ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 08/22/98 Loads: 1-3

Area(s) Worked: STATIONS 572+00 → 432+00 BETWEEN BUOYS 11/12 & 13/14

Weather Conditions: CLEAR, WIND NW → SE 10-12 KTS SEA MODERATE CHOP

Range of H_2O Temperature: Surface — Below Mid-Depth —

Condition of all screening apparatus: EXCELLENT.

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): THIS PROJECT IS THE DEEPENING OF THE YORK RIVER ENTRANCE CHANNEL, THE MATERIAL DREDGED HERE TO BE BOTTOM DUMPED INTO A SPOIL AREA NORTH OF THE CHANNEL. THE PADRE ISLAND HAS 100% HOPPER INFLOW SCREENING CONSISTING OF 4 DISCHARGE BOXES HAVING OPENINGS NO MORE THAN 4" X4". IN ADDITION, EACH DRAGHEAD IS EQUIPPED WITH A TURTLE EXCLUDER DEVICE (TED).
SAMPLES TODAY CONSISTED OF WOOD, LINE, LOTS OF MONOFILAMENT, FISHING TACKLE, LOG, CABLE, CRAB TRAP, FIBERGLASS, NETS, ALUM. CANS, RAGS, PLASTIC BUCKET, RUBBER DEBRIS. BIOLOGICAL SPECIMENS SAMPLED: SEVERAL CHANNELED WHELKS & KNOBBED WHELKS. AT 1245 A DEAD SEA TURTLE WAS REPORTED TO COAST GUARD STATION LITTLE CREEK BY A PLEASURE CRAFT. PADRE'S RADIO WAS IN USE AT THE TIME SO ADDITIONAL INFO WAS MISSED.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TURSIOPS TRUNCATUS	1	~8	IN BAY APPROACHING YORK R. CHANNEL FROM THE SOUTH.

Observer(s) On Duty: C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 08/23/98 Loads: 7-8, 10-11

Area(s) Worked: BETWEEN 560+00 → 460+00

Weather Conditions: HAZY, WIND SW→SE 10-18KTS

Range of H_2O Temperature: Surface — Below Mid-Depth —

Condition of all screening apparatus: EXCELLENT

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): DREDGING AS USUAL. MATERIAL IS VERY FINE SILT (MUD). A DECK HOSE & MONITORS ARE USED TO CLEAN THE EXCEPTIONALLY SLIPPERY MUD FROM THE LANDER TOPS, WHILE DREDGE PUMPS FLUSH THE BOXES FROM THE INSIDE. AFTER THE LOAD IS DUMPED THE BOXES ARE ENTERED, SAMPLES NOTED, AND ACCUMULATED DEBRIS REMOVED. SAMPLES TODAY CONSISTED OF RAGS, LINE, WOOD, HOUSEHOLD REFUSE, NETS, PLASTIC TRASH, MONOFILAMENT, RUBBER HOSE, TIRE PIECES, STEEL; PVC PIPE, ALUM. CANS, TACKLE. BIOLOGICAL SPECIMENS SAMPLED: HORSESHOE CRABS, KNOBBED WHELKS, BLUE CRABS, 2 CROAKERS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NONE	OBSERVED		

Observer(s) On Duty: C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE.

WEEKLY SUMMARY

Dates: 08/22/98 - 08/23/98 Loads: 1-11

Range of H_2O Temperature: Surface — Below Mid-Depth —

Area(s) Worked: BETWEEN 572+00 → 432+00

Are there incidents involving endangered or protected species? Yes____ No X

Comments: THIS PROJECT IS THE DEEPENING OF THE YORK RIVER ENTRANCE CHANNEL, PADRE I. HAS 100% INFLOW SCREENING AND IS EQUIPPED W/ TEDS. DREDGED MATERIAL IS VERY FINE SILT & MUD, LOADS OF WHICH ARE DUMPED IN A SPOIL AREA. AFTER THE LOAD IS DUMPED, THE DISCHG. BOXES ARE CLEANED OFF WITH FIRE MONITORS, AND ACCUMULATED DEBRIS IS SIFTED THROUGH AND REMOVED. BIOLOGICAL SPECIMENS NOTED WERE HORSESHOE CRABS, KNOBBED WHELKS, BLUE CRABS, CROAKERS, LOGS, WOOD, CHANNELED WHELKS. OTHER DEBRIS SAMPLED INCLUDED RAGS, LINE, HOUSEHOLD REFUSE, NETS, PLASTICS, MONOFILAMENT, RUBBER HOSE, TIRE PIECES, STEEL, PVC, ALUM. CANS, TACKLE, CABLE, CRAB TRAP, FIBERGLASS, MORE NETS.

ON 08-22 AT 1245 A CALL WAS RECEIVED BY USCG STATION LITTLE CREEK CONCERNING A DEAD SEA TURTLE. PADRE'S RADIO WAS IN USE AT THE TIME SO ADDITIONAL INFO WAS MISSED.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TURSIOPS TRUNCATUS	1	~8	APPROACHING YORK R. CHANNEL FROM THE SOUTH.

Observers On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 08/24/98 Loads: 14-15, 18, 19

Area(s) Worked: 560+00 → 475+00 (14 & 15) 10+00 → 60+00 (18 & 19)

Weather Conditions: CLEAR, WIND S'LY FORCE 3-4

Range of H_2O Temperature: Surface 26.5 – 27.0°C Below Mid-Depth N/A.

Condition of all screening apparatus: EXCELLENT

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): DREDGING AS USUAL. BIOLOGICAL SPECIMENS SAMPLED DURING LOADS 14 & 15 INCLUDED HORSESHOE CRABS, KNOBBED WHELKS, CROAKERS, BLUE CRAB. ALSO SAMPLED: LINE, ALUM. CANS, TRASH, PLASTICS, RUBBER, STEEL. NEW SECTION DREDGED DURING LOADS 18 & 19 YIELDED MANY CLAYBALLS, ROCKS, AND MUD NECESSITATING FLUSHING W/ DREDGE PUMPS, MONITORS, AS WELL AS MANUAL REMOVAL OF CLAY & ROCKS UNREACHABLE BY NORMAL FLUSHING. TWO CUTS WERE PERFORMED IN THIS AREA. AFTER CUT 1 OF LOAD 18, SCREENS HAD TO BE OPENED AND BOXES FLUSHED BECAUSE LOADING WAS OBSTRUCTED BY CLAY & ROCK BUILDUP, RESULTING IN EFFECTIVE SAMPLING OF 2ND CUT ONLY. BIOLOGICAL SPECIMENS ON LOADS 18-19 WERE HORSESHOE CRABS, VARIOUS SHELLS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NONE	OBSERVED.		

Observer(s) On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 08/25/98 Loads: LOAD 22

Area(s) Worked: 10+00 → 60+00

Weather Conditions: CLEAR, WIND SSE FORCE 2

Range of H_2O Temperature: Surface 26.5 Below Mid-Depth —

Condition of all screening apparatus: EXCELLENT.

Are there incidents involving endangered or protected species? Yes ____ No X

Comments (type of material being dredged, biological specimens, etc.): BIOLOGICAL SPECIMENS SAMPLED WERE 2 BLUE CRABS, A FLOUNDER, 2 CROAKERS, HORSESHOE CRABS, ALSO, CLAY, ROCKS, MUD. THE PADRE ISLAND TIED UP IN NORFOLK THIS AFTERNOON IN ANTICIPATION OF STORM CONDITIONS ASSOCIATED WITH THE APPROACH OF HURRICANE BONNIE.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NONE	OBSERVED.		

Observer(s) On Duty: C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 08 / 26 / 98 Loads: —

Area(s) Worked: —

Weather Conditions: —

Range of H_2O Temperature: Surface — Below Mid-Depth

Condition of all screening apparatus: —

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): DREDGE ALONGSIDE PIER IN NORFOLK.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 08/27/98 Loads: —

Area(s) Worked: —

Weather Conditions: —

Range of H_2O Temperature: Surface _____ Below Mid-Depth _____

Condition of all screening apparatus: —

Are there incidents involving endangered or protected species? Yes _____ No X

Comments (type of material being dredged, biological specimens, etc.): DREDGE ALONGSIDE PIER IN NORFOLK.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: C MASON

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 08/28/98 Loads: —

Area(s) Worked: —

Weather Conditions: —

Range of H_2O Temperature: Surface — Below Mid-Depth —

Condition of all screening apparatus: —

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): DREDGE ALONGSIDE PIER IN NORFOLK.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
—			

Observer(s) On Duty: C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 08/29/98 Loads: —

Area(s) Worked: —

Weather Conditions: —

Range of H_2O Temperature: Surface — Below Mid-Depth —

Condition of all screening apparatus: —

Are there incidents involving endangered or protected species? Yes ____ No X

Comments (type of material being dredged, biological specimens, etc.): DREDGE ALONGSIDE PIER IN NORFOLK.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
—			

Observer(s) On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 08/30/98 Loads: 25-26

Area(s) Worked: 555+00 → 488+00 GREEN SIDE

Weather Conditions: HAZY, WIND S'LY 10-15 KT

Range of H_2O Temperature: Surface 28.0 °C Below Mid-Depth —

Condition of all screening apparatus: EXCELLENT

Are there incidents involving endangered or protected species? Yes ____ No X

Comments (type of material being dredged, biological specimens, etc.): RETURN TO DREDGING. SAMPLES CONSISTED OF RAGS, FISHING TACKLE, ROCKS, PLASTICS, LINE, RUBBER DEBRIS, BIOLOGICAL SPECIMENS INCLUDED BLUECRAB, HORSESHOE CRAB. MATERIAL IS VERY FINE SILT.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NONE OBSERVED.			

