Dredge Stuyvesant
Egmont Channel /USACE,

Date: 3/3/97

Load # 01 Times: Start 1651 End 1845 Dump 2011
Location(lat/long) Stations 335+00 - 402+00 Tide 1.9
Weather Partly cloudy, winds SW 10 knots, seas 1-3'
H_2O Surf. Temp 72 Time 1730 Below Mid-Depth _____ Time _____ C or F (circle one)

Are there incidents involving endangered or protected species? Yes ____ No None detected

Port Draghead: Rock, rope, trash TED OK
Stbd Draghead: Not used working on TEDs
Lander Fore: Rock, Penshell, crooker, spider crabs
Lander Aft: Rock, Penshell,
Lander Mid Rock, Penshell, shell, spider crabs.
observer was able to clean the fore lander and ½ of the aft lander. Mid lander was only looked at. The load was double flushed.

Comments: Dredge arrives in Tampa at 0300 and goes to anchor

26' ↕ cage dimensions measured mid
Height high point 7'4"
Door 19"x19"
↔ 16'4"

only digging with Port arm

NO bow thurster used.

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
None			

Observer(s) On Duty: ERIC Westerman

Egmont ../USACE,

Date: 3 / 4 / 97

Load # 02 Times: Start 2253 End 0015 Dump 0135

Location(lat/long) Stations 335+00 to 402+00 Tide NA (no gauge get)

Weather Dense fog, seas 1-2', wind SW 10 kt

H_2O Surf Temp _____ Time _____ Below Mid-Depth _____ Time _____ C or F (circle one)

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

Port Draghead: Rock TED ok

Stbd Draghead: Not Used TED NA

Lander Fore: Ø

Lander Aft:

Lander Mid

Comments: Port side digging only; still working on TED

2 cuts, 2 turns 0000 off+over w/ Pt. down to idle speed

STBD on deck, unseated tuned up for thrusting. after thrusting STBD off

0020 Unseated Pt. off+ over on Pt. tuned all the way down

STBD on deck+ unseated

Thrusted normally Pt+ Stbd

Mounting of STBD TED completed this load

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Ø			None Observed

Observer(s) On Duty: E. Westerman, C. Ryder

Egmont Channel/USACE,

Date: 3/4/97

Load # 03 Times: Start 1120 End 1306 Dump 1358

Location(lat/long) Stations 335+00 - 402+00 Tide .45

Weather Hazy, winds light airs, seas calm

H_2O Surf.Temp 72 Time 1058 Below Mid-Depth _____ Time _____ C or F (circle one)

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

Port Draghead: Net TED OK

Stbd Draghead: Rope, trash, chain TED OK

Lander Fore: NA

Lander Aft: shell clay, Rock, whelks

Lander Mid NA

Comments: unseated using bow thruster 1102-1115 seated west end

Aft full of sand, clay, mud, rock, ect completely full

After flushing alot of sand and clay washed away.

Able to clean about ½ of the rock

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: ERIC Westerman / Ryder

Egmont Channel/USACE,

Date: 3 14 197

Load # 4 Times: Start 1740 End 1915 Dump 2048

Location(lat/long) Stations 400 to 465 to Tide NA

Weather Fog/hazy, seas and winds calm

H_2O Surf Temp _____ Time _____ Below Mid-Depth _____ Time _____ C or F (circle one)

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

Port Draghead: Cable act, cable TED OK

Stbd Draghead: Cable act, rope TED OK

Lander Fore: NA

Lander Aft: Starfish, flounder, skate cases, shrimp, rock, metal debris, whelks

Lander Mid Full load of rock, clay, sand - not cleared @ this time

Comments: Experimenting w/ dredging location - trying to locate clearance areas to dredge until new screening is installed

Station 465 turn @ 1800 w/ act bowthruster

No Thrusting

Observer on hopper combing throughout load to observe filling of mid screening and report to make an status of debris.

AFT screening only cleared a completion of load during transit time only

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder

Egmont Channel /USACE,

Date: 3 15 197

Load # 5 Times: Start 2242 End 0020 Dump 0059

Location(lat/long) Stations 400-465 Tide Gauge not working

Weather dense fog, seas and wind calm → Fog Clearing

H_2O Surf. Temp _____ Time _____ Below Mid-Depth _____ Time _____ C or F (circle one)

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

Port Draghead: Tires, Rope TED OK

Stbd Draghead: Tires Rope TED OK

Lander Fore: NA

Lander Aft: whelk, rock, clay, shell, old weathered

Lander Mid NA - Still full of Rock [illegible]

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: C. Ryder, E. Westerman

Egmont Channel /USACE,

Date: 3/5/97

Load # 06 Times: Start 0330 End 0425 Dump 0645

Location(lat/long) Stations 400+00-465+00 Tide NA

Weather Partly cloudy, wind; SE 10 knots, [illegible]

H_2O Surf.Temp 73 Time 0355 Below Mid-Depth _____ Time _____ C or (F) (circle one)

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

Port Draghead: cable, Rope Tip OK

Stbd Draghead: Cable Tip OK

Lander Fore: NA

Lander Aft: Rock, shell, clay

Lander Mid Rock shell clay, old [illegible] turtle [illegible]

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
[illegible]	[illegible]	[illegible]	

Observer(s) On Duty: Eric Westerman

Egmont Chimes/USACE,

Date: 3 15 197

Load # 07 Times: Start 0815 End 1015 Dump 1125

Location(lat/long) Stations 400+00 to 465+00 Tide NA

Weather hazy/clear skies, seas 1-2', wind SE 5-10 kt

H_2O Surf Temp 73° Time 0930 Below Mid-Depth NA Time _____ C or (F) (circle one)

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

Port Draghead: Cable, rope TED ok

Stbd Draghead: tire, rock, cable TED ok

Lander Fore: NA

Lander Aft: 1/2 cleaned. Sand dollars, whelks, starfish, hermit crabs, rock, clay, shell wood, trash

Lander Mid Full: not cleaned

Comments: No thrusting

Decision made to modify draghead rather than screening

Work on 2nd hatch for aft box started in transit from disposal area

Mid and Aft screening completely full - transit time used to clean half of Aft box

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			none observed

Observer(s) On Duty: C. Ryder

[illegible] /USACE,

Date: 3 15 197

Load # 08 Times: Start 1330 End 1501 Dump 1607

Location(lat/long) Stations 400+00 to 465+00 Tide NA

Weather Clear skies, seas 1', wind SE 5-10 kt

H_2O Surf. Temp _____ Time _____ Below Mid-Depth _____ Time _____ C or F (circle one)

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

Port Draghead: Tire rope TED ok

Stbd Draghead: rock TED ok

Lander Fore: NA

Lander Aft: Clay Rock sh[illegible] [illegible] Crab, old weathered shame-face crab, turtle bone

Lander Mid NA

Comments: No thrusting

cleaned aft basket all the way

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: C. Ryder / [illegible]

[illegible]/USACE,

Date: 315197

Load # 09 Times: Start 1712 End 1916 Dump 0826

Location(lat/long) Stations 400+00 465+00 Tide NA

Weather mostly clear, winds light airs, Seas Calm

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

Are there incidents involving endangered or protected species? Yes____ No None detected

Port Draghead: O TED OK

Stbd Draghead: Rock TED OK

Lander Fore: Rock, shell

Lander Aft: Rock, shell, clay, sand

Lander Mid NA

Comments: 2055 Bowthrust Less 1 minute man overboard drill, dumpsite Aft cage full of debris cleaned for a hour and half then At 2340 started with a second flush

Continued cleaning until 0130 (Aft box only)

Biological Samples included: shark, skate, sponges, whelks

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: ERIC Wetterman, C. Ryder

Egmont Channel/USACE,

Date: 3 / 6 / 97

Load # 10 Times: Start 0140 End 0345 Dump 0505

Location(lat/long) Stations 400+00 to 465+00 Tide N/A

Weather Clear, seas + winds calm

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

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

Port Draghead: rock, tires, rope TED ok

Stbd Draghead: rock TED ok

Lander Fore: Full, not cleaned

Lander Aft: rock, clay, shell, sand

Lander Mid Still filled with old debris 1/2 cleaned @ end of load

Comments: No thrusting

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Ø			

Observer(s) On Duty: C. Ryder

Eyman, Chap. /USACE,

Date: 3/6/97

Load # 11 Times: Start 0810 End 1010 Dump 1130

Location(lat/long) Stations 400+00 - 465+00 Tide Flood

Weather mostly cloudy winds light airs seas 1'

H_2O Surf Temp 74 Time 0840 Below Mid-Depth _____ Time _____ C or F (circle one)

Are there incidents involving endangered or protected species? Yes ____ No None detected

Port Draghead: Tire Tip ok

Stbd Draghead: Rope, Rock, tire Tip ok

Lander Fore: Full clay, Rock, shell

Lander Aft: cleaned all the way, shell/Rock sand, sea stars

Lander Mid NA still full of Rock, clay mud, shell, cleaned old turtle bone, skate

Comments: Fore lander not cleaned
mid cleaned almost all the way
aft cleaned all the way on
the way to the dump.

