ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL / CHESAPEAKE BAY

DAILY REPORT

Date 04 / 12 / 02 Load Numbers 654

Area(s) Worked 46+00 TO 96+00

Weather Conditions (incl. sea conditions) WINDS EAST 5-10K; SEAS 2-3 FT, SKIES P. CLOUDY

Range of Water Temp., Surface 52° F Below Mid-Depth 52° F

Condition and Effectiveness of Screening EXCELLENT AIR TEMP 72° F

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

OBSERVER BRETT JOHNSON FROM COASTWISE CONSULTING BOARDED DREDGE BAYPORT AT APPROXIMATELY 1430 HRS. DREDGE IN TRANSIT TO DIG AREA. DREDGING OPERATIONS COMMENCED WITH LOAD # 654 AT 1555 HRS. DREDGE MATERIAL FINE, CLEAN SAND WITH SOME MUD.

BIOLOGICAL SPECIMENS INCLUDE NUMEROUS HORSESHOE CRABS AND OTHER VARIOUS AND ASSORTED CRABS AND SHELL. NUMEROUS SEA STAR, WHELK SHELL AND WHELK EGG CASINGS, FLOUNDER AND SKATES.

ABIOTIC SAMPLES INCLUDE WOOD, ROCK AND VARIOUS TRASH.

SCREENING AND DEFLECTORS IN EXCELLENT CONDITION.

THERE WERE NO INCIDENTS NOR SIGHTINGS INVOLVING ENDANGERED SPECIES.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
NO SIGHTINGS		

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL / CHESAPEAKE BAY

DAILY REPORT

Date 04 / 13 / 02 Load Numbers 657 - 659

Area(s) Worked 46^{+00} TO 96^{+00}

Weather Conditions (incl. sea conditions) CLEAR + P. CLOUDY; WINDS E/SE 5-15K; SEAS 2-4 FT.

Range of Water Temp., Surface 52° - 54° F Below Mid-Depth 52° - 53° F

Condition and Effectiveness of Screening EXCELLENT AIR TEMP 64 - 70° F

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGE CONTINUES TO WORK 46^{+00} TO 96^{+00}. SCREENING AND DEFLECTORS IN GOOD SHAPE. DREDGE MATERIAL FINE, CLEAN SAND W/ SOME MUD.

SEA CONDITONS INCREASING IN AFTERNOON WITH SOME LIGHT RAIN.

ABIOTIC SAMPLES CONSIST OF WOOD, ROCK, PLASTIC AND OTHER VARIOUS TRASH. BIOLOGICAL SPECIMENS INCLUDE NUMEROUS HORSESHOE CRABS AS WELL AS OTHER VARIOUS AND ASSORTED CRABS. ALSO NUMEROUS AMOUNTS OF SEA STAR, SKATES, WHELK SHELL AND WHELK EGG CASINGS. FLOUNDER AND 2 SPINY DOGFISH ALSO SAMPLED.

THERE WERE NO INCIDENTS NOR ANY SIGHTINGS OF ENDANGERED SPECIES.

* RADIO BROADCAST TO MARINERS REPORTS OF RIGHT WHALE (Eg.) ENTANGLED W/ BUOYS ATTACHED OFF OF CAPE HATTERAS COASTLINE. EXPECTED TO PASS VA. COAST.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
NO SIGHTINGS		

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL / CHESAPEAKE BAY

DAILY REPORT

Date 04 / 14 / 02 Load Numbers 663-665

Area(s) Worked 46+00 TO 96+00 GREEN + RED TOW LINES

Weather Conditions (incl. sea conditions) CLEAR + P. CLOUDY; WINDS W → SE 5-15K; SEAS 1-2 FT.

Range of Water Temp., Surface 53° F Below Mid-Depth 53° F

Condition and Effectiveness of Screening GOOD AIR TEMP 68°-74° F

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGE CONTINUES TO WORK 46+00 TO 96+00, GREEN AND RED TOW LINES. SEA CONDITIONS INCREASING IN AFTERNOON, WINDS TO 15 KNOTS. ABIOTIC SAMPLES CONSIST OF ROCK, WOOD, PLASTIC W/ OTHER MISCELLANEOUS TRASH. BIOLOGICAL SPECIMENS INCLUDE NUMEROUS AND VARIOUS CORALS, SEAGRASSES, SHELL, SEA STARS AND CRABS. SAMPLING ALSO INCLUDES NUMEROUS HORSESHOE CRABS, FLOUNDER, AND SKATES.

SCREENING AND DEFLECTORS REMAIN IN GOOD SHAPE. DREDGE, AT TIMES, PICKING UP CONSIDERABLE AMOUNTS OF ROCK, LARGE AND SMALL, IN SOME INSTANCES CLOGGING THE BOXES COMPLETELY AND REQUIRING CLEARING DURING LOAD. SAMPLING EFFECTIVENESS STILL REMAINS EXCELLENT. DREDGE MATERIAL FINE, CLEAN SAND WITH SOME MUD.

THERE WERE NO INCIDENTS NOR ANY SIGHTINGS OF ENDANGERED SPECIES.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
NONE		

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL / CHESAPEAKE BAY

DAILY REPORT

Date 04 / 15 / 02 Load Numbers 668 - 670

Area(s) Worked 46+00 TO 96+00 (STATIONS); RED AND GREEN TOW LINES

Weather Conditions (incl. sea conditions) CLEAR TO OVERCAST; WINDS LT. +VAR TO SE 10K; SEAS 1-3'

Range of Water Temp., Surface 53°F - 56°F Below Mid-Depth 52°F - 55°F

Condition and Effectiveness of Screening GOOD AIR TEMP 60° - 72° F

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGE CONTINUES DIGGING 46+00 TO 96+00, RED AND GREEN TOW LINES. SCREENING AT TIMES FILLING WITH LARGE + SMALL ROCKS (BOULDERS) AND REQUIRES CLEARING DURING LOAD. DREDGE MATERIAL FINE, CLEAN SAND W/ MUD. ABIOTIC SAMPLES CONSIST OF ROCK, WOOD, AND MISCELLANEOUS TRASH. BIOLOGICAL SPECIMENS INCLUDE VARIOUS AND ASSORTED CORALS, SEAGRASSES, SEA STARS, SHELL, AND CRAB. ALSO SAMPLING NUMEROUS HORSESHOE CRABS, FLOUNDER, SKATES, AND SHARKS.

SCREENING AND DEFLECTORS REMAIN IN GOOD SHAPE.

THERE WERE NO INCIDENTS NOR ANY SIGHTINGS OF ENDANGERED SPECIES.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	2	0855 BOTTLENOSE DOLPHIN IN TRANSIT TO DUMP

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL / CHESAPEAKE

DAILY REPORT

Date 04 / 16 / 02 Load Numbers 674 - 676

Area(s) Worked STATIONS 46+00 TO 96+00 RED + GREEN TOW / 18+00 TO 0000 GRN TOW

Weather Conditions (incl. sea conditions) CLEAR SKIES; WINDS CALM TO SE 5 KTS; SEAS 1-2 FT.

Range of Water Temp., Surface 54° F - 55° F Below Mid-Depth 54° F - 55° F

Condition and Effectiveness of Screening GOOD AIR TEMP RANGE 66° - 85° F

Are there incidents involving endangered or protected species? **YES** **(NO)**

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGE CONTINUES TO DIG STATIONS 46+00 TO 96+00 GREEN AND RED TOWS AND 18+00 TO 0000 GREEN TOW. PICKING UP CONSIDERABLE AMOUNTS OF ROCK ON GREEN TOW LINE AT TIMES FILLING BOX AND REQUIRING CLEARING DURING LOAD. DREDGE MATERIAL FINE, CLEAN SAND + MUD.

ABIOTIC SAMPLES CONSIST OF ROCK, WOOD, AND MISCELLANEOUS TRASH.

BIOLOGICAL SPECIMENS INCLUDE VARIOUS AND ASSORTED CORALS, SEAGRASSES, SEA STARS AND CRABS. ALSO SAMPLED NUMEROUS HORSESHOE CRABS, FLOUNDER, SKATES AND 1 SPINY DOGFISH.

SCREENING REMAINS EFFECTIVE AND IN GOOD SHAPE. THERE WERE NO INCIDENTS NOR ANY SIGHTINGS OF ENDANGERED OR THREATENED SPECIES.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
NONE		

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL / CHESAPEAKE

DAILY REPORT

Date 04 / 17 / 02 Load Numbers 679 - 681

Area(s) Worked STATIONS 46+00 TO 96+00 / 18+00 TO 0000

Weather Conditions (incl. sea conditions) CLEAR SKIES; WINDS LT. TO CALM; SEAS CALM TO 1 FT.

Range of Water Temp., Surface 55° - 56° F Below Mid-Depth 54° - 56° F

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGE CONTINUES TO WORK STATIONS 46+00 TO 96+00, RED AND GREEN TOWS AND 18+00 TO 0000, GREEN TOW LINE.

ABIOTIC SAMPLES CONSIST OF ROCK, WOOD AND ASSORTED TRASH. BIOLOGICAL SPECIMENS INCLUDE VARIOUS AND ASSORTED CRABS, SHELLS, CORALS, SEASTARS AND SEAGRASSES. ALSO SAMPLED NUMEROUS HORSESHOE CRABS AND SKATES. 1 SPINY DOGFISH.

SCREENING AND DEFLECTORS IN GOOD SHAPE. BOXES AT TIMES BEING FILLED WITH SMALL ROCKS AND BOULDERS, AT TIMES REQUIRING CLEARING OF BOXES DURING LOAD. DREDGE MATERIAL FINE, CLEAN SAND WITH SOME MUD.

THERE WERE NO INCIDENTS NOR ANY SIGHTINGS OF ENDANGERED OR THREATENED SPECIES.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	25-30	1315 BOTTLENOSE DOLPHIN LANGUIDLY ROLLING WHILE DREDGE IN TRANSIT FROM DUMP SITE

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL/CHESAPEAKE BAY

DAILY REPORT

Date 04 / 18 / 02 Load Numbers 685-687

Area(s) Worked STATIONS 46+00 TO 96+00

Weather Conditions (incl. sea conditions) CLEAR SKIES (HAZY); WINDS LT TO CALM; SEAS CALM

Range of Water Temp., Surface 56.5°-59°F Below Mid-Depth 56°-57°F

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? **YES** **(NO)**

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGE CONTINUES TO WORK STATIONS 46+00 TO 96+00, RED AND GREEN TOW LINES. SCREENING AND DEFLECTORS IN GOOD SHAPE AND EFFECTIVE.

ABIOTIC SAMPLES CONSIST OF ROCK, WOOD AND ASSORTED TRASH.

BIOLOGICAL SPECIMENS INCLUDE VARIOUS AND ASSORTED CRABS, CORALS, SEASTARS, SEAGRASSES AND SHELLS. ALSO SAMPLED WERE NUMEROUS HORSE-SHOE CRABS, SKATES, WHELK SHELL AND WHELK EGG CASINGS.

THERE WERE NO INCIDENTS NOR ANY SIGHTINGS OF ENDANGERED OR THREATENED SPECIES.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	Approx. 50	1115 BOTTLENOSE DOLPHIN W/ CALVES TAIL SLAPPING, ROLLING
T+	Approx 30	1510 " "
T+	15-20	1840 " "
		T+ SIGHTINGS ALL OCCURED WHILE DREDGE TRANSITS FROM DIG AREA TO DUMP AREA

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL / CHESAPEAKE BAY

WEEKLY SUMMARY

Dates 04 / 12 / 02 - 04 / 18 / 02 Load Numbers 654 - 687 (NOT CONSECUTIVE)

Range of Water Temp., Surface 52° - 59° F Below Mid-Depth 52° - 57° F

Areas Worked (lat/longs, stations) STATIONS 46+00 TO 96+00 AND 18+00 TO 0000

Are there incidents involving endangered or protected species? **YES** (NO)

DREDGE MATERIAL FINE, CLEAN SAND WITH SOME MUD.

Comments (turtle takes, whale sightings, effectiveness of screening, by-catch, material, other info):

OBSERVER BRETT JOHNSON FROM COASTWISE CONSULTING, INC. BOARDED DREDGE BAYPORT ON 04/12/02 AT APPROXIMATELY 1430 HRS WHILE DREDGE IN TRANSIT TO DIG AREA. DREDGING OPERATIONS COMMENCED WITH LOAD NUMBER 654 AT 1555 HRS. DEFLECTORS AND SCREENING IN GOOD CONDITION. OBSERVER COVERING DAYLIGHT HOURS WITH 100% SCREENING FOR ALL BIOLOGICAL TAKE AND MAINTAINING BRIDGE WATCH FOR SEA TURTLES AND MARINE MAMMALS.

ABIOTIC SAMPLING FOR THE WEEK CONSISTED OF NUMEROUS ROCKS AND LARGE BOULDERS AT TIMES COMPLETELY FILLING SCREENING BOXES AND REQUIRING CLEARING THROUGHOUT LOAD CYCLE. ALSO SAMPLED WOOD DEBRIS AND MISCELLANEOUS TRASH. BIOLOGICAL SPECIMENS INCLUDED ASSORTED AND VARIOUS CRABS, CORALS, SEAGRASSES, SHELLS AND SEASTARS. NUMEROUS HORSESHOE CRABS SAMPLED ON EACH LOAD. ALSO SAMPLED WERE FLOUNDER, SKATES, WHELK SHELL AND WHELK EGG CASINGS. IN ADDITON 3 SPINY DOGFISH WERE TAKEN.

MARINERS REPORT BROADCAST OVER RADIO ON 04/13/02 DETAILS OF A RIGHT WHALE ENTANGLED WITH BUOY'S ATTACHED OFF CAPE HATTERAS COAST MOVING NORTH. EXPECTED TO PASS VIRGINIA COAST.

(Eg.)

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
04 / 15	Tursiops truncatus 2, ROLLING	DREDGE IN TRANSIT TO DUMP
04 / 17	Tursiops truncatus 25-30, ROLLING	" "
04 / 18	Tursiops truncatus 95-100, ROLLING, TAILSLAPPING	" "
/		
/		
/		
/		

Observers on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL / CHESAPEAKE BAY

DAILY REPORT

Date 04 / 19 / 02 Load Numbers 691-3

Area(s) Worked STATIONS 46+00 TO 96+00 RED AND GREEN TOW LINES

Weather Conditions (incl. sea conditions) P.CLOUDY/HAZY; WINDS CALM TO SW 10K; SEAS CALM TO 2 FT.

Range of Water Temp., Surface 56° - 58° F Below Mid-Depth 57° F

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGE CONTINUES OPERATIONS STATIONS 46+00 TO 96+00 RED AND GREEN TOW LINES. MATERIAL DREDGED FINE, HARD PACKED SAND. DREDGING SHORTLY DELAYED WHILE AWAITING NAVAL EOD CREW TO ARRIVE AND RETRIEVE CANNONBALL FOUND IN PORT DRAGHEAD A FEW DAYS PRIOR.

ABIOTIC SAMPLES INCLUDE ROCK, WOOD, AND MISCELLANEOUS TRASH.

BIOLOGICAL SPECIMENS CONSIST OF NUMEROUS, VARIOUS AND ASSORTED CRABS, CORALS, SEAGRASSES, SHELL/WHELK SHELL AND EGGCASINGS AND SEASTARS. HORSESHOE CRABS AND FLOUNDER NUMEROUS. IN ADDITION SEVERAL FLOUNDER AND 1 SPINY DOGFISH WERE SAMPLED.

THERE WERE NO INCIDENTS NOR ANY SIGHTINGS OF ANY ENDANGERED OR THREATENED SPECIES.

DREDGE MATERIAL FINE, CLEAN SAND WITH SOME MUD.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	10-12	1350 HRS. WEST OF DREDGE OFF BEACH, DREDGE IN TRANSIT FROM DUMP AREA

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL / CHESAPEAKE

DAILY REPORT

Date 04 / 20 / 02 Load Numbers 696 - 698

Area(s) Worked STATIONS 46+00 TO 96+00

Weather Conditions (incl. sea conditions) P.CLOUDY SKIES; WINDS CALM; SEAS CALM TO 1/2 FT.

Range of Water Temp., Surface 58° - 59° F Below Mid-Depth 57° F

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGE CONTINUES TO DIG STATIONS 46+00 TO 96+00, RED AND GREEN TOW LINES. MATERIAL DREDGED IS CLEAN, FINE SAND WITH SOME MUD.

ABIOTIC SAMPLES CONSIST OF ROCK, WOOD AND MISCELLANEOUS TRASH.

BIOLOGICAL SPECIMENS INCLUDE VARIOUS AND ASSORTED CRABS, CORALS, SEAGRASSES, SHELL AND SEASTARS. ALSO SAMPLED WERE NUMEROUS HORSE-SHOE CRABS AND SKATES. IN ADDITION WERE A FEW FLOUNDER AND WHELK SHELL WITH EGG CASINGS.

THERE WERE NO INCIDENTS NOR ANY SIGHTINGS OF ENDANGERED OR THREATENED SPECIES.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	6-8	1215 BOTTLENOSE DOLPHIN OUTSIDE CHANNEL BUOY 5
T+	10-12	1653 " " IN + ABOUT CHANNEL
T+	4	1845 " " WEST OF DREDGE WHILE IN TRANSIT FROM DUMP TO DIG

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL / CHESAPEAKE BAY

DAILY REPORT

Date 04 / 21 / 02 Load Numbers 702 - 704

Area(s) Worked STATIONS 52 +00 TO 96+00

Weather Conditions (incl. sea conditions) CLEAR TO OVERCAST / RAIN; WINDS E/NE 10-20K; SEAS 2-3 FT.

Range of Water Temp., Surface 55° - 57° F Below Mid-Depth 55° - 56° F

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGE CONTINUES TO DIG STATIONS 46+00 TO 96+00. DREDGE MATERIAL FINE SAND WITH SOME SILT.

ABIOTIC SAMPLES CONSIST OF ROCK, WOOD AND MISCELLANEOUS TRASH.

BIOLOGICAL SPECIMENS INCLUDE ASSORTED CRABS, SEAGRASSES, CORALS, SHELL AND SEASTARS. ALSO FLOUNDER, SKATE AND HORSESHOE CRABS.

WEATHER TURNING FOUL THROUGHOUT DAY. OVERCAST. RAIN, ROUGH SEAS LIMITING VISIBILITY.

THERE WERE NO INCIDENTS NOR ANY SIGHTINGS OF ENDANGERED OR THREATENED SPECIES.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
∅		

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL / CHESAPEAKE BAY

DAILY REPORT

Date 04 / 22 / 02 Load Numbers 707 - 709

Area(s) Worked STATIONS 52+00 TO 96+00 RED AND GREEN TOW LINES

Weather Conditions (incl. sea conditions) P. CLOUDY / CLEARING; WINDS VARIABLE 5-20K; SEAS 2-4 FT.

Range of Water Temp., Surface 55°-56° F Below Mid-Depth 55°-56° F

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGE CONTINUES OPERATIONS STATIONS 46+00 TO 96+00 RED AND GREEN TOW LINES. DREDGE MATERIAL IS FINE SAND WITH SOME SILT.

ABIOTIC SAMPLES CONSIST OF ROCK, WOOD AND ASSORTED TRASH.

BIOLOGICAL SPECIMENS INCLUDE ASSORTED AND VARIOUS CRABS, CORALS, SHELL AND SEASTARS. THERE WERE NUMEROUS HORSESHOE CRABS SAMPLED ALONG WITH SKATES AND A FEW FLOUNDER. 1 SPINY DOGFISH WAS TAKEN.

THERE WERE NO INCIDENTS NOR ANY SIGHTINGS OF ENDANGERED OR THREATENED SPECIES.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL

DAILY REPORT

Date 04 / 23 / 02 Load Numbers 713-715

Area(s) Worked STATIONS 46+00 TO 96+00 RED + GREEN TOW LINES

Weather Conditions (incl. sea conditions) P. CLOUDY; WINDS N-LY 20-25 KTS; SEAS 4-6 FT.

Range of Water Temp., Surface 56° F Below Mid-Depth 56° F

Condition and Effectiveness of Screening GOOD

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

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGE CONTINUES TO DIG STATIONS 46+00 TO 96+00 RED AND GREEN TOW LINES. MATERIAL FINE SAND WITH SILT.

ABIOTIC SAMPLES: ROCK, WOOD, ASSORTED TRASH.

BIOLOGICAL SPECIMENS INCLUDE ASSORTED CRABS, CORAL, SEASTARS, AND SHELL. ALSO SAMPLE NUMEROUS HORSESHOE CRABS AND SKATES AS WELL AS A FEW FLOUNDER.

VISIBILITY OF WATER SURFACE LIMITED DUE TO EXTREMELY ROUGH SEAS. THERE WERE NO INCIDENTS NOR ANY SIGHTINGS OF ENDANGERED OR THREATENED SPECIES

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty BRET JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL / CHESAPEAKE BAY

DAILY REPORT

Date 04 / 24 / 02 Load Numbers 718-720

Area(s) Worked STATIONS 46+00 TO 96+00 RED + GREEN TOW LINES / 36° 59'N 76° 00' W

Weather Conditions (incl. sea conditions) CLEAR SKIES; WINDS EAST 5-10 KTS; SEAS N/NE 2-4 FT.

Range of Water Temp., Surface 57° - 59° F Below Mid-Depth 56° - 58° F

Condition and Effectiveness of Screening GOOD / ABIOTIC SAMPLES CONSIST OF ROCK, WOOD + TRASH. BIOLOGICAL SPECIMENS INCLUDE ASSORTED CRABS, SHELL, CORAL, SEASTAR, SKATE AND FLOUNDER.

Are there incidents involving endangered or protected species? (YES) NO

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

A FRESHLY KILLED LOGGERHEAD SEA TURTLE (Caretta caretta) WAS DISCOVERED IMMEDIATELY FOLLOWING LOAD NUMBER 718 AT APPROXIMATELY 1115 HRS. THE SPECIMEN WAS RECOVERED FROM THE PORT SIDE AFT, INFLOW SCREENING POINT. THE SPECIMEN WAS IN 3 MAJOR, SEPARATE PIECES. POSITIVE IDENTIFICATION WAS MADE FROM REMAINING HEAD, FLIPPERS AND CARAPACE/ PLASTRON PARTS RECOVERED. THE SAMPLES WERE ALL MEASURED, SKETCHED AND PHOTOGRAPHED. THE SPECIMEN WAS THEN PLACED IN SHIP'S FREEZER PENDING ANY ADDITONAL PARTS THAT MAY BE RECOVERED IN SUBSEQUENT LOADS. ARMY CORPS OF ENGINEER INSPECTOR KIRK BIGELOW ON BOARDED AND CONSULTED. ALSO NOTIFIED WERE CHRIS SLAY (COASTWISE CONSULTING) AND MARY COLLIGAN OF THE NATIONAL MARINE FISHERIES SERVICE. PLEASE SEE INCIDENTAL TAKE REPORT AND DIAGRAM FOR FURTHER DETAILS. THE SCREENING AND DRAGHEADS WERE THOROUGHLY INSPECTED AND DETERMINED EFFECTIVE AND IN GOOD WORKING ORDER

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
NONE		

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL / CHESAPEAKE BAY

DAILY REPORT

Date 04 / 25 / 02 Load Numbers 723-725

Area(s) Worked STATIONS 46+00 TO 96+00 RED + GREEN TOW LINES

Weather Conditions (incl. sea conditions) OVERCAST / RAIN; WINDS S / SW 5-20K; SEAS 1-6 FT.

Range of Water Temp., Surface 56° - 57° F Below Mid-Depth 56° - 57° F

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? **YES** **(NO)**

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGE CONTINUES TO DIG STATIONS 46+00 TO 96+00 RED + GREEN TOW LINES. MATERIAL IS SAND WITH SILT.

ABIOTIC SAMPLES CONSIST OF ROCK, WOOD AND ASSORTED TRASH.