Observer(s) On Duty: C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE.

WEEKLY SUMMARY

Dates: 08/24/98 - 08/30/98 Loads: 14 - 26

Range of H_2O Temperature: Surface 26.5 - 28.0°C Below Mid-Depth —

Area(s) Worked: BETWEEN 560+00 → 475+00 & 10+00 → 60+00

Are there incidents involving endangered or protected species? Yes____ No X

Comments: CONTINUING TO DREDGE LOADS OF SILT & MUD, STATIONS 10 → 60 YIELDED CLAYBALLS & ROCKS - LANDERS CLEARED BY FLUSHING & HAND. BIOLOGICAL SPECIMENS SAMPLED WERE SHELLS, HORSESHOE CRABS, KNOBBED WHELKS, CROAKERS, BLUE CRABS, A FLOUNDER, CHANNELED WHELK. DEBRIS SAMPLED INCLUDED LINE, ALUMINUM CANS, TRASH, PLASTICS, RUBBER, STEEL, FISHING TACKLE, ROCKS, MUD, CLAY. THE DREDGE TIED UP IN NORFOLK THE AFTERNOON OF THE 25TH IN ANTICIPATION OF HURRICANE BONNIE. DREDGING RESUMED ON THE 30TH.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NONE	OBSERVED.		

Observers On Duty: C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 08 / 31 / 98 Loads: 29 - 34

Area(s) Worked: 555 +00 → 480+00

Weather Conditions: HAZY, WIND VAR. SOUTH FORCE 1-2

Range of H_2O Temperature: Surface 27.0 - 28.0°C Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): DREDGING AS USUAL, MATERIAL IN THIS AREA IS FINE SILT, MUD. TRASH DEBRIS IS PREDOMINANTLY FISHING TACKLE INCLUDING TANGLES OF MONOFILAMENT, AS WELL AS LINE, PLASTIC TRASH, RUBBER DEBRIS, ROCKS, AND A SHACKLE. BIOLOGICAL SAMPLES OF NOTE: WOOD, HORSESHOE CRABS, AND 2 ATLANTIC CROAKER.

AN ACCURATE AT-DEPTH H_2O TEMP CANNOT BE OBTAINED BECAUSE THE CONTINUOUS FWD MOTION OF THE SHIP TENDS TO DRAG EVEN A HEAVILY WEIGHTED THERMOMETER NEAR THE SURFACE.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. truncatus	2	5	3 ANIMALS IN YORK R. CHANNEL @ BUOY 13. 2 SIGHTED DURING DUMP RUN N. OF CHANNEL.

Observer(s) On Duty: C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 09/01/98 Loads: 37 - 42

Area(s) Worked: 555+00 → 480+00

Weather Conditions: OVC → CLEARING WIND NE → SE FORCE 2-3

Range of H_2O Temperature: Surface 27.5 → 27.75°C Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): CONTINUING TO DREDGE CLAY, SILT MATERIAL. LANDERS RETAINING SOME CLAY TODAY, CONTINUING TO FLUSH LANDERS W/ FIRE MONITORS PRIOR TO INSPECTION. SAMPLED FISHING TACKLE, RUBBER DEBRIS, LINE, PLASTICS; BIOLOGICAL SPECIMENS NOTED: HORSESHOE CRABS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO OBSERVATIONS			

Observer(s) On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 09/02/98 Loads: 45 - 50

Area(s) Worked: 555+00 → 480+00 (LOADS 45-46) 488+00 → 432+00 (49-50)

Weather Conditions: HAZY, WIND S → SW FORCE 3-4

Range of H_2O Temperature: Surface 27.0-27.5°C Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER.

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): AREA 555 → 480 PRODUCED SAMPLES OF BLUE CRABS, WOOD, MUD/CLAY, FISHING TACKLE, AND A CRAB TRAP, AND A SMALL BOAT ANCHOR. A NUMBER OF FISH FLOATING IN THE HOPPER AFTER LOAD 46 WAS NOTED - SEVERAL WERE RECOVERED & I.D.'d AS M. UNDULATUS (ATLANTIC CROAKER). MATERIAL DREDGED IN AREA 488 → 432 WAS MUDDIER, AND SAMPLED MANY OF WHAT APPEAR TO BE SEDENTARY WORM TUBES (PERHAPS POLYCHAETES). MORE FISH FLOATING DEAD IN THE HOPPER WERE THE ONLY OTHER BIOLOGICAL SPECIMENS. TRASH DEBRIS THIS AREA INCLUDED LINE, TACKLE, RUBBER DEBRIS, STEEL, REFUSE.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO	OBSERVATIONS		

Observer(s) On Duty: C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 09/03/98 Loads: 53 - 58

Area(s) Worked: 488+00 → 432+00 (LOADS 53 & 54) 550+00 → 485+00 (57 & 58)

Weather Conditions: OVERCAST, RAIN, WIND E → SW FORCE 5 TO 45 KTS.

Range of H_2O Temperature: Surface 26.5-27.0°C Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER.

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): CONTINUING TO DREDGE LOADS OF FINE SILT, MUD (MUD RETAINED IN LANDERS). SAMPLES CONSISTED OF HORSESHOE CRABS (LIMULUS POLYPHEMUS), BLUE CRABS (CALLINECTES SAPIDUS), KNOBBED WHELKS (BUSYCON CARICA). DEBRIS SAMPLED: RAGS, LINE, CRAB TRAP, CHAIN, LOG, FISHING TACKLE, AND A # M. UNDULATUS IN HOPPER EACH LOAD. HIGH WINDS ASSOC. WITH HURRICANE EARL.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. TRUNCATUS	1	2	N. OF CHANNEL, DREDGE ENROUTE TO DUMP.

Observer(s) On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 09/04/98 Loads: 61-67.

Area(s) Worked: 550+00 → 485+00 (61) 160+00 → 220+00 (62, 65-67) REF. TO SMPLD. LOADS.

Weather Conditions: CLEAR, WIND NW'LY TO FORCE 7.

Range of H_2O Temperature: Surface 26.0°C (37 EMPS) Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): DREDGING AS USUAL. NEW SECTION (160 → 220) MATERIAL IS MORE SILTY, LESS MUDDY AND CERTAINLY MORE ODIFEROUS. TRASH DEBRIS SAMPLED: CABLE, REFUSE, ROCKS, TACKLE. BIOLOGICAL SPECIMENS SAMPLED: 1 BOTHIDAE FAMILY FLOUNDER, HOGCHOKER (TRINECTES MACULATUS), NAKED SOLE (GYMNACHIRUS MELAS). LANDERS ALSO SAMPLED LARGE NUMBERS OF (POLYCHAETE?) WORM TUBES, ALSO VARIOUS ERRANT POLYCHAETE SPP. NOTED IN MUD RETAINED IN LANDERS. OVERALL, THE NEW SECTION SEEMS TO HAVE A GREATER DIVERSITY OF SPP.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. TRUNCATUS	1	(0715) 1	OUTSIDE CHANNEL #8 BUOY
" "	1	(0957) 2-3	IN CHANNEL B/T #6 & 8 BUOYS.

Observer(s) On Duty: C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 09/05/98 Loads: 72 - 77

Area(s) Worked: 220+00 → 160+00

Weather Conditions: CLEAR, WIND N → SE FORCE 2.

Range of H_2O Temperature: Surface 25.5 - 26.5 °C Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER.

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): DREDGING AS USUAL. BIOLOGICAL SPECIMENS SAMPLED: L. POLYPHEMUS, B. CARICA, M. UNDULATUS, B. CANALICULATUM, S. EMPUSA. A NUMBER OF M. UNDULATUS & L. XANTHURUS CONTINUE TO BE NOTED FLOATING IN HOPPER. VARIOUS ERRANT POLYCHAETES AND WORM TUBES ALSO SAMPLED. TRASH SAMPLED: ROCKS, RAGS, STEEL, WOOD, REFUSE, RUBBER, MUD. A VARIETY OF SHELL FRAGMENTS WERE ALSO SAMPLED, INCLUDING THE BLOOD ARK, A. OVALIS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. TRUNCATUS	1	2-3	IN CHANNEL B/T #6 & 8 BUOYS.

