ENDANGERD SPECIES OBSERVER PROGRAM

Dredge: RN WEEKS

Project: THIMBLE SHOAL

Date: 7/24/00

Load # 138 Times: Start 0645 End 0912 Dump 1055

Location(lat/long) SECTION 6 36°58'82N/76°08'43W Tide 1.6 EBBING

Weather RAIN, NE 10-20 KTS, 2-4' SEAS

H_2O Surf.Temp 77°F Time 0745 Below Mid-Depth 75°F Time 0750 C or (F) (circle one)

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

Port Draghead: HALF CLOGGED WITH LARGE BOULDERS Deflector: OK

Stbd Draghead: Ø Deflector: OK

Port Discharge, Fore: 3 PIECES OF SEATURTLE PLASTRON

Port Discharge, Aft: ROCKS, 2 HORSESHOE CRABS, WHELKS, OYSTERSHELLS

Stbd Discharge, Fore: 3 HORSESHOE CRABS, WHELKS, SNAILS, HERMIT CRABS OYSTER SHELLS

Stbd Discharge, Aft: 2 HORSESHOE CRABS, WHELKS, SNAILS, HERMIT CRABS, SOLE

Port Skimmer: Ø

Stbd Skimmer: Ø

Comments:

* 3 PIECES OF SEATURTLE PLASTRON FOUND @ 1185 HRS IN PORT FORWARD DISCHARGE SCREEN.

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: HEATHER PAIGE

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge: RN WEEKS

Project: THIMBLE SHOAL CHANNEL

Date: 7/24/00

Load # 139 Times: Start 1246 End 1450 Dump 1756

Location(lat/long) SEC. 6 Tide

Weather RAIN, NE 25-~~30~~ KTS, SEAS 5-7' SEAS

H_2O Surf.Temp_____ Time_____ Below Mid-Depth_____ Time_____ C or F (circle one)

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

Port Draghead: Ø Deflector: OK

Stbd Draghead: Deflector: OK

Port Discharge, Fore: 1 HS CRABS

Port Discharge, Aft: 2 " "

Stbd Discharge, Fore: 2 " "

Stbd Discharge, Aft: 3 " "

Port Skimmer:

Stbd Skimmer:

Comments: SKATE, HS CRABS, FLOUNDER

BLUE CRABS

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: RN Weeks

Project: Thimble Shoals Channel, VA

Date: 22 / Aug / 2000

Load # 190 Start 0130 End 0428 Dump 0618

Location (lat/long, stations) 36° 59' N 76° 09' W Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) mostly clear Beaufort 1

Water Temp., Surface 77°F Below Mid-Depth 75.5°F

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

Note biological samples:

Port Draghead Deflector

Stbd Draghead Deflector

Port Inflow, Fore Mid

Port Inflow, Aft 36 horse shoe crabs, blue crabs, spider crabs, clear nosed

Stbd Inflow, Fore skates, flounder, mullet, Mid frog chokers, whelks, arc,

Stbd Inflow, Aft oysters, dix clams, nemerteans, polychaetes, quahogs

Port Overflow, Primary Secondary

Stbd Overflow, Primary Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	610	0720 feeding in shallows @ Cape Henry light

Observer(s) on duty K. Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: R N WEEKS

Project: THIMBLE SHOALS CHANNEL, VA

Date: 22 / AUG / 2000

Load # 191 Start 0813 End 1047 Dump 1240

Location (lat/long, stations) 36°59' N 76°09' W Tide Stage 0.6 flood

Weather (wind dir, beaufort, sea state, temp, etc.) mostly clear 75°F Beaufort 1

Water Temp., Surface 77.5°F Below Mid-Depth 75.5°F

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

Note biological samples:

Port Draghead 1/2 Cc*

Deflector ok

Stbd Draghead

Deflector ok

Port Inflow, Fore

Port Inflow, Aft

Stbd Inflow, Fore

Stbd Inflow, Aft

Port Overflow, Primary

Stbd Overflow, Primary

Mid

Mid

Secondary

Secondary

channeled & knobbed whelks, arcs, oysters, slipper shells, disc clams, Quahogs, razor clams, nemerteans, polychaetes, 16 horse shoe crabs, blue crabs, spider crabs, flounder, hog chokers, sole, mullet

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

* 1/2 sub-adult Caretta caretta (head, ff & plastron/carapace) in port draghead. Chris Slay, Weeks Marine, NMFS & ACOE, and Capt. notified. Incident report faxed to Kirk Bigelow @ ACOE.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	4-8	0830 feeding o/s of channel

Observer(s) on duty K DAHLEN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: RN Weeks

Project: Thimble Shoals Channel, VA

Date: 22 / Aug / 2000

Load # 192 Start 1424 End 1710 Dump 1903

Location (lat/long, stations) 36°59' N 76°09'W Tide Stage 3' ebb

Weather (wind dir, beaufort, sea state, temp, etc.) Mostly sunny 1' seas NE 3-10

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

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

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore 16 horse shoe crabs, spider crabs, Mid blue crabs, channeled + knobbed whelks, blood arcs, razor clams, disc clams, oysters, oyster drills, slipper shells, Mid nemerteans, polychaetes, Summer flounder, dogfish shark

Port Inflow, Aft

Stbd Inflow, Fore

Stbd Inflow, Aft

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary old turtle hypoplastron bone - Secondary no tissue attached