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
X			

Observer(s) On Duty: Eric Westerman

./USACE,

Date: 3/6/97

Load # 12 Times: Start 1252 End 1626 Dump 1740

Location(lat/long) Stations 400+00 - 465+00 Tide High - Ebb

Weather Partly cloudy, winds NW 10 Knots, Seas 1-2'

H_2O Surf Temp _____ Time _____ Below Mid-Depth _____ Time _____ C or F (circle one)

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

Port Draghead: rope, cable, rock, tire, tires TSD OK

Stbd Draghead: NA / Putting in new bars TSD NA

Lander Fore: Not Cleared

Lander Aft: Rock, clay, shell

Lander Mid Rock, Clay, shell, wood, trash, whelks, blue crabs, spider crabs, skate

Comments: Another 12x19" hatch welded on Pt side of mid screening

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: Eric Waterman, C. Ryder

../USACE,

Date: 3 16 97

Load # 13 Times: Start 1904 End 2130 Dump 2245

Location(lat/long) Stations 400+00 to 465+00 Tide NA

Weather partly cloudy, seas 1-2', winds NW 10-15 kt → 20 kt

H_2O Surf Temp 73° Time 2000 Below Mid-Depth NA Time _____ C or F (circle one)

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

Port Draghead: Tire, rock, cobb TED OK

Stbd Draghead: Welders working - not used TED NA

Lander Fore: NA

Lander Aft: Used this load: shell, clay, rock, starfish, spider crabs

Lander Mid Cleaned of old debris, rock, shell

Comments: Managing to keep one box clean to continue dredging without delay. Both Aft + mid boxes now have 2 cleaning intakes

No thrusting this load

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder

../USACE,

Date: 3/7/97

Load # 14 Times: Start 0000 End 0210 Dump 0320

Location(lat/long) Stations 400+00 - 465+00 Tide NA

Weather Partly cloudy, winds NE 15-25 knots, seas 4-6

H_2O Surf.Temp 73 Time 0152 Below Mid-Depth _____ Time _____ C or F (circle one)

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

Port Draghead: Tire, wood, pipe TBD

Stbd Draghead: NA welders working on bars

Lander Fore: NA - still full

Lander Aft: Rock, shell, clay, clearnose skate, speckled crab, old whale vertebra

Lander Mid Rock, shell, clay, shame face, spoon crab, whelk egg case

mid and aft all the way cleaned

Comments: BOW thruster unseated 133-139 465+00

Traffic reason

aft Port side hatch door weld broke.

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: ERIC Westerman

Date: 3/7/97

Load # 15 Times: Start 0555 End 0810 Dump 0925

Location(lat/long) Stations 400+00 - 465+00 Tide NA

Weather Partly cloudy, winds NE 15-20 knots seas 3-5'

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

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

Port Draghead: Rock, Cable, rope TED OK

Stbd Draghead: welding NA

Lander Fore: NA Partially cleaned skate, sea pork, whelks, egg cases sponges

Lander Aft: Clean - NA

Lander Mid Rock, shell, coral, clay

Comments: 0744-0747 unseated bow thruster 465+00

Bridge Watch Summary

pecies	# of Animals	Time	Location & Comments
0			

bserver(s) On Duty: [illegible] Westerman/Ryder

Segment: /USACE,

Date: 3 17 197

Load # 16 Times: Start 1100 End 1420 Dump 1530

Location(lat/long) Stations 400+00 to 465+00 Tide NA

Weather Skies clear seas 2-4', winds NE 10-15 kt

H_2O Surf Temp____ Time____ Below Mid-Depth____ Time____ C or F (circle one)

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

Port Draghead: Rock, cobble TED OK

Stbd Draghead: Welding

Lander Fore: NA

Lander Aft: Rock, shell, clay, sand

Lander Mid - NOT cleared Rock, shell, clay

Comments: not cleared all the way

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: [illegible]

[illegible] /USACE,

Date: 3/7/97

Load # 17 Times: Start 1635 End 1950 Dump 2100

Location(lat/long) Stations 400+00-465+00 Tide NA

Weather partly cloudy, winds NE 10 knots seas 1-3

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

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

Port Draghead: Tire TED OK

Stbd Draghead: welding

Lander Fore: Full of Rocks - shell

Lander Aft: Shell Rock trash

Lander Mid Trash, Rock, Shell, old [illegible]

cleaned aft and mid landers all the way

Comments: New light used

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Ø			

Observer(s) On Duty: ERIC Westerman

Date: 3/8/97

Load # 18 Times: Start 2215 End 0015 Dump 0130

Location(lat/long) Stations 400+00 - 465+00 Tide NT

Weather skies clear, winds E 10-15 knots, Seas 3-4'

H_2O Surf Temp 72 Time 2227 Below Mid-Depth _____ Time _____ C or F (circle one)

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

Port Draghead: Rocks, fine clay TED ok

Stbd Draghead: Working

Lander Fore: Full load of debris

Lander Aft: Clean NA

Lander Mid Rocks, shell

Comments: No thrusting

Bridge Watch Summary

pecies	# of Animals	Time	Location & Comments

bserver(s) On Duty: Westerman/Ridl

Date: 3 18 97

Load # 19 Times: Start 0310 End 0545 Dump 0700

Location(lat/long) Stations 400+00 to 465+00 Tide NA

Weather skies clear, seas 2-4', wind E 5-10kt

H_2O Surf Temp _____ Time _____ Below Mid-Depth _____ Time _____ C or F (circle one)

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

Port Draghead: rope, rock, tires TED ok

Stbd Draghead: Welding

Lander Fore: Full from previous loads / Cleaned 1/3

Lander Aft: NA

Lander Mid sponges, skates, blue crab, flounder, turtle (one Cold), rocks, clay, shell

All three screens used this load

Comments:

Bridge Watch Summary

pecies	# of Animals	Time	Location & Comments
0			

bserver(s) On Duty: C. Ryder / Westerman

Tampa Bay /USACE, Jacksonville Dist

Date: 3/8/97

Load # 20 Times: Start 0850 End 1100 Dump 1210

Location(lat/long) Stations 400+00-465+00 Tide NA

Weather Skies clear, winds E 10 knots, seas 2-3'

H_2O Surf Temp 72 Time 0930 Below Mid-Depth _____ Time _____ C or (F) (circle one)

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

Port Draghead: Rock, tire, Rope TED

Stbd Draghead: Welding

Lander Fore: NA Still full

Lander Aft: NA

Lander Mid Rock, shell trash

cleaned mid all the way
worked on fore basket

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
TT	2	1208	Dumpsite

Observer(s) On Duty: ERIC Westerman

Tampa Bay ../USACE, Jacksonville Dist

Date: 3/8/97

Load # 21 Times: Start 1320 End 1455 Dump 1555

Location(lat/long) Stations 335+00' 465+00 Tide L.T

Weather skies clear, winds ES 8 knots, seas calm

H_2O Surf Temp____ Time____ Below Mid-Depth____ Time____ C or F (circle one)

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

Port Draghead: Rock, shell TZO OK

Stbd Draghead: Rock, tire, cable, bucket TZO OK

Lander Fore: NA - Still loaded with debris - rock, clay, shell

Lander Aft: NA

Lander Mid Rock, shell sponges trash

Comments: Only half of the new bars were welded into the Port draghead.