Observer(s) On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 09/06/98 Loads: 80 - 87

Area(s) Worked: 220+00 → 160+00

Weather Conditions: CLEAR, WIND SW 2-4

Range of H_2O Temperature: Surface 26.0°C Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): DREDGING AS USUAL, SILTY MUD MATERIAL, SAMPLING L. POLYPHEMUS, C. SAPIDUS, M. UNDULATUS, TRINECTES MACULATUS, B. CARICA, WORM-TUBES, SHELL FRAGMENTS. SOME COMMENSAL OR PARASITIC CRABS (PINNOTHERES OR RELATED GENERA) FOUND TO BE LIVING IN WORM-TUBES. OTHER DEBRIS SAMPLED INCLUDES ROCKS, WOOD, TACKLE, PLASTICS, STEEL PIPE, REBAR, OTHER STEEL DEBRIS, ALUM. CANS, LINE, CHAIN.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO OBSERVATIONS.			

Observer(s) On Duty: C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE.

WEEKLY SUMMARY

Dates: 08/31/98 - 09/06/98 Loads: 29 - 87

Range of H_2O Temperature: Surface 25.5 - 28.0°C Below Mid-Depth —

Area(s) Worked: 555+00 → 480+00 (SECT. 1) 488+00 → 432+00 (SEC. 2) 160+00 → 220+00 (SECT. 3)

Are there incidents involving endangered or protected species? Yes____ No X

Comments: SECTION 1 (ABOVE) YIELDED FINE SILTY, MUDDY MATERIAL AND SAMPLED LIMULUS POLYPHEMUS, MICROPOGONIAS UNDULATUS. MATERIAL IN SECTION 2 WAS MUDDIER AND SAMPLED MANY OF WHAT MAY BE SEDENTARY POLYCHAETE TUBES. IT WAS NOTED THAT A COMMENSAL OR PARASITIC CRAB (PINNOTHERES OR RELATED GENERA) WAS FOUND LIVING IN MANY OF THESE WORM-TUBES. SECT. 2 ALSO SAMPLED M. UNDULATUS, MANY OF WHICH WERE FLOATING DEAD IN THE HOPPER, L. POLYPHEMUS, CALLINECTES SAPIDUS, & BUSYCON CARICA. SECT. 3 MATERIAL WAS MORE SILTY THAN EITHER OF THE PREVIOUS SECTION, AND CERTAINLY MORE ODIFEROUS AND DARK IN COLOR. A GREATER DIVERSITY OF SPP. WAS SAMPLED HERE INCLUDING ALL SPP. PREVIOUSLY SAMPLED AS WELL AS A BOTHIDAE FAMILY FLOUNDER, TRINECTES MACULATUS, GYMNACHIRUS MELAS, VARIOUS ERRANT POLYCHAETES, BUSYCON CANALICULATUM, LEIOSTOMUS XANTHURUS, SQUILLA EMPUSA, THE BLOOD ARK A. OVALIS, AND MANY SHELL FRAGMENTS. DEBRIS SMPLD: ROCKS, WOOD, TACKLE, ALUM. CANS, LINE, CHAIN, STEEL DEBRIS, RUBBER, REFUSE, CABLE, CRAB TRAP, LOG, AND A VARIETY OF PLASTICS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. TRUNCATUS	2	5	3 ANIMALS IN YORK R. CHANN. BUOY 13; 2 ON DUMP RUN
"	1	2	N. OF CHANNEL (ON DUMP RUN)
"	1	1	OUTSIDE CHANNEL #8 BUOY
"	1	2-3	IN CHANNEL BT #6 & #8 BUOYS
"	1	2-3	IN CHANNEL BT #6 & 8 BUOYS.

Observers On Duty: C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 09/07/98 Loads: 90 - 96

Area(s) Worked: 220+00 → 160+00 100+00 → 10+00

Weather Conditions: CLEAR, WIND SW FORCE 2-5

Range of H_2O Temperature: Surface 26.5 - 27.0 °C Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): DREDGING AS USUAL. SAMPLED WOOD, CHAIN, ROCKS, TACKLE, LINE, LARGE PIPE, NETS, CRAB TRAP, PLASTIC TRASH, STEEL. BIOLOGICAL SPECIMENS SAMPLED INCLUDED LIMULUS POLYPHEMUS, BUSYCON CARICA, CALLINECTES SAPIDUS 1 BOTHIDAE FLOUNDER P. DENTATUS, BUSYCON CANALICULATUM, TUBE-WORMS & VARIOUS ERRANT POLYCHAETES. LOAD 96 WAS DREDGED IN AREA 100+00 → 10+00, MATERIAL V. FINE SILT, MUD, CLAY W/ ROCKS, SHELLS. IN ADDITION TO ABOVE, SQUILLA EMPUSA, ANADARA OVALIS & TRINECTES MACULATUS WERE SAMPLED.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO OBSERVATIONS.			

Observer(s) On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 09/08/98 Loads: 97 - 103

Area(s) Worked: 100+00 → 10+00

Weather Conditions: OVC, RAIN, WIND SW → NW TO FORCE 6

Range of H_2O Temperature: Surface 26.0 °C Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): DREDGING AS USUAL, LOADS OF SILT, MUD, CLAY WITH ROCKS & SHELL FRAGMTS. DEBRIS SAMPLED: COPIOUS ROCKS, CLAYBALLS & MUD, PIPE, SHACKLE, STEEL. BIOLOGICAL SPECIMENS SAMPLED: MANY LIMULUS POLYPHEMUS, BUSYCON CARICA, MICROPOGONIAS UNDULATUS, RAJA EGLANTERIA, SYMPHURUS PUSILLUS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO OBSERVATIONS			

Observer(s) On Duty: C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER INLET.

DAILY REPORT

Date: 09/09/98 Loads: 106-110

Area(s) Worked: 100+00 → 10+00

Weather Conditions: CLEAR, WIND NW FORCE 5-6

Range of H_2O Temperature: Surface 24.5 - 26.0°C Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): DREDGING AS USUAL, LOADS OF SILT, MUD, & CLAY, SAMPLING MANY ROCKS, STEEL, RUBBER TIRE DEBRIS, ALUMINUM CANS. BIOLOGICAL SPECIMENS SAMPLED: PREDOMINANT SPP SAMPLED WAS LIMULUS POLYPHEMUS AND A NUMBER OF M. UNDULATUS & T. MACULATUS IN THE HOPPER AFTER EACH LOAD. ADDITIONAL SPECIES: BUSYCON CARICA POLINICES DUPLICATUS, MERCENARIA GENUS, & ANADARA OVALIS, L. XANTHURUS, VARIOUS POLYCHAETES, DOSINIA DISCUS, & RAJA EGLANTERIA.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO OBSERVATIONS			

Observer(s) On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 09/10/98 Loads: 113 - 117

Area(s) Worked: 100+00 → 10+00

Weather Conditions: CLEAR, WIND NW FORCE 3-5

Range of H_2O Temperature: Surface 24.5°C (CONSTANT) Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): DREDGING AS USUAL. MATERIAL DREDGED IS MUD & CLAY. BIOLOGICAL SPECIMENS SAMPLED: LIMULUS POLYPHEMUS, MICROPOGONIAS UNDULATUS, RAJA EGLANTERIA, TRINECTES MACULATUS, WITH THE SNAILS BUSYCON CARICA & BUSYCON CANALICULATUM. M. UNDULATUS & T. MACULATUS DEAD IN HOPPER AFTER EACH LOAD.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. TRUNCATUS	1	10-14	IN CHANNEL @ BUOY #3

Observer(s) On Duty: C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 09/11/99 Loads: 119 - 124

Area(s) Worked: 100+00 → 30+00

Weather Conditions: CLEAR, WIND NW → N FORCE 2-3

Range of H_2O Temperature: Surface 24.0 - 25.0 Below Mid-Depth —

Condition of all screening apparatus: ALL IN APPARENT GOOD ORDER -

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): DREDGING AS USUAL, SAMPLING NUMEROUS ROCKS & CLAYBALLS. SAMPLES CONSISTED OF LIMULUS POLYPHEMUS, CALLINECTES SAPIDUS, BUSYCON CARICA, MICROPOGONIAS UNDULATUS, TRINECTES MACULATUS, A. OVALIS, BUSYCON CANALICULATUM, LEIOSTOMUS XANTHURUS, & OTHER BIVALVES. TRASH DEBRIS: STEEL, RUBBER, TIRES. A COLD FRONT PASSING THROUGH THE AREA IS BRINGING H_2O TEMPS DOWN A BIT.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO OBSERVATIONS			

Observer(s) On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 09/12/98 Loads: 127 - 131

Area(s) Worked: 30+00 → 10+00

Weather Conditions: CLEAR, WIND SW FORCE 2-3

Range of H_2O Temperature: Surface 24.0 - 24.5°C Below Mid-Depth 23.5°C (2020)

Condition of all screening apparatus: ALL IN APPARENT GOOD ORDER

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): CONTINUING TO DREDGE LOADS OF SILT, MUD, CLAYBALLS & ROCKS. BIOLOGICAL SPECIMENS SAMPLED ARE THE USUAL L. POLYPHEMUS, M. UNDULATUS, B. CARICA, T. MACULATUS, POLINICES DUPLICATUS (S. MOON SNAIL), C. SAPIDUS; AND VARIOUS OTHER BIVALVES & SHELLED GASTROPODS. VERY LITTLE IN THE WAY OF TRASH WAS SAMPLED BUT SOME STEEL DEBRIS WAS SEEN. DURING A RARE STANDBY OCCURRANCE A 10 METER DEPTH TEMP WAS TAKEN AT 2020: 23.5°C. SFC TEMP AT THIS TIME WAS 24.5°C.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO OBSERVATIONS			

Observer(s) On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 09 / 13 / 98 Loads: 134 - 138

Area(s) Worked: 100+00 → 30+00

Weather Conditions: CLEAR, HAZE, WIND VARIABLE FORCE 2-3

Range of H_2O Temperature: Surface 24.0 - 25.0 °C Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): CONTINUE DREDGING DARK SILT, CLAY. VARIOUS SHELLS SAMPLED & C. SAPIDUS L. POLYPHEMUS, T. MACULATUS, B. CARICA, B. CANALICULATUM, PARALICHTHYS DENTATUS (SUMMER FLNDR), MERCENARIA GENUS (QUAHOG).