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

somewhat degraded, spongy in places. This old ~~bone~~ sample/turtle mortality cannot be associated with this channel dredging contract.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	10-15	1730 fdg by bridge

Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: RN Weeks

Project: Thimble Shoals Channel, VA

Date: 23 / Aug / 2000

Load # 194 Start 0420 End 0805 Dump 0942

Location (lat/long, stations) 36°59'N 76°09'W Section 4 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) Cloudy 1-2' seas 1'SE ground swell

_____ Water Temp., Surface _____ Below Mid-Depth _____

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

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore Knobbed + channeled whelks, blood Mid arcs, disc clams, razor clams,

Port Inflow, Aft oysters, Quahogs, oyster drills, slipper shells, moon snails, polychaetes,

Stbd Inflow, Fore nemertians, sea cucumbers, spider Mid crabs, blue crabs,

Stbd Inflow, Aft 37 horse shoe crabs, flounder, black drum, hog choker,

Port Overflow, Primary sole, nubbery bryozoan, Secondary angel wings, spiny

Stbd Overflow, Primary butterfly ray Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Fwd STBD inflow - old carapace bone, does not appear to be from same turtle as load #192, due to size - this one appears to be from a smaller turtle, no tissue or odor, very black on surface 192 - larger, thicker, not as darkened, appears to be more recent than this one, but still an old specimen

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	4-8	0730 feeding in channel
TE	8-14	1000 feeding on return from dump

Observer(s) on duty Kirsten Dahle

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: RN Weeks

Project: Thimble Shoals Channel, VA

Date: 25 / Aug / 2000

Load # 201 Start 0512 End 0757 Dump 0953

Location (lat/long, stations) 36°59'N 76°09'W Section 3 Tide Stage flood → sl → ebb

Weather (wind dir, beaufort, sea state, temp, etc.) overcast/rain Beauf 1 Ltairs

Water Temp., Surface _____ Below Mid-Depth _____

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

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore 38 horse shoe crabs, blue crabs, Mid spider crabs, Knobbed

*Port Inflow, Aft whelks, channeled whelks, scallops, oysters, razor clams

Stbd Inflow, Fore Quahogs, disc clams, slippers, Mid oyster drills, polychaetes,

Stbd Inflow, Aft nemerteans, sea cucumbers, flounder, mullet, hog choker,

Port Overflow, Primary clear nose skate, Cc Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

* 9x7 inch section of Caretta caretta carapace in port aft inflow box

see incident report.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tt	4-6	1000 @ dump

Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: RN Weeks

Project: Thimble Shoals Channel

Date: 25 / Aug / 2000

Load # 202 Start 1151 End 1443 Dump 1646

Location (lat/long, stations) 36° 59' N 76° 09' W Tide Stage flood

Weather (wind dir, beaufort, sea state, temp, etc.) mostly cloudy

Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore horse shoe crabs, blue crabs, Mid spider crabs, channeled +

* Port Inflow, Aft knobbed whelks, scallops, oysters, blood arcs, disc clams, razor

Stbd Inflow, Fore clams, Quahogs, oyster drills, moon Mid snails, flounder, mullet,

Stbd Inflow, Aft bryozoans, nemerteans, polychaetes

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Port aft inflow - 24 in section of intestine w/ horseshoe crabs inside; 2 bones from "old" turtle kill

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tt	6 & 8	1600 feeding @ dump

Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: RN Weeks

Project: Thimble Shoals Channel, VA

Date: 27 / AUG / 2000

Load # 209 Start 1027 End 1322 Dump 1503

Location (lat/long, stations) 36°59'N 76°09' W Sect 3 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) mostly clear, lt airs, Beaufort 2

_____ Water Temp., Surface _____ Below Mid-Depth _____

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

Note biological samples:

Port Draghead – ~~Cc decomposed missing sect. of carapace~~ load 210 Deflector _____

~~see incident report~~

Stbd Draghead _____ Deflector _____

Port Inflow, Fore 12 horse shoe crabs, blue Mid crabs, spider crabs,

Port Inflow, Aft knobbed and channeled whelks, whelk egg cases,

Stbd Inflow, Fore blood arcs, Quahogs, Scallops, Mid rag or clams, angel wings,

Stbd Inflow, Aft moon snails, slippers, oyster drills, oysters,

Port Overflow, Primary polychaetes, nemerteans, Secondary rubbery bryozoans

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	6-10	1400 fdg by bridge
TL	15-20	1500 - in dump, acrobatic, some young

Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: RN Weeks

Project: Thimble Shoals Channel

Date: 27 / AUG / 2000

Load # 210 Start 1658 End 2004 Dump 2207

Location (lat/long, stations) 36°59' N 76°09' W Sect 3 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) Mostly cloudy Seas 2-3' Beaufort 3 rain Water Temp., Surface 78° F Below Mid-Depth 76° F

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

Note biological samples:

Port Draghead decomp. Cr missing Sect of carapace Deflector

Stbd Draghead Deflector

Port Inflow, Fore Mid

Port Inflow, Aft 5 horseshoe crabs, blue crabs, spider crabs, whelks,

Stbd Inflow, Fore blood arcs, scallops, oysters, Mid razor clams, slippers,

Stbd Inflow, Aft rubbery bryozoans,

Port Overflow, Primary Secondary

Stbd Overflow, Primary Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

11.5 X 6 inch 0800 0309 0405

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Pt	4-8	1650 fdg in channel

Observer(s) on duty Kirsten Dahlen