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			None Observed

Observer(s) On Duty: ERIC Westerman/Ryder

Tampa Bay ../USACE, Jacksonville Dist

Date: 3 18 197

Load # 22 Times: Start 1710 End 1915 Dump 2025

Location(lat/long) Stations 900 TO 465 TO Tide Flood

Weather skies clear, seas calm, wind SE 5-10 kt

H_2O Surf Temp 73° Time 1810 Below Mid-Depth NA Time _____ C or (F) (circle one)

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

Port Draghead: rope TED ok

Stbd Draghead: tickling; not used

Lander Fore: Not used- rock, clay, whelks

Lander Aft: Rocks, whelks

Lander Mid Rocks, whelks

Comments: All 3 Screens cleaned during transit

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Fisher

Tampa Bay ../USACE, Jacksonville Dist

Date: 3 18 97

Load # 23 Times: Start 2130 End 2355 EST Dump 0115

Location(lat/long) Stations 400+00 & 465+00 Tide Flood

Weather skies clear, seas 1-2', wind SE 5-10 kt

H_2O Surf Temp _____ Time _____ Below Mid-Depth _____ Time _____ C or F (circle one)

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

Port Draghead: Repaired rock TED OK

Stbd Draghead: Back in use after welding, ROCK TED OK

Lander Fore: ROCK, clay, shell

Lander Aft: ROCK, shell

Lander Mid Rock shell

Scanned all three cages all the way.

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder / E. Westerman

Tampa Bay ../USACE, Jacksonville Dist

Date: 3/9/97

Load # 24 Times: Start 0230 End 0455 Dump 0505

Location(lat/long) Stations 400+00-465+00 Tide Ebb

Weather clear, winds E 12 knots, seas 2-3'

H_2O Surf Temp _____ Time _____ Below Mid-Depth _____ Time _____ C or F (circle one)

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

Port Draghead: Rock, rope TEN OK

Stbd Draghead: Rock, Trash TEN OK

Lander Fore: NA

Lander Aft: NA

Lander Mid Rock, shell, clay, smooth skate butterfly Ray

Comments: not able to clean all of mid cage, very full of debris 4 people cleaning to and from dump

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
∅			

Observer(s) On Duty: ERIC Westerman

Tampa Bay ../USACE, Jacksonville Dist

Date: 3/9/97

Load # 25 Times: Start 0720 End 0945 Dump 1100

Location(lat/long) Stations 400+00 - 465+00 Tide NA

Weather Partly cloudy, winds E 5-8 knots Seas 1

H_2O Surf Temp 72 Time 0735 Below Mid-Depth _____ Time _____ C or (F) (circle one)

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

Port Draghead: rock, tires, rope TED ok

Stbd Draghead: rock, rope, plastic debris TED ok

Lander Fore: Not Used

Lander Aft: Full load of rock, shell, clay NOT CLEANED

Lander Mid Rock, clay, whelks, sea perk, lady crabs, horseshoe crabs

Comments: Delay at dump for repairs

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			None Observed

Observer(s) On Duty: Workman/Ryder

Tampa Bay ../USACE, Jacksonville Dist

Date: 3 19 197

Load # 26 Times: Start 1320 End 1505 Dump 1610

Location(lat/long) Stations 400+00 & 465+00 Tide Flood→Ebb

Weather Clear skies, seas 1', wind E 5 kt

H_2O Surf Temp 73° Time 1400 Below Mid-Depth _____ Time _____ C or (F) (circle one)

Are there incidents involving endangered or protected species? Yes_____ No none detected

Port Draghead: tires, rope, rock TED small chain

Stbd Draghead: tires, rock, trash breaking

Lander Fore: NA

Lander Aft: Full Rock shelf - NVT cleared

Lander Mid Full Rock, shelf

cleared 4/5ths of mid cage

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Lt	3	1430	Outside Channel @ #11

Observer(s) On Duty: C. Ryder

Tampa Bay ../USACE, Jacksonville Dist

Date: 3/9/97

Load # 27 Times: Start 1235 End 2035 Dump 2140

Location(lat/long) Stations 400+00 - 465+00 Tide Ebb

Weather Partly cloudy, winds 5-10 knots, seas 2-3

H_2O Surf Temp _____ Time _____ Below Mid-Depth _____ Time _____ C or F (circle one)

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

Port Draghead: Cable Rock TED ok

Stbd Draghead: Rock Pipe TED ok

Lander Fore: ~~X~~

Lander Aft: Full, not cleaned

Lander Mid Rock, shell, clay, horseshoe crabble - with

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: Bill Westerman

Tampa Bay ../USACE, Jacksonville Dist

Date: 3/9/97

Load # 28 Times: Start 2255 End 0100 Dump 0200

Location(lat/long) Stations 400700 - 465700 Tide NA

Weather Partly cloudy, winds E 10-15 knots, seas 2-3

H_2O Surf Temp _____ Time _____ Below Mid-Depth _____ Time _____ C or F (circle one)

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

Port Draghead: Rock, rope, tire TED ok

Stbd Draghead: Rock, rope, tire TED ok

Lander Fore: NA

Lander Aft: Full load - Not cleaned

Lander Mid Rock, clay, shell, sand

Comments: Mid AA boxes completely full of debris
Delay time to clean mid box

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: Westerman / Ryder

Date: 3 10 97

Load # 29 Times: Start 0420 End 0655 Dump 0810

Location(lat/long) Stations 400+00 & 465+00 Tide Ebb->slack

Weather mostly cloudy, seas 1-2', wind E 5-10kt

H_2O Surf Temp _____ Time _____ Below Mid-Depth _____ Time _____ C or F (circle one)

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

Port Draghead: Tire, rock, rope TED ok

Stbd Draghead: Tire, rock TED ok

Lander Fore: NA

Lander Aft: Still full of old debris

Lander Mid Rock, shell, clay, sand, old turtle bone cleaned almost all the way!

Comments:

Bridge Watch Summary

pecies	# of Animals	Time	Location & Comments
0			

bserver(s) On Duty: C. Ryder / Westerman

Tampa Bay ../USACE, Jacksonville Dist

Date: 3/10/97

Load # 30 Times: Start 1013 End 1252 Dump 1340

Location(lat/long) Stations 400+00-465+00 Tide Flood

Weather mostly cloudy, wind SSE 5-10 knots, seas 1-3

H_2O Surf Temp 73 Time 1130 Below Mid-Depth _____ Time _____ C or (F) (circle one)

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

Port Draghead: Rope TED OK couple outside

Stbd Draghead: Rock, wood, rope TED OK [illegible] broken welding

Lander Fore: NA

Lander Aft: NA still full repairs going on

Lander Mid Rock, shell, trash, clay, sand, horseshoe crab

cleaned about ½ of the cage

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Ø			

Observer(s) On Duty: ERIC Westerman

Tampa Bay ../USACE, Jacksonville Dist

Date: 3/10/97

Load # 31 Times: Start 1455 End 1715 Dump 1820

Location(lat/long) Stations 400+00-465+00 Tide 1.0 Ebbing

Weather Partly cloudy, winds S 5-8 knots, sins 1-2

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

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

Port Draghead: Tires, rope, rock, cable TED ok

Stbd Draghead: Rope, rock TED ok

Lander Fore: Not Used

Lander Aft: NA - Still full of debris

Lander Mid Full Load - 2 hour delay to clean of rock, clay, shell, sand

No Marine samples other than whelks

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Ø			

Observer(s) On Duty: Westerman/Ryder

Date: 3 / 10 / 97

Load # 32 Times: Start 2040 End 2205 Dump 2330

Location(lat/long) Stations 400+00 to 465+00 Tide Flood

Weather skies partly cloudy, seas 1-2', wind SE 5 kt

H_2O Surf Temp 73° Time 2130 Below Mid-Depth NA Time _____ C or (F) (circle one)

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

Port Draghead: rock, rope TED ok

Stbd Draghead: rock, rope, tire TED ok

Lander Fore: NA

Lander Aft: NA: Still full of debris

Lander Mid Rock, clay, shell, butterfly ray, whelk egg casing

Comments:

Bridge Watch Summary

pecies	# of Animals	Time	Location & Comments
0			

bserver(s) On Duty: C. Ryde / W. Coleman

Date: 3/11/97

Load # 33 Times: Start 0010 End 0310 Dump 0440

Location(lat/long) Stations 400+00-465+00 Tide NA

Weather Skies mostly clear, winds light airs, sea calm

H_2O Surf Temp 73 Time 0227 Below Mid-Depth _____ Time _____ C or F (circle one)

