Areas dredge worked:** WEST LEG & RANGE "C"

Weather conditions: RAIN, WIND - BUILDING SEAS

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

AIR TEMP: 48-52 °C (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)) unavailable

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):

DREDGED MATERIAL WAS FINE SAND, SILT AND DEBRIS.

BIOTA OBSERVED IN SCREENS INCLUDED: 14 ATLANTIC HORSESHOE CRABS, 1 CHANNELED WHELK (released alive, apparently undamaged), BROKEN BIVALVE SHELLS, 1 LIGHTNING WHELK

DEBRIS WAS METAL, PLASTIC, WOOD, FIBERGLASS, ROPE, FISHING LINE

WIND AND SEAS BUILDING AFTER MID DAY - GUSTS 30+ Kt. AND FORECAST IS FOR POOR WEATHER TO CONTINUE. DREDGE STANDING BY OFFSHORE BRIEFLY UNTIL CONDITIONS ARE SAFER TO WORK. OBSERVERS ARE MAINTAINING THEIR BRIDGE WATCHES.

NO ENDANGERED SPECIES INCIDENTS OR SIGHTINGS

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0734 - 0830	T. truncatus	1 / 3-5	Inner Harbor - edge of Range C
1158	T. truncatus	1 / 1	mid channel, near Marker 7
		/	
		/	
		/	
		/	
		/	
		/	
		/	
		/	
		/	
		/	
		/	
		/	

Observer name B. Davis / Z. Sheller REMSA, Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: WILMINGTON NC

PROJECT NAME: MOREHEAD CITY INNER HARBOR **DREDGE NAME:** M/V McFARLAND

Date: 31 MAR 08 **Load #s:** 55-57 **Areas dredge worked:** RANGE "C" & R.I.T.

Weather conditions: OVERCAST WITH RAIN SHOWERS EARLY TO PARTLY CLOUDY CONDITIONS LATER IN THE DAY; NIGHT = INTERMITTENT SHOWERS

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

AIR TEMP: 60-66 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 56.5-58 °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):

- WEIGHED ANCHOR @ 0715 FROM WX STANDBY OFFSHORE
- DREDGED MATERIAL WAS SAND, SILT, AND CLAY WITH MINOR DEBRIS
- BIOTA OBSERVED IN SCREENS INCLUDED: 39 Horseshoe CRABS, 1 clearnosed SKATE 1 ATLANTIC STINGRAY

DEBRIS WAS: METAL, WOOD, FIBERGLASS, CABLE, RUBBER, MONOFILAMENT AND PLASTIC COATED WIRE

NO ENDANGERED SPECIES INCIDENTS OR SIGHTINGS

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0832 - 0841	T. truncatus	multiple / 2	INNER HARBOR
1319	T. truncatus	multiple / 1	WEST LEG
1400	"	multiple / 2	EAST LEG
1509	"	1 / 2	@ green channel marker = 29
1820 - 1900	"	multiple / 2-6	foraging in WEST & EAST LEGS
		/	
		/	
		/	
		/	
		/	
		/	
		/	
		/	
		/	

Observer name BRAD DAVIS / ZACH SHELLER

REMSA, INC

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: WILMINGTON, NC

PROJECT NAME: Morehead City Inner Harbor **DREDGE NAME:** McFarland USACE

Date: 01 APR 08 **Load #s:** 58-62 **Areas dredge worked:** Range C

Weather conditions: Clear to Fresh Breeze & Rain

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

AIR TEMP: 60-66 °C (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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 fine sand, silt, some clay & debris.

Debris included metal, rubber, plastic, fabric & fiberglass.

Biota in screens included Atlantic Horseshoe Crabs (27) & bivalve and gastropod shells. Bivalves were Southern Quahog & Bay Scallops. Gastropods were Channeled Whelks.

Dredge anchored offshore after 1008 dump to make repairs. Weighed anchor @ 1750 and resumed work in Range C.

No endangered species incidents or sightings.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
No Sightings This Date		/	
		/	
		/	
		/	
		/	n/a
		/	
		/	
		/	
		/	
		/	
		/	
		/	
		/	
		/	

Observer name B. Davis / Z. Sheller, REMSA, Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: WILMINGTON NC

PROJECT NAME: MOREHEAD CITY INNER HARBOR **DREDGE NAME:** M/V M. FARLAND

Date: 02 APR 08 **Load #s:** 63 - 67 **Areas dredge worked:** RANGE "C" & RIT

Weather conditions: clear to mostly cloudy, windy

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

AIR TEMP: 56-63 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)) (unavailable)

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):

DREDGED MATERIAL - FINE SAND, SILT, MUD/CLAY w/ DEBRIS

DEBRIS WAS METAL, PLASTIC, FABRIC, FIBERGLASS, RUBBER, FISHING LINE, ROPE

BIOTA IN SCREENS - HORSESHOE CRABS (58), CLEARNOSE SKATES (4), ATLANTIC STINGRAYS (2), SMOOTH DOGFISH (1), BIVALVE SHELLS, 1 KNOBBED WHELK, VARIOUS BROKEN SHELL FRAGMENTS.