BIOLOGICAL SPECIMENS INCLUDE ASSORTED CRABS, SKATES, SEASTAR, CORAL AND SHELL. ALSO SAMPLED WERE NUMEROUS HORSESHOE CRABS AND A FEW FLOUNDER.

THERE WERE NO INCIDENTS NOR ANY SIGHTINGS OF ENDANGERED OR THREATENED SPECIES.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
NONE		

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL / CHESAPEAKE BAY

WEEKLY SUMMARY

Dates 04/19/02 - 04/25/02 Load Numbers 691-725 (NOT CONSECUTIVE)

Range of Water Temp., Surface 55° - 59° F Below Mid-Depth 55° - 58° F

Areas Worked (lat/longs, stations) STATIONS 46+00 TO 96+00 RED AND GREEN TOW LINES

Are there incidents involving endangered or protected species? (YES) NO

Comments (turtle takes, whale sightings, effectiveness of screening, by-catch, material, other info):

DREDGE CONTINUES OPERATIONS AT STATIONS 46+00 TO 96+00 RED AND GREEN TOW LINES. MATERIAL DREDGED IS SAND WITH SILT.

A LOGGERHEAD SEA TURTLE (Caretta caretta) WAS TAKEN ON 04/24/02 FOLLOWING LOAD 718 AT APPROXIMATELY 1115 HRS. SPECIMEN WAS SEVERELY MACERATED INTO THREE MAJOR PORTIONS. POSITIVE IDENTIFICATION WAS MADE AND SAMPLES WERE PHOTOGRAPHED AND MEASURED. USACE, CHRIS SLAY (COAST-WISE CONSULTING), AND MARY COLLIGAN (NATIONAL MARINE FISHERIES SERVICE) WERE ALL NOTIFIED AND RECEIVED COPIES OF REPORT AND DIAGRAMS.

ABIOTIC SAMPLES CONSISTED OF ROCK, WOOD AND MISCELLANEOUS TRASH. BIOLOGICAL SPECIMENS INCLUDED ASSORTED CRAB, SHELL, CORAL, SEASTAR AND SEAGRASSES. ALSO SAMPLED WERE NUMEROUS FLOUNDER AND SKATES AS WELL AS 1 SPINY DOGFISH.

PLEASE SEE DAILY, INCIDENT AND DIAGRAM FOR 04/24/02 REGARDING DETAILS TO CARETTA TAKE.

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
04/19	Tursiops truncatus 10-12	DREDGE IN TRANSIT FROM DUMP
04/20	Tursiops truncatus 20-24	IN AND ABOUT CHANNEL AND
0 /		DISPOSAL SITE
/		
/		
/		
/		

Observers on duty BRET JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL / CHESAPEAKE BAY

DAILY REPORT

Date 04 / 26 / 02 Load Numbers 728

Area(s) Worked STATIONS 46+00 TO 96+00

Weather Conditions (incl. sea conditions) CLEAR SKIES; WINDS ENE 5-10 KTS; SEAS ENE 2FT.

Range of Water Temp., Surface 55°F Below Mid-Depth 55°F

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGE CONTINUES TO WORK STATIONS 46+00 TO 96+00 RED AND GREEN TOW LINES. MATERIAL DREDGED IS SAND WITH SILT.

ABIOTIC SAMPLES CONSIST OF ROCK, WOOD, AND TRASH.

BIOLOGICAL SPECIMENS INCLUDE ASSORTED CRABS, CORAL, SHELL AND SEASTAR. ALSO SAMPLED NUMEROUS HORSESHOE CRABS AND SKATES AS WELL AS A FEW FLOUNDER.

DREDGE IN TRANSIT TO NORSHIPCO DOCKS FOLLOWING LOAD NUMBER 728 @ 0907 HRS. SHIP TO TAKE ON STORES AND DO REPAIRS. APPROXIMATELY 6-8 HOUR LAYOVER EXPECTED.

THERE WERE NO INCIDENTS NOR ANY SIGHTINGS OF ENDANGERED OR THREATENED SPECIES.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	6	1000 IN AND ABOUT CHANNEL

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL / CHESAPEAKE BAY

DAILY REPORT

Date 04 / 27 / 02 Load Numbers 730-732

Area(s) Worked STATIONS 46+00 TO 96+00 RED AND GREEN TOW LINES

Weather Conditions (incl. sea conditions) CLEAR TO P.CLOUDY; WINDS VARIABLE TO 10 KTS; SEAS 1-2 FT.

Range of Water Temp., Surface 57° - 59° F Below Mid-Depth 57° - 58° F

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? **YES** **(NO)**

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGING AS BEFORE. MATERIAL FINE, HARD PACKED SAND WITH SILT.

ABIOTIC SAMPLES: ROCK, WOOD AND MISCELLANEOUS TRASH.

BIOLOGICAL SPECIMENS INCLUDE ASSORTED CRAB, CORAL, SEASTAR AND SHELL. NUMEROUS HORSESHOE CRABS AND SKATES, AS WELL AS A FEW FLOUNDER.

THERE WERE NO SIGHTINGS OR INCIDENTS WITH ENDANGERED OR THREATENED SPECIES.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	25-30	1025 ROLLING / TAIL SLAPPING AT DISPOSAL SITE

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL / CHESAPEAKE

DAILY REPORT

Date 04 / 28 / 02 Load Numbers 736-738

Area(s) Worked STATIONS 46+00 TO 96+00 RED AND GREEN TOW LINES

Weather Conditions (incl. sea conditions) OVERCAST / RAIN; WINDS SE/SW TO 20KTS; SEAS 1-3 FT.

Range of Water Temp., Surface 59°F Below Mid-Depth 59° F

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGING AS BEFORE. MATERIAL DREDGED HARD PACKED, FINE SAND WITH SOME SILT.

ABIOTIC SAMPLES CONSIST OF ROCK, WOOD, AND ASSORTED TRASH.

BIOLOGICAL SPECIMENS INCLUDE NUMEROUS AND VARIOUS CRAB, CORAL, SEASTAR, SHELL AND SKATE. SAMPLED NUMEROUS HORSE SHOE CRABS AND A FEW FLOUNDER.

THERE WERE NO INCIDENTS NOR ANY SIGHTINGS OF ENDANGERED OR THREATENED SPECIES.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	2	1155 IN TRANSIT TO DISPOSAL SITE
TT	6-10	1647 " "

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL

DAILY REPORT

Date 04 / 29 / 02 Load Numbers 741-743

Area(s) Worked STATIONS 46+00 TO 96+00 RED AND GREEN TOW LINES

Weather Conditions (incl. sea conditions) CLEAR SKIES; WINDS SSW TO NORTH 10-20K; SEAS 1-4FT.

Range of Water Temp., Surface 59° F Below Mid-Depth 59° F

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? **YES** **(NO)**

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGING OPERATIONS CONTINUE STATIONS 46+00 TO 96+00 RED AND GREEN TOW LINES. MATERIAL DREDGED IS HARD PACKED, FINE SAND WITH SILT.

ABIOTIC SAMPLES CONSIST OF ROCK, WOOD, AND ASSORTED TRASH.

BIOLOGICAL SPECIMENS INCLUDE ASSORTED AND VARIOUS CRAB, CORAL, SEASTAR, AND SHELL. ALSO SAMPLED NUMEROUS HORSESHOE CRABS AND SKATE AS WELL AS A FEW FLOUNDER.

THERE WERE NO INCIDENTS NOR ANY SIGHTINGS OF ENDANGERED OR THREATENED SPECIES.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
NONE		

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL / CHESAPEAKE BAY

DAILY REPORT

Date 04 / 30 / 02 Load Numbers 747 - 749

Area(s) Worked STATIONS 46+00 TO 96+00 RED AND GREEN TOW LINES

Weather Conditions (incl. sea conditions) CLEAR; WINDS VARIABLE TO 30K; SEAS CALM TO 5 FT.

Range of Water Temp., Surface 58° - 59° F Below Mid-Depth 58° - 59° F

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? **YES** **(NO)**

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGE CONTINUES TO WORK STATIONS 46+00 TO 96+00 RED AND GREEN TOW LINES. MATERIAL DREDGED IS FINE SAND WITH SILT.

ABIOTIC SAMPLES CONSIST OF ROCK, WOOD AND MISCELLANEOUS TRASH.

BIOLOGICAL SPECIMENS INCLUDE ASSORTED CRAB, SEASTAR, CORAL AND SHELL. ALSO SAMPLED WERE NUMEROUS HORSESHOE CRABS AND SKATE AS WELL AS A FEW FLOUNDER.

THERE WERE NO INCIDENTS NOR ANY SIGHTINGS OF ENDANGERED OR THREATENED SPECIES.

LOGGERHEAD SEA TURTLE (Caretta caretta) FROZEN FROM 04/24/02 WAS JETTISONED AT DISPOSAL SITE AFTER LOAD 748. SAMPLE WAS WEIGHTED WITH ANGLE IRON AND BALING WIRE

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	6	1330 ROLLING IN CHANNEL

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL / CHESAPEAKE BAY

DAILY REPORT

Date 05 / 01 / 02 Load Numbers 752, 753

Area(s) Worked STATIONS 46+00 TO 96+00 RED AND GREEN TOW LINES.

Weather Conditions (incl. sea conditions) P.CLOUDY / HAZY; WINDS LIGHT TO W 5K; SEAS CALM

Range of Water Temp., Surface 59° F Below Mid-Depth 58° F

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGING CONTINUES AT STATIONS 46+00 TO 96+00 RED AND GREEN TOW LINES. MATERIAL DREDGED IS HARD PACKED, FINE SAND WITH SILT.

DREDGED CEASED OPERATIONS AT APPROXIMATELY 0730 HRS TO TRANSIT TO SEWELL POINT ANCHORAGE TO TAKE ON FUEL. DREDGING OPERATIONS RESUMED AT 1515 HRS WITH LOAD 753.

ABIOTIC SAMPLES CONSIST OF ROCK, WOOD AND MISCELLANEOUS TRASH. BIOLOGICAL SPECIMENS INCLUDE VARIOUS AND ASSORTED SHELL, CRAB, CORAL AND SEASTAR. ALSO SAMPLED WERE NUMEROUS HORSESHOE CRABS AND SKATE AS WELL AS A FEW FLOUNDER.

THERE WERE NO INCIDENTS NOR ANY SIGHTINGS OF ENDANGERED OR THREATENED SPECIES.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
NONE		

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL / CHESAPEAKE BAY

DAILY REPORT

Date 05 / 02 / 02 Load Numbers 757-759

Area(s) Worked STATIONS 46+00 TO 96+00 RED AND GREEN TOW LINES

Weather Conditions (incl. sea conditions) P. CLOUDY/HAZY; SQUALLS; WINDS VAR→ 15K; SEAS 1-4 FT.

Range of Water Temp., Surface 59.5°-60.5° F Below Mid-Depth 59-59.5° F

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGE CONTINUES OPERATIONS AT STATIONS 46+00 TO 96+00 RED AND GREEN TOW LINES. HEAVY ROCK ACCUMULATIONS AT TIMES WHICH REQUIRE CLEARING OF INFLOW SCREENING THROUGHOUT LOAD. MATERIAL DREDGED IS ROCK AND HARD PACKED, FINE SAND WITH SILT.

ABIOTIC SAMPLES CONSIST OF ROCK, WOOD AND MISCELLANEOUS TRASH. BIOLOGICAL SPECIMENS INCLUDE ASSORTED AND VARIOUS CRAB, CORAL, SEASTAR, SHELL AND SMALL FISH. ALSO SAMPLED WERE NUMEROUS HORSESHOE CRABS, FLOUNDER AND SKATE.

NEW OBSERVER HOLLY FEARBACH BOARDED DREDGE AT APPROXIMATELY 0800 HRS. FOR ENDANGERED SPECIES OBSERVATION TRAINING. SHE WILL WORK WITH OBSERVER BRETT JOHNSON THE ENTIRE DAY OF 05/02/02 AND HALF OF 05/03/02 AT WHICH POINT OBSERVER JOHNSON WILL DEPART DREDGE. THERE WERE NO INCIDENTS NOR ANY SIGHTINGS OF ENDANGERED OR THREATENED SPECIES.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
NO SIGHTINGS		

Observer(s) on duty BRETT JOHNSON / HOLLY FEARNBACH

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL / CHESAPEAKE BAY

WEEKLY SUMMARY

Dates 04/26/02 - 05/02/02 Load Numbers 728 - 759 (NOT CONSECUTIVE)

Range of Water Temp., Surface 55° - 60.5° F Below Mid-Depth 55° - 59.5° F

Areas Worked (lat/longs, stations) STATIONS 46+00 TO 96+00 RED AND GREEN TOW LINES

Are there incidents involving endangered or protected species? YES (NO)

Comments (turtle takes, whale sightings, effectiveness of screening, by-catch, material, other info):

DREDGE CONTINUES OPERATIONS AT STATIONS 46+00 TO 96+00 RED AND GREEN TOW LINES. MATERIAL DREDGED IS ROCK, HARD PACKED, FINE SAND AND SILT. THE INFLOW SCREENING BOXES HAVE, AT TIMES, BECOME COMPLETELY FILLED WITH ROCKS AND BOULDERS WHICH REQUIRE CLEARING THROUGHOUT LOAD CYCLE. A DIFFICULT AND ARDUOUS TASK.

ABIOTIC SAMPLES CONSIST OF ROCK, WOOD AND MISCELLANEOUS TRASH. BIOLOGICAL SPECIMENS INCLUDE ASSORTED AND VARIOUS CRAB, SEASTAR, CORAL, SHELL AND SMALL FISH. ALSO SAMPLED WERE NUMEROUS HORSESHOE CRAB, FLOUNDER AND SKATE.

NEW OBSERVER HOLLY FEARNBACH BOARDED DREDGE ON 05/02 AT APPROXIMATELY 0800 HOURS FOR ENDANGERED SPECIES OBSERVATION TRAINING. SHE WORKED THE ENTIRE DAY OF 05/02 WITH OBSERVER BRETT JOHNSON AND HALF OF THE DAY 05/03 AT WHICH POINT OBSERVER JOHNSON WILL DEPART DREDGE.

THERE WERE NO INCIDENTS NOR ANY SIGHTINGS OF ENDANGERED OR THREATENED SPECIES.

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
04/26	Tursiops truncatus 6	IN AND ABOUT CHANNEL
04/27	Tursiops truncatus 25-30	ROLLING, TAIL SLAPPING AT DISPOSAL SITE
04/28	Tursiops truncatus 8-10, ROLLING	IN TRANSIT TO DISPOSAL SITE
04/30	Tursiops truncatus 6	ROLLING IN CHANNEL
/		
/		
/		

Observers on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 05 / 03 / 02 Load Numbers 763 - 765

Area(s) Worked Stations 46+00 to 96+00; red and green tow lines

Weather Conditions (incl. sea conditions) Ptly cldy; seas 1-4 ft; wind- calm to 10 knots

Range of Water Temp., Surface 59.5 - 61.5 °F Below Mid-Depth 59 - 61 °F

Condition and Effectiveness of Screening Good

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

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredge operations continued as usual. Dredged area included 46+00 to 96+00 / red and green tow lines. Dredged material consisted of hard-packed, fine sand and silt. Numerous rocks of various sizes were also dredged. Abiotic samples included rock and trash. Biological specimens included assorted crabs (spider, horseshoe and blue), assorted shellfish, flounder (variable lengths), skates, whelks and starfish.

No takes or sightings of endangered or threatened species were recorded.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	10 - 15	1715 / ~30th St / ~7 miles from shore / traveling E
Tursiops truncatus	4 - 6	1822 / Cape Henry lighthouse / ~4 miles from shore - traveling E

Observer(s) on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Baypart

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 05 / 04 / 03 Load Numbers 768-770

Area(s) Worked 46+00 to 96+00 / red and green tow lines

Weather Conditions (incl. sea conditions) cloudy/rain/winds 10-20/seas 2-6 ft/air temp 55-60° F

Range of Water Temp., Surface 60° F Below Mid-Depth 59.5° - 60° F

Condition and Effectiveness of Screening good

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

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredge operations continued in area 46+00 to 96+00. Conditions were sub-optimal for sightings (high sea state and rain). Dredged material consisted of hard-packed, fine sand, silt and rocks. Abiotic samples included rocks, wood and plastic (trash). Biological samples included whelks (and egg cases), assorted crabs, starfish, flounder and assorted shellfish.

There were no sightings or takes of endangered or threatened species.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
∅		

Observer(s) on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 05 / 05 / 02 Load Numbers 774-775

Area(s) Worked 46+00 to 96+00; red and green tow lines

Weather Conditions (incl. sea conditions) cloudy / seas 2-5ft / winds 10-20knots / air temp 60-65°F

Range of Water Temp., Surface 60.0°F Below Mid-Depth 59.5°F

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? **YES** **NO** (NO circled)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredge operations continued as usual. Dredge area included 46+00 to 96+00. Dredged material consisted of hand-packed fine sand and silt, as well as rocks. Abiotic samples included rock, wood and trash. Biological samples included assorted crabs and shellfish, skates, and starfish.

No sightings or takes of threatened or protected species were recorded.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	12-18	1830 / 82nd-88th St / three groups - one close to shore & the other 2 near the vessel
Tursiops truncatus	6-8	1845 / Cape Henry lighthouse / ~25 yards from vessel

Observer(s) on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Rayport

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 05 / 06 / 02 Load Numbers 779-781

Area(s) Worked 46* 00 to 96* 00, red + green tow lines

Weather Conditions (incl. sea conditions) clear/seas 1-2ft/winds calm-10 knots/air temp 65-75°F

Range of Water Temp., Surface 61.5 - 62.5°F Below Mid-Depth 61 - 62 °F

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

All dredging operations continued in the 46* 00 to 96* 00 area. Dredged material continued to contain numerous rock of various sizes. Other dredged material consisted of hand-packed sand with silt. Abiotic samples included rock and wood, along with two items of fishery gear. The first item was a tangle of monofilament line (blue and clear) and rope, while the second item was a rope fragment (~4 ft in length). Biological specimens included assorted crabs and shellfish, 2 dogfish, several flounder, skates, whelks and starfish.

No takes or sightings of endangered/threatened species were recorded.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
T. truncatus	4-6	1200 / 80's St. / ~2 miles offshore / traveling N
T. truncatus	3-4	1210 / Ft Story / " "
T. truncatus	8-10	1645 / Ft Story / ~1 mile offshore / traveling N
T truncatus	3-5	1655 / green buoy / ~25 yards from vessel / milling
T. truncatus	4-6	1835 / in channel / ~100 yards from vessel / traveling N

Observer(s) on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 05 / 07 / 02 Load Numbers 0784 - 0786

Area(s) Worked 46+00 to 96+00, red and green tow lines

Weather Conditions (incl. sea conditions) clear / seas - 2ft swell / winds SS - 10 knots / air temp 68-79F

Range of Water Temp., Surface 62 - 62.5°F Below Mid-Depth 61.5°F - 62°F

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? YES NO

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredging operations continued in area 46+00 to 96+00. A small area of 0+00 to 18+00 was dredged at the end of load 784. Dredged material was fine hand packed sand w/ silt and rocks. Abiotic samples included rock, wood, and trash. Biological specimens included 1 striped bass, assorted crabs and shellfish, whelk, whelk egg casings, flounder, skates, coral and starfish.

No sightings or takes of endangered or threathened species were recorded.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	4-6	1650 / 58th / ~200 yards from vessel / traveling N
T. truncatus	12-15	1700 / Ft Story / ~50 yards from vessel / social / hail
T. truncatus	3	1715 / channel / traveling S

Observer(s) on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 05 / 08 / 02 Load Numbers 789-791

Area(s) Worked 46+00 to 96+00; red and green tow lines

Weather Conditions (incl. sea conditions) clear-hazy / seas 1-3 ft / winds SE/NE 5-10 knots / 66-76 air temp °F

Range of Water Temp., Surface 62.5° - 63.5° F Below Mid-Depth 62 - 63° F

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredging operations continued in section 46+00 to 96+00. Dredged material included fine, hand-packed sand and silt, along with various sized rocks. Abiotic samples included rocks, wood and assorted trash. Biological samples included assorted crabs and shellfish, coral, flounder, starfish, striped seabass, skates and whelk.

No sightings or takes of endangered or threatened species were recorded.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
∅		

Observer(s) on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 05 / 09 / 02 Load Numbers 794-796

Area(s) Worked 46+00 to 96+00; red and green tow lines

Weather Conditions (incl. sea conditions) hazy/fog/rain / seas 1-2 ft / wind calm-10 knots / air temp 64-80°F

Range of Water Temp., Surface 60.7°F Below Mid-Depth 61.5°F

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredging operations continued as usual in the 46+00 to 96+00 area. Dredged material included fine, hand-parted sand and silt, along with rocks of various sizes. Abiotic samples included rock, wood and trash. Biological specimens included assorted crabs (horseshoe, spider, blue), assorted shellfish, coral, starfish, flounder, skates, striped bass, whelks and cow-nosed rays (2).

No endangered or threatened species were sighted or taken.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
∅		

Observer(s) on duty Holly Feanback

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel / Chesapeake

WEEKLY SUMMARY

Dates 05 / 03 / 02 - 05 / 09 / 02 Load Numbers 763-796 (not consecutive)

Range of Water Temp., Surface 59.5 - 63.5° F Below Mid-Depth 59-63° F

Areas Worked (lat/longs, stations) 46+00 to 96+00 ; red and green towlines

Are there incidents involving endangered or protected species? YES NO

Comments (turtle takes, whale sightings, effectiveness of screening, by-catch, material, other info):

Dredge operations continued at stations 46+00 to 96+00. Dredge material is comprised of fine, hand-packed sand and silt. Numerous rocks (of various sizes) are consistently plugging the screening boxes. Abiotic materials include rocks, wood and trash. Biological specimens include assorted species of crabs (horseshoe, spider and blue), assorted shellfish, whelk, whelk egg casings, skates and skate egg casings, coral, starfish, flounder, spiny dogfish, striped bass and cow-nosed rays.

No records or sightings of endangered or threatened species were recorded.

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
05/03	Tursiops truncatus / ~16 - 2 groups (both > 3 miles from shore)	- 30th St and Cape Henry
05/05	Tursiops truncatus / ~20 - 3 groups near vessel / 1 near shore	- 80's + Cape Henry
05/06	Tursiops truncatus / ~25 - 5 groups - mostly near Cape Henry / channel	
05/07	Tursiops truncatus / ~20 - 3 groups - 58th St / Ft Story / Channel	
/		
/	- most dolphin groups were observed to be traveling N; sightings were recorded throughout the day	
/		

Observers on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 05 / 10 / 02 Load Numbers 0799 - 0801

Area(s) Worked 46+00 to 96+00 ; red and green dow lines

Weather Conditions (incl. sea conditions) clear / seas calm-2 ft / winds NE <5 - 10 Knots air temp 70-80° F

Range of Water Temp., Surface 63 - 64°F Below Mid-Depth 62.5° - 63.5°F

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredging operations continued as usual in sections 46+00 to 96+00. Dredged material includes fine, hard-packed sand and silt. Rocks of various sizes were still filling the screening bokes. The overall abundance of biological specimens decreased in all loads. Abiotic samples included rock, wood and trash. Biological specimens included assorted crabs (horseshoe, spider and blue), assorted shellfish, whelk, flounder, striped bass, cow-nosed rays, skate, coral and starfish. A live cow-nosed ray was caught on the port overflow. Dredging operations were paused during the turn and the ray was released. No sightings or takes of threatened / endangered species were recorded

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	25-35	0955 / 80's Sts / traveling N ~200yards from vessel
T. truncatus	3-5	1500 / 58th St / ~2.5miles from shore / 1 Quad Ship
T. truncatus	2-3	1535 / channel / crossed bow / ~25yards

Observer(s) on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Raysond

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 05 / 11 / 02 Load Numbers 0804

Area(s) Worked 46+00 to 96+00 ; red and green channel lines

Weather Conditions (incl. sea conditions) cloudy / Seas 2-4ft / winds NE 10-20knots / air temp 65°F

Range of Water Temp., Surface 63.5°F Below Mid-Depth 63°F

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Only one load was collected due to poor weather conditions. Dredging continued in section 46+00 to 96+00. Dredged material was comprised of fine, hard-packed sand and silt. Rocks were still dredged but weren't nearly as abundant as in prior loads. Abiotic samples included rock and biological samples included horseshoe crabs, whelk & starfish. Overall abundance and diversity of biological specimens was lower than usual. We anchored after the first load until 0600 on 05/12/02.