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

Port Draghead: Tire, Rope TED OK

Stbd Draghead: Tire, Rope, Rock TED OK

Lander Fore: NA

Lander Aft: Still full

Lander Mid Rock, Shell, clay, trash cleaned all the way

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: Eric Westerman

Date: 3/11/97

Load # 34 Times: Start 0615 End 0715 Dump 0825

Location(lat/long) Stations 400+00 - 465+00 Tide NA

Weather Partly cloudy, winds [illegible]

H_2O Surf Temp _____ Time _____ Below Mid-Depth _____ Time _____ C or F (circle one)

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

Port Draghead: [illegible] TLP OK

Stbd Draghead: Rec trash

Lander Fore: NA

Lander Aft: [illegible] - Not Cleared

Lander Mid Rocky, shell, sponges

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: [illegible]

Date: 3 / 11 / 97

Load # 36 Times: Start 1400 End 1610 Dump 1720

Location(lat/long) Stations 400+00 to 465+00 Tide NA-no printout or gauge

Weather Skies clear, seas 1-2, winds N 5-10kt

H_2O Surf Temp 73° Time 1420 Below Mid-Depth NA Time _____ C or (F) (circle one)

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

Port Draghead: Rock, tire TED OK

Stbd Draghead: ROCK, trash TED OK

Lander Fore: NA

Lander Aft: NA still full - started to clean

Lander Mid Rock, shell, clay, skate decomposed

Comments:

Bridge Watch Summary

pecies	# of Animals	Time	Location & Comments
∅			

bserver(s) On Duty: [illegible]

Date: 3/11/97

Load # 37 Times: Start 1830 End 2050 Dump 2200

Location(lat/long) Stations 400700 - 465700 Tide

Weather mostly clear, winds N 5-10 knots, seas 1-3

H_2O Surf Temp ____ Time ____ Below Mid-Depth ____ Time ____ C or F (circle one)

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

Port Draghead: Rock TED OK

Stbd Draghead: Rock, tire TED OK

Lander Fore: NA

Lander Aft: NA - Still full

Lander Mid Full of Rock - Shell, clay - no marine samples

Comments:

Bridge Watch Summary

ecies	# of Animals	Time	Location & Comments
Ø			

server(s) On Duty: ERIC Westerman / Ryder

Date: 3 12 197

Load # 38 Times: Start 0055 End 0310 Dump 0425

Location(lat/long) Stations 400+00 to 465+00 Tide

Weather skies partly cloudy seas 1-3' winds N 5-10kt

H_2O Surf Temp Time Below Mid-Depth Time C or F (circle one)

Are there incidents involving endangered or protected species? Yes No ✓

Port Draghead: Tire, pipe, rock, cable, rope TED OK

Stbd Draghead: tire rock TED OK

Lander Fore: NA

Lander Aft: Full of old debris - NA

Lander Mid Rock Clay + shell debris - not cleaned. Needed to return to channel to dredge one more load before anchorage

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder

Date: 3 / 12 / 97

Load # 39 Times: Start 0540 End 0640 Dump 0750

Location(lat/long) Stations 400+00 to 465+00 Tide NA

Weather skies partly cloudy, seas 1-2', winds N 5-10 kt

H_2O Surf. Temp 74° Time 0600 Below Mid-Depth _____ Time _____ C or (F) (circle one)

Are there incidents involving endangered or protected species? Yes ____ No none detected

Port Draghead: chain tooth, liver, rock TED ok - some broken chain inside

Stbd Draghead: 0 TED ok

Lander Fore: NA - still clean

Lander Aft: NA - still filled w/ old debris

Lander Mid Used again due to broken mm

Comments: Last load before going to anchor to work on overflow screening

Dredge goes to anchor at about 0900 to change screens.

Mid + Aft boxes cleaned enough for welders to cut holes in front of boxes and then flushed mostly clean. 2 holes per box, Port + Stbd sides of front. Upper overflow screened w/ bip.

Water T @ anchorage 1700 75° surface 74° below surface

Dredge off anchor @ 1800

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder

Date: 3 / 12 / 97

Load # 40 Times: Start 1840 End 2100 Dump 2210

Location(lat/long) Stations 400+00 & 465+00 Tide 1.96

Weather Skies partly cloudy, seas 1', wind N 5 kt

H_2O Surf Temp _____ Time _____ Below Mid-Depth _____ Time _____ C or F (circle one)

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

Port Draghead: rope, rock TED ok

Stbd Draghead: rope, rock, cable TED ok

Lander Fore: NA

Lander Aft: NA - Flushed at end of load

Lander Mid Used this load - a few rocks + rope, otherwise clean

Upper Overflow sponges, grass, blue crab, weed, clay, trash, rope

Comments: First load with modified inflow screening and overflow

Overflow screening in good working condition

Left anchorage at 1800

Bridge Watch Summary

ecies	# of Animals	Time	Location & Comments
0			None Observed

server(s) On Duty: T. Ryder

Date: 3/12/97

Load # 41 Times: Start 2340 End 0010 Dump 0210

Location(lat/long) Stations 400 ft & 465 ft Tide 1.3

Weather skies clear, seas 1-2', wind N 5 kt

H_2O Surf Temp _____ Time _____ Below Mid-Depth _____ Time _____ C or F (circle one)

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

Port Draghead: Tire, Rock TED O/C

Stbd Draghead: Rock, rope TED O/C

Lander Fore: NA

Lander Aft: NA

Lander Mid Rock

Upper Skimmer Trash, seaweed, sharkhead

Comments:

Bridge Watch Summary

ecies	# of Animals	Time	Location & Comments
C			

server(s) On Duty: C. Ryder E. Westerman

Date: 3/13/97

Load # 42 Times: Start 0345 End 0415 Dump 0615

Location(lat/long) Stations 400+00 - 465+00 Tide NA

Weather Cloudy, wind SE 15 knots, Seas 2-3

H_2O Surf Temp 23 Time 0443 Below Mid-Depth _____ Time _____ C or F (circle one)

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

Port Draghead: Rock, Rope TED OK

Stbd Draghead: Rock Rope TED OK

Lander Fore: NA

Lander Aft: Rock

Lander Mid Rock

Skimmer sea pork, seaweed, Trash, crustacean

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: E Westerman

Date: 3/13/97

Load # 43 Times: Start 0725 End 0875 Dump 0955

Location(lat/long) Stations 400700 · 465700 Tide Flood

Weather Partly cloudy, winds SE 10-15 KNOTS, seas 2-3'

H_2O Surf Temp _____ Time _____ Below Mid-Depth _____ Time _____ C or F (circle one)

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

Port Draghead: rock TED ok

Stbd Draghead: rock, tire TED ok

Lander Fore: NA

Lander Aft: Rock

Lander Mid NA

Skimmer sea pork, skate, sponges, worms, crustacean, seaweed, trash

Comments: Hopper catwalk functions a bit like a skimmer catching some biotic debris: sponges, skate egg cases, crustaceans. ZMPT to check after each load

Bridge Watch Summary

ecies	# of Animals	Time	Location & Comments
0			None observed

server(s) On Duty: Westmoreland/Rider

Date: 3/13/97

Load # 44 Times: Start 1100 End 1315 Dump 1425

Location(lat/long) Stations 400+00 & 465+00 Tide Flood

Weather Clear skies, seas 2-3', winds SE 5-10 kt

H_2O Surf. Temp 75° Time 1259 Below Mid-Depth _____ Time _____ C or (F) (circle one)

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

Port Draghead: fire, rock, rope TED Outboard chain Inboard ok

Stbd Draghead: rock, cable, trash TED ok needs welding

Lander Fore: NA

Lander Aft: NA

Lander Mid rock, whelks

Skimmer sponges, skate, sea pork, sea weed, worms, trash

Catwalk 0

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			None Observed

Observer(s) On Duty: C. Byker

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/13/97

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

LOAD # 45 Times: Start 1540 End 1540 Dump 1855

Location(lat/long) Stations 400+00 to 465+00 Tide Ebb

Weather Skies partly cloudy; seas 2-3'; winds SE 5-10 kt H_2O Surf. Temp ____

Below Mid-Depth ____

Port Draghead Tire, Rock Deflector: OK

Stbd Draghead Rock Deflector: OK

~~Port~~ inflow Discharge Screening Rock

~~Stbd Discharge~~ overflow Screening Blue crab, sea pork, trash, shamefaced crab

Comments: ____

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
C			

Observer(s) On Duty: C. Ryder, E. Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/13/97