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO OBSERVATIONS			

Observer(s) On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

WEEKLY SUMMARY

Dates: 09/07/98 - 09/13/98 Loads: 90 - 138

Range of H_2O Temperature: Surface 24.0-27.0°C Below Mid-Depth 23.5°C

Area(s) Worked: 220+00 → 160+00 ; 100+00 → 10+00

Are there incidents involving endangered or protected species? Yes____ No X

Comments: SECTION 100+00 → 10+00 WAS DREDGED FROM LOAD 96 ONWARD, WITH SAMPLES BEING VIRTUALLY THE SAME IN BOTH SECTIONS EXCEPT THAT LESS TRASH AND ALMOST NO WORMS OR POLYCHAETES SAMPLED IN THE LATTER SECTION (SEE ABOVE, "AREAS WORKED"). LATTER SECTION MATERIAL WAS STILL DARK SILT, BUT NOT AS ODIFEROUS, WITH MUCH MORE CLAY & CLAYBALLS (GREY) SAMPLED. BIOLOGICAL SPECIMENS SAMPLED THIS WEEK: LIMULUS POLYPHEMUS (MOST ABUNDANT), BUSYCON CARICA, BUSYCON CANALICULATUM, CALLINECTES SAPIDUS, P. DENTATUS, TUBE-WORMS, VARIOUS ERRANT POLYCHAETES, SQUILLA EMPUSA, ANADARA OVALIS, TRINECTES MACULATUS, MICROPOGONIAS UNDULATUS, RAJA EGLANTERIA, SYMPHURUS PUSILLUS, POLINICES DUPLICATUS, LEIOSTOMUS XANTHURUS, DOSINIA DISCUS, MERCENARIA GENUS & OTHER BIVALVES. A NUMBER OF M. UNDULATUS, T. MACULATUS, & L. XANTHURUS NOTED FLOATING IN HOPPER AFTER EACH LOAD. A COLD FRONT EARLY IN THE WEEK PUSHED H_2O TEMPS DOWN TO AS LOW AS 24.0°C. ONE 10 METER DEPTH TEMP WAS TAKEN @ 2020 ON 09-12 DURING A BRIEF STANDBY PERIOD: 23.5°C AT THIS SAME TIME, SFC. TEMP WAS 24.5°C.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. TRUNCATUS	1	10-14	IN CHANNEL @ #3 BUOY

Observers On Duty: C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 09/14/98 Loads: 141-146

Area(s) Worked: 100+00 → 30+00 ; 100+00 → 160+00

Weather Conditions: HAZY, WIND SE FORCE 3

Range of H_2O Temperature: Surface 24.0 - 25.0°C Below Mid-Depth —

Condition of all screening apparatus: ALL IN APPARENT GOOD ORDER.

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): SECTION 100 → 30 SAMPLED ROCKS, CLAYBALLS, LINE, TACKLE; BIOLOGICS INCLUDED WERE L. POLYPHEMUS, B. CARICA, B. CANALICULATUM, C. SAPIDUS, T. MACULATUS, L. XANTHURUS, P. DENTATUS. NUMBER 144 WAS THE FIRST SAMPLED LOAD OF NEW SECTION, 100 → 160, AND SAMPLED ROCKS, TACKLE, STEEL DEBRIS; BIOLOGICAL SAMPLES: B. CARICA, P. DENTATUS. DREDGED MATERIAL IN THE NEW SECTION IS DARK SILT HAVING A REMARKABLY PUTRID ODOR, WITH LITTLE CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. truncatus	2	12-16	ASSOC. W/ A POGIE FISHING VESSEL (SEINER)

Observer(s) On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 09/15/98 Loads: 148

Area(s) Worked: 100+00 → 30+00

Weather Conditions: CLEAR, WIND SE FORCE 3

Range of H_2O Temperature: Surface 25.0 °C Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): AT 0820 THE PADRE ISLAND WAS ALONGSIDE THE MOBIL FUEL DOCK IN NORFOLK. THE DREDGE WAS UNDERWAY TO THE CUT AT ~1700 AND RESUMED WORK AT 2020, CLEANING UP AREA 100 → 30. MATERIAL IN THIS CUT IS GREY CLAY & SILT, WITH MANY ROCKS. SPP. SAMPLED: B. CARICA, B. CANALICULATUM, L. POLYPHEMUS, BIVALVES.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO OBSERVATIONS			

Observer(s) On Duty: C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 09/16/98 Loads: 150 - 155

Area(s) Worked: 100+00 → 160+00

Weather Conditions: CLEAR, WIND SE FORCE 2-3

Range of H_2O Temperature: Surface 25.0-25.5°C Below Mid-Depth -

Condition of all screening apparatus: ALL IN APPARENT GOOD ORDER

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): DREDGING IN AREA 100 → 160, MATERIAL IS SILT, MUD, CLAY. SAMPLES CONSISTED OF CLAY, MUD, ROCKS, RAGS, REBAR, WOOD; BIOLOGICAL SPP. INCLUDED P. DENTATUS, B. CARICA, B. CANALICULATUM, L. POLYPHEMUS, A. OVALIS, P. DUPLICATUS, T. MACULATUS & OTHER BIVALVIA.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. truncatus	1	~10	IN CHANNEL, BUOY #3

Observer(s) On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 09/17/98 Loads: 156 - 161

Area(s) Worked: 100+00 → 160+00

Weather Conditions: HAZY, WIND S → SE FORCE 2-3

Range of H_2O Temperature: Surface 25.0 — 25.5°C Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER.

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): DREDGING AS USUAL. MATERIAL IS MUD, SILT, CLAY, WITH CLAY & ROCKS BEING RETAINED IN THE DISCHARGE BOXES. ADDITIONAL SAMPLES INCLUDED WOOD, PLASTIC TRASH, STEEL, LINE, LOG. BIOLOGICS WERE: L. POLYPHEMUS, B. CARICA, B. CANALICULATUM, M. UNDULATUS, C. SAPIDUS, AND OTHER FRAGMENTED GASTROPOD & BIVALVE SHELLS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO OBSERVATIONS.			

Observer(s) On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 09/18/98 Loads: 162 - 168

Area(s) Worked: 100+00 → 160+00

Weather Conditions: OVERCAST, WINDS NE → SE FORCE 3

Range of H_2O Temperature: Surface 25.0 → 26.0 °C Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER.

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): DREDGING AS USUAL. SAMPLES CONTINUE TO CONSIST OF CLAY, ROCKS, SOME TRASH, WOOD, L. POLYPHEMUS THE MOST PREDOMINANT SPECIES, A FEW B. CARICA & B. CANALICULATUM, WITH TINY FRAGMENTS OF SMALL GASTROPODS & BIVALVES INTERMIXED WITH THE CLAY. WARM AIR TEMPS CONTINUE TO RAISE THE SURFACE WATER TEMP WHICH TODAY TOUCHED THE 26° MARK.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO OBSERVATIONS			

Observer(s) On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 09/19/98 Loads: 169-174

Area(s) Worked: 100+00 → 160+00

Weather Conditions: CLOUDY, WIND SE FORCE 3-4

Range of H_2O Temperature: Surface 25.0°C CONSTANT Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): DREDGING AS USUAL. MATERIAL IS CLAY, SILT, MUD. ROCKS, STEEL MACHINE PARTS, LINE, TACKLE, PLASTIC TRASH, STEEL PIPES, RUBBER HOSE, WOODY DEBRIS SAMPLED. THE BIOLOGICAL SPECIMENS SAMPLED TODAY INCLUDED L. POLYPHEMUS, T. MACULATUM, B. CARICA, B. CANALICULATUM, NUMEROUS OTHER SMALL, SHELLED GASTROPODS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO OBSERVATIONS.			

Observer(s) On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 09/20/98 Loads: 175 - 182

Area(s) Worked: 100+00 → 160+00

Weather Conditions: HAZY, WIND SE → NNE FORCE 3

Range of H_2O Temperature: Surface 25.0 - 26.0 °C Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): DREDGING AS USUAL. SAMPLES CONSISTED OF ROCKS, CLAY, STEEL MACHINE PARTS, MUD, RUBBER TRASH, TOOLS (STEEL). BIOLOGICAL SPECIMENS: L. POLYPHEMUS, B. CARICA, B. CANALICULATUM, P. DUPLICATUS, DOSINIA DISCUS, PLACOPECTEN MAGELLANICUS (DEEP SEA SCALLOP), CREPIDULA FORNICATA*, C. SAPIDUS, NUMEROUS SMALLER SNAIL & BIVALVE SHELLS (MUSSEL, OYSTER, AND AUGER SNAILS), SOME ASSORTED COCKLE SPP.