No takes or sightings of endangered/threatened species were recorded.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 05 / 12 / 02 Load Numbers 805 - 807

Area(s) Worked 46+00 to 96+00 jned and green dow lines

Weather Conditions (incl. sea conditions) cloudy-clear / seas 1-3 ft / winds SW 5-10 knots / air temp 70-84°F

Range of Water Temp., Surface 64.5 - 65° F Below Mid-Depth 64 - 64.5° F

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredging operations continued in the 46+00 to 96+00 section. Dredged material was composed of fine, hard-packed sand and silt, along with rocks of various sizes. Abiotic samples included rock, wood and trash. Biological specimens included assorted crabs, whelk, flounder, spiny dogfish, starfish and coral.

No sightings or takes of endangered / threatened species were recorded.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel (Chesapeake Bay)

DAILY REPORT

Date 05 / 13 / 02 Load Numbers 810-812

Area(s) Worked 46+00/96+00 and 98+00/150+00

Weather Conditions (incl. sea conditions) clear to partly Sunny, seas 1-4 ft, wind 10-20 knots

Range of Water Temp., Surface 66 - 69 °F Below Mid-Depth

Condition and Effectiveness of Screening Fair

New hydraulic system on front gate of port forward inflow seemed unable to hold gate tightly shut → left ~5" gap open. Gate was pinned following day.

Are there incidents involving endangered or protected species? (YES) NO

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

A freshly killed loggerhead sea turtle (Caretta caretta) was discovered immediately following load #810 at 1000 hrs. Specimen recovered from STBD AFT INFLOW with several pieces recovered in STBD FORE INFLOW. Specimen was pieced together as best as possible for measurements, photographs, and schematic. Positive I.D. was made from remaining head, color of scutes, and flippers. Army Corps of Engineers Inspector KIRK BIGELOW was present and assisted with data collection. CHRIS SLAY* of Coastwise Consulting was notified and incident report and turtle schematic were faxed to him. Screening and dragheads were inspected and are in good working order. Specimen was tied in wire with a weight and disposed of at dump site. Other biological specimens included 53 horseshoe crabs, assorted crabs, whelks, polychaete worms, seastars, skates, fish, Abiotic material included rocks, wood, rope and other trash

* Will contact required NMFS personnel

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
T. truncatus	1	1530 on the way to dump site
T. truncatus	~3	1750 36°59' N 76°01' W

Observer(s) on duty LISA GREGORY

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel (Chesapeake Bay)

DAILY REPORT

Date 05 / 14 / 02 Load Numbers 815-816

Area(s) Worked 98+00/150+00

Weather Conditions (incl. sea conditions) partly cloudy, sea 1-3 ft, wind 10-20 knts

Range of Water Temp., Surface 66 °F Below Mid-Depth

Condition and Effectiveness of Screening Good

Pin extremely difficult to remove after loads in port fore inflow.

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

At least 33 horseshoe crabs were dredged in two loads. Other biological by-catch included skates, whelks, seastars, annelids, variety of gastropods, and crabs. Abiotic catch included rocks, wood, and a variety of trash.

No take of endangered or threatened species

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
No sightings		

Observer(s) on duty Lisa Gregory

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel (Chesapeake Bay)

DAILY REPORT

Date 05 / 15 / 02 Load Numbers 819

Area(s) Worked 98+00 / 150+00

Weather Conditions (incl. sea conditions) clear, sunny, sea 1-2 ft, wind SE 5-10 knts

Range of Water Temp., Surface 66.5 °F Below Mid-Depth

Condition and Effectiveness of Screening Fair - hydraulic system still work in progress Pin was not used in port fore inflow because of extreme difficulty removing it after loads. Six inch gap present during some of the load. Crew resolving issue

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredge went in for fuel and water from 08^{00} - 15^{00}. A total of 19 horseshoe crabs were dredged in one load. Other biological by-catch included whelks, skates, annelids, and sea stars. Abiotic catch included rocks and a piece of metal pipe.

No take of endangered or threatened species.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Lepidochelys kempii	1	15^{55} 37.0' N, 76° 01' W - observed breathing on 75 ft off port bow

Observer(s) on duty Lisa Gregory

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel (Chesapeake Bay)

DAILY REPORT

Date 05 / 16 / 02 Load Numbers 823-824

Area(s) Worked 98 tow / 150 #00

Weather Conditions (incl. sea conditions) partly cloudy, sea 1-3 fsw, wind 10-15 knts

Range of Water Temp., Surface 66-66.5 °F Below Mid-Depth

Condition and Effectiveness of Screening Excellent

Crew resolved gap in port fore inflow. All inflow boxes were pinned tightly.

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

A total of 31 horseshoe crabs were dredged in two loads. Other biological by-catch included skates, 2 dogfish, whelks and a variety of other gastropods, annelids, sea stars, blue crabs, and spider crabs. Abiotic catch included rocks, wood, and various trash.

No take of endangered or threatened species.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
(No sightings)		

Observer(s) on duty Lisa Gregory

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel (Chesapeake Bay)

WEEKLY SUMMARY

* 05/17/02 and 05/18/02 moved to next weekly summary *

Dates 05/10/02 - 05/19/02 Load Numbers 799-801, 804, 805-807, 810-812, 815-816, 819, 823-824, ~~828, 830~~, ~~832-834~~

Range of Water Temp., Surface 63-69 °F Below Mid-Depth

Areas Worked (lat/longs, stations) 46+00/96+00, 98+00/150+00

Are there incidents involving endangered or protected species? (YES) NO

Comments (turtle takes, whale sightings, effectiveness of screening, by-catch, material, other info):

Dredge continued operations at stations 46+00/96+00 and then began new stations 98+00/150+00.

~~One~~ ~~two~~ freshly killed loggerhead sea turtles (Caretta caretta) was ~~were~~ taken on 5/13/02 ~~and 5/16/02~~. See incident report and diagrams for more details. Chris Slay (Coastwise Consulting) and Kirk Bigelow (Army Corps of Engineers) were both notified.

On 17 May 02, observation began on a 6 on/6 off basis instead of 12 hours during the day. Over 151 horseshoe crabs were dredged during the week. Other biological catch included assorted gastropods, bivalves, crabs, sea stars, annelids, skates and a few spiny dogfish. Abiotic catch included rock, rope (and other trash), wire.

* Note, only one turtle taken this week - second turtle included in 05/17 - 05/23 weekly summary *

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
5/10	T. truncatus / 35-43	
5/13	T. truncatus / ~4	
5/15	Lepidochelys kempi / 1	observed breathing a 75ft off port bow
/		
/		
/		
/		

Observers on duty Lisa Gregory

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel (Chesapeake Bay)

DAILY REPORT

Date 05 / 17 / 02 Load Numbers 828, 830

Area(s) Worked 98+00 / 150+00

Weather Conditions (incl. sea conditions) clear, sea 1-4 ft, wind 15-20 knts

Range of Water Temp., Surface 66.5°F. Below Mid-Depth _____

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

A total of 30 horseshoe crabs were dredged in two loads. Other biological ~~data~~ by-catch included whelks, bivalves, annelids, skates and crabs. Abiotic catch included mostly rocks.

No take of endangered or threatened species.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
(No Sightings)		

Observer(s) on duty Lisa Gregory

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel (Chesapeake Bay)

DAILY REPORT

Date 05 / 18 / 02 Load Numbers 832-834

Area(s) Worked CB +00/150 +00

Weather Conditions (incl. sea conditions) overcast, rain, rough, sea 2-5 ft, wind SW 20-40 knots

Range of Water Temp., Surface 65-66.5 °F Below Mid-Depth

Condition and Effectiveness of Screening Excellent

All inflow boxes pinned tight during observation schedule - no gaps greater than 4 inches

Are there incidents involving endangered or protected species? (YES) NO

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

At 2100 hrs, a freshly killed loggerhead sea turtle (Caretta caretta) was discovered after load # 834. Specimen was recovered from STBD FORE INFLOW and was pieced together as best as possible for photographs, schematics, and measurements (when possible). Positive I.D. was made from head, flippers, and color of scutes. Next day, CHRIS SLAY (Coastwise Consulting) and KIRK BIGELOW were notified. Dredge's fax machine was not functioning. Specimen and weight were tied together with wire and disposed of at dump site.

Other biological specimens included 15 horseshoe crabs (about 2.5 loads), whelks, sea stars, annelids, and skates. Abiotic material included rocks especially in load #834 where at least 20 rocks were present with turtle in STBD FORE INFLOW.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
No sightings		

Observer(s) on duty Lisa Gregory

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel

DAILY REPORT

Date 05 / 19 / 02 Load Numbers 837 and 839

Area(s) Worked 98+00 to 150+00

Weather Conditions (incl. sea conditions) ove-cast/clear / Seas 1-4 Ft / winds 5-20knots /

Range of Water Temp., Surface 63°F Below Mid-Depth No data

Condition and Effectiveness of Screening - no notes -

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

- Dredging operations continued in section 98+00 / 150+00.
- Biological specimens included skates, whelks, sea stars, snails, annelids and horseshoe crabs (11 in load 837 and 7 in load 839). Abiotic samples included rock, metal wire, pipe, rope and wood.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Lisa Gregory - (completed by Holly Feaumbach)

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 05 / 20 / 02 Load Numbers 841 - 844

Area(s) Worked Sections 98°00 / 150°00 ; 36 59.91N 76 01.29W

Weather Conditions (incl. sea conditions) clear / seas 1-3ft / winds 5-15knots / air temp 58-68F

Range of Water Temp., Surface 63-64°F Below Mid-Depth 62°F

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredge operations continued as usual. Observer Holly Fearnbach boarded @ 0800. Dredged material consisted of finely packed sand w/ silt. Abiotic materials included rock, wood and trash. Biological specimens consisted of a large number of skates, whelk, whelk egg casings, skate egg casings, gastropods, annelids, and SO horseshoe crabs.

No takes or sightings of threatened or endangered species were recorded

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	3-5	0940 / ~58th St / ~10 yards off port bow / traveling

Observer(s) on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 05 / 21 / 02 Load Numbers 846, 848-849

Area(s) Worked Sections 98+00 / 150+00 / 36 59.91 N 76 01.29W

Weather Conditions (incl. sea conditions) partly cloudy/clear / Seas 1-3ft / winds S-10knots / air temp 55-65°F

Range of Water Temp., Surface 62°F Below Mid-Depth 61 °F

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredge operations continued as usual at stations 98+00 / 150+00 (36 59.91N, 76 01.29W). Dredged material consisted of finely packed sand w/ silt. Abiotic materials included wood, trash and rocks. Biological specimens included cleanocsed skates, whelk, whelk egg casings, 1 spiny dogfish, misc. crabs, spider crabs, 34 horseshoe crabs, gastropods (misc) and annelids.

* a lot of skates taken in every load (50+)

No sightings or takes of endangered or threatened species were recorded.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
∅		

Observer(s) on duty Molly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 05 / 22 / 02 Load Numbers 851-854

Area(s) Worked stations 98°00 / 150°00'; 36 59.91N 76 01.29W

Weather Conditions (incl. sea conditions) clear / seas 1-3ft / winds ENE 5-15 knots / air temp 56-69°F

Range of Water Temp., Surface 61-62°F Below Mid-Depth 61-62°F

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredging operations continued as usual at stations 98°00 / 150°00'; 36 59.91N 76 01.29W. Dredged material consisted of finely packed sand w/ silt. Abiotic materials consist of rock, wood and trash. Biological specimens include skates, whelk, horseshoe crabs, spider crabs, misc. crabs, gastropods, annelids, 1 oyster, and 1 bullshark (~3.5ft in length).

No sightings or takes of endangered species were recorded. One loggerhead (Caretta caretta) was recorded @1103, just off the dredge mud/ship.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Caretta caretta	1	1103 / 36 54.02N 75 56.58W / turtle spotted just off dredge - midship on starboard side - backing astern

Observer(s) on duty Kelly Feaunbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 05 / 23 / 02 Load Numbers 855-856, 858-859

Area(s) Worked stations 98+00 / 150+00 / 36 59.91 N 76 01.29W

Weather Conditions (incl. sea conditions) clear / seas 1-3 ft / winds calm-10 knots / 56-82°F air temp

Range of Water Temp., Surface 61-64°F Below Mid-Depth 61-64°F

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? (YES) NO

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredge operations continued in stations 98+00 / 150+00 (36 59.91N 76 01.29W). Dredged material consisted of finely packed sand and silt. Abiotic materials consisted of rocks, wood and trash. Biological specimens included skates (50+), 25 horseshoe crabs, spider crabs, mise crabs, annelids, whelk, whelk egg casings, gastropods, seastars and a fish head (probably croaker).

A loggerhead turtle (Caretta caretta) was taken in load 855. Time of recovery was 0615 and carapace/plastron segment was found in starboard fore inflow screen. Fresh muscle and viscera were still attached. No odor observed (fresh dead animal).

Army Corps were on board nearly am to examine carcass

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	5-7	1120/36 53.87N 75 56.54W / traveling N
Tursiops truncatus	8-12	1820/36 59.83N 76 01.05W / milling just off port side

Observer(s) on duty Holly Feanbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel / Chesapeake

WEEKLY SUMMARY

Note * previous weekly summary was only supposed to include 05/10 - 05/16 *

Dates 05 / 17 / 02 - 05 / 23 / 02 Load Numbers 828, 830, 833-834, 837, 839, 841-844, 846, 848-849, 851-854, 855-856, 858-859

Range of Water Temp., Surface 61 - 64.5° F. Below Mid-Depth 61 - 64 °F

Areas Worked (lat/longs, stations) 98+00 / 150+00, 36 59.91N 76 01.29W

Are there incidents involving endangered or protected species? (YES) NO

Comments (turtle takes, whale sightings, effectiveness of screening, by-catch, material, other info):

Dredging operations continued at stations 98+00/150+00 (36 59.91N, 76 01.29W). Dredged material consisted of finely packed sand with silt. ~~Biological Specimens~~ included horseshoe crabs (228), clear-nosed skates (usually 50+ a day), whelk, whelk egg casings, skate egg casings, Seastars, gastropods, annelids, spiny dogfish, croaker, flounder, Spider crabs, misc. crabs and 1 bull shark (~3.5 ft). Abiotic materials included rock, wood and trash. One live loggerhead (Caretta caretta) was spotted on 05/22/02. Two loggerhead turtles (Caretta caretta) were taken (05/18 and 05/23). See incident reports for diagrams and details. Chris Slay (Coastwise Consulting), Kirk Bigelow (Army Corps of Engineers) and Carrie McDaniels (NMFS) were notified of both takes.

* Observations continued on a 6 hr on / 6 hr off schedule.

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
05 / 20	Tursiops truncatus 3-5 / 0940 / 38+45+ / 10 yrds off port bow /	travel
05 / 22	Caretta caretta 1 / 1103 / 36 54.02N 75 56.58N /	just off starboard midship
05 / 23	Tursiops truncatus 5-7 / 1820 / 36 53.87N 75 56.54W /	traveling N
05 / 23	Tursiops truncatus 8-12 / 1820 / 36 59.83N 75 61.05W /	milling just off port side
/		
/		
/		

Observers on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 05 / 24 / 02 Load Numbers 860 - 861

Area(s) Worked 98+00 / 150+00 ; 36°59.91N 76 01.39W

Weather Conditions (incl. sea conditions) clear / seas 1-3 ft / winds 5-15 knots / air temp 58-74°F

Range of Water Temp., Surface 61-62° F Below Mid-Depth 61-61° F

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredge operations continued as usual at stations 98+00 / 150+00 (36 59.91N, 76 01.39W). Dredged material included finely packed sand w/ silt. Abiotic materials included rock, wood and trash. Biological specimens included skates (~50), 13 horseshoe crabs, spider crabs, misc crabs, whelk, annelids & sea stars.

No takes of threatened or endangered species were recorded.

A dead, floating loggerhead was sighted @ ~1200. Turtle was a moderately decomposed loggerhead and was taken to Little Creek Marina for the Virginia Marine Science Museum. Straight carapace length was 72 cm.

* dredge operations were called off until trawler arrives - ETA 05/27/02 * 1455 *

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	5-7	0755 / 36 52.95N 75 55.74W / traveling N
Tursiops truncatus	3-5	0825 / 36 57.46N 75 59.22W / just off starboard bow / mill

Observer(s) on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 05 / 26 / 02 Load Numbers 862-864

Area(s) Worked 98+00 / 150+00 ; 36 59.91 N 76 01.29 W

Weather Conditions (incl. sea conditions) clear / seas 1-4 ft / wind S-15 knots / air temp 68-85°F

Range of Water Temp., Surface 64-67°F Below Mid-Depth 64-66°F

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch. etc.):

Dredging operations resumed with trawler, Winds of Fortune @ 1148. Operations continued in stations 98+00/150+00 (36 59.91N 76 01.29N). Dredged material consisted of finely packed sand with silt. Abiotic materials consisted of wood and trash. Biological specimens consisted of 54 horseshoe crabs, spider crabs, misc. crabs, whelk, moon snails, striped bass, fishhead (perch?), skates, rays, annelids, 1 flounder and sea stars.

A dead, bloated loggerhead was spotted @ 1310 at 36 59.81N 76 01.03N. Winds of Fortune tried to recover carcass but couldn't. They towed the turtle close to shore and the Virginia Marine Science Museum was contacted.

No takes of endangered/threatened species were recorded.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Caretta caretta	1	1310 / 36 59.81N, 76 01.03W / dead, extremely bloated -
Tursiops truncatus	3-5	1620 / 36 58.38N, 76 59.69W / socializing ~100 yards off Starboard bow

Observer(s) on duty Lobilly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 05 / 27 / 02 Load Numbers 866, 868-869

Area(s) Worked 98+00 / 150+00 ; 36 59.91N 76 01.29W

Weather Conditions (incl. sea conditions) clear / seas calm - 4ft / winds S-15knots / air temp 69-74°

Range of Water Temp., Surface 66-67°F Below Mid-Depth 65-66°F

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredging operations continued as usual at stations 98+00 / 150+00 (36 59.91N 76 01.29W). Dredged material consisted of finely packed sand w/ silt. Abiotic materials included rock, wood and trash. Biological specimens included 61 horseshoe crabs, spider, blue and misc. crabs, flounder, 1 spiny dogfish, whelk, annelids, skates, moon snails and skate egg cases.

No sightings or takes of endangered / threatened species were recorded

Bridge Watch Summary

* all approx 3 miles from shore

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	4-6	0715 / 36 58.54N / 75 55.39W / mill
T. truncatus	5-7	0740 / 36 56.95N / 75 57.73W / mill
T. truncatus	2-3	0758 / 36 57.77N / 75 59.10W / socialize
		* all just off dredge

Observer(s) on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 05 / 28 / 02 Load Numbers 870-871, 873-874

Area(s) Worked 98+00 / 150+00 ; 3659.91 N 7601.29 W

Weather Conditions (incl. sea conditions) clear-hazy / seas-calm w/1-2ft swell / winds calm-10 Knots / airtemp 69-76°F

Range of Water Temp., Surface 66-68°F Below Mid-Depth 66-67°F

Condition and Effectiveness of Screening good

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

* trawler did have a live take - released + tagged

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredging operations continued as usual at stations 98+00 / 150+00 (3659.91 N 7601.29 W). Trawler "Winds of Fortune" worked from 0500 to 1700. A turtle (live) was recovered @ 1530. Carapace length was 90 cm and carapace width was 79 cm. Tail length (10 cm) supports that this was a male. The turtle was tagged + released by Jim Diaky (observer). Approx weight was 200 lbs. Dredged material consisted of finely packed sand and silt. Abiotic materials include rock, wood and trash. Biological specimens included skates, whelk, whelk egg casings, 104 horseshoe crabs, spider, blue and misc. crabs, moon snails, assorted annelids and flounder.

No sightings or takes of endangered / threatened species were recorded for the dredge.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	25-30	0620 / 3659.72N 7601.01W (in channel) / 2 subgroups / mill thru travel N
Tursiops truncatus	2-3	1140 / ~39th St / ~200 yards from dredge - travel N

Observer(s) on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 05 / 09 / 02 Load Numbers 876 - 877

Area(s) Worked 98+00 / 150+00 ; 36 59.91N 76 01.09W

Weather Conditions (incl. sea conditions) clear - haze / Seas 2-3 ft / Winds ESE 5-15 knots / SSE air temp 74-78 °F

Range of Water Temp., Surface 68-69°F Below Mid-Depth 68-69°F

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? YES (NO)

* thawer caught a loggerhead @1530 - released ~7 miles offshore

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredging operations continued at stations 98+00 / 150+00 (36 59.91N 76 01.09W). Dredge operations halted after early morning load 875 to refuel in Hampton. Bayport anchored from 0900 to 1430. Dredge operations resumed at 1528. "Winds of fortune" trawled a loggerhead at 1530. Straight carapace length was 58cm, width was 56cm and tail length was 7.5cm. The turtle was apparently in good health and was released ~7 miles offshore. Dredged material consisted of finely packed sand with silt. Abiotic materials included rock, trash and wood. Biological specimens included 36 horseshoe crabs, spider, blue and misc crabs, whelk, flounder, moon snails and skates. No takes of endangered or threatened species were recorded. A live loggerhead was sighted surfacing at 1855.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	4-6	0803 / 36 58.13N 76 04.96W / traveling E - ~50 yards from bow
Tursiops truncatus	8-10	1605 / in channel / ~50 yards off port bow social / milling
~~Balaenoptera~~ Caretta caretta	1	1855 / 36 51.34N 75 54.35W / 4 yards off port mid-ship surfaced <2s
T. truncatus	4-6	1931 / 36 56.66N 75 58.41W / traveling S

Observer(s) on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 05 / 30 / 02 Load Numbers 879-880, 882

Area(s) Worked 98+00 / 150+00, 36 59.91N 76 01.29W

Weather Conditions (incl. sea conditions) clear-haze / seas 1-3ft / winds SE 5-10knots / air temp 70-80 F

Range of Water Temp., Surface 68°F Below Mid-Depth 68°F

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredging operations continued as usual at stations 98+00 / 150+00 (36 59.91N, 76 01.29W). Dredged material consisted of finely packed sand with silt. Abiotic materials included rope, trash, rock and wood. Biological specimens included 49 horseshoe crabs, spider, blue and misc. crabs, flounder, skates, whelk, whelk egg casings, annelids, moon snails, 1 spiny dogfish and 1 bull shark (~2.5 ft). "Winds of Fortune" (trawler) worked from ~0530 to 1330. No turtles were trawled. No takes or sightings of endangered or threatened species were recorded.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	2	0915 / 36 54.85N 75 56.92W / surfacing just off portside bow
Tursiops truncatus	5-7	1835 / 36 54.04N 75 56.66W / ~100 yards off starboard bow social/porpoising
Tursiops truncatus	2-3	1850 / 36 56.48N 75 58.36W / ~25 yards off starboard bow

Observer(s) on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Barnard

Project: Cape Henry Channel / Chesapeake

WEEKLY SUMMARY

Dates 05 / 24 / 02 - 05 / 30 / 02 Load Numbers 860-861, 862-864, 866, 868-869, 870-871, 873-874, 876-877, 879-880, 882

Range of Water Temp., Surface 61-69°F Below Mid-Depth 61-69°

Areas Worked (lat/longs, stations) 98+00/150+00; 36 59.91N 76 01.29W

Are there incidents involving endangered or protected species? YES (NO)

* trawler caught 2 loggerheads + released

Comments (turtle takes, whale sightings, effectiveness of screening, by-catch, material, other info):

Dredge operations continued at stations 98+00/150+00 (3659.91N 7601.29W). Dredge operations halted at 1455 on 05/24/02 until the trawler "Winds of Fortune" arrived on 05/26/02. Dredge operations resumed at ~1230 on 05/26/02. Two dead, bloated loggerhead were sighted floating in the channel. The first, observed on 05/24/02 was taken to Little Creek Marina and picked up by the Virginia Marine Science Museum. The second, observed on the 26th, was towed into shore by the trawler. "Winds of Fortune" trawled loggerheads (2) on the 28th and 29th. Carapace measurements were: L-90cm, W-79cm, tail-10cm and L-58cm, W-56cm, tail 7.5cm, respectively. Trawler typically worked from 0500 to 1700. Dredged materials consisted of finely packed sand with silt. Abiotic materials included rocks, wood and trash. Biological specimens included 307 horseshoe crabs, spider, blue and misc crabs, whelk, egg casings, flounder, moon snails, annelids, spiny dogfish, bullsharks (2x) and seastars. No takes of threatened/endangered species were recorded. One live loggerhead was observed on the 29th.