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

LOAD # 46 Times: Start 2020 End 2300 Dump 0100

Location(lat/long) stations 400+00 - 465+00 Tide

Weather Partly cloudy, winds S10-15, seas 1-4 H_2O Surf.Temp

Below Mid-Depth

Port Draghead Rock, tire Deflector: ok couple of small chains broke

Stbd Draghead Rock Deflector: ok

~~Port~~ inflow Discharge Screening

~~Stbd~~ overflow Discharge Screening seaweed, trash, blue crab, sea pork

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: Westerman / Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/14/97

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

LOAD # 77 Times: Start 0125 End 0245 Dump 0400

Location(lat/long) Stations 400+00 to 765+00 Tide Flood

Weather skies overcast/rain showers; seas 2', wind 5 10-15 kt H_2O Surf.Temp 74°F

Below Mid-Depth____

Port Draghead rocks Deflector: ok

Stbd Draghead rocks, tire Deflector: ok

Inflow
~~Port Discharge~~ Screening rocks

Overflow
~~Stbd Discharge~~ Screening sponges, sea pork, trash

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/14/97

4

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

LOAD # 48 Times: Start 0515 End 0640 Dump 0800

Location(lat/long) Stations 400 mm to 465 mm Tide Flood → Ebb

Weather skies overcast/rain; seas 3-5'; winds 10-15 kt H_2O Surf. Temp____

Below Mid-Depth____

Port Draghead rock, rope Deflector: Main weld broke

Stbd Draghead rock, cable Deflector: ok

~~Port Discharge~~ Inflow Screening Rock

~~Stbd Discharge~~ Overflow Screening sponges, sea pork, plastic debris, trash, seaweed

Comments: mid port hatch broke off. Taken out of cage.

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge *STUYVESANT* - Tampa Bay, FL

USACE, Jacksonville District

3/14/97

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

LOAD # 49 Times: Start 0910 End 1120 Dump 1320

Location(lat/long) station 400100 - 465400 Tide N/A

Weather cloudy, winds S 10-15 knots, seas 3-4' H_2O Surf.Temp 73 @ 940

Below Mid-Depth_____

Port Draghead Rock Deflector: working on repairs

Stbd Draghead Rock Deflector: OK

~~Port~~ Inflow Discharge Screening Rock, Tire

~~Stbd~~ overflow Discharge Screening wood, trash, seaweed, Sea Pork

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: Erin Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/14/97

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

LOAD # 50 Times: Start 1545 End 1735 Dump 1900

Location(lat/long) stations 400+00 465+00 Tide Flood → Ebb

Weather cloudy, winds SW 15-20, seas 3-5 H_2O Surf.Temp 83

Below Mid-Depth____

Port Draghead Up at 1700 to repair TED; rock, line Deflector: repaired during load

Stbd Draghead free, cable, rope, rock Deflector: ok

Port Discharge Screening Inflow Rocks

~~Port~~ Discharge Screening overflow

Stbd Discharge Screening at 1700: sea pork and plastic debris

horseshoe crab at end of load

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: Westermann/Rider

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/14/97

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

LOAD # 51 Times: Start 2010 End 2150 Dump 2310

Location(lat/long) Stations 400+00 + 465+00 Tide Ebb

Weather Clear skies, seas 3-4', winds SW 5-10kt H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead rock, cable Deflector: Still working on repairs

Stbd Draghead rock Deflector: ok

~~Port Discharge~~ Inflow Screening Rock, shell, mud

~~Stbd Discharge~~ overflow Screening seapark, worms, plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/15/97

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

LOAD # 52 Times: Start 0025 End 0220 Dump 0342

Location(lat/long) station 400+00-465+00 Tide NA

Weather skies mostly clear, winds W 10-15, 2-4 H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead Rock, tire Deflector: OK

Stbd Draghead Rock, tire Deflector: OK

Port ~~Discharge~~ Inflow Screening Rock

Stbd ~~Discharge~~ Over Screening wood, trash, blue crab, horseshoe crab

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Ø			

Observer(s) On Duty: ERIL Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/15/97

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

LOAD # 53 Times: Start 0050 End 0700 Dump 0810

Location(lat/long) Stations 400700 - 465700 Tide NO

Weather Partly cloudy winds W/5 knots, seas 3-5 H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead Rock Deflector: OK

Stbd Draghead Rock Deflector: OK

Port Discharge Screening ~~Turf/w~~ Rock

Stbd Discharge Screening ~~overflow~~ Sea Pork, Trash, Seaweed

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: Eric Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/15/97

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

LOAD # 5F Times: Start 0945 End 1125 Dump 1230

Location(lat/long) STG 4CCCC - 4G5TCV Tide NA

Weather Partly cloudy, winds N-NE 12 KNOTS H_2O Surf. Temp 73°F 0945

Below Mid-Depth NA

Port Draghead NOT used, welding TEE Deflector: NA

Stbd Draghead Rock, Rock Deflector: OK

Port ~~Discharge~~ Screening sea pork, rocks, shell, rope, metal debris
hobbler on mid-box broken

Stbd ~~Discharge~~ Screening Trash

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
			None Observed

Observer(s) On Duty: Eric Westerman / Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/15/97

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

LOAD # 55 Times: Start 1355 End 1650 Dump 1755

Location(lat/long) Stations 400+00 to 465+00 Tide Flood

Weather Skies clear, seas 2-3', wind NW 5-10 kt H_2O Surf.Temp 73°F @ 1605

Below Mid-Depth NA

Port Draghead rock Deflector: Still working in transit

Stbd Draghead rock Deflector: ok

~~Port Discharge~~ Inflow Screening rock, shell

~~Stbd Discharge~~ Overflow Screening sponges, blue crab, sea park, plastic debris, trash

Comments: Work on TED ongoing during transit

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			None Observed

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/15/97

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

LOAD # 56 Times: Start 1910 End 2055 Dump 2210

Location(lat/long) Stations 400+00 & 465+00 Tide Ebb

Weather Skies clear, seas 2-4', wind NW 5-10 kt H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead Trees, rock Deflector: ok

Stbd Draghead rock, cable Deflector: ok

~~Port Discharge~~ Inflow Screening Rocks, shell

~~Stbd Discharge~~ Overflow Screening Guitarfish, blue crab, mantis shrimp, sponges, seaweeds, polychaete worms, horseshoe crabs, plastic debris

Comments: TED repaired - some minor repairs needed to chains

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			None Observed

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/16/97

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

LOAD # 57 Times: Start 2340 End 0115 Dump 0235

Location(lat/long) Stations 400+00 to 465+00 Tide Ebb

Weather skies clear, seas 3-5", winds NNW 5-10 kt H_2O Surf.Temp [illegible]

Below Mid-Depth ____

Port Draghead Rock, rope Deflector: OK

Stbd Draghead Rock, Trash Deflector: OK

~~Port Discharge Screening~~ Inflow Rock

~~Stbd Discharge~~ Overflow Screening Trash, sea Pork, eel

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Ø			

Observer(s) On Duty: C. Ryder, E. Westerman

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge *STUYVESANT* - Tampa Bay, FL

USACE, Jacksonville District

03/16/97

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

LOAD # 58 Times: Start 0345 End 0530 Dump 0645

Location(lat/long) Stations 400+00-465+00 Tide Flood

Weather Skies clear, Winds NE 15 knots, Seas 2'-4- H_2O Surf.Temp 73°F

Below Mid-Depth NA

Port Draghead Rock, tire Deflector: OK

Stbd Draghead Rock, rope Deflector: ok

Inflow Screening Rocks, rope

Overflow Screening Partial loggerhead, blue crab, sponge, skate, trash.

Comments: Fresh rear quarter of a juvenile Caretta caretta was sampled in the port side of the skimmer. No other parts were found in the draghead or what is left of the inflow screens. The bow thruster was not used during the load. The turtle was measured and photographed. The turtle was frozen so if the dredge picks up more pieces in the next couple of days the observers can compare parts. The turtle had no foul odor and the skin had had good white and yellow color. The turtle had two claws on the flipper. The flipper size was 24cm by 12.5 cm.