* COMMON SLIPPER SHELL.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO OBSERVATIONS			

Observer(s) On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE.

WEEKLY SUMMARY

Dates: 09/14/98 - 09/20/98 Loads: 141-182

Range of H_2O Temperature: Surface 24.0-26.0 °C Below Mid-Depth ~

Area(s) Worked: 100+00 → 160+00 ; 100+00 → 30+00

Are there incidents involving endangered or protected species? Yes____ No X

Comments: ON 09-15 THE DREDGE WAS ALONGSIDE THE MOBIL FUEL DOCK IN NORFOLK, WORK RESUMED @ 2020 ON 9-15 (A/S DOCK 0820-1700) OTHERWISE DREDGING AS USUAL, LOADS OF DARK SILT, GREY CLAY, & MUD. A VARIETY OF BIOLOGICAL SPECIMENS WERE SAMPLED: L. POLYPHEMUS, L. XANTHURUS, P. DENTATUS, B. CARICA, B. CANALICULATUM, A. OVALIS, P. DUPLICATUS, T. MACULATUS, M. UNDULATUS, C. SAPIDUS, DOSINIA DISCUS (DISK SHELL), PLACOPECTEN MAGELLANICUS (DEEP SEA SCALLOP), CREPIDULA FORNICATA (COMMON SLIPPER SHELL), SEVERAL ASSORTED COCKLE SPP., NUMEROUS SMALLER GASTROPOD & BIVALVE SHELLS (MUSSEL, OYSTER, & AUGER SNAILS TO NAME A FEW), AND FRAGMENTS THEREOF. TRASH CONSISTED OF: ROCKS, CLAYBALLS, STEEL MACHINE PARTS, RUBBER DEBRIS, STEEL TOOLS, LINE, TACKLE, PLASTICS, LOGS, WOODY DEBRIS, RAGS, REBAR. HOT AMBIENT AIR TEMPS ARE KEEPING THE SURFACE H_2O TEMPS HIGH INSIDE THE BAY. ALL SCREENING APPARATUS AND RELATED EQUIPMENT IS IN EXCELLENT CONDITION.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. truncatus	2	12-16	ASSOC. W/ A FISHING (SEINE) VESSEL, PROBABLY FEEDING.
T. truncatus	1	~10	IN CHANNEL @ BUOY #3

Observers On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 09/21/98 Loads: 183 - 189

Area(s) Worked: 100+00 → 160+00

Weather Conditions: HAZY, WIND S FORCE 2-3

Range of H_2O Temperature: Surface 25 - 26.5°C Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER.

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): DREDGING AS USUAL. MATERIAL DARK SILT, CLAY. SAMPLING ROCKS, CLAY, STEEL, WOOD, TRASH. BIOLOGICAL SPECIMENS: L. POLYPHEMUS, B. CARICA, A. OVALIS, SHELL FRAGMENTS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. truncatus	1	12-15	FEEDING ON A SCHOOL OF FISH NEAR SURFACE, NEAR #4 BUOY. SOME JUVENILES PRESENT.

Observer(s) On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 09/22/98 Loads: 190-195

Area(s) Worked: 160+00 → 60+00

Weather Conditions: HAZY, OVERCAST, WIND S FORCE 2-3 → N FORCE 5

Range of H_2O Temperature: Surface 25.0°C CONSTANT Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): DREDGING NEW SECTION, MATERIAL CONSISTS OF DARK ODIFEROUS SILT, CLAY. CONTINUING TO SAMPLE ROCKS, AND MORE CLAY THAN PREVIOUS SECTION. DEBRIS NOTED: LOG, WOODY DEBRIS, MUD, STEEL, STEEL MACHINE PARTS, HOSE, L. POLYPHEMUS, B. CARICA, B. CANALICULATUM, VARIOUS BIVALVE & GASTROPOD SHELLS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO OBSERVATIONS			

Observer(s) On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 09/23/98 Loads: 196 - 200

Area(s) Worked: 160+00 → 60+00

Weather Conditions: CLEAR, WIND N FORCE 5-6

Range of H_2O Temperature: Surface 25.0°C CONST. Below Mid-Depth —

Condition of all screening apparatus: ALL IN APPARENT GOOD ORDER

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): CONTINUING TO DREDGE CLEAN-UP. SAMPLING THE USUAL ROCKS, CLAYBALLS, AS WELL AS STEEL DEBRIS & RAGS. CRITTERS NOTED TODAY: L. POLYPHEMUS, B. CARICA, M. UNDULATUS, A. OVALIS, B. CANALICULATUM, M. MERCENARIA, T. MACULATUS, OTHER SHELLS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO OBSERVATIONS			

Observer(s) On Duty: C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 09/24/98 Loads: 202 – 206

Area(s) Worked: 160+00 → 60+00

Weather Conditions: CLEAR, WIND E FORCE 3

Range of H_2O Temperature: Surface 23.5 - 24.0 °C Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): DREDGING AS USUAL. SAMPLING CLAY, ROCKS, MUD, STEEL, LINE, TACKLE. A FEW BIOLOGICAL SPECIMENS, L. POLYPHEMUS, A. OVALIS, B. CARICA, D. DISCUS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. TRUNCATUS	1	3	@ DUMP
" "	1	6	ON RETURN TO CUT.

Observer(s) On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 09/25/98 Loads: 209 - 217

Area(s) Worked: 160+00 → 210+00

Weather Conditions: CLEAR, WIND SW → SE FORCE 3

Range of H_2O Temperature: Surface 24.0 - 24.5 °C Below Mid-Depth —

Condition of all screening apparatus: ALL IN APPARENT GOOD ORDER

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): DREDGING NEW SECTION. MATERIAL IS DARK SMELLY SILT AND MUD. AS THE AREA HAD YET TO BE DREDGED, MUCH DEBRIS WAS SAMPLED: FISHING TACKLE, CABLE, ROCKS, STEEL MACHINERY, PIPES, WOOD, LINE, RUBBER, TIRE, COPPER DEBRIS, CHAIN. A VARIETY OF BIOLOGICAL SPECIMENS ALSO SMPLD: L. POLYPHEMUS, M. MERCENARIA, A. OVALIS, M. UNDULATUS, S. EMPUSA, PLACOPECTEN MAGELLICANUS (DEEP SEA SCALLOP), B. CARICA, B. CANALICULATUM, POLYCHAETE WORMS, VARIOUS OTHER SHELLS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. TRUNCATUS	1	8-10	IN CHANNEL #6 BUOY.

Observer(s) On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 09/26/98 Loads: 218 - 223

Area(s) Worked: 160+00 → 214+00 ; 103+00 → 30+00 (CLEAN-UP) .

Weather Conditions: CLEAR → HAZY, WIND S'LY FORCE 2-3

Range of H_2O Temperature: Surface 24-25°C Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): SECTION 160 → 214 YIELDED DARK SILT, MUD, CONTINUED TO SAMPLE LOTS OF STEEL MACHINERY, PIPES, RUBBER DEBRIS. RETURNED TO SECT 103 → 30 WHERE MORE CLAY IS SAMPLED, ALONG WITH ROCKS. A FEW B. CARICA, L. POLYPHEMUS SAMPLED HERE.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO OBSERVATIONS			

Observer(s) On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 09/27/98 Loads: 224 - 228

Area(s) Worked: 103+00 → 30+00

Weather Conditions: HAZY, WIND S → SW FORCE 3

Range of H_2O Temperature: Surface 24.5 °C (CONST.) Below Mid-Depth —

Condition of all screening apparatus: ALL IN APPARENT GOOD ORDER

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): CONTINUING TO DREDGE CLEAN-UP IN THIS AREA, MATERIAL BEING SILT, CLAY. SAMPLED MANY ROCKS, WOOD, RAGS, STEEL, PLASTIC TRASH. BIOLOGICAL SPECIMENS SAMPLED: P. DENTATUS, B. CARICA, L. POLYPHEMUS, P. DUPLICATUS, A. OVALIS, C. VIRGINICA, 1 UNIDENTIFIED BOTHIDAE FAM. FLOUNDER. A NUMBER OF M. UNDULATUS IN HOPPER (DEAD).

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO OBSERVATIONS.			

Observer(s) On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE.