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
05/24	Tursiops truncatus / ~10 / sighted in the morning (2 sightings (0755 and 0825))	traveling / mill
05/24 *	Caretta caretta / 1 / dead / floating	picked up by Virginia Marine Science Museum
05/26 *	Caretta caretta / 1 / dead / floating / 3659.51N 7601.03W	towed to beach
05/26	Tursiops truncatus / 4 / 1620 / 36 58.38N 76 59.69W	social ~100 yrds off bow
05/27	Tursiops truncatus / 3 sightings from 0715 - 0752	all ~3 miles from shore / mill / social
05/28	Tursiops truncatus / ~30 (2 sightings) 0620 and 1140	in channel + 3 passed / mill / travel
05/29 *	Caretta caretta / 1 / 36 51.34N 75 54.35W	surfaced just off port motor tip
05/29	Tursiops truncatus / ~17	in channel + en route to / from dump / travel / social
05/30	Tursiops truncatus / ~10	" " "

Observers on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 05 / 31 / 02 Load Numbers 884-885, 887-888

Area(s) Worked 98+00 / 150+00; 36 59.91N 76 01.29W

Weather Conditions (incl. sea conditions) clear / seas - calm - 4 ft / winds calm - 15 knots / air temp 76-86 °F

Range of Water Temp., Surface 68 - 72 °F Below Mid-Depth 68 - 71 °F

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredge operations continued as usual at stations 98+00 / 150+00 (36 59.91N 76 01.29W). Trawler was on standby until ~1730. Resumed trawling until ~2330. No turtles were trawled.

Dredged material consisted of finely packed sand with silt. Abiotic material consisted of rock, wood and trash. Biological specimens included 71 horseshoe crabs, spider, blue and misc crabs, skates, whelk, flounder, moon snails, cow-nosed ray, skate + whelk egg-casings and annelids.

No sightings or takes of endangered or threatened species were recorded.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	2	0808 / 36 52.55N 75 55.10 W / traveling S
Tursiops truncatus	8-10	0818 / 36 54.19N 75 56.43W / traveling S (in channel)
Tursiops truncatus	~50	1015 / 37 00.04N 76 01.34W / traveling N / crossed bow (in channel)
Tursiops truncatus	8-10	1835 / 37 00.06N 76 01.34 W / traveling N / just off bow

Observer(s) on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bryant

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 06 / 01 / 02 Load Numbers 889, 891-892

Area(s) Worked 98+00 / 150+00; 36 59.91N 76 01.29W

Weather Conditions (incl. sea conditions) cloudy-clear / seas 1-2 ft / winds 5-15 knots / air temp 70-80°F

Range of Water Temp., Surface 71-73°F Below Mid-Depth 70-71°F

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? (YES) NO

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredge operations continued at stations 98+00 / 150+00 (36 59.91N 76 01.29W). Trawler, "Winds of Fortune" worked from 0500 until 2000. Dredged material consisted of fine, packed sand with silt. Abiotic materials included rock, wood and trash. A green sea turtle (Chelonia mydas) was recovered from the port side fore inflow screen following load 891. The turtle was a fresh take and suffered from a severe crack along the ventebral scutes. Several lateral cracks were visible into the costal scutes, along with various chips from the carapace and along the marginal scutes. Blood was observed and all internal organs were exposed but still intact. Measurements and photographs were taken and the turtle was frozen whole. Please see attached incident report for further details / diagram.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
ø (catch)		Biological specimens included 55 horseshoe crabs, spider, blue and mud crabs, whelk, skate, egg casings, 1 spiny dogfish, 1 bullshark (~1.5 ft), moon snails, annelids, flounder and assorted shellfish

Observer(s) on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel / Chesapeake Bay

DAILY REPORT

Date 06 / 03 / 02 Load Numbers 893-896

Area(s) Worked 98+00 / 150+00 (36 59.91N 76 01.29W)

Weather Conditions (incl. sea conditions) cldy-ptly cldy / seas 1-2 ft / winds 5-10 Knots / 72-87°F air temp

Range of Water Temp., Surface 71-72°F Below Mid-Depth 70-72°F

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredging operations continued as usual at stations 98+00 / 150+00 (36 59.91N 76 01.29W). Trawling operations ran from 0500 to ~1900. Abiotic materials consisted of wood, rock and trash. Dredged materials consisted of finely packed sand with silt. Biological specimens included 41 horseshoe crabs, spider, blue and mud crabs, spiny dogfish, 1 bull shark (~2.5 ft), moon snails, annelids, whelk, egg casings, skates and flounder.

No takes or sightings of endangered or threatened species were recorded.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Holly Feavnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel

DAILY REPORT

Date 06 / 03 / 02 Load Numbers 897

Area(s) Worked 98rd - 152nd (36°59.9'N / 76°01.2'W)

Weather Conditions (incl. sea conditions) Light wind, sea 1-2 ft.

Range of Water Temp., Surface 70°F Below Mid-Depth

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

One load taken during observer's off duty. Dredge went to dock for repairs @ 0400 and remained there until midnight.

New observer Lisa Gregory boarded dredge on 6/3 @ 1730

* No incidents of endangered or threatened species.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
NO SIGHTINGS		

Observer(s) on duty Holly Feuntach - completed by Lisa Gregory

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel (Chesapeake Bay, VA)

DAILY REPORT

Date 6 / 04 / 02 Load Numbers 899, 901

Area(s) Worked Mid cut : 36°59.9'N/76°01.2W Red Tows, 96+00/150+00

Weather Conditions (incl. sea conditions) Sunny/hazy → clear/calm, Sea 1-3ft → 0.5-2ft, Wind SE 10-15 knots wind ~5 knots

Range of Water Temp., Surface 70-71°F Below Mid-Depth 70°F

Condition and Effectiveness of Screening Good - All four inflow boxes have hydraulic controlled doors

Are there incidents involving endangered or protected species? (YES) NO

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch. etc.):

A portion of loggerhead carapace (vertebral) was discovered after Load # 901 at 2230 in the PORT FORWARD INFLOW screen. The 32 x 30 cm portion of carapace included the nuchal scute, 2 3/4 vertebral scutes, and some part of 7 costal scutes. Sample came from a freshly killed turtle due to pink tissue and blood spots near vertebral bone tissue, lack of foul odor, and sharp protusions of bone fragments. Photographs and measurements were taken and sample was then stored in ship's freezer pending any additional parts that may be recovered in subsequent loads. Bob Richardson (Manson), Chris Slay (Coastwise Consulting), and Kirk Biglow (Army Corps) were all notified. Please see incident report for more details. Screening and dragheads were inspected and determined to be in good working order. Other biological catch included 3 horseshoe crabs, skates, whelks, annelids, & assorted crabs. Abiotic catch included wood, tape, and a glove. Trawler "Winds of Fortune" trawled surrounding area between 0500 - 1700 hrs - no turtles caught.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
T. truncatus	4	1310 - SE of channel on port side

Observer(s) on duty Lisa Gregory

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel (Chesapeake Bay, VA)

DAILY REPORT

Date 6 / 05 / 02 Load Numbers 903, 905, 906

Area(s) Worked Mid Cut: 36°59.9N / 76°01.2W RED & GREEN TOWS, 96+00/150+00

Weather Conditions (incl. sea conditions) Sunny/hazy → clear, calm; sea 1-3 ft; wind SW light & variable

Range of Water Temp., Surface 72-74° F Below Mid-Depth 71-72° F

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch. etc.):

Winds of Fortune trawled surrounding area between 0500 - 1700 hrs → no turtles captured.

Biological by-catch included 3 horseshoe crabs, whelks, & skates. Abiotic material included wood & stones.

No sightings of threatened or endangered species.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
T. truncatus	2	0730 in channel

Observer(s) on duty Lisa Gregory

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel (Chesapeake Bay, VA)

DAILY REPORT

Date 6 / 06 / 02 Load Numbers 908, 910

Area(s) Worked Mid cut: 36°59.9'N / 76°01.2W Center/variable tows Stations: 96 tow / 150 tow

Weather Conditions (incl. sea conditions) sunny, clear / overcast, lightning, rain; sea 1-3ft / 2-4ft; wind 10-20 knots

Range of Water Temp., Surface 73-74°F Below Mid-Depth 72-73°F

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch. etc.):

Trawling ended yesterday evening.

Biological by-catch included 2 horseshoe crabs, skates, and whelks

Abiotic material included wood, stones, and a gas cylinder.

NO sightings of threatened or endangered species.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
[NO SIGHTINGS]		

Observer(s) on duty Lisa Gregory

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel (Chesapeake Bay, VA)

WEEKLY SUMMARY

Dates 05/31/02 - 06/06/02 Load Numbers 884-85, 887-88, 889, 891-92, 893-96 * 897, 899, 901, 903, 905-06, 908, 910 * off-duty

Range of Water Temp., Surface 68-74°F Below Mid-Depth 68-73°F

Areas Worked (lat/longs, stations) Mid cut: 36°59.9'N / 76°01.2'W Stations 98 to 100 / 150 to 100 (96 now)

Are there incidents involving endangered or protected species? (YES) NO

Comments (turtle takes, whale sightings, effectiveness of screening, by-catch, material, other info):

Observer Lisa Gregory (Coastwise Consulting) boarded dredge while docked for repairs on 6/3 @ 1730. All other days during the week, dredge continued operations as usual at stations 98 to 100 / 150 to 100 (96 now). Trawler, "Winds of Fortune", trawled surrounding area from 5/31 - 6/5. No turtles were captured in trawl. A green sea turtle (Chelonia mydas) was recovered from the PORT FOREWARD INFLOW screen (6/1 - load # 891). A portion of loggerhead (Caretta caretta) carapace was recovered from the same screen on 6/4 (load # 901). Both were determined to be fresh kills. Please see incident reports for more details.

Dredged material included silt and fine sand. Biological by-catch included 175 horseshoe crabs, skates, whelks and other gastropods, annelids, dogfish, bull shark, blue crabs and other assorted crabs, and flounder. Abiotic material included wood, stones, assorted trash, and a gas cylinder.

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
5/31	Tursiops truncatus, 2	0808
5/31	" 8-10	0818
5/31	" 250	1015
5/31	" 8-10	1835
6/4	" 4	1310
6/5	" 2	0730
1		

Observers on duty Lisa Gregory

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel (Chesapeake BAY, VA)

DAILY REPORT

Date 6 / 7 / 02 Load Numbers 912-913

Area(s) Worked MID CUT: 36°59.9'N / 76°01.2W VARIABLE TOW STATIONS: 96+00 / 150+00

Weather Conditions (incl. sea conditions) overcast, sea 2-5 ft, WIND 20-30 knots

Range of Water Temp., Surface 72-73°F Below Mid-Depth 72°F

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredge anchored inshore throughout evening/night due to rough seas and wind.

Biological by-catch included 4 horseshoe crabs, skates, whelks. Abiotic material included stones, wood, net, cloth, and rope.

No sightings of endangered or threatened species.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Lisa Gregory

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel (Chesapeake Bay, VA)

DAILY REPORT

Date 6 / 8 / 02 Load Numbers 914, 916

Area(s) Worked mid center cut: 36°54.9'N/76°01.2'W VARIABLE TOW Stations: 96 to 1030 hrs

Weather Conditions (incl. sea conditions) clear, sea 2-4 / 1-3 ft, wind E 15-25 knots / light + variable

Range of Water Temp., Surface 66°F Below Mid-Depth 65°F

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Biological by-catch included 6 horseshoe crabs, sharkeye snails, whelks, seastars, small gastropods, & skates. Abiotic material included stones & rope.

No sightings of threatened or endangered species.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
NO SIGHTINGS		

Observer(s) on duty Lesia Gregory

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY Channel, CHESAPEAKE BAY

DAILY REPORT

Date 6 / 9 / 02 Load Numbers 918, 919, 921

Area(s) Worked 36°59'N / 76°01.2W 96^too - 150^too

Weather Conditions (incl. sea conditions) Clear, SEAS 3-4 SWELL, WIND CALM

Range of Water Temp., Surface 66° - 67°F Below Mid-Depth 65 °F

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

BIOLOGICAL BYCATCH INCLUDED: 7 HORSESHOE CRABS, 2 BLUE CRABS, 2 SKATES, AND SMALL GASTROPODS. OTHER DEBRIS INCLUDED STONE, NET, AND ROPE

OBSERVER STACIE KNIGHT REPLACED LISA GREGORY

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
NO SIGHTINGS		

Observer(s) on duty STACIE KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL, CHESAPEAKE BAY

DAILY REPORT

Date 6 / 10 / 07 Load Numbers 923-926

Area(s) Worked STATIONS 96+00 - 150+00

Weather Conditions (incl. sea conditions) CLEAR, WIND SW 5, SEAS 1-2'

Range of Water Temp., Surface 68 - 70 °F Below Mid-Depth 67 - 69 °F

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

- MATERIAL DREDGED WAS COURSE SAND AND SILT

- BIOLOGICAL BY-CATCH CONSISTED OF: 39 HORSE SHOE CRABS, 2 SPIDER CRABS, 1 MOON SNAIL, 6 SKATES, 1 RAY 1 FLOUNDER, & WHELK EGG CASE

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
No Sightings		

Observer(s) on duty STACIE KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY Channel, Chesapeake Bay

DAILY REPORT

Date 6 / 11 / 02 Load Numbers 928 + 930

Area(s) Worked Stations 96+00 - 150+00

Weather Conditions (incl. sea conditions) CLEAR, SW WIND 5-10 kts, SEAS 1-4'

Range of Water Temp., Surface 71 - 70 °F Below Mid-Depth 69 - 70 °F

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

MATERIAL DREDGED WAS COURSE SAND

BIOLOGICAL BY CATCH INCLUDED: 4 HORSESHOE CRAB, 2 Spider crab, 3 BLUE CRAB, 3 SKATES, AND 1 SEA Star

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
No Sightings		

Observer(s) on duty Stacie KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAyport

Project: CAPE HENRY CHANNEL, CHEASAPEAKE BAY

DAILY REPORT

Date 6 / 12 / 02 Load Numbers 932 - 933

Area(s) Worked STATIONS 96 +00 - 150 +00, 36°59.9 N, 76°01.2 W

Weather Conditions (incl. sea conditions) PARTLY CLOUDY SW WIND 10 KTS, SEAS 2-4

Range of Water Temp., Surface 70 °F Below Mid-Depth 70 °F

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

- MATERIAL DREDGED WAS COURSE SAND

- BIOLOGICAL BY-CATCH INCLUDED: 8 HORSE-SHOE CRABS, 2 RAYS, 1 SKATE, 1 BLUE CRAB

- DREDGE WENT TO DOCK FOR REPAIRS ON DRAG ARM

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
No sightings		

Observer(s) on duty Stacie KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL, CHEASAPEAKE BAY

DAILY REPORT

Date 6 / 13 / 02 Load Numbers 935, 936

Area(s) Worked STATIONS 96+00 - 150+00 36°59.9 N, 76°01'

Weather Conditions (incl. sea conditions) RAIN, PARTLY Cloudy, NE WIND 5-15KT, SEAS 3-5'

Range of Water Temp., Surface 71°- 72° F Below Mid-Depth 70 °F

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

- MATERIAL DREDGED WAS COURSE SAND

- BIOLOGICAL BY-CATCH CONSISTED OF: 4 HORSESHOE CRABS, 2 BLUE CRABS, 1 SPIDER CRAB, 5 CLEARNOSE SKATE, 5 STINGRAY, WHELK EGG CASE

- AN ADULT DEAD LOGGERHEAD TURTLE WAS SEEN FLOATING IN THE CHANNEL AS DREDGE WAS EN ROUTE TO DREDGING SITE FROM DOCK. TURTLE HAD A CRACK IN THE CARAPACE, BUT WAS INTACT. TURTLE APPEARED TO HAVE BEEN A BOAT STRIKE

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Caretta caretta	1	1030, IN CHANNEL 36° 59.2 N, 76° 01.1 W
		DEAD ADULT TURTLE ~* 100 CM CCL
		* ESTIMATE FROM Dredge

Observer(s) on duty STACIE KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL, CHESAPEAKE BAY

WEEKLY SUMMARY

Dates 6 / 7 /02 - 6 / 13 /02 Load Numbers 912, 913, 914, 916, 918, 919, 921 923-926, 928, 930, 932, 933, 935, 936

Range of Water Temp., Surface 73 - 66 °F Below Mid-Depth 72 - 65 °F

Areas Worked (lat/longs, stations) STATIONS 96+00 / 150+00, 36°59.9 76 01.2

Are there incidents involving endangered or protected species? YES (NO)

Comments (turtle takes, whale sightings, effectiveness of screening, by-catch, material, other info):

- MATERIAL DREDGED WAS COURSE SAND

- BIOLOGICAL BY CATCH CONSISTED OF: 72 HORSE-SHOE CRABS, 8 BLUE CRABS, 5 SPIDER CRABS, 8 STINGRAY, 15 CLEARNOSE SKATES, MOON SNAILS, WHELK, WHELK EGG CASE, AND SEA STAR

- OTHER DEBRIS INCLUDED, NET, LINE, ROPE, AND STONE

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
6 / 13	Caretta caretta 1	DEAD ADULT FLOATING IN CHANNEL. INJURIES APPEARED TO BE FROM A Boat Strike. ANIMAL INTACT WITH CRACK IN TH CARAPACE
/		
/		
/		
/		
/		

Observers on duty STACIE KNIGHT, LISA GREGORY

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: SAYPORT

Project: CAPE HENRY CHANNEL, CHESAPEAKE BAY

DAILY REPORT

Date 6 / 14 / 02 Load Numbers 937 - 940

Area(s) Worked 37° 00'. 01 N, 76° 01'. 54 STATIONS 96+00 - 150+00

Weather Conditions (incl. sea conditions) RAIN, cloudy, SW WIND 5-15, SEAS 2-4

Range of Water Temp., Surface 71 - 70 °F Below Mid-Depth 70 °F

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

- MATERIAL DREDGED WAS COURSE SAND

- BIOLOGICAL BY-CATCH INCLUDED: 4 HORSESHOE CRABS, 2 BLUE CRABS, 1 SPIDER CRAB, 3 RAYS, 5 CLEARNOSE SKATES, KNOBBED WHELKS, MOON SNAILS, AND WHELK EGG CASES.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	1	0905 IN CHANNEL 36° 50'. 6 N 75° 53. 8

Observer(s) on duty STACIE KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAY PORT

Project: CAPE HENRY Channel, CHESAPEAKE BAY

DAILY REPORT

Date 6 / 15 / 02 Load Numbers 941- 944

Area(s) Worked STATIONS 96 +00, 150 +00

Weather Conditions (incl. sea conditions) PARTLY CLOUDY, SW → SE WINDS 5-10 KTS, SEAS 1-3

Range of Water Temp., Surface 72 ° F Below Mid-Depth 72 - 71 °

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

- MATERIAL DREDGED WAS COURSE SAND AND ROCK

- BIOLOGICAL BY-CATCH INCLUDED ; 6 HORSESHOE CRABS 2 BLUE CRAB, 1 SPIDER CRAB, 11 SKATES, MOON SNAILS, 4 WHELK

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
NO SIGHTINGS		

Observer(s) on duty Stacie KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY Channel

DAILY REPORT

Date 6 / 16 / 02 Load Numbers 946 - 949

Area(s) Worked STATIONS 96+00 -150+00

Weather Conditions (incl. sea conditions) Clear, S winds 5-10 kts, SEAS 1-2'

Range of Water Temp., Surface 73 - 72 Below Mid-Depth 72 - 71 °F

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

MATERIAL DREDGED WAS SAND, SILT AND ROCK

BIOLOGICAL BYCATCH INCLUDED: 4 HORSESHOE CRABS, 7 SKATES, KNOBBED WHELK, MOON SNAILS AND Quahog.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
No Sightings		

Observer(s) on duty STACIE KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYport

Project: CAPE HENRY channel, CHEASAPEAKE BAY

DAILY REPORT

Date 6 / 17 / 02 Load Numbers 950 - 953

Area(s) Worked STATIONS 96 too -150 too

Weather Conditions (incl. sea conditions) PARTLY Cloudy, S wind 5-10 kt, SEAS 1-2'

Range of Water Temp., Surface 74 - 73 °F Below Mid-Depth 73 - 72 °F

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

- MATERIAL DREDGED WAS SAND, SILT AND ROCK

- BIOLOGICAL BY-CATCH FOUND IN SCREENING INCLUDED: 6 HORSESHOE CRABS, 1 Spider crab 5 SKATES, WHELKS, AND WHEIK EGG CASES

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
No Sightings		

Observer(s) on duty STACIE KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL

DAILY REPORT

Date 6 / 18 / 02 Load Numbers 955

Area(s) Worked STATIONS 96+00 - 150+00

Weather Conditions (incl. sea conditions) Cloudy And CALM

Range of Water Temp., Surface 74 °F Below Mid-Depth 73 °F

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

MATERIAL DREDGED WAS SAND AND SILT

BIOLOGICAL BY-CATCH INCLUDED 1 HORSE SHOE CRAB AND 3 SKATES

DREDGE WENT TO DOCK FOR REPAIRS

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus (Bottlenose dolphin)	2	0610 IN channel NEAR DISPOSAL SITE

Observer(s) on duty STACIE KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL

DAILY REPORT

Date 6 / 19 / 02 Load Numbers Ø

Area(s) Worked Ø

Weather Conditions (incl. sea conditions) PARTLY cloudy, S wind 5-10 KTS

Range of Water Temp., Surface Ø Below Mid-Depth Ø

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGE AT DOCK FOR REPAIRS

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
No Sightings		

Observer(s) on duty STACIE KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL

DAILY REPORT

Date 6 / 20 / 02 Load Numbers 956

Area(s) Worked STATIONS 96+00 - 150+00

Weather Conditions (incl. sea conditions) Cloudy, NE WIND 5 Kts, SEAS 2'-4'

Range of Water Temp., Surface 73 °F Below Mid-Depth 72 °F

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

- MATERIAL DREDGED WAS SAND, SILT, AND ROCK

- BIOLOGICAL BYCATCH INCLUDED 7 HORSE SHOE CRABS, 21 SPIDER CRABS, 1 BLUE CRAB, WHELKS, AND MOON SNAILS

- DREDGE WAS AT DOCK UNTIL EVENING

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
No Sightings		

Observer(s) on duty STACIE KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL

WEEKLY SUMMARY

Dates 6/14/02 - 6/20/02 Load Numbers 937-944, 946-953, 955-956

Range of Water Temp., Surface 74 - 70 °F Below Mid-Depth 73 - 70 °F

Areas Worked (lat/longs, stations) STATIONS 96+00 - 150+00, 37°00.4, 76°01.5

Are there incidents involving endangered or protected species? YES (NO)