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
			None

Eric Westerman

Observer(s) On Duty: _____

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge *STUYVESANT* - Tampa Bay, FL

USACE, Jacksonville District

3/16/97

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

LOAD # 59 Times: Start 0800 End 0935 Dump 1040

Location(lat/long) STG 465+00 - 400+00 Tide Ebb

Weather clear, winds NE 15 knots Seas 2-4 H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead Rock, tire Deflector: OK

Stbd Draghead Rock Deflector: OK

~~Port~~ Discharge Screening inflow Rock

~~Stbd~~ Discharge Screening overflow sponge, trash, seaweed

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: Eric Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

5/16/97

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

LOAD # 60 Times: Start 1205 End 1725 Dump 1525

Location(lat/long) Stations 400+00 to 465+00 Tide Flood

Weather skies clear, seas 2-4', wind NE 10-15 kt H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead rock, rope, cable Deflector: inboard most broken

Stbd Draghead rock, clay Deflector: ok

Inflow
~~Port Discharge Screening~~ rock, shell

~~Stbd Discharge~~ Overflow Screening horseshoe crab, sea pork, sponges, wood, plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			C. Ryder

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/16/97

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

LOAD # 61 Times: Start 1700 End 1840 Dump 1950(?)

Location(lat/long) Stations 400+00 & 465+00 Tide Flood

Weather skies clear, seas 2-4', winds NE 10-15 H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead rock Deflector: chain mesh needs welding

Stbd Draghead rock Deflector: OK

~~Port Discharge~~ Inflow Screening Rocks, shell

~~Stbd Discharge~~ Overflow Screening whitefin sharksucker, horseshoe crab, sponges

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
⊖			None Observed

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/17/97

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

LOAD # 62 Times: Start 2110 End 2300 Dump 0020

Location(lat/long) Stations 400+00 to 465+00 Tide Ebb @ 2235

Weather skies clear, seas 2-3', wind NE 5-10 kt H_2O Surf.Temp 73°F

Below Mid-Depth NA

Port Draghead Rock, tire, rope Deflector: mesh needs welding

Stbd Draghead Rock, tires Deflector: ok

Inflow
~~Port Discharge~~ Screening

Overflow
~~Stbd Discharge~~ Screening spider crab, sponges, sea pork, sea weeds, polychaek worms, plastic debris

Comments: Bow thrusters used for final turn 2303 - 2307

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/17/97

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

LOAD # 63 Times: Start 0135 End 0335 Dump 0445

Location(lat/long) stg 400700 - 465700 Tide ESS

Weather clear, winds NE 15 knots, seas 3' H_2O Surf.Temp 72°F

Below Mid-Depth ____

Port Draghead ROCK Deflector: OK

Stbd Draghead ROCK Deflector: OK

Port Discharge Screening ~~below~~ ROCK

Stbd ~~Discharge~~ Screening ~~below~~ Trash, butterfly ray, shark egg case

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: Eric Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/17/97

Are there incidents involving endangered or protected species? Yes ✓ No ___

LOAD # 64 Times: Start 0620 End ___ Dump ___

Location(lat/long) Sta 400+00 465+00 Tide 1.6

Weather Partly cloudy, winds E 10 knots Sea 1-3 H_2O Surf. Temp 1.6

Below Mid-Depth ___

Port Draghead Rock Deflector: OK Reshackled corner

Stbd Draghead Rock Deflector: OK

~~Port~~ inflow Discharge Screening Rock, trash
catwalk - decomposing left flipper, Probably
turtle from yesterday. Will compare flippers

~~Stbd~~ overflow Discharge Screening Butterfly ray, crab trap parts, seaweed, trash
sponge, Polychaete worms

Comments: Tug challenger has been working
in the project area for about a
day and half. The Kingsman challenger has about
a 42' plow, leveling off the bottom.

Night light hook-up.

840-2123
Tacked in pins on TEDS

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Ø			

Observer(s) On Duty: Eric Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/17/97

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

LOAD # 65 Times: Start 0920 End 1025 Dump 1150

Location(lat/long) Sta 335+00 - 465+00 Tide 1.3

Weather Skies partly cloudy, winds 610 - 15 knots H_2O Surf. Temp 5665 1-3

Below Mid-Depth NA

Port Draghead Rock, rope Deflector: ok

Stbd Draghead Rock Deflector: ok

~~Port Discharge~~ inflow Screening rock, shell, mud, dolly varden crab

~~Stbd Discharge~~ overflow Screening skate, sponge, whelk egg cases, plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			None Observed

Observer(s) On Duty: Eric Westerman, C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/17/97

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

LOAD # 66 Times: Start 1400 End 1540 Dump 1645

Location(lat/long) Stations 335+00 & 965+00 Tide Flood

Weather skies partly cloudy, seas 1-3', winds NE 10-15 kt H_2O Surf.Temp 72°F @ 1405

Below Mid-Depth NA

Port Draghead rock, rope + chain Deflector: ok

Stbd Draghead rope Deflector: ok

~~Port Discharge~~ Inflow Screening + Catwalk: Shell, rock, clay, mud, trash

~~Stbd Discharge~~ Overflow Screening whelk egg cases, skate egg cases, sponges, worms, wood, plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			None Observed

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3 1/7/97

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

LOAD # 67 Times: Start 1750 End 1925 Dump 2035

Location(lat/long) Stations 335+00 to 465+00 Tide Ebb

Weather skies partly cloudy, seas 1-2', winds NE 5-10 kt H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead Rock Deflector: ok

Stbd Draghead Rock Deflector: ok

Inflow
~~Port Discharge~~ Screening Rock, shell

Overflow
~~Stbd Discharge~~ Screening blue crab, stalk, sponges, wood, plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
—			None Observed

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/18/97

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

LOAD # 68 Times: Start 2210 End 0000est Dump 0115

Location(lat/long) Stations 335+00 to 465+00 Tide Ebb

Weather Skies partly cloudy, seas 2-3', winds NE 10-15kt H_2O Surf.Temp 72°F @2230

Below Mid-Depth____

Port Draghead rope rock on deck @ 2330 Deflector: minor mesh repairs needed

Stbd Draghead ____ Deflector: ____

~~Port Discharge~~ Inflow Screening ROCK

~~Stbd Discharge~~ Overflow Screening Blue crab, sponge, trash, seaweed

Comments: Port Engine failure - low thrust through turn at 2320-2330

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
⊘			

Observer(s) On Duty: C. Ryder, E. Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/4/98

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

LOAD # 69 Times: Start 0220 End 0415 Dump 0520

Location(lat/long) stg 335700-465700 Tide .0

Weather cloudy, winds SE 15knots, seas 3-4 H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead ROCK, crab trap Deflector: OK

Stbd Draghead ROCK, clay Deflector: OK

Port ~~Discharge~~ Screening ROCK

Stbd ~~Discharge~~ Screening overflow Blue crabs, crab trap, sponge, seaweed,

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: Eric Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/18/97

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

LOAD # 70 Times: Start 0625 End 0840 Dump 0941

Location(lat/long) station 355 to 00 - 465 to 00 Tide 1.0

Weather cloudy, winds SE 15 knots, seas 1-3 H_2O Surf. Temp 72°F

Below Mid-Depth 72°F

Port Draghead Rock, cable Deflector: OK

Stbd Draghead Rock, tire, rope Deflector: OK

~~Port~~ inflow Discharge Screening Rock, trash, conshell

~~Stbd~~ outflow Discharge Screening catfish, mantis shrimp, butterfly ray, southern stingray, worm, blue crabs, seaweeds, crab traps

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: Eric Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/18/97

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

LOAD # 71 Times: Start 1100 End 1225 Dump 1330

Location(lat/long) Stations 355+00 - 465+00 Tide 1.0

Weather Partly cloudy, winds SE 15 knots, Sea 2-3 H_2O Surf.Temp_____

Below Mid-Depth_____

Port Draghead rock, repr Deflector: ok

Stbd Draghead 0 Deflector: ok

~~Port~~ Overflow Discharge Screening _____

~~Stbd~~ Overflow Discharge Screening skate, blue crab, sponges, seaweed, mantis shrimp, trash

Comments: Delay @ dump to test pumpout system

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			None Observed

Observer(s) On Duty: Eric Wortman/Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/18/97

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

LOAD # 72 Times: Start 1605 End 1720 Dump 1830

Location(lat/long) Stations 335+00 to 465+00 Tide Flood

Weather Skies clear, winds SE 10-15 kt, seas 2-3' H_2O Surf.Temp 72°F

Below Mid-Depth____

Port Draghead 0 Deflector: ok

Stbd Draghead rock, clay Deflector: ok

INFLOW
~~Port Discharge~~ Screening Shell, rock, clay
Some accumulation in forward box - to be cleaned during daylight hours

Overflow
~~Stbd Discharge~~ Screening horseshoe crabs, sponges, sea pork, sea weeds, trash

Comments: STBD Draghead: one shackle removed on TED for draghead (4 instead of 5)
production experiment ??? Is it ok to do this?