WEEKLY SUMMARY

Dates: 09/21/98 - 09/27/98 Loads: 183 - 228

Range of H_2O Temperature: Surface 23.5 - 26.5°C Below Mid-Depth N/A

Area(s) Worked: 160+00 → 60+00 ; 160+00 → 214+00 ; 103+00 → 30+00

Are there incidents involving endangered or protected species? Yes____ No X

Comments: DREDGING SEVERAL AREAS THIS WEEK; THE MATERIAL IN STATIONS 160 → 60 (WORKED 9-21 → 9-24) WAS SILT, MUD, AND LARGE AMOUNTS OF CLAY, WITH ROCKS, STEEL, LINE, TACKLE, RAGS, LOGS, WOOD, MACHINE PARTS, HOSE. L. POLYPHEMUS, A. OVALIS, B. CARICA, D. DISCUS, M. UNDULATUS, B. CANALICULATUM, M. MERCENARIA, T. MACULATUS, AND OTHER BIVALVE & GASTROPOD SHELLS WERE SAMPLED. SECTION 160 → 214 WAS NOT PREVIOUSLY DREDGED, YIELDED DARK, SMELLY SILT MATERIAL AND SAMPLED LOTS OF STEEL MACHINERY, STEEL & COPPER PIPES, RUBBER DEBRIS, FISHING TACKLE, CABLE, ROCKS, LINE, CHAIN, TIRE. BIOLOGICS: L. POLYPHEMUS, M. MERCENARIA, A. OVALIS, M. UNDULATUS, S. EMPUSA, PLACOPECTEN MAGELLICANUS, (DEEP SEA SCALLOP), B. CARICA, B. CANALICULATUM, POLYCHAETE WORMS, OTHER SHELLS. THIS AREA WORKED 9-25, 9-26. SECT. 103 → 30 WORKED 9-26 & 27, PRODUCED SILT, MUD, & CLAY, WITH LITTLE DEBRIS & A FEW L. POLYPHEMUS, B. CARICA, P. DENTATUS, P. DUPLICATUS, C. VIRGINICA (COMMON OYSTER) & A BOTHIDAE FAM. FLOUNDER. A NUMBER OF M. UNDULATUS IN HOPPER.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. TRUNCATUS	1	8-10	9-25 IN CHANNEL, #6 BUOY
" "	2	9	9-24 @ DUMP & ON RETURN TO CUT
" "	1	12-15	9-21 FEEDING ON A SCHOOL OF FISH NEAR SURFACE, NEAR #41 BUOY, SOME JUVENILES PRESENT.

Observers On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 09/28/98 Loads: 229-233

Area(s) Worked: 110+00 → 30+00

Weather Conditions: CLEAR, MOD. HAZE, WIND S'LY FORCE 3-4

Range of H_2O Temperature: Surface 24.5-25.0°C Below Mid-Depth —

Condition of all screening apparatus: ALL IN APPARENT GOOD ORDER.

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): CONTINUING TO SAMPLE ROCKS, CLAYBALLS, LITTLE TRASH DEBRIS. BIOLOGICS IDENTIFIED AS L. POLYPHEMUS, D. DISCUS, B. CARICA, P. DUPLICATUS, TAGELUS DIVISUS (PURPLISH TAGELUS), SOME M. UNDULATUS FLOATING DEAD IN HOPPER AFTER LOADS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO OBSERVATIONS			

Observer(s) On Duty: C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 09/29/98 Loads: 234-236

Area(s) Worked: 110+00 → 50+00 160+00 → 80+00

Weather Conditions: CLEAR, WIND NE - SE FORCE 2-5

Range of H_2O Temperature: Surface 24.0-25.0°C Below Mid-Depth —

Condition of all screening apparatus: ALL IN APPARENT GOOD ORDER

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): CONTINUING TO CLEAN UP 110 → 50, SAMPLING MANY ROCKS & CLAY, HOSE, LITTLE ELSE. SECT 160 → 80 SAMPLED A FEW ROCKS, RAGS, STEEL, NO CLAY RETAINED AS MATERIAL IS PREDOMINANTLY SILT. L. POLYPHEMUS, VARIOUS SMALL SHELLS SAMPLED, & SEVERAL M. UNDULATUS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO OBSERVATIONS			

Observer(s) On Duty: C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 09/30/98 Loads: 238 - 241

Area(s) Worked: 80+00 → 160+00

Weather Conditions: CLEAR, WIND N → S FORCE S → 2-3

Range of H_2O Temperature: Surface 24.0 - 25.5°C Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER.

Are there incidents involving endangered or protected species? Yes X No ____

Comments (type of material being dredged, biological specimens, etc.): DREDGING AS USUAL, SILT & CLAY MATERIAL. CONTINUING TO SAMPLE MANY ROCKS, CLAY, CLAYBALLS, SOME STEEL DEBRIS & WOOD. BIOLOGICAL SPECIMENS INCLUDED L. POLYPHEMUS, B. CARICA, A FEW BIVALVES, LITTLE ELSE. AFTER THE COMPLETION OF LOAD 240, A TURTLE TAKE WAS NOTED IN THE PORT DRAGHEAD, A FEMALE CARETTA CARETTA OF ESTIMATED CARAPACE DIMENSIONS (STRAIGHT LINE): 57CM L. X 51CM W. (CURVED): 67 L. X 58 W. PLASTRON DIMENSIONS: 43.5 CM L. 44.8 CM W. HEAD W: 11.5CM L. 13.7CM. A SECOND TAKE IN THE STBD FWD HOPPER DISCHARGE BOX WAS NOTED, ANOTHER ♀ CARETTA CARETTA, CARAPACE SL. ESTIMATED LENGTH 60.4CM W: 50CM (ESTIMATES DUE TO BAD SHELL DAMAGE). PLASTRON 46CM L. X 38CM W. HEAD: 12.4CM W X 14.5CM L.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO OBSERVATIONS -			

Observer(s) On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 10 / 01 / 98 Loads: 242 – 246

Area(s) Worked: 210+00 → 160+00

Weather Conditions: MOD. HAZE, WIND SW → N FORCE 4-6

Range of H_2O Temperature: Surface 24.0 – 25.0°C Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): DREDGING NEW SECTION. MATERIAL IS DARK SILT, LITTLE CLAY. MORE DEBRIS SAMPLED HERE: ROCKS, RAGS, LINE, WOOD, WIRE, TACKLE, STEEL. BIOLOGICAL SPECIMENS SAMPLED: L. POLYPHEMUS, RAJA EGLANTERIA (CLEARNOSE SKATE), SHELLS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
~~0~~			

Observer(s) On Duty: C-MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 10/02/98 Loads: 247 - 252

Area(s) Worked: 160+00 → 210+00

Weather Conditions: CLEAR, WIND N→E FORCE 6→2

Range of H_2O Temperature: Surface 24.0°C (CONST.) Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER.

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): DREDGING AS USUAL, SILT MATERIAL. MUCH TRASH SAMPLED, INCLUDING ROCKS, CHAIN, STEEL PIPES & TOOLS, FISHING TACKLE, LINE, WOOD, REBAR, PLASTIC TRASH BAGS, STEEL LEADER, HOSE, RUBBER, TIRE. BIOLOGICS: L. POLYPHEMUS, C. SAPIDUS, A. OVALIS, B. CARICA, P. DUPLICATUS, TUBE WORMS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NONE			

Observer(s) On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 10/03/98 Loads: 253 - 257

Area(s) Worked: 160+00 → 210+00 ; 210+00 → 263+00

Weather Conditions: CLEAR, WIND NW → SE FORCE 2

Range of H_2O Temperature: Surface 24°C (CONSTANT) Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER

Are there incidents involving endangered or protected species? Yes X No ____

Comments (type of material being dredged, biological specimens, etc.): DREDGING AS USUAL, SAMPLING L. POLYPHEMUS, C. SAPIDUS, B. CARICA, B. CANALICULATUM, AND A DIVERSITY OF OTHER BIVALVES. (SECT 160 → 210). A CARETTA CARETTA WAS TAKEN @ 0339 IN THE PORT DRAGHEAD ON LOAD 253 WHILE DREDGING SECTION 160 → 210. APPX. DIMENSIONS, CARAPACE STRAIGHT LINE 71.6CM LONG 63CM WIDE. PLASTRON 50.4CM L. X 43 CM W. HEAD 12CM W. X 15.6CM L. NO TAGGING PRESENT. THE DREDGE WAS LATER MOVED FARTHER INSIDE THE CHANNEL TO SECT. 210 → 263. MATERIAL IN THIS SECTION IS DARK SMELLY SILT, AND SAMPLED L. POLYPHEMUS, C. SAPIDUS, A. OVALIS, M. MERCENARIA, B. CARICA, B. CANALICULATUM, A FEW ROCKS, TACKLE, PLASTICS, WOOD, LINE, CABLE.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO OBSERVATIONS			

Observer(s) On Duty: C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 10 / 04/98 Loads: 260 - 269

Area(s) Worked: 210+00 → 263+00

Weather Conditions: PTLY CLOUDY → OVERCAST S'LY TO FORCE 4 → N'LY FORCE 4

Range of H_2O Temperature: Surface 23.0 → 24.0°C Below Mid-Depth —

Condition of all screening apparatus: ALL IN APPARENT GOOD ORDER

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): CONTINUING TO DREDGE LOADS OF THICK SMELLY MUD & DARK SILT. SAMPLING LIGHT BUT WITH A DIVERSITY OF DEBRIS: LINE, PLASTIC BAGS, STEEL, FILTERS, WOODY DEBRIS, CABLE, FISHING TACKLE, REBAR, RAGS, RUBBER, ROCKS. BIOLOGICS: L. POLYPHEMUS, B. CARICA, M. MERCENARIA, SEDENTARY POLYCHAETES, P. DENTATUS, A. OVALIS, MYTILUS EDULIS (BLUE MUSSEL). AFTER SEVERAL LOADS, SOME M. UNDULATUS & L. XANTHURUS FLOATING DEAD IN HOPPER.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO OBSERVATIONS			

Observer(s) On Duty: C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE.