Comments (turtle takes, whale sightings, effectiveness of screening, by-catch, material, other info):

MATERIAL DREDGED WAS SAND, SILT, AND ROCK

BIOLOGICAL BY-CATCH INCLUDED: 27 HORSESHOE CRABS, 5 BLUE CRAB, 24 SPIDER CRAB, 31 SKATES, 3 RAYS, KNOBBED WHELK, MOON SNAILS, QUAHOG, AND WHELK EGG CASE

DREDGE WAS DOCKED 6/18 to 6/20 FOR REPAIRS

ALL SCREENING IS IN GOOD CONDITION

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
6/14	Tursiops truncatus 1	SEEN EN Route to DISPOSAL SITE IN CHANNEL
6/18	Tursiops truncatus 2	SEEN IN CHANNEL
/		
/		
/		
/		

Observers on duty STACIE KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL, CHESAPEAKE BAY

DAILY REPORT

Date 6 / 21 / 02 Load Numbers 958, 960

Area(s) Worked STATIONS 96+00 - 150+00

Weather Conditions (incl. sea conditions) CLEAR, ESE WIND 10-15 KTS, SEAS 3-5

Range of Water Temp., Surface 73 °F Below Mid-Depth 73-72 °F

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

MATERIAL DREDGED WAS SAND AND SILT

BIOLOGICAL BY-CATCH INCLUDED: 5 HORSESHOE CRABS, 1 BLUE CRAB, 13 SPIDER CRABS, 1 SKATE, KNOBBED WHELK, AND WHELK EGG CASES

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
∅		

Observer(s) on duty STACIE KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL, CHESAPEAKE

DAILY REPORT

Date 6 / 22 / 02 Load Numbers 962 - 965

Area(s) Worked STATIONS 96 +00 - 150 +00

Weather Conditions (incl. sea conditions) clear, NE wind 10-15 KTS, SEAS 2-4'

Range of Water Temp., Surface 73 °F Below Mid-Depth 73 - 72 °F

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

MATERIAL DREDGED WAS SAND AND SILT

BIOLOGICAL BY-CATCH INCLUDED: 12 HORSESHOE CRABS, 2 BLUE CRABS, 15 SPIDER CRABS, 4 SKATES, AND WHELKS

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
No Sightings		

Observer(s) on duty STACIE KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL, CHESAPEAKE BAY

DAILY REPORT

Date 6 / 23 / 02 Load Numbers 967, 969

Area(s) Worked STATIONS 96+00 - 150+00

Weather Conditions (incl. sea conditions) CLEAR/ESE WIND 10-15 KTS, SEAS 2'-3'

Range of Water Temp., Surface 77- 76 °F Below Mid-Depth 76- 75 °F

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

MATERIAL DREDGED WAS SAND, SILT, AND ROCK

BIOLOGICAL BY-CATCH INCLUDED: 4 HORSE SHOE CRABS, 4 BLUE CRABS, 8 SPIDER CRABS, 2 SKATES, AND VARIOUS GASTROPODS

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
NO SIGHTINGS		

Observer(s) on duty STACIE KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL, CHEASAPEAKE BAY

DAILY REPORT

Date 6 / 24 / 02 Load Numbers 971 - 974

Area(s) Worked STATIONS 96+00 - 150+00

Weather Conditions (incl. sea conditions) PARTLY CLOUDY, SW WIND 10-15 KTS, SEAS 3-4

Range of Water Temp., Surface 79 - 77 °F Below Mid-Depth 78 - 75 °F

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

MATERIAL DREDGED WAS SAND, SILT AND ROCK

BIOLOGICAL BYCATCH INCLUDED: 13 HORSESHOE CRABS, 95 SPIDER CRABS, 3 BLUE CRABS, 1 SKATES, ALONG WITH WHELKS AND OTHER GASTROPODS

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
No Sightings		

Observer(s) on duty STACIE KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL, CHEASAPEAKE BAY

DAILY REPORT

Date 6 / 25 / 02 Load Numbers 976 - 979

Area(s) Worked STATIONS 96+00 - 150+00

Weather Conditions (incl. sea conditions) PARTLY cloudy, SW WIND 5-10 KTS, SEAS 1-3

Range of Water Temp., Surface 79 - 77 °F Below Mid-Depth 79 - 76 °F

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

MATERIAL DREDGED WAS SAND, SILT, AND ROCK

BIOLOGICAL BY-CATCH FOUND: 13 HORSESHOE CRABS, 19 SPIDER CRABS, 6 BLUE CRABS, 1 HERMIT CRAB, 6 SKATES, 1 FLOUNDER, AND WHELKS

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
NO SIGHTINGS		

Observer(s) on duty STACIE KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL, CHEASAPEAKE BAY

DAILY REPORT

Date 6 / 26 / 02 Load Numbers 981, 983-984

Area(s) Worked Stations 96+00 - 150+00, 36° 59.8 N, 76° 01.1 W

Weather Conditions (incl. sea conditions) CLOUDY, SW WIND 10-20 KTS, SEAS 2-5

Range of Water Temp., Surface 78 - 77 °F Below Mid-Depth 77 - 76 °F

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

MATERIAL DREDGED WAS SAND, SILT, AND ROCK

BIOLOGICAL BY-CATCH CONSISTED OF: 4 HORSE SHOE CRABS, 6 SPIDER CRABS, 1 BLUE CRABS, 1 SKATE, AND WHELKS

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
No Sightings		

Observer(s) on duty STACIE KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL, CHEASAPEAKE BAY

DAILY REPORT

Date 6 / 27 / 02 Load Numbers 985 - 988

Area(s) Worked STATIONS 96+00 - 150+00, 36°59'.8 N, 76°01,1W

Weather Conditions (incl. sea conditions) Cloudy, RAIN, SW WIND 15-20, SEAS 3-5

Range of Water Temp., Surface 78- 76 °F Below Mid-Depth 77 - 75 °F

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

MATERIAL DREDGED WAS SAND, SILT, AND SOME ROCK

BIOLOGICAL BYCATCH INCLUDED: 5 HORSESHOE CRABS, 2 SPIDER CRABS, 5 BLUE CRABS, 3 SKATES, 1 FLOUNDER, AND WHELKS

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
No sightings		

Observer(s) on duty STACIE KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL
CHESAPEAKE BAY

WEEKLY SUMMARY

Dates 6/21/02 - 6/27/02 Load Numbers 958, 960, 962-965, 967, 969 971 974, 976-979, 981, 983-988

Range of Water Temp., Surface 79 - 73 °F Below Mid-Depth 78 - 72 °F

Areas Worked (lat/longs, stations) STATIONS 96+00 - 150+00, 36 59.8 N, 76°01.1W

Are there incidents involving endangered or protected species? YES (NO)

Comments (turtle takes, whale sightings, effectiveness of screening, by-catch, material, other info):

MATERIAL DREDGED WAS SAND, SILT, AND ROCK

BIOLOGICAL BY-CATCH WAS MINIMAL AND INCLUDED: 56 HORSE SHOE CRABS, 78 SPIDER CRABS, 22 BLUE CRABS, 18 SKATES, 2 FLOUNDER, KNOBBED AND CHANNELED WHELK, MOON SNAILS, WHELK EGG CASES, AND HERMIT CRABS

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
/	NO SIGHTINGS	
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Observers on duty STACIE KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL, CHESAPEAKE BAY

DAILY REPORT

Date 6 / 28 / 02 Load Numbers 990, 992

Area(s) Worked STATIONS 96+00 - 150+00

Weather Conditions (incl. sea conditions) CLOUDY, RAIN, SW WIND 10-20 KTS, SEAS 2-4

Range of Water Temp., Surface 78 - 77 °F Below Mid-Depth 77-76 °F

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

MATERIAL DREDGED WAS SAND, SILT, AND ROCK

BIOLOGICAL BY-CATCH INCLUDED: 3 HORSESHOE CRABS, 2 SPIDER CRABS, 3 BLUE CRABS, 1 FLOUNDER, AND WHELKS

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	1	1130 IN Channel

Observer(s) on duty STACIE KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL
CHESAPEAKE BAY

DAILY REPORT

Date 6 / 29 / 02 Load Numbers 994, 995, 996, 997

Area(s) Worked Stations 96+00 - 150+00

Weather Conditions (incl. sea conditions) CLEAR, NE WIND 5 KTS, SEAS 2-3

Range of Water Temp., Surface 78-77 °F Below Mid-Depth 77°F

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch. etc.):

MATERIAL DREDGED WAS SAND, SILT, AND SOME ROCK

BIOLOGICAL BY-CATCH WAS MINIMAL AND INCLODED 3 HORSE SHOE CRABS, 7 SPIDER CRABS, 2 BLUE CRABS, 3 SKATES, AND WHELKS

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
NO SIGHTINGS		

Observer(s) on duty STACIE KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY CHANNEL, CHESAPEAKE BAY

DAILY REPORT

Date 6 / 30 / 02 Load Numbers 999, 1001, 1002

Area(s) Worked STATIONS 96+00 - 150+00

Weather Conditions (incl. sea conditions) Clear, NE WIND 5-10 KTS, SEAS 1-2

Range of Water Temp., Surface 78 - 77 °F Below Mid-Depth 77 °F

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch. etc.):

MATERIAL DREDGED WAS ROCK, SAND, AND SILT

BIOLOGICAL BY-CATCH INCLUDED: 2 HORSESHOE CRABS, 2 SPIDER CRABS, 1 BLUE CRAB, 2 SKATES, 1 FLOUNDER, 1 SEA BASS, AND WHELKS

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
NO SIGHTINGS		

Observer(s) on duty STACIE KNIGHT

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 07 / 01 / 02 Load Numbers 1003, 1004, 1006 (3700.7N 7601.8W) load 1006

Area(s) Worked 96+00 (3659.9N 7601.8W) to 150+00 (load 1004 extended to 360+00), 150+00 to 214+00

Weather Conditions (incl. sea conditions) clear / seas calm / ~2 ft swell / winds calm - 5 knots / air temp 80-85°F

Range of Water Temp., Surface 78°F Below Mid-Depth 77°F

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredging operations continued at stations 96+00 / 150+00 for loads 1003 and 1004. Load 1004 extended to station 360+00 and then stations 150+00 to 214+00 were dredged (loads 1005 and 1006). Observer Holly Fearnbach boarded at approximately 0930. Dredged materials consisted of finely packed sand w/ silt and rock. Biological specimens included 20 horseshoe crabs, whelks, & blue crab. & low numbers of biological specimens

No sightings or takes of endangered or threatened species were recorded.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	5-7	1920 / 3658.9N 7600.7W / heading S ~10 yards
Tursiops truncatus	2-3	1935 / 3700.7N 7601.8W / crossing bow

Observer(s) on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: ~~Cape Henry Channel~~ / Chesapeake

DAILY REPORT

Date 07 / 02 / 02 Load Numbers 1008-1011

Area(s) Worked Stations 150°00 to 314°00 (3700.7N, 76 02.4W mid pt)

Weather Conditions (incl. sea conditions) cloudy/clear / seas calm-3 ft / winds calm-15 knots / air temp 75-85°F

Range of Water Temp., Surface 77-79°F Below Mid-Depth 76-78°F

Condition and Effectiveness of Screening good

- starboard fore screen has 2.5 inch gap at base of front cover - needs to be repaired - some work completed in repair on 07/03

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

- Dredging operations continued as usual at stations 150°00 to 314°00 (3700.7N 76 02.4W). Dredged material consisted of finely packed sand with silt. Abiotic materials included rock, wood and misc. debris. Biological specimens included 5 horseshoe crabs, whelk, sand dollars, assorted bivalves and 1 spider crab. Overall abundance of specimens was low.

No sightings or takes of endangered or threatened species were recorded.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	2-3	1045 / 36 53.4N 75 55.7W / travel heading S
T. truncatus	10-12	1103 / 36 55.9N 75 57.4W / travel-SW
T. truncatus	3-5	1118 / 36 57.9N 75 59.3W / social - offshore bow riders

Observer(s) on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 07 / 03 / 02 Load Numbers 1012-1014

Area(s) Worked 150°00 to 214°00 (3700.7N, 7602.4W).

Weather Conditions (incl. sea conditions) clear / seas calm-2ft / winds calm-10knots (air temp 76-90°F)

Range of Water Temp., Surface 76-79°F Below Mid-Depth 76-79°F

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredging operations continued as usual at stations 150°00 to 214°00 (3700.7N 7602.4W). Dredged material consisted of fine, packed sand with silt. Abiotic materials consisted of debris (rope, plastics...), rock and wood. Biological specimens included 8 horseshoe crabs, whelk, 1 flounder, whelk egg casings, and 1 spider crab.

No sightings or takes of endangered or threatened species were recorded.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	2-3	1120 / 3659.5N 7600.7W / off starboard bow

Observer(s) on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 07 / 04 / 02 Load Numbers 1016 - 1019

Area(s) Worked 150+00 to 214+00 (3700.7N 7602.4W)

Weather Conditions (incl. sea conditions) hazy / seas calm - 2 ft / winds calm - 10 knots / air temp 79-89°F

Range of Water Temp., Surface 79-80°F Below Mid-Depth 79-80°F

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredging operations continued as usual at stations 150+00 to 214+00 (3700.7N 7602.4W). Dredged material consisted of finely packed sand with silt. Abiotic materials included rock and debris. Biological specimens included 3 horseshoe crabs, blue crabs and whelk. Overall abundance and diversity of dredged biological specimens is still extremely low.

No sightings or takes of endangered or threatened species were recorded.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	5-7	0945 / 36 57.6N 7559.4W / milling off port bow

Observer(s) on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel / Chesapeake

WEEKLY SUMMARY

Dates 06 / 28 / 02 - 07 / 04 / 02 Load Numbers 990, 992, 994-997, 999, 1001, 1002, 1003-1004, 1006, 1008-1011, 1013-1014, 1016-1019

Range of Water Temp., Surface 76-80° F Below Mid-Depth 76-80° F

Areas Worked (lat/longs, stations) stations 96+00 to 150+00 (36 59.8 N 76 01.1 W) (extended to 360+00 on 07/01/02) - started stations 150+00 to 214+00 on 07/01/02 (37 00.7 N 76 03.4 W)

Are there incidents involving endangered or protected species? YES (NO)

Comments (turtle takes, whale sightings, effectiveness of screening, by-catch, material, other info):

Dredging operations continued as usual at stations 96+00 to 150+00 (36 59.8 N 76 01.0 W) through 07/01/02. Operations moved to stations 150+00 to 214+00 (37 00.7 N 76 03.4 W) on 07/01/02. Dredged material consisted of finely packed sand with silt. Abiotic materials included rock and debris. Biological specimens included 44 horseshoe crabs, spider and blue crabs, flounder, whelk, skates, sea bass and whelk egg casings. Overall abundance and diversity of dredged biological specimens was low.

No sightings or takes of endangered or threatened species were recorded.

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
06/28	Tursiops truncatus / 1	1130 / in channel
07/01	Tursiops truncatus / 7-10	1920 / 1935 / 36 58.9 N 76 00.7 W / 37 00.7 N 76 01.8 N / heading S / crossing bow
07/02	Tursiops truncatus / 15-30	1045/1103) 1118 / 36 53.4 N 76 55.7 W / 36 55.9 N 75 57.4 W / 36 57.9 N 75 59.3 W / #wheel / social
07/03	Tursiops truncatus / 2-3	1120 / 36 59.5 N 76 00.7 W / off starboard bow
07/04	Tursiops truncatus / 5-7	0945 / 36 57.6 N 75 59.4 W / milling
/		
/		

Observers on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 07 / 05 / 02 Load Numbers 1030, 1031, 1033

Area(s) Worked Stations 150+00 to 214+00 (3700.7N 7602.4W)

Weather Conditions (incl. sea conditions) haze-clear / seas 1-2ft / winds 5-10knots / 82-85°F (air temp)

Range of Water Temp., Surface 79-80°F Below Mid-Depth 78-79°F

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredging operations continued as usual at stations 150+00 to 214+00 (3700.7N 7602.4W). Dredged material consisted of finely packed sand with silt. Abiotic materials included rocks and debris. Biological specimens included 2 horseshoe crabs, spider and blue crabs, whelk and whelk egg casings. Overall abundance and diversity of dredged materials continued to be low.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	3-5	1927 / 3656.2N 7557.9W / mill off port bow

Observer(s) on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel

DAILY REPORT

Date 07 / 06 / 03 Load Numbers 1035, 1037

Area(s) Worked 150+00 to 214+00 (37 00.7 N 76 02.4 W)

Weather Conditions (incl. sea conditions) clear / seas 2-4 ft / winds 10-15 knots / air temp 76-88°F

Range of Water Temp., Surface 78-79°F. Below Mid-Depth 77-78°F

Condition and Effectiveness of Screening Good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredging operations continued as usual at stations 150+00 to 214+00 (37 00.7 N 76 02.4 W). Dredged material consisted of finely packed sand with silt. Abiotic materials consisted of debris. Biological specimens included 5 horseshoe crabs, blue and spider crabs, whelk, and whelk egg casings.

No sightings or takes of threatened or endangered species were recorded.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	3-4	1047 / 36 55.4 N 75 57.8 / traveling N (approx 0.5 mi from shoreline)

Observer(s) on duty Holly Feanbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 07 / 07 / 02 Load Numbers 1029 - 1032

Area(s) Worked Stations 150+00 to 214+00 (3700.7N 76 02.4W)

Weather Conditions (incl. sea conditions) haze - clear / seas calm - 3FT / winds calm - 5 knots / air temp 75-90°F

Range of Water Temp., Surface 78 - 79°F Below Mid-Depth 77 - 79°F

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch. etc.):

Dredging operations continued at stations 150+00 to 214+00 (3700.7N 76 02.4W). Dredged material consisted of finely packed sand with silt. Abiotic materials consisted of rock and debris. Biological specimens included 1 horseshoe crab, blue and spider crabs, whelk and whelk egg casings.

No sightings or takes of threatened or endangered species were recorded.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	7-12	1750 / 3700.9N 76 02.6W / traveling Naloxside dredge
Tursiops truncatus	15-20	1805 / 3700.8N 76 02.2W / traveling Naloxside ~25 yards off

Observer(s) on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Dayport

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 07 / 08 / 02 Load Numbers 1033-1036

Area(s) Worked Stations 150+00 to 214+00 (37 00.7N 76 02.4W)

Weather Conditions (incl. sea conditions) clear-haze / seas 1-4 ft / winds 10-15 knots / 75-90°F air temp

Range of Water Temp., Surface 78-79 °F Below Mid-Depth 78-78°F

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredging operations continued as usual at stations 150+00 to 214+00 (37 00.7N 76 02.4W). Dredged material consisted of finely packed sand with silt. Abiotic materials included rock and debris (rope, plastics). Biological specimens included 1 horseshoe crab, spider and blue crabs, hermit crabs, moon snails, skates, 1 striped bass, whelk and whelk egg casings.

No sightings or takes of threatened or endangered species were reported.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	5-7	0935 / 36 54.3N 75 56.7W / poss. feed / travel ~10 yards off
Tursiops truncatus	2-3	1858 / 36 58.5N 76 00.9W / traveling W

Observer(s) on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Barnard

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 07 / 09 / 02 Load Numbers 1037, 1038, 1040

Area(s) Worked Stations 150+00 to 214+00 (3700.7N 7602.4W)

Weather Conditions (incl. sea conditions) clear-haze / seas 1-3 ft / winds 10-15 Knots / air temp 74-86°F

Range of Water Temp., Surface 78°F. Below Mid-Depth 77-78°F

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredging operations continued as usual at stations 150+00 to 214+00 (3700.7N & 7602.4W). Dredged material consisted of finely packed sand w/ silt. Abiotic materials consisted of rock and debris (rope, plastics.). Biological specimens included whelk, hermit crabs and blue crabs.

No sightings or takes of endangered or threatened species were recorded.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bryant

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 07 / 10 / 02 Load Numbers 1042 - 1043

Area(s) Worked 150°00 to 314°00 (3700.7N 7603.4W)

Weather Conditions (incl. sea conditions) haze / seas 1-2 ft / winds 5-15 knots / airtemp 78-86°F

Range of Water Temp., Surface 79°F. Below Mid-Depth 78°F

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredge anchored for fuel @ 0900 until ~1530. Dredging operations resumed @ 1656. Dredging continued as usual at stations 150°00 to 314°00 (3700.7N 7603.4W). Dredged material consisted of finely packed sand with silt. Abiotic materials included rock and debris. Biological specimens consisted of whelk and whelk egg casings, 1 hermit crab, blue crabs and 1 spider crab.

No sightings or takes of endangered or threatened species were recorded.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	2-3	0708 / 3653.9N 75 56.9W / traveling S
Tursiops truncatus	2-3	0717 / 3655.3N 75 57.9W / traveling S
Tursiops truncatus	8-10	0737 / 3656.6N 75 59.5W / traveling S

Observer(s) on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: ~~Cape~~ Cape Henry Channel / Chesapeake

DAILY REPORT

Date 07 / 11 / 02 Load Numbers 1044 - 1046

Area(s) Worked Stations 150+00 to 214+00 (3700.7N 7603.4W)

Weather Conditions (incl. sea conditions) haze - clear / seas 2-6 ft / winds 10-20 knots / air temp 79-83°F

Range of Water Temp., Surface 75-77°F Below Mid-Depth 74-76°F

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredging operations ~~began~~ continued at stations 150+00 to 214+00 (3700.7N 7603.4W). Loads 1045-1046 increased to 4 hours rather than 3. Dredged material consisted of finely packed sand with silt. Abiotic materials consisted of rock and debris (rope, plastics...). Biological specimens included 1 horseshoe crab, 1 olive and spider crabs & whelk.

No sightings or takes of ~~endangered~~ or threatened species were recorded.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
∅		

Observer(s) on duty Holly Farnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel / Chesapeake

WEEKLY SUMMARY

Dates 07 / 05 / 02 - 07 / 11 / 02 Load Numbers 1020, 1021, 1023, 1025, 1027, 1029-1032, 1037, 1038, 1040, 1042-1043, 1044-1046, 1033-1036

Range of Water Temp., Surface 75-80°F Below Mid-Depth 74-79°F

Areas Worked (lat/longs, stations) stations 150+00 to 214+00 (3700.7N 7602.4W)

Are there incidents involving endangered or protected species? YES NO

Comments (turtle takes, whale sightings, effectiveness of screening, by-catch, material, other info):

Dredging operations continued as usual at stations 150+00 to 214+00 (3700.7N 7602.4W). Dredged material consisted of finely packed sand with silt. Abiotic materials included rock and debris (plastics, rope...). Biological specimens included 10 horseshoe crabs, blue, spider and hermit crabs, whelk, whelk egg casings, 1 striped bass, moon snails and skates. Overall abundance of dredged biological specimens was low.

No sightings or takes of endangered or threatened species were recorded

Deflectors and screens were in good condition.

Bridge Watch Summary

Date	Various Species and Respective Number				Comments
07 / 05	Tursiops truncatus	3-5	1927	3656.2N 7557.9W	milling off port bow
07 / 06	Tursiops truncatus	3-4	1047	3655.4N 7557.8	traveling N
07 / 07	Tursiops truncatus	7-12 15-20	1750 1805	3700.9N 7602.6W 3700.8N 7602.2W	traveling N
07 / 08	Tursiops truncatus	5-7 2-3	0935 1858	3654.3N 7556.7W 3658.5N 7600.9W	poss feed & travel traveling N
07 / 09	Ø				
07 / 10	Tursiops truncatus	2-3 2-3 8-10	0708 0717 0727	3653.9N 7556.9W 3655.2N 7557.9W 3656.6N 7559.5W	traveling S
07 / 11	Ø				

Observers on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 07 / 12 / 02 Load Numbers 1048, 1050

Area(s) Worked 150+00 to 214+00 (3700.7N 76 02.4W)

Weather Conditions (incl. sea conditions) clear / seas 1-3 ft / winds 5-15 knots / air temp 72-90F

Range of Water Temp., Surface 74-75°F Below Mid-Depth 74°F

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredging operations continued as usual at stations 150+00 to 214+00 (3700.7N 76 02.4 W). Dredged material consisted of finely packed sand with silt. Abiotic materials included rock and debris (plastics, rope....). Biological specimens included 1 horseshoe crab, 1 spider crab and 1 cow-nosed ray.