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/18/97

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

LOAD # 73 Times: Start 1950 End 2100 Dump 2200

Location(lat/long) Stations 335+00 to 465+00 Tide Flood

Weather skies clear, seas 1-3', wind SE 5-10 kt H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead rock Deflector: ok

Stbd Draghead rock, tire, tree, rope Deflector: ok

Inflow
~~Port Discharge~~ Screening shell, rock

Overflow
~~Stbd Discharge~~ Screening sponge, blue crab, sea pork, sea weed, plastic debris, wood

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			None Observed

Observer(s) On Duty: C. Tyler

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

7/19/97

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

LOAD # 74 Times: Start 2325 End 0230 Dump 0345

Location(lat/long) Stations 335+00 to 465+00 Tide Ebb

Weather skies clear, seas 1-3', wind SE 5-10 kt H_2O Surf.Temp 73° F

Below Mid-Depth 73° F

Port Draghead Rock Deflector: OK

Stbd Draghead Rock Deflector: OK

~~Port Discharge~~ Inflow Screening Rock

Fore = Full of Rocks, penshell, whelk = trash

not cleaned all the way

~~Stbd Discharge~~ Overflow Screening sea bark, seaweed, manitsshrimp, trash

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Ø			

Observer(s) On Duty: C. Ryder, E. Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

7/19/97

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

LOAD # 75 Times: Start 0445 End 0610 Dump 0715

Location(lat/long) station 335+00 465+00 Tide .4

Weather mostly clear, winds SE 5-10, sea 1-3 H_2O Surf.Temp ____

Below Mid-Depth ____

Port Draghead Rock crab trap Deflector: OK

Stbd Draghead Rock Deflector: OK

~~Port Di~~Inflow scharge Screening Rock, shell

~~Stbd~~ Overflow Discharge Screening seaweed, blue crabs, trash, sea pork

Comments: ____

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: ERIC Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

2/19/97

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

LOAD # 76 Times: Start 0820 End 0950 Dump 1055

Location(lat/long) Station 335+00-465+00 Tide 1.7

Weather clear, winds S-SE-7-10knots, sea 1-3 H_2O Surf.Temp ____

Below Mid-Depth ____

Port Draghead Rock, tire Deflector: OK

Stbd Draghead cable, ROCK Deflector: OK

~~Port~~ inflow Discharge Screening Rock, trash
cleaned fore inflow cage all the way

~~Stbd~~ overflow Discharge Screening seaweed, blue crab, sea cucumber, sea Pork
trash

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: ERIC Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/19/97

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

LOAD # 77 Times: Start 1305 End 1455 Dump 1600

Location(lat/long) Stations 335+00 - 468 00 Tide Ebb

Weather Skies clear, seas 1-2', wind 33E 5 kt H_2O Surf.Temp 74°F

Below Mid-Depth 73°F

Port Draghead NA - Port Dredge Pump Down Deflector: NA

Stbd Draghead Rock Deflector: ok

~~Port~~ Eaflow Discharge Screening shell, rock, mud

Stbd ~~Discharge~~ overflow Screening blue emb, southern stingray, sponges, seaweeds, unidentified fish remains, plastic debris, wood ↙ mantis shrimp

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			None Observed

Observer(s) On Duty: Cheryl Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/19/97

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

LOAD # 78 Times: Start 1720 End 1900 Dump 2010

Location(lat/long) Stations 335+00 to 468+00 Tide Flood 1.7

Weather Skies partly, seas calm to 1', winds SE 5 kt H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead NA Dredge Pump Repairs Deflector: NA

Stbd Draghead Rock, metal debris, cable Deflector: ok

~~Port Discharge~~ Inflow Screening + Catwalk : shell + rock

~~Stbd Discharge~~ Overflow Screening plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			None Observed

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/19/97

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

LOAD # 79 Times: Start 2115 End 2245 Dump 2350

Location(lat/long) Stations 335to to 468to Tide E66 1.8

Weather skies clear, seas calm, winds light H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead NA Dredge Pump Repairs Deflector: NA

Stbd Draghead Rock Deflector: ok

~~Port Discharge Screening~~ Inflow

~~Stbd Discharge Screening~~ Overflow Plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			None Observed

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/20/97

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

LOAD # 80 Times: Start 0110 End 0340 Dump 450

Location(lat/long) Sta 335+00-368+00 Tide 1.1

Weather Partly cloudy, winds light airs Seas calm H_2O Surf. Temp 73°F

Below Mid-Depth ____

Port Draghead Not used Deflector: ____

Stbd Draghead Rock, tire Deflector: OK

~~Port~~ Inflow Discharge Screening Rock

~~Stbd~~ Overflow Discharge Screening Blue crab, sea Pork, trash

Comments: Went into Port Manatee for fuel and water At DOCK 0900
Departed dock @ 1600

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Ø			

Observer(s) On Duty: ERIC Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3 12 97

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

LOAD # 81 Times: Start 1750 End 1930 Dump 2035

Location(lat/long) Stations 335+00 to 468+00 Tide Flood

Weather skies overcast, rainy, seas 1-2', wind WSW 5-10kt H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead NA Dredge Pump Down Deflector: NA

Stbd Draghead rock Deflector: ok

~~Port Discharge~~ Inflow Screening Rock, shell

~~Stbd Discharge~~ Overflow Screening sponges, blue crabs, plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			None Observed

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/21/97

Are there incidents involving endangered or protected species? **Yes**____ **No** 1

LOAD # 82 Times: Start 2145 End 2350 Dump 0115

Location(lat/long) Stations 335+00 to 468+00 Tide EBB 1.5

Weather skies overcast, seas 1-2', winds WSW 5-10kts H_2O Surf.Temp 73° @ 2305

Below Mid-Depth____

Port Draghead NA Deflector: NA

Stbd Draghead checked @ 2300 Ø Deflector: ____

Inflow
~~Port Discharge~~ Screening ____

Overflow
~~Stbd Discharge~~ Screening Ø

Comments: ____

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Ø			

Observer(s) On Duty: C. Ryder, E. Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/21/97

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

LOAD # 83 Times: Start 0235 End 0305 Dump 0515

Location(lat/long) sta 335+00- 468+00 Tide 1.0

Weather cloudy, Rain, winds SW 10 knots, Sea 2-3 H_2O Surf. Temp ____

Below Mid-Depth ____

Port Draghead [illegible] Deflector: ____

Stbd Draghead Rock, Palm tree Deflector: O/C

~~Port~~ Inflow Discharge Screening Rock
used forward Box - Rock shell, whelk egg case

~~Stbd~~ Overflow Discharge Screening Blue crab, Trash

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Ø			

Observer(s) On Duty: Eric Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/21/97

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

LOAD # 84 Times: Start 0630 End 0800 Dump 0910

Location(lat/long) station 335400 - 468400 Tide 0.8

Weather overcast, rain, winds SW 10 knots H_2O Surf. Temp 73°F

Below Mid-Depth _____

Port Draghead NA Deflector: _____

Stbd Draghead rock, fine Deflector: OK

~~Port~~ Discharge Screening rock

~~Stbd~~ Discharge Screening sponge, trash, wood, whelk egg case

Comments: _____

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: Eric Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/21/97

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

LOAD # 85 Times: Start 1045 End 1225 Dump 1335

Location(lat/long) Sta 335+00 - 468+00 Tide 2.0

Weather Partly cloudy, winds w 10 knots, seas 2-3 H_2O Surf. Temp ____

Below Mid-Depth ____

Port Draghead NA Deflector: NA

Stbd Draghead Ø Deflector: ok

~~Port Discharge~~ Inflow Screening mud, shell, rock

~~Stbd~~ Overflow Discharge Screening Ø

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Ø			None Observed

Observer(s) On Duty: Westerman/Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/12/97

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

LOAD # 86 Times: Start 1445 End 1620 Dump 1725

Location(lat/long) Stations 335+00 & 400+00 Tide Ebb

Weather overcast/rain showers, seas 2-4', winds W 10-15 kt H_2O Surf.Temp 73°F @ 1600 Below Mid-Depth____