WEEKLY SUMMARY

Dates: 09 / 28 / 98 - 10 / 04 / 98 Loads: 229 - 269

Range of H_2O Temperature: Surface 23.0 → 25.5°C Below Mid-Depth N/A

Area(s) Worked: 110+00 → 30+00 ; 80+00 → 160+00 ; 160+00 → 210+00 ; 210 → 263.

Are there incidents involving endangered or protected species? Yes X No ____

Comments: DREDGING IN SECT 110 → 30 WAS CLEAN-UP, SAMPLING CLAY, ROCKS, LITTLE TRASH, MATERIAL MOSTLY SILT. SECTION 80 → 160 YIELDED MUCH MORE CLAY, WITH ROCKS, & TRASH, MATERIAL IS SILT, CLAY. ON LOAD 240 (9:30) A CARETTA CARETTA WAS TAKEN IN THE PORT DRAGHEAD (S.L. LENGTH 57CM WIDTH: 51CM, EST. CURVED 67 X 58. PLASTRAL DIMENSIONS: 43.5CM L. X 44.8CM W.) A SECOND TAKE, ALSO ON LOAD 240, WAS A CARETTA CARETTA S.L. LENGTH 60.4CM X 50CM WIDE PLASTRON: 46CM L. X 38CM W. BOTH WERE FEMALES, MEASUREMENTS ESTIMATED DUE TO CARAPACIAL DAMAGE. THE FOLLOWING DAY, DREDGING NEW SECTION 210 → 160, MATERIAL OF DARK SMELLY SILT, LITTLE CLAY, SAMPLING MORE TRASH DEBRIS. ON 10-03, LOAD 253, A CARETTA CARETTA WAS TAKEN IN THE PORT DRAGHEAD. APPX. SL. LENGTH 71.6CM WIDTH 63CM. PLASTRON 50.4 CM L. X 43CM W. AFTER THIS INCIDENT, DREDGE WAS MOVED AGAIN, TO SECTION 210 → 263, PREVIOUSLY UNDREDGED. MATERIAL DARK SILT, SAMPLING WOOD, LINE, CABLE, ROCKS. NO TURTLE WAS TAGGED, ALL SCREENING & TEDS IN EXCELLENT CONDITION. SEX OF 10-03 TAKE WAS UNDETERMINED.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO OBSERVATIONS			

Observers On Duty: C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK R. ENTRANCE

WEEKLY SUMMARY

Dates: 09/28/98 - 10/04/98 Loads: 229-269

Range of H_2O Temperature: Surface _____ Below Mid-Depth _____

Area(s) Worked: _____

Are there incidents involving endangered or protected species? **Yes** X **No** ____

Comments: BIOLOGICAL SPECIMENS SAMPLED THIS WEEK INCLUDED: L. POLYPHEMUS, B. CARICA, B. CANALICULATUM, M. MERCENARIA, P. DENTATUS, A. OVALIS, MYTILUS EDULIS (BLUE MUSSEL), M. UNDULATUS, L. XANTHURUS (SOME OF THESE DEAD FLOATING IN HOPPER AFTER SOME LOADS), C. SAPIDUS, P. DUPLICATUS, RAJA EGLANTERIA (CLEARNOSE SKATE), D. DISCUS, TAGELUS DIVISUS (PURPLISH TAGELUS), AND SEDENTARY & ERRANT POLYCHAETES.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observers On Duty: C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 10/05/98 Loads: 270 - 278

Area(s) Worked: 210+00 → 263+00

Weather Conditions: OVERCAST, WIND NE → SOUTH FORCE 3-4

Range of H_2O Temperature: Surface 22.5°C (CONSTANT) Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER.

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): CONTINUING TO DREDGE AS USUAL. MATERIAL SILT. SAMPLING ROCKS, WOOD, MUD, STEEL, LINE, TACKLE, PLASTIC & RUBBER DEBRIS. BIOLOGICS: L. POLYPHEMUS, B. CANALICULATUM, B. CARICA, M. UNDULATUS, P. DUPLICATUS, OTHER BIVALVES, & SEDENTARY POLYCHAETES.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO OBSERVATIONS			

Observer(s) On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK R. ENTRANCE

DAILY REPORT

Date: 10 / 06 / 98 Loads: 279 - 286

Area(s) Worked: 210 + 00 → 263+00

Weather Conditions: OVC → CLEAR, WIND E'LY FORCE 4-5

Range of H_2O Temperature: Surface 22.5-23.5°C Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): CONTINUE TO CLEAN-UP THIS SECTION, SMPLNG ROCKS, LINE, FISHING TACKLE, CLOTH, RAGS, STEEL MACHINE PARTS, PLASTICS, TIRE, STEEL PIPES, VALVES, WOOD.
BIOLOGICAL SPP. SAMPLED: L POLYPHEMUS, C. VIRGINICA, BUSYCON GENUS, A. OVALIS, MERCENARIA GENUS, P. MAGELLICANUS, C. SAPIDUS, M. UNDULATUS, T. MACULATUS, SEDENTARY & ERRANT POLYCHAETES, ERRANT POSSIBLY BLOOD WORM (GLYCERA SPP.), L. XANTHURUS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NONE.			

Observer(s) On Duty: C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 10/07/98 Loads: 287 - 292

Area(s) Worked: 210 +00 → 263 +00

Weather Conditions: OVC, WIND E'LY FORCE 3-4

Range of H_2O Temperature: Surface 22.0-23.0°C Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER.

Are there incidents involving endangered or protected species? Yes X No ____

Comments (type of material being dredged, biological specimens, etc.): CONTINUING CLEAN-UP, SAMPLING ROCKS, LINE, TACKLE, WOOD, STEEL DEBRIS, RUBBER; BIOLOGICAL SPECIMENS: L. POLYPHEMUS, BUSYCON GEN. A. OVALIS, C. VIRGINICA. AT THE COMPLETION OF LOAD 289 @ 0815, A TURTLE TAKE WAS NOTED IN THE STARBOARD DRAGHEAD. THE ♀ CARETTA CARETTA HAD BEEN CAUGHT BY THE POSTERIOR END, SCOOPED UP BY THE DRAGHEAD "TEETH". THE SPECIMEN WAS REMOVED AND PLACED ON A WET TOWEL (SO AS NOT TO EXACERBATE PLASTRAL DAMAGE) IN THE SHADE, COVERED W/ WET TOWEL & PERIODICALLY HOSED DOWN TO AVOID DRYING. IN THE MEANTIME INJURIES WERE ASSESSED & TRANSPORTATION COORDINATED. WITHIN SEVERAL HRS. THE SPECIMEN WAS DELIVERED TO THE WILLIAM & MARY VA MARINE SCIENCE INSTITUTE FOR REHABILITATION. MEASUREMTS: SL. LENGTH: 65 WIDTH: 50 CURVE L.: 68.5 W: 66.7. (IN CM)

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NONE.			

Observer(s) On Duty: C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK R. ENTRANCE

DAILY REPORT

Date: 10/08/98 Loads: 295-303

Area(s) Worked: 263+00 → 336+00

Weather Conditions: PTLY CLDY → OVC, RAIN, WIND SE → S FORCE 4 → 5

Range of H_2O Temperature: Surface 22.0°C (CONSTANT) Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): AFTER THE TURTLE TAKE YESTERDAY, THE DREDGE WAS MOVED TO THIS PREVIOUSLY UNDREDGED SECTION. MATERIAL IS DARK SILT, THICK, SMELLY MUD. SAMPLED LOTS OF LINE, FISHING TACKLE, ROCKS, STEEL MACHINERY, REBAR, PIPES, WOOD, RUBBER DEBRIS. BIOLOGICAL SAMPLES: L. POLYPHEMUS, M. UNDULATUS, R. EGLANTERIA, A. OVALIS, C. SAPIDUS, C. VIRGINICA, BUSYCON GENUS, OTHER BIVALVIA, GASTROPODA, & POLYCHAETA.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO SIGHTINGS.			

Observer(s) On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER INLET

DAILY REPORT

Date: 10 / 09 / 98 Loads: 304 - 310

Area(s) Worked: 263+00 → 336+00

Weather Conditions: OVERCAST, WIND S → NW FORCE 5 → 3

Range of H_2O Temperature: Surface 22.0 °C Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER.

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): CONTINUING TO DREDGE LOADS OF SILT & THICK MUD. SAMPLES CONSISTED OF PLASTICS, SHOE, REBAR, WOOD, STEEL MACHINERY, RUBBER, ROCKS, LINE, FISHING TACKLE, ALUMINUM CANS, TRASH. ALSO: L. POLYPHEMUS, R. EGLANTERIA, BIVALVES, GASTROPODS, POLYCHAETES.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NONE.			