* abundance + diversity very low *

No sightings or takes of endangered or threatened species were recorded.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	2-3	1112 / 36 58.3N 75 55.1W / traveling W
Tursiops truncatus	3-5	1125 / 36 50.9N 75 53.9W / socializing

Observer(s) on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel / Chesapeake

DAILY REPORT

Date 07 / 13 / 02 Load Numbers 1052 + 1054

Area(s) Worked stations 150+00 to 214+00 (3700.7N 7602.4W)

Weather Conditions (incl. sea conditions) clear / seas - calm - 3ft / winds light - 10 knots / air temp 74-87 °F

Range of Water Temp., Surface 75-76°F Below Mid-Depth 75-76°F

Condition and Effectiveness of Screening good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch. etc.):

Dredging operations continued as usual at stations 150+00 to 214+00 (3700.7N 7602.4W). Dredged material consisted of finely packed sand with silt. Abiotic materials included rock and debris. Biological specimens included 4 horseshoe crabs, spider and blue crabs, 1 skate, skate egg casings, whelk and moon snails

No sightings or takes of endangered or threatened species were recorded.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	50-75	1111 / 3653.4N 7555.6W / large group traveling (along channel)
Tursiops truncatus	5-7	1140 / 3657.5N 7559.7W / milling near channel marker

Observer(s) on duty Holly Fearnbach

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY | CHESAPEAKE

DAILY REPORT

Date 07 / 14 / 02 Load Numbers 1056 + 1058

Area(s) Worked 150+00 TO 21450 (37.00.7 N 7602.4 W)

Weather Conditions (incl. sea conditions) OVERCAST | RAIN ; SEAS 1-3' ; WINDS E 5-10 KNOTS

Range of Water Temp., Surface 74° F Below Mid-Depth 74° F

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGING OPERATIONS CONTINUE AS USUAL. DREDGE MATERIAL FINELY PACKED SAND WITH SOME SILT. ABIOTIC MATERIALS INCLUDE TRASH + ROCK. BIOLOGICAL SPECIMENS LOW IN VARIETY AND ABUNDANCE CONSIST OF 1 HORSHOE CRAB.

OBSERVER BRETT JOHNSON REPLACED HOLLY FEARNBACH AT APPROXIMATELY 0800 HOURS.

THERE WERE NO SIGHTINGS OR INCIDENTS INVOLVING ENDANGERED OR THREATENED SPECIES.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
NO SIGHTINGS		

Observer(s) on duty BRETT JOHNSON / HOLLY FEARNBACH

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY / CHESAPEAKE BAY

DAILY REPORT

Date 07 / 15 / 02 Load Numbers 1060, 1062

Area(s) Worked STATIONS 150+00 TO 214+00

Weather Conditions (incl. sea conditions) P. CLOUDY; WINDS E-LY 5-15 K; SEAS 1-3' SWELL

Range of Water Temp., Surface 75-76° F Below Mid-Depth 74°-75° F

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGING AS BEFORE. MATERIAL FINE SAND WITH SILT. ABIOTIC SAMPLES CONSIST OF WOOD, ROCK, CABLE, LINE AND OTHER DEBRIS. BIOLOGICAL SPECIMENS LOW IN VARIETY AND ABUNDANCE. SPECIMENS SAMPLED: 2 HORSESHOE CRABS, 8 SPIDER CRABS, 5 BLUE CRABS AND ASSORTED SHELL.

THERE WERE NO SIGHTINGS NOR ANY INCIDENTS INVOLVING ENDANGERED OR THREATENED SPECIES.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
NO SIGHTINGS		

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY / CHESAPEAKE BAY

DAILY REPORT

Date 07 / 16 / 02 Load Numbers 1064 + 1066

Area(s) Worked STATIONS 150+00 TO 214+00

Weather Conditions (incl. sea conditions) P.CLOUDY / HAZY ; LT. AIRS ; SEAS SE SWELL 1-2 FT.

Range of Water Temp., Surface 76° F Below Mid-Depth 76° F

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGING AS BEFORE. MATERIAL IS FINE SAND WITH SILT. ABIOTIC SAMPLES INCLUDE WOOD, ROCK AND ASSORTED TRASH. BIOLOGICAL SPECIMENS REMAIN LOW IN VARIETY AND ABUNDANCE AND CONSIST OF A FEW ASSORTED SHELLS AND 1 FLOUNDER.

THERE WERE NO SIGHTINGS NOR ANY INCIDENTS INVOLVING ENDANGERED OR THREATENED SPECIES.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	2	1055 DREDGE IN TRANSIT FROM DUMP TO DIG SITE

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY / CHESAPEAKE BAY

DAILY REPORT

Date 07 / 17 / 02 Load Numbers 1068, 1070 AND PART OF 1071*

Area(s) Worked STATIONS 150+00 TO 214+00

Weather Conditions (incl. sea conditions) CLEAR/HAZY; LT. AIRS; SEAS CALM; HOT, HOT

Range of Water Temp., Surface 75° - 76°F Below Mid-Depth 75° - 76°F

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGING OPERATIONS CONTINUE AS USUAL AT STATIONS 150+00 TO 214+00. MATERIAL IS FINE SAND WITH SILT. ABIOTIC SAMPLES INCLUDE ROCK, WOOD, AND ASSORTED TRASH. BIOLOGICAL TAKE LIGHT CONSISTING OF 1 STINGRAY, 4 SPIDERCRABS, 2 BLUECRABS, 1 HORSE-SHOE CRAB AND A FEW ASSORTED SHELLS. OBSERVATION ENDED AT MIDNIGHT AND INCLUDED 30 MINUTES OF LOAD 1071.

THERE WERE NO INCIDENTS NOR ANY SIGHTINGS OF ENDANGERED OR PROTECTED SPECIES

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
NO SIGHTINGS		

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY / CHESAPEAKE BAY

DAILY REPORT

Date 07 / 18 / 02 Load Numbers 1072*, 1073*, 1074, 1075*

Area(s) Worked STATIONS 96+00 TO 214+00 (3700.8 N, 7602.4 W)

Weather Conditions (incl. sea conditions) P.CLOUDY | HAZY; WINDS LT TO W 5 K; SEAS CALM TO LT. CHOP

Range of Water Temp., Surface 76°F Below Mid-Depth 76°F

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGING OPERATIONS CONTINUE WITH THE ADDITION OF SECTION 3, STATIONS 96+00 TO 150+00, BEING ADDED. MATERIAL CONTINUES TO BE FINE SAND WITH SILT. ABIOTIC SAMPLES INCLUDE ROCK, WOOD AND ASSORTED TRASH. BIOLOGICAL SPECIMENS REMAIN EXTREMELY LOW IN VARIETY AND ABUNDANCE. SPECIMENS SAMPLED CONSIST OF: 4 HORSESHOE CRABS, 3 SPIDER CRABS, 3 BLUE CRABS AND SOME ASSORTED SHELL.

ASTERIKED LOADS WERE PARTIALLY MONITORED. OBSERVATION ENDED DURING LOAD BECAUSE OBSERVER'S WATCH HAD ENDED. OR HAD BEGUN IN MID CYCLE.

THERE WERE NO SIGHTINGS NOR ANY INCIDENTS INVOLVING ENDANGERED OR THREATENED SPECIES. A DEAD, FLOATING, SEVERELY DECOMPOSED TUBIOPS WAS SIGHTED @ 37 00.842 N AND 76 02.437 W. PROPER AUTHORITIES NOTIFIED.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	6-8	0935, ROLLING @ DUMPSITE

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY | CHESAPEAKE BAY

WEEKLY SUMMARY

Dates 07 / 12 / 02 - 07 / 18 / 02 Load Numbers 1048, 1050, 1052, 1054, 1056, 1058, 1060, 1062, 1064, 1066, 1068, 1070, 1071*, 1072*, 1073*, 1074, 1075*

Range of Water Temp., Surface 74°-76° F Below Mid-Depth 74-76° F

Areas Worked (lat/longs, stations) STATIONS 96+00 TO 214+00 (3700.7N 76 02.4W)

Are there incidents involving endangered or protected species? YES (NO)

Comments (turtle takes, whale sightings, effectiveness of screening, by-catch, material, other info):

DREDGING OPERATIONS CONTINUE AS USUAL. ASTERIKED LOADS INDICATE LOADS THAT WERE PARTIALLY MONITORED. OBSERVATION OF THESE LOADS BEGAN OR ENDED IN MID CYCLE DUE TO THE START OR END OF OBSERVER'S WATCH SCHEDULE.

MATERIAL DREDGED IS SILT WITH FINE, HARD PACKED SAND. ABIOTIC SAMPLES INCLUDE ROCK. WOOD, LINE, CABLE AND ASSORTED AND VARIOUS TRASH. BIOLOGICAL SPECIMENS EXTREMELY LOW IN ABUNDANCE AND VARIETY. SAMPLES CONSIST OF: 13 HORSESHOE CRABS, 16 SPIDER CRABS, 12 BLUE CRABS, 1 SOUTHERN STINGRAY, 1 COWNOSE RAY, 1 FLOUNDER, WHELK SHELL, MOON SNAIL AND EGG CASINGS.

OBSERVER BRETT JOHNSON REPLACED OBSERVER HOLLY FEARNBACH ON 07/14/02 AT APPROXIMATELY 0800 HOURS.

THERE WERE NO INCIDENTS OR SIGHTINGS OF ENDANGERED OR PROTECTED SPECIES. A DEAD, BLOATED AND EXTREMELY DECOMPOSED TURIOPS WAS SPOTTED FLOATING OUTSIDE OF CHANNEL ON 07/18/02. LOCATION 3700.842 N AND 7602.437W ALL PROPER AUTHORITIES WERE NOTIFIED.

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
07 / 12	Tursiops truncatus 5-8 INDIVIDUALS	1112 + 1125 SOCIALIZING
07 / 13	T+ 55-80 INDIVIDUALS	1111 + 1140 IN AND ABOUT CHANNEL
07 / 16	T+ 2 INDIVIDUALS	1055 ROLLING NEAR DUMP SITE
07 / 18	T+ 6-8 INDIVIDUALS	0935 ROLLING @ DUMP SITE
/		
/		
/		

Observers on duty HOLLY FEARNBACH / BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY / CHESAPEAKE BAY

DAILY REPORT

Date 07 / 19 / 02 Load Numbers 1076, 1078

Area(s) Worked STATIONS 96+00 TO 214+00

Weather Conditions (incl. sea conditions) P.CLOUDY/HAZY; WINDS VARIABLE 5-10 K; SEAS CALM TO 1FT.

Range of Water Temp., Surface 76°F Below Mid-Depth 76°F

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGING OPERATIONS CONTINUE AT STATIONS 96+00 TO 214+00 WITHOUT INCIDENT. MATERIAL IS FINE SAND WITH SILT. ABIOTIC SAMPLES INCLUDE LINE, ROPE, CABLE AND ASSORTED TRASH. BIOLOGICAL TAKE REMAINS LIGHT AND CONSISTS OF 5 SKATES, 2 HORSESHOE CRABS, 3 BLUE CRABS, WHELK SHELL AND MOON SNAILS.

THERE WERE NO INCIDENTS OR SIGHTINGS OF ENDANGERED OR PROTECTED SPECIES.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	16-18	1025+2200 AT OR ENROUTE TO DUMPSITE

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY / CHESAPEAKE BAY

DAILY REPORT

Date 07 / 20 / 02 Load Numbers 1080, 1082

Area(s) Worked STATIONS 96+00 TO 214+00 (36 59 N 76 01 W)

Weather Conditions (incl. sea conditions) P.CLOUDY | HAZY | RAIN; WINDS VAR. 5-10 K; SEAS CALM TO LT.

Range of Water Temp., Surface 76° F. Below Mid-Depth 76° F

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch etc.):

DREDGING AS BEFORE. MATERIAL FINE SAND WITH SILT. ABIOTIC SAMPLES INCLUDE WOOD, ROCK, ROPE, LINE AND ASSORTED TRASH. BIOLOGICAL SPECIMENS REMAIN LOW IN ABUNDANCE AND VARIETY. SAMPLES CONSIST OF 3 SOUTHERN STINGRAY, 7 HORSESHOE CRAB, 8 BLUE CRAB, 4 SPIDER CRABS, 1 FLOUNDER AND ASSORTED WHELK AND MOON SNAILS.

THERE WERE NO INCIDENTS OR SIGHTINGS OF ENDANGERED OR PROTECTED SPECIES.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	4	1830 @ BUOY # 10 "CATCHIN' AIR"

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY | CHESAPEAKE BAY

DAILY REPORT

Date 07 / 21 / 02 Load Numbers 1084, 1086

Area(s) Worked STATIONS 96+00 TO 214+00

Weather Conditions (incl. sea conditions) P.CLOUDY; WINDS E 5-15K; SEAS CALM TO 3 FT. SWELL

Range of Water Temp., Surface 75° F Below Mid-Depth 75° F

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGING CONTINUES WITHOUT INCIDENT. MATERIAL IS FINE SAND WITH SILT. ABIOTIC SAMPLES INCLUDE LINE, ROPE, NET, WOOD AND TRASH. BIOLOGICAL TAKE IS LOW AND CONSISTS OF 1 SEASTAR, 4 HORSESHOE CRAB, 7 BLUE CRAB, 2 SKATE, 1 SPIDER CRAB AND WHELK

THERE WERE NO INCIDENTS OR SIGHTINGS OF ENDANGERED OR THREATENED SPECIES.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	3	1905 ROLLING ACROSS CHANNEL

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY / CHESAPEAKE BAY

DAILY REPORT

Date 07 / 22 / 02 Load Numbers 1088, 1089*, 1090

Area(s) Worked STATIONS 96+00 TO 214+00 / 37 00 N 76 02 W

Weather Conditions (incl. sea conditions) CLEAR-P. CLOUDY; WINDS CALM TO SE 20K; SEAS CALM TO SE 2FT.

Range of Water Temp., Surface 75°F - 77°F Below Mid-Depth 75°F - 76°F

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch etc.):

DREDGING OPERATIONS CONTINUE AT STATIONS 96+00 TO 214+00. MATERIAL FINE SAND WITH SILT. ABIOTIC SAMPLES INCLUDE WOOD, ROCK AND TRASH. BIOLOGICAL TAKE EXTREMELY LOW IN VARIETY AND ABUNDANCE CONSISTING OF 1 SOUTHERN STINGRAY, 2 CLEARNOSE SKATES, 2 FLOUNDER, 3 BLUE CRAB, 1 SPIDER CRAB AND 3 HORSESHOE CRAB. *OBSERVATION OF LOAD 1089 ENDED @ 1200 HRS., 22 MINUTES INTO LOAD. NO BIOLOGICAL TAKE SAMPLED THIS LOAD. THERE WERE NO INCIDENTS OR SIGHTINGS OF ENDANGERED OR PROTECTED SPECIES.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	4	0920, ENROUTE TO DUMPSITE, ROLLING
T+	8-10	0940 " "

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY / CHESAPEAKE BAY

DAILY REPORT

Date 07 / 23 / 02 Load Numbers 1092, 1094

Area(s) Worked STATIONS 96+00 TO 214+00 (37 00N 76 02W)

Weather Conditions (incl. sea conditions) CLEAR TO OVERCAST/RAIN; WINDS VAR. TO 25K; SEAS 2-4 FT.

Range of Water Temp., Surface 78°F Below Mid-Depth 77°F

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGING CONTINUES AS USUAL WITHOUT INCIDENT. MATERIAL IS FINE SAND WITH SILT. ABIOTIC SAMPLES INCLUDE ROCK, WOOD, METAL, LINE, ROPE, NET AND OTHER ASSORTED AND VARIOUS TRASH. BIOLOGICAL SAMPLES REMAIN LIGHT IN VARIETY AND ABUNDANCE AND CONSIST OF 4 HORSESHOE CRABS, 5 BLUE CRABS, 3 SPIDER CRABS, 1 FLOUNDER AND 3 SOUTHERN STINGRAYS.

THERE WERE NO INCIDENTS OR SIGHTINGS OF ENDANGERED OR PROTECTED SPECIES.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
NONE		

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY / CHESAPEAKE BAY

DAILY REPORT

Date 07 / 24 / 02 Load Numbers 1096

Area(s) Worked STATIONS 96+00 TO 214+00 (37 00 N 76 02 W)

Weather Conditions (incl. sea conditions) CLOUDY / RAIN; WINDS SW 5-10 K; SEAS CALM TO LT. CHOP

Range of Water Temp., Surface 77°F. Below Mid-Depth 77°F

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGING OPERATIONS SUSPENDED FOLLOWING END OF LOAD # 1095 TO HEAD INTO ANCHORAGE TO TAKE ON FUEL AND WATER. (@ APPROX 0530 HRS) DREDGE REMAINED AT ANCHOR FOR MOST OF DAY AND RESUMED OPERATIONS AT 1840 HRS WITH LOAD # 1096. MATERIAL IS FINE SAND WITH SILT. ABIOTIC SAMPLES INCLUDE WOOD, ROCK, METAL, LIME AND VARIOUS TRASH. BIOLOGICAL TAKE LIGHT IN ABUNDANCE AND VARIETY AND CONSISTED OF 1 RAY, 3 HORSESHOE CRAB, AND 2 BLUE CRAB.

THERE WERE NO SIGHTINGS OR INCIDENTS INVOLVING ENDANGERED OR PROTECTED SPECIES.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	4	1921 JUST OUTSIDE OF CHANNEL, RED SIDE

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY | CHESAPEAKE BAY

DAILY REPORT

Date 07 / 25 / 02 Load Numbers 1098, 1100

Area(s) Worked STATIONS 96+00 TO 214+00 (37 00 N 76 02 W)

Weather Conditions (incl. sea conditions) CLOUDY/RAIN; WINDS LT TO NE 25K; SEAS 1-6 FT.

Range of Water Temp., Surface 77° F Below Mid-Depth 77° F

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGING CONTINUES WITHOUT INCIDENT AT STATIONS 96+00 TO 214+00. MATERIAL IS FINE SAND WITH SILT. ABIOTIC SAMPLES INCLUDE WOOD, ROCK, METAL, LINE, ROPE AND ASSORTED TRASH. BIOLOGICAL TAKE LIGHT AND CONSISTS OF 6 HORSESHOE CRABS, 8 BLUE CRABS, 2 SPIDER CRABS AND 1 STINGRAY.

THERE WERE NO INCIDENTS OR SIGHTINGS OF ENDANGERED OR PROTECTED SPECIES.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
NONE		

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY / CHESAPEAKE BAY

WEEKLY SUMMARY

Dates 07/19/02 - 07/25/02 Load Numbers 1076, 1078, 1080, 1082, 1084, 1086, 1088, 1089*, 1090, 1092, 1094, 1096, 1098, 1100

Range of Water Temp., Surface 75°-78°F Below Mid-Depth 75-77°F

Areas Worked (lat/longs, stations) STATIONS 96+00 TO 214+00 (37 00N 76 02 W)

Are there incidents involving endangered or protected species? YES (NO)

Comments (turtle takes, whale sightings, effectiveness of screening, by-catch, material, other info):

DREDGING OPERATIONS CONTINUE AT STATIONS 96+00 TO 214+00 WITHOUT INCIDENT. ABIOTIC SAMPLES INCLUDE WOOD, ROCK, METAL, ROPE, NET, LINE AND ASSORTED TRASH. BIOLOGICAL TAKE REMAINS LOW IN VARIETY AND ABUNDANCE AND CONSISTS OF 29 HORSESHOE CRABS, 36 BLUE CRABS, 11 SP. OF CRABS, 5 FLOUNDER, 9 CLEARNOSE SKATE, 10 SOUTHERN STINGRAY AND ASSORTED WHELK AND MOON SNAILS.

EQUIPMENT AND SCREENING ARE ALL IN GOOD WORKING ORDER. MATERIAL IS FINE SAND WITH SILT.

THERE WERE NO INCIDENTS OR SIGHTINGS OF ENDANGERED OR PROTECTED SPECIES.

Bridge Watch Summary

Date	Various Species and Respective Number			Comments
07/19	Tursiops truncatus		16-18	AT OR ENROUTE TO DUMP SITE
07/20	"		4	@ BUOY 10 "CATCHIN AIR"
07/21	"		3	ROLLING ACROSS CHANNEL
07/22	"		12-14	ENROUTE TO DUMP, ROLLING
07/24	"		4	JUST OUTSIDE CHANNEL, RED BUOY
/				
/				

Observers on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY / CHESAPEAKE BAY

DAILY REPORT

Date 07 / 26 / 02 Load Numbers 1102, 1104

Area(s) Worked STATIONS 96+00 TO 214+00 (37 00 N 76 02 W)

Weather Conditions (incl. sea conditions) OVERCAST / RAIN; WINDS E/NE 5-15K; SEAS NE 2-3 FT.

Range of Water Temp., Surface 74° F Below Mid-Depth 73° F

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGING OPERATIONS CONTINUE WITHOUT INCIDENT AT STATIONS 96+00 TO 224+00. ABIOTIC SAMPLES INCLUDE WOOD, ROPE AND ASSORTED TRASH. BIOLOGICAL SPECIMENS CONSIST OF 6 HORSESHOE CRAB, 7 BLUE CRAB, WHELK AND MOON SNAIL.

THERE WERE NO SIGHTINGS OR INCIDENTS WITH ENDANGERED OR PROTECTED SPECIES.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
NONE		

Observer(s) on duty BRETT JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: BAYPORT

Project: CAPE HENRY / CHESAPEAKE BAY

DAILY REPORT

Date 07 / 27 / 02 Load Numbers 1106, 1108

Area(s) Worked STATIONS 96+00 TO 214+00 (37 00 N 76 02 W)

Weather Conditions (incl. sea conditions) P. CLOUDY / RAIN; WINDS E/NE 5K; SEAS SE 1-2 FT.

Range of Water Temp., Surface 76° F Below Mid-Depth 75° - 76° F

Condition and Effectiveness of Screening GOOD

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

DREDGING OPERATIONS CONTINUE WITHOUT INCIDENT AT STATIONS 96+00 TO 214+00. MATERIAL IS FINE SAND WITH SILT. ABIOTIC SAMPLES INCLUDE WOOD, ROPE, LINE AND ASSORTED TRASH. BIOLOGICAL SPECIMENS REMAIN LOW IN VARIETY AND ABUNDANCE AND CONSIST OF 5 HORSESHOE CRAB, 6 BLUE CRAB, 2 SOUTHERN STINGRAY, WHELK AND MOON SNAILS.

THERE WERE NO INCIDENTS NOR ANY SIGHTINGS OF ENDANGERED OR PROTECTED SPECIES.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	25-30	1945 IN AND ABOUT CHANNEL FEEDING

Observer(s) on duty BRET JOHNSON

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry, Chesapeake Bay

DAILY REPORT

Date 7 / 28 / 02 Load Numbers 1110, 1112

Area(s) Worked Stations 96^{+00} - 214^{+00}

Weather Conditions (incl. sea conditions) clear, calm.

Range of Water Temp., Surface 77°-78°F Below Mid-Depth 77°-78°F

Condition and Effectiveness of Screening Excellent

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch. etc.):

There were no incidental takes of endangered or threatened species.

Dredged material consisted of sand.

Biota retained by screening included 4 Horseshoe crabs.