NO ENDANGERED SPECIES INCIDENTS OR SIGHTINGS.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0820	T. truncatus	1 / 2	OFF FT. MACON USCG STATION
1340	"	multiple / 3	WEST LEG
1430	"	multiple / 2	FUEL DOCK
1500	"	multiple / 2	EAST & WEST LEG
1810	"	multiple / 2	RANGE "C"
		/	
		/	
		/	
		/	
		/	
		/	
		/	
		/	
		/	

Observer name BRAD DAVIS / ZACH SHELLER

REMSA, INC.

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: WILMINGTON, NC

PROJECT NAME: MOREHEAD CITY INNER HARBOR **DREDGE NAME:** m/v McFARLAND

Date: 03 APR 08 **Load #s:** 68 - 72 **Areas dredge worked:** RANGE "C" & RIT

Weather conditions: CLOUDY TO RAIN SHOWERS AND OVERCAST SKIES

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

AIR TEMP: 50 - 63 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 56 - 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):

DREDGE MATERIAL INCLUDED CLAY GLOBS, MUD, SAND, & SILT W/ DEBRIS

BIOTA OBSERVED INCLUDED: 26 Horseshoe CRAB, 1 BLUE CRAB, 2 ATLANTIC STINGRAYS 8 clearnosed SKATES, 3 LIGHTNING WHELKS, & VARIOUS BIVALVE & GASTROPODA SHELLS

DEBRIS WAS METAL, PLASTIC, RUBBER, ROPE, MONOFILAMENT, CRAB POTS,

NO ENDANGERED SPECIES INCIDENTS OR SIGHTINGS

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0730	T. truncatus	1 / 1	Just South of Highway BRIDGE
1030	Wild Ponies	1 / 20	SHACKLEFORD BANKS
1157	T. truncatus	multiple / 2	RANGE "C" & RIT
1450	T. truncatus	1 / 4	RANGE "C"
1642	T. truncatus	1 / 4	RANGE "C"
1646	T. truncatus	1 / 1	EAST LEG
		/	
		/	
		/	
		/	
		/	
		/	
		/	
		/	

Observer name BRAD DAVIS / ZACH SHELLER

REMSA, INC

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: Wilmington, NC

PROJECT NAME: Morehead City Inner Harbor **DREDGE NAME:** McFarland, USACE

Date: 04 APR 08 **Load #s:** 73 ONLY **Areas dredge worked:** RANGE C

Weather conditions: Mostly clear with fog developing after 0530 hrs.

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

AIR TEMP: 64 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)) (unavailable)

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

Condition of deflector: GOOD BOTH **Condition of screening:** GOOD ALL

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): (FINAL LOAD)

DREDGED MATERIAL WAS SAND, SILT & DEBRIS.

DEBRIS INCLUDED METAL, PLASTIC, AND FISHING LINE.

BIOTA OBSERVED IN SCREENS: 9 ATLANTIC HORSESHOE CRABS, 1 ATLANTIC STINGRAY, AND BROKEN BIVALVE SHELLS.

NO ENDANGERED SPECIES INCIDENTS OR SIGHTINGS.

END OF PROJECT

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
NO SIGHTINGS			n/a

Observer name Bradley Davis / Zach Sheller
REMSA, Inc.

ENDANGERED SPECIES OBSERVER PROGRAM

WEEKLY SUMMARY

USACE DISTRICT: WILMINGTON, NC

PROJECT NAME: MOREHEAD CITY INNER HARBOR DREDGE NAME: M/V McFARLAND

Dates: 28 MAR 08 - 04 APR 08 Load #s: 36-73

Areas dredge worked: EAST & WEST LEGS, RANGE "C" & R.I.T.

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

Which species? n/a

Comments: DREDGED MATERIAL WAS: FINE SAND, SILT, CLAY & DEBRIS

DEBRIS INCLUDED: METAL, PLASTIC, FIBERGLASS, FABRIC & MONOFILAMENT

BIOTA IN SCREENS INCLUDED: ATLANTIC HORSESHOE CRABS (169), ATLANTIC STINGRAYS (7), CLEARNOSE SKATES (14), SMOOTH DOGFISH (1), FLATFISH (1), NUMEROUS SOUTHERN QUAHOGS & BAY SCALLOP SHELLS WITH FREQUENTLY PRESENT GASTROPODS: CHANNELED, KNOBBED & LIGHTNING WHELKS.

Turisops Truncatus present in harbor daily.

NO ENDANGERED SPECIES INCIDENTS OR SIGHTINGS

END OF PROJECT

BRIDGE WATCH SUMMARY

Date/Time	Species	# Sightings/# Animals	Location/Comments
28 MAR 08, ALL DAY	T. truncatus	multiple	Animals present in inner harbor and channel multiple times each day. Groups of 2 to over 20 at various times.
29 MAR 08, "	"	"	
30 MAR 08, "	"	"	
31 MAR 08, "	"	"	
01 APR 08, "	"	"	
02 APR 08, "	"	"	
03 APR 08, "	"	"	
04 APR 08, "	NO SIGHTINGS	—	n/a

END OF PROJECT

Observer name BRAD DAVIS / ZACH SHELLER

REMSA, INC.