Observer(s) On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 10/10/98 Loads: 311

Area(s) Worked: 263+00 → 336+00

Weather Conditions: OVC, WIND N FORCE 3

Range of H_2O Temperature: Surface 22.0 °C Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): ONE LOAD SAMPLED TODAY, INCLUDING TRASH, ROCKS, PLASTIC BAGS, STEEL, REBAR, PIPES. AT 0840 THE PADRE ISLAND WAS ALONGSIDE THE MOBIL FUEL DOCK IN NORFOLK. AT 1655 A/S MOON ENGINEERING FOR REPAIR. 2240 UNDERWAY FOR CUT. DREDGING RESUMED 0148 10-11.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
—			

Observer(s) On Duty: C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 10 / 11 / 98 Loads: 312 - 316

Area(s) Worked: 263 + 00 → 336 + 00

Weather Conditions: CLEAR, WIND NW FORCE 5→3

Range of H_2O Temperature: Surface 21.0°C (CONSTANT) Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER.

Are there incidents involving endangered or protected species? Yes X No ____

Comments (type of material being dredged, biological specimens, etc.): CONTINUING TO DREDGE LOADS OF DARK SMELLY SILT & THICK MUD. SAMPLES INCLUDED LINE, ROCKS, TACKLE, WOOD, TRASH, PLASTICS. BIOLOGICS: R. EGLANTERIA, L. POLYPHEMUS, BIVALVES, GASTROPODS. A CARETTA CARETTA WAS TAKEN DURING LOAD 315 IN THE STARBOARD FORWARD DISCHARGE BOX. ONLY FRAGMENTS OF THE CARAPACE REMAINED, BUT THE PLASTRON WAS PRESENT, ITS LENGTH 39.4CM, WIDTH 29.6CM. COOLER AMBIENT AIR TEMPS THIS WEEK ARE HELPING TO DECREASE H_2O TEMPS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO OBSERVATIONS			

Observer(s) On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

WEEKLY SUMMARY

Dates: 10/05/98 - 10/11/98 Loads: 270-316

Range of H_2O Temperature: Surface 21.0-23.5 °C Below Mid-Depth —

Area(s) Worked: 210+00 → 263+00 ; 263+00 → 336+00

Are there incidents involving endangered or protected species? Yes X No ____

Comments: THE WEEK BEGAN CLEANING UP SECT. 210 → 263. MATERIAL SILT; SAMPLING ROCKS, LINE, FISHING TACKLE, RAGS, STEEL MACHINERY, PLASTICS, TIRE, PIPES, WOOD. BIOLOGICAL SPECIMENS SAMPLED INCLUDED L. POLYPHEMUS, BUSYCON GENUS, M. UNDULATUS, P. DUPLICATUS, C. VIRGINICA, A. OVALIS, MERCENARIA GENUS, P. MAGELLICANUS, C. SAPIDUS, T. MACULATUS, L. XANTHURUS, SEDENTARY & ERRANT POLYCHAETES, ERRANT POSSIBLY BLOOD WORM (GLYCERA SPP.). A LIVE ♀ CARETTA CARETTA WAS TAKEN IN THE STBD DRAGHEAD ON 10-07. THE SPECIMEN SUSTAINED CRACKS IN CARAPACE & PLASTRON AND WAS TRANSPORTED TO THE VA MARINE SCIENCE INSTITUTE OF WILLIAM & MARY. CARAPACE MEASURED S.L: 65CM LONG 50 CM WIDE CURVED: 68.5CM LONG X 66.7CM WIDE. FOLLOWING THIS INCIDENT THE DREDGE WAS MOVED TO THE PREVIOUSLY UNDREDGED SECT 263 → 336. BIOLOGICAL SAMPLES HERE SAME AS ABOVE WITH THE ADDITION OF R. EGLANTERIA. ON 10-10 THE PADRE ISLAND WAS IN NORFOLK FOR FUEL & REPAIR. ON 10-11, A CARETTA CARETTA WAS TAKEN IN THE STBD FWD DISCHG BOX. ONLY FRAGMENTS OF THE CARAPACE REMAINED, BUT THE PLASTRON WAS PRESENT, ITS LENGTH 39.4 CM WIDTH 29.6 CM. NO TURTLE WAS TAGGED, ALL SCREENING & TEDS IN APPARENT GOOD ORDER.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NO SIGHTINGS.			

Observers On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 10 / 12 / 98 Loads: 319-324

Area(s) Worked: 263+00 → 336+00

Weather Conditions: CLEAR, WIND W → NE FORCE 2-3

Range of H_2O Temperature: Surface 21.0°C (CONST.) Below Mid-Depth 20.5 (1320)

Condition of all screening apparatus: ALL IN APPARENT GOOD ORDER

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): CONTINUING TO DREDGE LOADS OF SILT & MUD. THE DREDGE WAS STANDING BY 1050 → 1446 & 1715 → 1923 FOR REPAIR TO RAM. DEBRIS SAMPLED INCLUDED RUBBER, ROCKS, TACKLE, WIRE, LINE, FIREHOSE, PLASTIC TRASH, STEEL, WOOD. A FEW T. MACULATUS, L. POLYPHEMUS, M. UNDULATUS, AND POLYCHAETES SAMPLED, & ONE P. DENTATUS. DURING STANDBY PERIOD A BOTTOM H_2O TEMP WAS OBTAINED: 20.5°C AT 10M.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NONE			

Observer(s) On Duty: C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 10 / 13 / 98 Loads: 325 - 329

Area(s) Worked: 263+00 → 336+00 & 440+00 → 500+00

Weather Conditions: CLR → CLOUDY, WIND NE FORCE 3

Range of H_2O Temperature: Surface 20.5 - 21.5 °C Below Mid-Depth —

Condition of all screening apparatus: IN APPARENT GOOD ORDER.

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): DREDGING NEW SECTION (SEVERAL CUTS IN EACH SECTION ABOVE). MATERIAL IS SILT, SAMPLING ROCKS, LINE, TACKLE, PLASTICS, WOOD, CABLE, RUBBER, STEEL. A FEW L. POLYPHEMUS, WITH SOME M. UNDULATUS & T. MACULATUS IN HOPPER, & FEW SHELLS & POLYCHAETES.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: C. MASON

ENDANGERED SPECIES OBSERVER PROGRAM

PADRE ISLAND

YORK RIVER ENTRANCE

DAILY REPORT

Date: 10/14/98 Loads: 330

Area(s) Worked: 263+00 → 336+00 ; 500+00 → 440+00

Weather Conditions: CLEAR, WINDS FORCE 4

Range of H_2O Temperature: Surface 20.5 (0230) Below Mid-Depth

Condition of all screening apparatus: IN APPARENT GOOD ORDER.

Are there incidents involving endangered or protected species? Yes____ No X

Comments (type of material being dredged, biological specimens, etc.): SAMPLED A FEW ROCKS, LINE, TACKLE, STEEL. AT 0450, SECURED DREDGING OPS, UNDERWAY TO NORFOLK FOR LAY-UP. DODGE ISLAND TO REPLACE PADLE AT DREDGE SITE.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NONE			

Observer(s) On Duty: C. MASON.

ENDANGERED SPECIES OBSERVER PROGRAM

DODGE ISLAND / PADRE ISLAND

YORK RIVER ENTRANCE CHANNEL

WEEKLY SUMMARY

Dates: 10 / 12 / 98 - 10 / 18 / 98 Loads: 319-332; 334-5, 337; 339-40; 342-3; 346-7; 349-50

Range of H_2O Temperature: Surface 68-69°F Below Mid-Depth 68-69°F

Area(s) Worked: STATIONS 263+00 TO 336+00; 440-500; 160-246 AND 210+00 TO 246+00

Are there incidents involving endangered or protected species? Yes____ No X

Comments:

DREDGE MATERIAL SILT AND MUD WITH SOME CLAY. BIOLOGICAL SPECIMENS ARE NUMEROUS IN QUANTITY CONSISTING OF FLOUNDER, CROAKER, SMALL BAITFISH, HORSESHOE AND BLUE CRABS, STINGRAY + SKATES, ASSORTED SHELL, SEAGRASS + VEGETATION. ABIOTIC SAMPLES INCLUDE ROCK, WOOD, ROPE, METAL AND ASSORTED TRASH.

ON 10/14/98, THE DREDGE DODGE ISLAND REPLACED THE PADRE ISLAND WITH BRETT JOHNSON AS ENDANGERED SPECIES OBSERVER. THE PADRE ISLAND SECURED DREDGING OPERATIONS @ 0450 AND UNDERWAY TO NORFOLK / MOON ENGINEERING. THE DODGE ISLAND DEPARTED NORFOLK / MOON ENG. AT APPROX. 1030 HRS ON 10/14. THE DODGE ISLAND BEGAN DREDGING OPERATIONS ON 10/15 @ 1531 HRS. WITH LOAD # 331. OBSERVER WORKING 6 HOUR SHIFTS ALTERNATING 6 HOURS ON, 6 HOURS OFF FOR 12 HOURS A DAY OR 50% COVERAGE. OBSERVER WORKING 0600 - 1200 AND 1800 - 2400 HRS.

THERE WERE NO INCIDENTS INVOLVING ENDANGERED SPECIES NOR ANY SIGHTINGS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
NONE			

Observers On Duty: BRETT JOHNSON