Observer Brett Johnson departed and was replaced by Meghan Piercy

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	≈10-15	11:07 / @ the disposal area
Tursiops truncatus	≈50-75	19:15-20:15 / red buoy #10 area / very active

Observer(s) on duty Brett Johnson, Meghan Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry, Chesapeake Bay

DAILY REPORT

Date 7 / 29 / 02 Load Numbers 1114, 1116

Area(s) Worked 96+000 — 214+000

Weather Conditions (incl. sea conditions) Clear sky, seas = 1-2, Westerly breeze @5, hazy, hot & humid

Range of Water Temp., Surface 79°-81°F Below Mid-Depth 79°-81°F

Condition and Effectiveness of Screening Excellent

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

There were no incidents with or sightsings of endangered species.

Dredged material consists of fine sand.

Biota retained in screening included: 4 horseshoe crabs, 2 hermit crabs, 1 spider crab, 3 rays, 2 flounder, moonsnail and razor clam.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	20	10:30 | between cut and disposal area
Tursiops truncatus	30	10:50 | near disposal area
Tursiops truncatus	20-30	20:00 | between buoys #10-#12.

Observer(s) on duty Meghan Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry, Chesapeake Bay

DAILY REPORT

Date 7 / 30 / 02 Load Numbers 1118, 1120

Area(s) Worked 96+00 - 214+00

Weather Conditions (incl. sea conditions) clear sky, seas = calm - 1', wind = Ø - Westerly @ 5 Kts

Range of Water Temp., Surface 79°-81°F Below Mid-Depth 79°-81°F

Condition and Effectiveness of Screening Excellent

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch. etc.):

There were no incidents with any endangered species and no sightings of large whales.

Dredged material consists of fine sand and small amount of rock.

Biota retained in screening consisted of: 4 HS crab, 1 spider crab, 3 blue crab (with eggs), razor clam.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	2	08:30 / between buoys #10-12.

Observer(s) on duty Meghan Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry, Chesapeake Bay

DAILY REPORT

Date 7 / 31 / 02 Load Numbers 1122, 1124

Area(s) Worked Stations 96+00 – 214+00

Weather Conditions (incl. sea conditions) PC, clear, seas = calm-1'

Range of Water Temp., Surface 81° -82°F Below Mid-Depth 81°-82°F

Condition and Effectiveness of Screening Excellent

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

There were no incidents with sea turtles and no sightings of large whales.

Dredged material consists of fine sand and small amount of rock.

Biota retained in screening included: 7 Horseshoe crabs, 8 blue crab (with eggs), flounder and 2 rays.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	8-10	0650 / between buoys 10-12
Wilson's Storm Petrel	1	10:20 / enroute to disposal
Tursiops truncatus	4	18:06 / between N & S channels

Observer(s) on duty Megha Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry, Chesapeake Bay

DAILY REPORT

Date 8 / 1 / 02 Load Numbers 1126, 1128

Area(s) Worked Stations: 916+00 - 214+00

Weather Conditions (incl. sea conditions) P/C, seas = 1', westerly @ < 5

Range of Water Temp., Surface 78° - 83°F Below Mid-Depth 78° - 83°F

Condition and Effectiveness of Screening Excellent

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

There were no turtle takes and no sightings of large whales.

Dredged material consists of sand, silt, rock.

Biota retained in screening included: 9 Horseshoe crabs, whelks, 10 blue crab (some w/ eggs), 1 spider crab, 1 hermit crab, flounder, and a skate.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	3	20:15 / between N & S channels.

Observer(s) on duty Meghan Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry, Chesapeake Bay

WEEKLY SUMMARY

Dates 7/26/02 - 8/01/02 **Load Numbers** 1102, 1104, 1106, 1108, 1110, 1112, 1114, 1116, 1118, 1120, 1122, 1124, 1126, 1128

Range of Water Temp., Surface 74°-83°F **Below Mid-Depth** 73°-83°F

Areas Worked (lat/longs, stations) Stations: 96+00 - 214+00 (37°00' N, 76°02' W)

Are there incidents involving endangered or protected species? YES (NO)

Comments (turtle takes, whale sightings, effectiveness of screening, by-catch, material, other info):

There were no turtle takes and no sightings of large whales this week.

Dredged material consists of fine sand, silt and rock.

Biological specimens retained in screening included:
39 Horseshoe Crab, 34 Blue Crab (Some of which are carrying eggs), 3 Spider Crabs, 3 Hermit Crabs, Stingrays, Skates, flounder, Moonsnail, razor Clams, Whelks

Observer Brett Johnson was replaced by Meghan Piercy on 7/28.

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
7/27	Tursiops truncatus = 25-30	feeding in and around channel.
7/28	Tursiops truncatus ≈ 60-90	@ disposal area, in channel, very active.
7/29	Tursiops truncatus ≈ 70-100	@ disposal area, in channel
7/30	Tursiops truncatus ≈ 2	in the Channel.
7/31	Tursiops truncatus ≈ 13-15	@ disposal & around channel.
7/31	Wilson's Storm Petrel - 1	enroute to disposal
8/1	Tursiops truncatus ≈ 3	between N + S Channels

Observers on duty Meghan Piercy, Brett Johnson

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry, Chesapeake Bay

DAILY REPORT

Date 8 / 02 / 02 Load Numbers 1130, 1132

Area(s) Worked Stations 148+00 - 194+00

Weather Conditions (incl. sea conditions) P/C, seas=1-3, wind=0-15 SE

Range of Water Temp., Surface 78° - 80°F Below Mid-Depth 77-80°F

Condition and Effectiveness of Screening Good. Doors of screening seem to work their way ajar and should be checked by observers on commencement of each load, to asure they are closed, and by the dragtenders during turns, to assure they are closed.

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

There were no turtle takes and no sightings of large whales.

Dredged material consists of sand, silt and minimal rock.

Biota retained in screening included: 1 Horseshoe crab, 3 Blue Crab (some with eggs), 1 Hermit crab (without the shell)

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	30-	10:30/ enroute to disposal area
Tursiops truncatus	5-10	10:55/ 1.5 mi N of disposal area.

Observer(s) on duty Meghan Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry, Chesapeake Bay

DAILY REPORT

Date 8 / 03 / 02 **Load Numbers** 1134, 1136

Area(s) Worked Stations 148+00 – 194+00

Weather Conditions (incl. sea conditions) P/C, seas = 0-2, Wind = Calm – SE @ 5-10

Range of Water Temp., Surface 81-83°F **Below Mid-Depth** 81°-83°F

Condition and Effectiveness of Screening Good.

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

There were no incidents with, but there were sightings of 2 sea turtles (see below). No sightings of large whales.

Dredged material consists of sand, silt, and rock.

Biota retained in screening includes: 10 Horseshoe crabs, 2 Blue Crab, 2 Spider Crab, 1 Skate, 2 rays, lightening whelks.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Unidentified Sea Turtle	1	07:30/100 feet inside channel @ buoy #9. Almost sure it was a loggerhead, but saw only w/naked eye 400' off.
Caretta Caretta	1	08:45 200' NE of red buoy #10
Tursiops	50-60	1.5-2 mi N of disposal. Lots of breaching. Variety of age.

Observer(s) on duty Meghan Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry, Chesapeake Bay

DAILY REPORT

Date 8 / 04 / 02 Load Numbers 1138+1140

Area(s) Worked stations 148+00 - 194+00

Weather Conditions (incl. sea conditions) clear (hazy), SE@5-10, seas = 1'

Range of Water Temp., Surface 78-81° (dropped in P.M.) Below Mid-Depth 78-81

Condition and Effectiveness of Screening Good.

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

There were no incidents with protected species, one sighting of a Loggerhead Sea Turtle and no sightings of large whales.

Dredged material consists of sand, silt, rock.

Biota retained in screening included: 9 Horseshoe crab, 4 Blue crab, 1 Spider Crab, 1 Hermit crab in a moonsnail, 2 clearnose

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	30-40	10:19 / enronte to disposal
Tursiops truncatus	3-4	10:40 / enronte to disposal / inordinate amt. of thrashing
Caretta caretta	1	11:12 / @ disposal area / came up for air 2x.

Observer(s) on duty Meghan Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry, Chesapeake Bay

DAILY REPORT

Date 8 / 05 / 02 Load Numbers N/A

Area(s) Worked

Weather Conditions (incl. sea conditions)

Range of Water Temp., Surface Below Mid-Depth

Condition and Effectiveness of Screening

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

The dredge sailed into NORSHIPCO dock, where it remained the entiree day. Repairs were conducted on the hopper seal and Z-drive.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Meghan Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry, Chesapeake Bay

DAILY REPORT

Date 8 / 06 / 02 Load Numbers N/A

Area(s) Worked

Weather Conditions (incl. sea conditions)

Range of Water Temp., Surface Below Mid-Depth

Condition and Effectiveness of Screening

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

The dredge remained in the ship yard all day for repairs

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Meghan Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry, Chesapeake Bay

DAILY REPORT

Date 8 / 07 / 02 Load Numbers 1142

Area(s) Worked Stations 148+00 – 194+00

Weather Conditions (incl. sea conditions) P/C, seas=3-4, wind= Northerly @10-15

Range of Water Temp., Surface 77°F Below Mid-Depth 76°F

Condition and Effectiveness of Screening screen on starboard forward lander was open during load.

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

There were no incidents with sea turtles and no sightings of large whales.

Dredged material consists of sand, silt, rock.

Biota retained in screening included: 6 Horseshoe Crab, 2 Blue crab.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Meghan Percy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry, Chesapeake Bay

DAILY REPORT

Date 8 / 08 / 02 **Load Numbers** 1144; 1146

Area(s) Worked stations 148+00 – 194+00

Weather Conditions (incl. sea conditions) P/C, seas=1-3, wind=light easterly

Range of Water Temp., Surface 77°F **Below Mid-Depth** 77°F

Condition and Effectiveness of Screening Good.

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

There were no incidents with or sightings of sea turtles or large whales.

Dredged material consists of sand, silt and small amt. of rock.

Biota retained in screening included: 7 Horseshoe Crab, 2 Channeled Whelk and mossnails.

Derrick Barge "Wotan" sailed up and anchored inside Cape Henry hauling the turret from the Civil War Ship "The Monitor." Wotan is owned by Manson Gulf.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	30-40	07:50 / enroute to disposal area.
Tursiops truncatus	75+	16:00 / Half way between disposal + cut.
Tursiops truncatus	4	19:13 / @ the cut

Observer(s) on duty Meghan Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry, Chesapeake Bay

WEEKLY SUMMARY

Dates 8/02/02 - 8/08/02 Load Numbers 1130, 1132, 1134, 1136, 1138, 1140, 1142, 1144, 1146

Range of Water Temp., Surface 77-83°F Below Mid-Depth 76-83°F

Areas Worked (lat/longs, stations) Stations 148+00 - 194+00

Are there incidents involving endangered or protected species? YES (NO)

Comments (turtle takes, whale sightings, effectiveness of screening, by-catch, material, other info):

* There were no incidents with, but there were sightings of sea turtles (see below). There were no sightings of large whales.

* Dredged material consists of sand, silt and small amount of rock. Screening is in good condition with the intermittent exception of the forward starboard door, which manages to sometimes open. Dragtenders & observer are working together to resolve the problem.

* The dredge spent 8/5-8/7 at the Norshipco Shipyard for repairs and fueling, returning to work late afternoon on the 7th.

* Biota retained included: 31 Horseshoe crabs, 11 Blue crabs, 2 Hermit crabs, 3 spider crabs, 1 skate, 4 Rays, Lightening whelks, Channeled whelks, Moonsnails.

* Turcet from "The Monitor" sailed past on it's way to Newport News.

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
8/12	Tursiops truncatus 35-45	enroute to disposal
8/13	Unid'd sea turtle (1)/Caretta Caretta (1)/Tursiops truncatus (50-60)	Turtles in channel @ cut, 1t N of disposal.
8/14	Tursiops (33-44)/Caretta Caretta (1)	dolphins N of dump, Turtle @ dump
8/18	Tursiops (30-40)(75+)(4)	Large groups N of disposal, 4 @ cut
/		
/		

Observers on duty: Meghan Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry, Chesapeake Bay

DAILY REPORT

Date 8 / 09 / 02 **Load Numbers** 1148, 1150

Area(s) Worked Stations 148+00 – 184+00

Weather Conditions (incl. sea conditions) clear – P/C, seas = 0-2, northerly breeze ≈ 5 knots

Range of Water Temp., Surface 77°-78°F **Below Mid-Depth** 77-78°F

Condition and Effectiveness of Screening More steel plate welded to base of foreward starboard lander in attempt full closure.

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

There were no incidents with sea turtles but a few were seen (see below.)
There were no sightings of large whales.

Dredged material consists of sand, silt, a few rocks.

Biota retained in screening included: 15 Horseshoe crabs, 2 Blue crab, 1 flounder, Channeled whelk, lightening whelk.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	6	0600 / ½ way between cut and disposal
Tursiops truncatus	30	10:38 / enroute to disposal
Caretta Caretta	1	11:30 / @ disposal area, very close to dredge
Caretta caretta	1	14:00 / N side of channel @ the cut, load 1149
Jellies	Thousands	19:00 – 19:40 – @ the cut.

Observer(s) on duty Meghan Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry, Chesapeake Bay

DAILY REPORT

Date 8 / 10 / 02 **Load Numbers** 1152, 1154

Area(s) Worked Stations: 148+00 – 194+00 moved to 212+00 – 260+00

Weather Conditions (incl. sea conditions) Clear-P/c, Seas=1-3, W→N @ 5-15.

Range of Water Temp., Surface 77-79°F **Below Mid-Depth** 77-79°F

Condition and Effectiveness of Screening Excellent. Both forward doors are sealing properly now.

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

There were no sightings of or incidents with sea turtles or large whales.

Dredged material consists of sand and silt.

Biota retained in screening increased, most likely because we moved into a new section, and included: 24 Horseshoe crab, 9 Blue crab, large hermit crab, whelks (lightening and channeled), slipper limpits, Sand dollars, sea stars, ray

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	20-30	10:30/ 4.5 mi N of disposal
Tursiops truncatus	10	10:50/ 3 mi N of disposal

Observer(s) on duty Meghan Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry, Chesapeake Bay

DAILY REPORT

Date 8 / 11 / 02 **Load Numbers** 1156, 1158

Area(s) Worked Stations: 212+00 – 260+00

Weather Conditions (incl. sea conditions) Clear – P/c, seas = 1-4, SE@5-20

Range of Water Temp., Surface 77.5 – 79.5 °F **Below Mid-Depth** 77.5 – 79.5 °F

Condition and Effectiveness of Screening Excellent

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

There were no incidents with, or sightings of sea turtles or large whales.

Dredged material consists of sand, silt, rock.

Biota retained in screening included: 14 Horseshoe crab, 4 Blue crab, 2 Hermit crabs, lightening and Channel whelks, sea stars, slipper limpits, moonsnails, sandollars

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	10	06:15 / ½ way between dump and cut
Yellow warbler	1	08:09 / flew south across bay entrance →
Tursiops truncatus	50-70	10:35 – 11:05 all the way to dump from 4mi N

Observer(s) on duty Meghan Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry, Chesapeake Bay

DAILY REPORT

Date 8 / 12 / 02 **Load Numbers** 1160, 1162

Area(s) Worked Stations: 150+00 — 182+00

Weather Conditions (incl. sea conditions) P/C - clear, seas = 1-4, ESE @ 5-15

Range of Water Temp., Surface 77-79°F **Below Mid-Depth** 77-79°F

Condition and Effectiveness of Screening Excellent

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

There were no incidents with nor sightings of large whales today.

Dredged material consists of sand, silt and rock.

Biota retained in screening included: 13 Horseshoe crab, 3 Blue crab, 1 spider crab, lightening + channeled whelks, Hermit crabs, sand dollar, razor clams, Clearnose skate, 1 baby 4" skate.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	10	09:45 / just inside sea buoy
Tursiops truncatus	10-15	10:06 / 4 mi N of dump
		& above still there on return to cut.
		(as they are every day!)

Observer(s) on duty Meghan Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Chesapeake Bay, Cape Henry

DAILY REPORT

Date 8 / 13 / 02 **Load Numbers** 1164, 1166

Area(s) Worked Stations 150+00 – 182+00, 96+00 – 160+00

Weather Conditions (incl. sea conditions) P/C - hazy, Seas = 1-3, Wind = S-SE @ 5-15

Range of Water Temp., Surface 78°F **Below Mid-Depth** 78°F

Condition and Effectiveness of Screening Excellent

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

There were no incidents with sea turtles and no sightings of large whales.

Dredged material consists of sand, silt and rock.

Biota retained in screening included: 12 Horseshoe crabs, 3 Blue crabs, 4 Hermit crabs, 1 spider crab, channeled whelks, lightening whelks, moonsnails, sea stars, flounder, 1 skate

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	10	9:40 / enroute to disposal
Tursiops truncatus	4	11:05 / return from disposal

Observer(s) on duty Meghan Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry, Chesapeake Bay

DAILY REPORT

ate 8 / 14 / 02 **Load Numbers** 1168, 1170

:ea(s) Worked stations 98+00 – 128+00

'eather Conditions (incl. sea conditions) P/C – M/C, seas = 1-4, wind = S@5-20

ange of Water Temp., Surface 78-79 **Below Mid-Depth** 78-79

ondition and Effectiveness of Screening Seems to be a never ending battle with the rocks getting jammed. Chains seem to help.

.re there incidents involving endangered or protected species? YES (NO)

'omments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

There were no turtle takes and no sightings of large whales.

Dredged material consists of sand, silt and rock.

Biota retained in screening included: 9 Horseshoe crabs, 2 Blue Crabs, 1 Hermit crab, sea stars, Channeled whelk, lightening whelks, Moonsnails.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	2	09:00/@ buoy #4

Observer(s) on duty Megha Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry, Chesapeake Bay

DAILY REPORT

Date 8 / 15 / 02 **Load Numbers** 1171, 1172, 1173

Area(s) Worked stations: 98+00 — 128+00

Weather Conditions (incl. sea conditions) m/c, -rain, seas=1-2, S@5-10

Range of Water Temp., Surface 78°F **Below Mid-Depth** 78°F

Condition and Effectiveness of Screening Seems to be a never ending battle with the rocks getting lodged in bottom of screening. Chains help when in place.

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

There were no incidents with and no sightings of turtles or large whales.

Dredged material consists of sand, silt and clay.

Biota retained in screening included 8 Horseshoe crabs, 1 Blue Crab, 1 Hermit crab, lightening and Channeled Whelks,

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	4	07:20/2 mi N of disposal

Observer(s) on duty Meghan Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry, Chesapeake Bay

WEEKLY SUMMARY

Dates 8/09/02 - 8/15/02 **Load Numbers** 1148, 1150, 1152, 1154, 1156, 1158, 1160, 1162, 1164, 1166, 1168, 1170, 1171, 1172, 1173

Range of Water Temp., Surface 77 - 79.5°F **Below Mid-Depth** 77 - 79.5°F

Areas Worked (lat/longs, stations) stations 148+00 - 194+00, 212+00 - 260+00, 150+00 - 182+00, 96+00 - 160+00, 98+00 - 128+00

Are there incidents involving endangered or protected species? YES (NO)

Comments (turtle takes, whale sightings, effectiveness of screening, by-catch, material, other info):

There were no incidents with sea turtles and no sightings of large Whales this week. There is a never ending battle with rocks lodging in the screening, but chains help.

Dredged material consists of sand, silt, rock. Biota retained included: 89 Horseshoe Crabs, 24 Blue crab, 10 Hermit crabs, spider Crabs, moonsnails, channeled whelks, lightening whelks, flounder, skate, rays, sea stars, slipper limpits, sand dollars.

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
8/9	Tursiops (36), Caretta caretta (2), Jellies (thousands)	Caretta = @ disposal & @ the cut.
8/10	Tursiops truncatus (30-40)	3-4.5 miles N of disposal
8/11	Tursiops truncatus = (60-80) Yellow warbler	4mi N to disposal heading south
8/12	Tursiops truncatus = (20-35)	from Cape Henry sea buoy to disposal
8/13	Tursiops truncatus = (14)	between disposal & the cut
8/14	Tursiops truncatus = (2)	@ buoy #4
8/15	Tursiops truncatus = (4)	2 mi N of disposal.

Observers on duty Meghan Piercy

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel, Norfolk

DAILY REPORT

ate 08 / 16 / 02 **Load Numbers** 1177, 1179

:ea(s) Worked 96+00 - 144+00

'eather Conditions (incl. sea conditions) overcast, occasional t-storms, wind S 10-15 Beafort 2

ange of Water Temp., Surface 79°F **Below Mid-Depth** 78°F

ondition and Effectiveness of Screening good

re there incidents involving endangered or protected species? (YES) NO

'omments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Observer Reisa Latorra boarded vessel ~0800. Digging in progress 1700 - fire drill & safety meeting

Load 1179: 2 Front flippers from sea turtle found - 1 in port fwd screen, 1 on aft overflow. Specimens placed in freezer.
Called Chris Slay, left message.
Identification not positive, but probably C. caretta. Specimen with strong dead oder, no fresh blood, possibly dead prior to take. See incident report.
Will call dredge company, etc tomorrow a.m.
Other biological samples: spider & blue crabs, 1 skate, 7 horseshoe crabs, some snails, 1 flounder. Dredged material sand & silt

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	~20	1619 36°52.83'N 75°55.50'N ~1.25 mi east of ship travelling North

Observer(s) on duty Reisa Latorra

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry Channel, Norfolk

DAILY REPORT

Date 08 / 17 / 02 **Load Numbers** 1181, 1183

Area(s) Worked 96+00 - 140+00

Weather Conditions (incl. sea conditions) mostly cloudy, wind SW 5-10, Beaufort 2, exc. vis.

Range of Water Temp., Surface 78°. **Below Mid-Depth** 77°

Condition and Effectiveness of Screening

good

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Dredge material sand & silt.
Screening & deflectors good.
Abiotic samples include occasional rock & small amount of trash
Biological samples included 12 horseshoe crab, 1 skate, 1 blue crab, & some whelk shells

No incidents or sightings of endangered or threatened species

Capt. notified Bob Richardson of ~~Manson Co.~~ of flipper specimens.
Mark from VA Inst. Mar Sci. will arrange for pickup Monday of specimens brought in by crew boat.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
ϕ		

Observer(s) on duty Rosa Latorre

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Bayport

Project: Cape Henry, Norfolk

DAILY REPORT

Date 08 / 18 / 02 **Load Numbers** 1185, 1187, 1188*, 1189 *-checked mid-load

Area(s) Worked 96+00 – 150+00

Weather Conditions (incl. sea conditions) mostly cloudy, wind S, W 5-10, seas 1-2 ft.

Range of Water Temp., Surface 76-79° **Below Mid-Depth** 76-78°

Condition and Effectiveness of Screening Dragtender repaired some bent bars on port fwd inflow. Condition & effectiveness good, except as below.

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Few biological & abiotic samples. Biological samples included ~ 11 horseshoe crab, 2 blue crab, 1 spider crab & some whelk shells.

Abiotic samples included some rocks, wood & a little trash.

A piece of shell wedged open the starboard fwd inflow during load 1187, probably reducing effectiveness some (gap width ~ 4", but length > 30"). Repaired after load (door hydraulically opened & closed).

Dredge material sand & silt

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tt	15-20	0803 on the way to dump, animals rolling & playing in wake
Tt	5	0900 on the way back to dig.
		Several sightings for ~ 5 miles between dump & ½ way back to dig

Observer(s) on duty Reisa Fatorra

Dredge: Bayport

Project: Cape Henry / York Spit

DAILY REPORT

Date 08 / 19 / 02 Load Numbers 1189, 1, 4, 5, 6

Area(s) Worked Cape Henry: 96+00 - 150+00, York Spit: -60+00 - -158+00

Weather Conditions (incl. sea conditions) mostly cloudy, hazy, light wind, Beaufort 2, moderate vis.

Range of Water Temp., Surface 77°F in a.m. Below Mid-Depth

Condition and Effectiveness of Screening screening in good shape except for longish opening on fwd starboard screen which reduces effectiveness.

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

Load 1189 Last Cape Henry dig. Start Load ~~#36~~ 1 @ York Spit

Faxed Friday 8/16 Incident report to Chris Slay, Joel Scusse/N 1100

Called Carrie McDaniel @ NMFS & left message. Faxed her incident report 1630.

Kirk Bigelow on board 0800 -

1st dig at new site nr green buoy #35. Mud, clay. Many worm casings & worms. Mud somewhat sulfur-smelling.

Dump site @ Wolf Trap.

-Capt pointed out COE contract: observer coverage "Not to exceed" 12 hrs. ~~Does not want me observing additional loads or outside 6 12, 6 12 hrs of watch.~~

Biological Samples = 25 hs crabs, 5 hlve crab, 3 flounder, thousands of worms & castings.

Starboard fwd screen open (bent) along bottom reducing screen effectiveness

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tt	~20	0736 36°56.48'N 75°58.68'W rolling
small baitfish		0826 36°51.25N 75°54.07'W several shoals
jellyfish		1135 near grn buoy #35
Tt	5-10	1947 near green buoy #37, rolling, just outside channel

Observer(s) on duty Reed Fatorra

WEEKLY SUMMARY

Dates 08 / 16 / 02 - 08 / 22 / 02 Load Numbers 1177, 1179, 1181, 1183, 1185, 1187, 1188, 1189, 1, 4, 5, 6, 10, 11, 15, 16, 17, ~~21, 22, 23, 26, 27, 28, 32, 33, 34, 37~~, 38

Range of Water Temp., Surface 82-830° F Below Mid-Depth 82-83° F

Areas Worked (lat/longs, stations) stations -60+00 - 60+00 red + grn tow lines

Are there incidents involving endangered or protected species? YES NO

Comments (turtle takes, whale sightings, effectiveness of screening, by-catch, material, other info):

Dredge continued operations at Cape Henry until 08/19 then moved to York Spit. Material dredged at Cape Henry was sand + silt, material at York Spit is sulfur-smelling mud.

Two front flippers from a turtle were taken on 8/16 following load 1179 at 2110. Specimen was very smelly with no fresh blood + appeared to be dead prior to catch, thus increasing difficulty of positive id. Specimen was frozen + transported to VA Marine Science Museum on 8/20. USACE, Chris Slay, NMFS, + Manson were all contacted regarding take.* On 8/22 wendy from VA MSM called + confirmed probable id of loggerhead + probable death prior to take.

Biological specimens at Cape Henry - 30 horseshoe crabs, blue + spider crabs, snails, flounder, skates.

Biological specimens at York Spit - 94 horseshoe crabs, worms + casings, fish (croakers + flounder) skates, blue crab, stomatopods.

Abiotic samples in both areas include fishing line, rope, wood, plastic bags.

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
08 / 16	Tt ~20 between dig + dump travelling north	(bottlenose dolphins) } Cape Henry
08 / 17	Tt 15-20, also group of 5 between dig + dump	
08 / 18	Tt ~20, also group of 5-10 " " "	
/		Tt = Tursiops truncatus
08 / 21	Tt 5-6 near buoy 36. At least 1 breaching	
/		
/		

Observers on duty Reisa Latorra

* Incident report faxed to Chris Slay, NMFS, + sent to VA Marine Science Museum, + submitted to ACOE.

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: M/V BAYPORT

Project: CAPE HENRY CHANNEL, VA

DAILY REPORT

Date 10 / 21 / 02 Load Numbers 1-4 ONLY

Area(s) Worked STATIONS 150-260

Weather Conditions (incl. sea conditions) N20K°, BSS6, SEAS 4-6', OVERCAST, RAINY, 54°F

Range of Water Temp., Surface 66°F Below Mid-Depth

Condition and Effectiveness of Screening ALL INFLOW & OVERFLOW SCREENS ARE IN EXCELLENT CONDITION AND FUNCTIONING WELL.

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

NO INCIDENTS TO REPORT CONCERNING ENDANGERED OR PROTECTED SPECIES. NO SIGHTINGS.

M/V BAYPORT HAS RETURNED TO A PREVIOUS DREDGING SITE. LOAD NUMBERS HAVE BEGUN AT #1 FOR CAPE HENRY CHANNEL CLEAN-UP WORK. BIOLOGICAL BYCATCH INCLUDES: (44) HORSESHOE CRABS, (1) FLATFISH, MISC. WHELKS, RAZOR CLAMS, MERMAID PURSES, WHELK EGGCASES, ECHINODERMS, & WOOD. ABIOTIC: LARGE ROCKS, FISHING NETS, PLASTICS, & FABRIC

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
NONE		

Observer(s) on duty CARRIE SINGER

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: MV Bayport

Project: CAPE HENRY CHANNEL, VA

DAILY REPORT

Date 10 / 22 / 02 Load Numbers *1196 & 1197

Area(s) Worked STATIONS 150-260

Weather Conditions (incl. sea conditions) H 15+K, BSS3, SEAS 2-3' W/ CHOP, OVERCAST, RAIN, 60°F

Range of Water Temp., Surface 66°F Below Mid-Depth

Condition and Effectiveness of Screening ALL SCREENS OPERATING WELL & FUNCTIONING EFFECTIVELY TOWARDS FILTERING OUT BIOTIC & ABIOTIC BYCATCH.

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

NO INCIDENTS TO REPORT CONCERNING ENDANGERED OR PROTECTED SPECIES.

* LOAD #'S HAVE BEEN CONVERTED BACK TO PREVIOUS COUNTS WHEN SECTION 150-260 WAS FIRST DUG. MATERIAL IS SIMILAR TO OTHER AREAS AS IT CONTAINS HIGH MUD CONTENT, SUSPENDED SILT, SOME CLAY & ROCKS. BIOLOGICAL BYCATCH INCLUDES: (49) HORSESHOE CRABS, (2) SKATES, (1) CATFISH, WHELKS, ECHINODERMS, RAZOR CLAMS, MOON SNAILS, (1) CROAKER, & WOOD. ABIOTIC: ROPE, ROCKS, ALUMINUM CANS, FABRIC, PLASTICS & FISHING NET.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
- NONE -		

Observer(s) on duty CARRIE SINGER

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: M/V BAYPORT

Project: CAPE HENRY CHANNEL, VA

DAILY REPORT

Date 10 / 23 / 02 Load Numbers 1199 & 1201

Area(s) Worked STATIONS: 96-260

Weather Conditions (incl. sea conditions) BEAUTIFUL DAY! LIGHT BREEZE, CALM SEAS, SUNNY, 79°F

Range of Water Temp., Surface 67°F Below Mid-Depth

Condition and Effectiveness of Screening ALL INFLOWS & OVERFLOWS IN EXCELLENT WORKING CONDITION.

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

NO INCIDENTS TO REPORT CONCERNING ENDANGERED OR PROTECTED SPECIES.

TRAWLER "BAILEY BOY" CAUGHT Cc "ENCRUSTED W/ BARNACLES" 1600

DREDGED MATERIAL IS SATURATED W/ HORSE SHOE CRABS (106), PLUS AN ADDITIONAL (24) STILL ALIVE FOR A TOTAL OF 130. (5) FLATFISH, (1) SKATE, ECHINODERMS, MOON SNAILS, WHELKS, RAZOR CLAMS, MERMAIDS PURSE, EGGCASES, & WOOD. ABIOTIC INCLUDES: ROCKS, RED PLASTIC POTATO SACK, FABRIC & TWINE.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
NO SIGHTINGS		

Observer(s) on duty CARRIE SINGER

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: M/V BAYPORT

Project: YORK SPIT & CAPE HENRY CHANNEL

WEEKLY SUMMARY

Dates 10 / 17 / 02 - 10 / 23 / 02 Load Numbers 422-434; 1-4; 1196-1201

Range of Water Temp., Surface 65°-67°F Below Mid-Depth _____

Areas Worked (lat/longs, stations) STATIONS: 60-530 (Y. SPIT) & 96-260 (C. HENRY)

Are there incidents involving endangered or protected species? (YES) NO

Comments (turtle takes, whale sightings, effectiveness of screening, by-catch, material, other info):

10.18.02 DREDGE @ NORTHSHIP CO FOR REPAIRS & FUEL UNTIL 0400-1030 (10.19)

10.19.02 DREDGE CATCHES A Cc CLASSIFIED AS PREVIOUSLY DEAD AFTER LOAD #428. SEE REPORT FOR DETAILS.

10.20.02 DREDGE CAUGHT A Cc HEAD AFTER LOAD #431. THOROUGH EXAMINATION REVEALED PREVIOUSLY DEAD ALSO. SEE REPORT.

10.17.02 TRAWLER "BAILEY BOY" CAUGHT (2) Cc 1530 & 2330.

10.19.02 TRAWLER "BAILEY BOY" (1) SPECIES UNKNOWN 1500

10.23.02 TRAWLER "BAILEY BOY" (1) Cc "ENCRUSTED W/ BARNACLES."

NEW AREAS CONTAIN HIGH CONTENT OF MARINE ORGANISMS. (279) HORSESHOE CRABS, (6) BLUE CRABS, HERMIT CRABS, (14) FLATFISH, (4) SKATES, BOTH CHANNEL/KNOBBED WHELKS, MOON SNAILS, RAZOR CLAMS, ECHINODERMS, MISC. CRUSTACEANS, MERMAIDS PURSE, WHELK EGG CASES, & WOOD. ABIOTIC: GALVANIZED CHAIN, SOCKS, PLASTICS, ROPE, Lg. ROCKS, FISHING NET, FABRIC, ALUMINUM CANS, POTATO SACK, & TWINE.

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
___/___	NO SIGHTINGS TO REPORT	
___/___		
___/___		
___/___		
___/___		
___/___		
___/___		

Observers on duty CARRIE SINGER

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: M/V BAYPORT

Project: CAPE HENRY CHANNEL, VA

DAILY REPORT

Date 10 / 24 / 02 Load Numbers 1203 & 1205

Area(s) Worked STATIONS: 96-260

Weather Conditions (incl. sea conditions) NE 15-20°K, BSS3-5, SEAS 3-5' W/CHOP, OVERCAST, 60

Range of Water Temp., Surface 67°F Below Mid-Depth

Condition and Effectiveness of Screening ALL INFLOW & OVERFLOW SCREENS ARE IN EXCELLENT CONDITION & WORKING EFFECTIVELY.

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

NO INCIDENTS TO REPORT CONCERNING TURTLE TAKES OR OTHER ENDANGERED OR PROTECTED SPECIES AFFECTED BY DREDGING.

NO TRAWLER OPERATING ON 10.24.02

MATERIAL EXTRACTED HAS HIGH CONTENT OF BIOTIC BYCATCH: MANNY HORSESHOE CRABS (167), (87) FLOUNDER, HERMIT CRABS, BRYZOANS, WHELKS (CHANNEL/KNOBBED), MERMAIDS PURSE, MOON SNAILS, + (1) SPIDER CRAB. ABIOTIC SAMPLES NOTED WERE: PLASTICS, ROPE, FABRIC, & LARGE ROCKS.

ONLY TWO LOADS PER DAY DUE TO EXTENDED CYCLE TIME.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
NO SIGHTINGS		

Observer(s) on duty CARRIE SINGER

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: M/V BAYPORT

Project: CAPE HENRY CHANNEL, VA

DAILY REPORT

Date 10 / 25 / 02 Load Numbers 1207 & 1209

Area(s) Worked 96 - 158 STATIONS

Weather Conditions (incl. sea conditions) NE 15-25 KT; BSS 5/6; SEAS 4-6' W/ CHOP, OVERCAST, RAIN @ 40°F

Range of Water Temp., Surface 69°F Below Mid-Depth

Condition and Effectiveness of Screening ALL SCREENING FUNCTIONING NORMALLY & IN GOOD CONDITION.

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

NO INCIDENTS TO REPORT CONCERNING ENDANGERED OR PROTECTED SPECIES WHILE DREDGING ACTIVITIES UNDERWAY.

NEW TRAWLER "CHERYL LYNN" ARRIVES @ 1600.

BIOLOGICAL BYCATCH HIGH: (102) HORSESHOE CRABS, WHELKS, (2) SPIDER CRABS, AN ABUNDANCE OF ECHINODERMS. SOME GRASS/WOOD. ABIOTIC: MOSTLY ROCKS & FABRIC.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
NO SIGHTINGS		

Observer(s) on duty CARRIE SINGER

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: M/V BAYPORT

Project: CAPE HENRY CHANNEL, VA

DAILY REPORT

Date 10 / 26 / 02 Load Numbers 1212 ; 1214-1215

Area(s) Worked STATIONS 96-160

Weather Conditions (incl. sea conditions) NW 15+ K, BSS3, 2-4' SWELL, MOSTLY SUNNY, 68°F

Range of Water Temp., Surface 66°F Below Mid-Depth —

Condition and Effectiveness of Screening ALL SCREENS IN EXCELLENT WORKING CONDITION & FILTERING EFFECTIVELY.

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

NO INCIDENTS TO REPORT CONCERNING ENDANGERED OR PROTECTED SPECIES DURING DREDGING OPERATIONS.

NEW REMSA TRAWLER "CHERYL LYNN" ARRIVED & CAUGHT (1) GREEN TURTLE, (1) KEMPS RIDLEY, & (1) STURGEON. 1540 & 2230, RESPECTIVELY.

DREDGED MATERIAL LADEN W/ HORSESHOE CRABS (89), STONE CRABS (6), HERMIT CRABS, FLATFISH, WHELKS, ECHINODERMS, EGG CASES, MERMAIDS PURSE, & SEA GRASS. ABIOTIC: PLASTIC, FABRIC, & ROCKS, & ROPE.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
NONE		

Observer(s) on duty CARRIE SINGER

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: M/V BAYPORT

Project: CAPE HENRY CHANNEL, VA

DAILY REPORT

Date 10 / 27 / 02 Load Numbers 1217; 1219-1220

Area(s) Worked STATIONS 96-250

Weather Conditions (incl. sea conditions) LIGHT BREEZE, ROLLING 2-4' SWELL, BSSI, SUNNY, 68°F

Range of Water Temp., Surface 64°F Below Mid-Depth

Condition and Effectiveness of Screening ALL SCREENS ARE IN EXCELLENT WORKING CONDITION & FUNCTIONING NORMALLY.

Are there incidents involving endangered or protected species? (YES) NO

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

1830: WITH THE COMPLETION OF LOAD# 1219, A NEARLY INTACT KEMP'S RIDLEY WAS EXTRACTED FROM THE PORT FORWARD INFLOW SCREEN. SPECIMEN WAS IN EXCELLENT IDENTIFYING CONDITION, EXCEPT FOR A CRUSHED ANTERIOR PORTION OF CARAPACE. ALL INTERNAL ORGANS REMOVED. HEAD & ~~LEFT~~ RIGHT FRONT FLIPPER WERE DETACHED FROM BODY. TURTLE RETAINED ALL APPROPRIATE CHARACTERISTICS IN DISTINGUISHING IT FROM ANY OTHER SPECIES. SEE FULL INCIDENT REPORT FOR DETAILS. ADDITIONAL BIOLOGICAL BYCATCH INCLUDED: (61) HORSESHOE CRABS, (1) SMALL PUFFER, MISC. WHELKS (KNOBBED / CHANNELED), HERMIT CRABS, ECHINODERMS, RAZOR CLAMS, & WOOD. ABIOTIC: ROCKS & FABRIC.

1950: FREEZER EMPTIED OF PREVIOUS KILLS & REMAINS OF FOUR TURTLES AT DISPOSAL SITE.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
NO SIGHTINGS		

Observer(s) on duty CARRIE SINGER

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: M/V Bayport

Project: Cape Henry Channel

DAILY REPORT

Date 10 / 28 / 02 Load Numbers 1222 + 1224

Area(s) Worked Stations 96 - 250

Weather Conditions (incl. sea conditions) N 5-15 kts, BSS 1-4, calm to choppy seas 3'-5', overcast, rain, 60°F - 66°F

Range of Water Temp., Surface 64°F Below Mid-Depth -

Condition and Effectiveness of Screening All screening equipment in good condition and working effectively

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

material dredged = sand, mud

Trawler "Cheryl Lynn" on station @ 0820

Biota: Horseshoe Crabs (31), whelks, skate + whelk egg cases, Clearnosed Skate (1), flounder (2), seaweed

Abiota: cloth material, chain, plastic

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Carrie Singer + Wolf Lange

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: M/V Bayport

Project: Cape Henry Channel

DAILY REPORT

Date 10 / 29 / 02 Load Numbers 1226 + 1228

Area(s) Worked Stations 96 - 160

Weather Conditions (incl. sea conditions) BSS 4, winds NE 20 kts, overcast + rain, 58°F

Range of Water Temp., Surface 56°F - 57°F Below Mid-Depth 54°F - 55°F

Condition and Effectiveness of Screening All screening is in good condition, except for the front panel of the forward port inflow. The front panel is bent outwards, and is not effectively screening.

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

material dredged = mud, sand

Biota: Horseshoe crabs (29), whelks (3), flounder (1) seaweed, and: skate and whelk egg cases.

Abiota: N/A

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Wolf Lange

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: m/v Bayport

Project: Cape Henry Channel, VA.

DAILY REPORT

Date 10 / 30 / 02 Load Numbers 1230 + 1232

Area(s) Worked Stations 96 - 160

Weather Conditions (incl. sea conditions) winds N 20 kts, BSS 4, 5'-6' seas, overcast + rain, 55°F

Range of Water Temp., Surface 60°F Below Mid-Depth 58°F

Condition and Effectiveness of Screening All screening is in good condition, except for the front panel of the forward port inflow. This panel is bent outwards approximately 6"-8".

Are there incidents involving endangered or protected species? (YES) NO

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

material dredged = sand, mud

Fishing trawler "Cheryl Lynn" was on station from noon - midnight

Incidental capture of a loggerhead sea turtle (see attached incident report)

Biota: Juvenile sandbar shark (1), Puffer-fish (1), flounder (8) Horseshoe crab (14), whelk (2), also hermit crabs, skate + whelk egg cases, seaweed

Abiota: large metal bolt with nut

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty David "Wolf" Lange

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: m/v Bayport

Project: Cape Henry Channel, VA.

DAILY REPORT

Date 10 / 31 / 02 **Load Numbers** 1234 + 1236

Area(s) Worked Stations 96 - 160

Weather Conditions (incl. sea conditions) NW 15-20 kts, BSS 2-4, 2'-6' seas, overcast + rain, 48°F

Range of Water Temp., Surface 59°F **Below Mid-Depth** 57°F

Condition and Effectiveness of Screening All screening is in good condition, except for the front panel of the forward port inflow. The left side of this panel is bent outward approximately 6"-8".

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

material dredged = sand, mud

Fishing trawler "Cheryl Lynn" working on station from noon - midnight

↳ today's catches: 1500 a 450lb. loggerhead

1620 1 loggerhead and 1 Kemps Ridley

2015 1 Kemps Ridley

Bycatch: Horseshoe crab (2), spider crab (2)

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty David "Wolf" Lange

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: MIV BAYPORT

Project: CAPE HENRY CHANNEL, VA

WEEKLY SUMMARY

Dates 10 / 24 / 02 - 10 / 31 / 02 Load Numbers 1203, 1205, 1207, 1209, 1212, 1214, 1215, 1217, 1219, 1220, 1222, 1224, 1226, 1228, 1230, 1232, 1234, 1236

Range of Water Temp., Surface 57°F - 67°F Below Mid-Depth 55°F - 65°F

Areas Worked (lat/longs, stations) Stations 96 - 260

Are there incidents involving endangered or protected species? (YES) NO

Comments (turtle takes, whale sightings, effectiveness of screening, by-catch, material, other info):

Turtle takes: 10/27/02 1 Kemps Ridley
10/30/02 1 Loggerhead

Fishing Trawler "Cheryl Lynn" worked on station 10/25, 26, 28, 30, 31 /02
↳ 10/26/02 1 Green, 1 Kemps Ridley, 1 Atlantic Sturgeon
↳ 10/31/02 2 Loggerheads, 2 Kemps Ridley
↳ all animals were released alive several miles away from dredge site

Bycatch: Horseshoe crabs (493), Flounder (19), Juvenile sandbar shark (1), clear nosed skate (1), pufferfish (1), also spider crabs, whelks, skate + whelk egg cases

All screening in good condition except for the front panel of the forward port inflow. The left side of this panel is bent outward approx. 6"-8". This happened sometime overnight between 10/28-29.
material dredged = sand, mud

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
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Observers on duty CARRIE SINGER + David "Wolf" Lange

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: m/v Bayport

Project: Cape Henry Channel, VA

DAILY REPORT

Date 11 / 01 / 02 **Load Numbers** 1238 - 1241

Area(s) Worked Stations 96 - 160

Weather Conditions (incl. sea conditions) NW 8-25 kts, BSS 1-3, Seas 1'-5', partly cloudy, 49°F-54°F

Range of Water Temp., Surface 57°F - 58°F **Below Mid-Depth** 55°F - 56°F

Condition and Effectiveness of Screening All screening in good condition except:
Front panel of forward port inflow is bent outwards 6"-8"
Front panel of ~~STBD~~ forward stbd inflow is bent outward approx. 3"

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

material dredged = sand, mud

Fishing trawler "Cheryl Lynn" on station from noon - midnight
↳ no turtles caught

Bycatch: Octopus (1), flounder (2), Horseshoe crab (20), spider crab (3)
whelk (2)

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
/	/	/

Observer(s) on duty David "Wolf" Lange

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: m/v Bayport

Project: Cape Henry Channel / York Spit, VA

DAILY REPORT

Date 11 / 02 / 02 **Load Numbers** 1242 / 439 - 441

Area(s) Worked Cape Henry Channel stations 96-160 / York Spit stations 20-60

Weather Conditions (incl. sea conditions) W 10-14 kts, BSS 2-3, 3'-4' seas, partly cloudy - clear, 50°F

Range of Water Temp., Surface 57°F **Below Mid-Depth** 55°F

Condition and Effectiveness of Screening All screening in good condition except:
Front panel of forward port inflow is bent outward 6"-8"
Front panel of forward stbd inflow is bent outward approx. 3"

Are there incidents involving endangered or protected species? YES (NO)

Comments (details of turtle takes or whale sightings, dredged material, screening, biological by-catch, etc.):

material dredged at both locations was composed of sand, mud

Fishing trawler "Cheryl Lynn" on station between noon - midnight
↳ 1320 1 small loggerhead and 1 Atlantic sturgeon

Bycatch: skate (1), Horseshoe crab (3), spider crab (2), Blue crab (1)

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
/	/	/

Observer(s) on duty David "Wolf" Lange

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: m/v Bayport

Project: Cape Henry Channel / York Spit, VA.

WEEKLY SUMMARY

439 - 441, 445-446, 450 - 452, 455 - 457, 460 - 462

Dates 11/01/02 - 11/04/02 Load Numbers 1238 - 1242

Range of Water Temp., Surface 57°F - 58°F Below Mid-Depth 55°F - 56°F

Areas Worked (lat/longs, stations) Cape Henry Channel = stations 96-160 / York Spit = stations 20-60

Are there incidents involving endangered or protected species? YES (NO)

Comments (turtle takes, whale sightings, effectiveness of screening, by-catch, material, other info):

Fishing trawler Cheryl Lynn worked each day

↳ 11/02 1 small loggerhead and 1 Atlantic Sturgeon

11/03 1 Kemps Ridley

Bycatch: Octopus (1), flounder (4), horseshoe crab (38), spider crab (5) whelk (10), skate (2)

material dredged = sand, mud

End of project

Bridge Watch Summary

Date	Various Species and Respective Number	Comments
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Observers on duty David "Wolf" Lange