Port Draghead NA Deflector: NA

Stbd Draghead rock, clay, rope Deflector: ok

~~Port Discharge~~ Inflow Screening + Catwalk shell, rock

~~Stbd Discharge~~ Overflow Screening plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			None Observed

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/21/97

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

LOAD # 87 Times: Start 1840 End 2040 Dump 2155

Location(lat/long) Stations 400+00 to 465+00 Tide Flood

Weather Partly cloudy, seas 2-4' swell w/chop winds W 10-15 kt H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead NA Deflector: NA

Stbd Draghead clay, rock Deflector: ok

~~Port Discharge~~ Inflow Screening rockshell

~~Stbd Discharge~~ Overflow Screening plastic debris

Comments:

* 4 load of 400+00-465+00 followed by one load 335+00 to 400+00

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/22/97

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

LOAD # 88 Times: Start 2325 End 0055 Dump 0213

Location(lat/long) Stations 400 +00 to 465 +00 Tide ____

Weather skies clear, seas 3-5' swell w/chop, wind WSW 10-15kt H_2O Surf.Temp ____ Below Mid-Depth ____

Port Draghead NA Deflector: NA

Stbd Draghead ROCK Deflector: U/C

~~Port Discharge~~ Inflow Screening Rock

~~Stbd Discharge~~ Overflow Screening Trash

Comments: ____

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: C. Ryder, E. Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

312497

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

LOAD # 89 Times: Start 0330 End 0505 Dump 0620

Location(lat/long) sta 400+00 - 464+00 Tide 1.4

Weather Partly cloudy, winds w-nw 15 knots seas 5' H_2O Surf. Temp ____

Below Mid-Depth ____

Port Draghead NA Deflector: NA

Stbd Draghead Rock, tire Deflector: OK

~~Port~~ Inflow Discharge Screening Rock

~~Stbd~~ Overflow Discharge Screening Trash, very little debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
∅			

Observer(s) On Duty: ERIC Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

312497

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

LOAD # 90 Times: Start 0835 End 1050 Dump 1150

Location(lat/long) sta 334+00' 400+00 Tide 0.8

Weather Partly cloudy, wind W-NW 15-20 knots sea 4-6 H_2O Surf. Temp 72°F

Below Mid-Depth____

Port Draghead NA Deflector: NA

Stbd Draghead Wet, rock Deflector: OK

~~Port~~ Inflow Discharge Screening skate, rock, shell

~~Stbd~~ Overflow Discharge Screening Trash, Sea Pork

Comments: Bow thruster used at 0807-0812 unseated drag on board, going in to anchor area for transfers of equipment. Station 334+00.

27° 35.431' N
.082° 57.772' W
CC Loggerhead adult in channel Green side note outside cut area.

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
CC	1	1119	West buoys 3-4

Observer(s) On Duty: ERIC Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/22/97

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

LOAD # 91 Times: Start 1325 End 1445 Dump 1550

Location(lat/long) Stations 400+00 to 468+00 Tide E66

Weather skies clear/hazy; seas 3-5' chop, wind WNW 15 kt H_2O Surf.Temp 72° @ 1530

Below Mid-Depth____

Port Draghead NA Deflector: NA

Stbd Draghead rope Deflector: ok

~~Port Discharge~~ Inflow Screening rock, shell

~~Stbd Discharge~~ Overflow Screening sea grass, plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/22/17

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

LOAD # 92 Times: Start 1720 End 1855 Dump 2010

Location(lat/long) Stations 400+00 to 468+00 Tide Flood

Weather skies partly cloudy; seas 3-5'; wind NW-W 10-15 kt H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead NA Deflector: NA

Stbd Draghead Rock Deflector: ok

~~Port Discharge~~ Inflow Screening shell rock

~~Stbd Discharge~~ Overflow Screening plastic debris, whelk egg case

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			None Observed

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/23/97

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

LOAD # 92 Cont. Times: Start 1815 End 1945 Dump 2110

Location(lat/long) Stations 400+00 to 468+00 Tide Ebbing

Weather skies overcast, seas 1-3', wind SE 5-10 kt H_2O Surf. Temp____

Below Mid-Depth____

Port Draghead N/A Deflector: N/A

Stbd Draghead rock, rope, cable, nylon Deflector: ok

~~Port Discharge~~ Inflow Screening rock, shell

~~Stbd Discharge~~ Overflow Screening sponge, whelk cases, sea pork, plastic debris

Comments: Dredge left Egmont anchorage @ 1745 and resumed load begun 3/22

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM Load #92
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District Both Sides

3 12 97

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

LOAD # 92 Times: Start 2140 End 2210 Dump NA

Location(lat/long) Stations 400+00 to 468+00 Tide Flood

Weather skies clear, seas 2', wind NNW 5-10 kt H_2O Surf.Temp 72°F @2100

Below Mid-Depth NA

Port Draghead NA Deflector: NA

Stbd Draghead Not Accessible Deflector: NA

~~Port Discharge~~ Inflow Screening Rock

~~Stbd Discharge~~ Overflow Screening whelk egg case, trash

Comments: Load Aborted - STBD dragarm disabled by broken block
dredge went into anchorage for repairs 0430
Departed anchorage @ 1745

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder, E. Ackerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/24/97

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

LOAD # 94 Times: Start 2250 End 0015 Dump 0135

Location(lat/long) Stations 400+00 to 468+50 Tide 1.2

Weather Skies overcast, seas 1-3', wind SE 5-10 kt H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead NA Deflector: NA

Stbd Draghead Rock Deflector: OK

Inflow
~~Port Discharge~~ Screening Rock

Overflow
~~Stbd Discharge~~ Screening Sponge, trash

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: C. Ryder, E. Zoestermann

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

312497

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

LOAD # 95 Times: Start 0240 End 0415 Dump 0525

Location(lat/long) Stg 335 tov · 400 tov Tide 1.9

Weather Partly cloudy, wind: E-NE 12-16 Knots H_2O Surf. Temp 72°F

Below Mid-Depth _____

Port Draghead NA Deflector: _____

Stbd Draghead Rock, tire Deflector: OK

Port ~~Discharge~~ Inflow Screening Rock

Stbd ~~Discharge~~ overflow Screening Sea Pork, sponge, shrimp eggs cast, Trash

Comments: _____

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
∅			

Observer(s) On Duty: ERIC WESTERMAN

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

312497

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

LOAD # 96 Times: Start 0640 End 0815 Dump 0920

Location(lat/long) Sta 400+00-468+00 Tide 0.6

Weather Partly cloudy, winds NW 10 knots Seas 1-3 H_2O Surf. Temp ____

Below Mid-Depth ____

Port Draghead NA Deflector: ____

Stbd Draghead Rock Deflector: small chains on inboard side breaking, reported to mate.

~~Port~~ Inflow Discharge Screening Rock, Penshell

~~Stbd~~ Overflow Discharge Screening sea Pork, Trash

Comments: 2736.326N
08250.370W
N Buoy 12 - Green side of channel buoy to near unidentified species, smaller in size. area
0735 Dark in color.
Turtle sighted in the cut area, dredge was digging on the other side of the channel

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
unidentified	1	0735	sea turtle, not good enough sighting to I.D. species

Observer(s) On Duty: ERIC Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

312497

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

LOAD # 97 Times: Start 1040 End 1230 Dump 1340

Location(lat/long) STG 400+00 - 468+00 Tide 1.6

Weather clear, winds E-NE 10-15 KNOTS H_2O Surf. Temp 86F 2:4

Below Mid-Depth _____

Port Draghead NA Deflector: NA

Stbd Draghead Rock, rope Deflector: chain mesh repairs needed

~~Port~~ Inflow Discharge Screening skill, rock, prosbells, sand dollars

Outflow
Stbd Discharge Screening sponges, sea pork, whelk cases, plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Te	4	1300	Outside Channel in transit to dump

Observer(s) On Duty: ERIC Westermen / Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/27/97

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

LOAD # 98 Times: Start 1510 End 1695 Dump 1750

Location(lat/long) Stations 400+00 to 468+00 Tide Ebbing

Weather skies clear, seas 1-2', wind NE 5-10 kt H_2O Surf. Temp 73° @ 1530

Below Mid-Depth NA

Port Draghead NA Deflector: NA

Stbd Draghead rock, tires Deflector: mesh on back

~~Port Discharge~~ inflow Screening rock, shell

~~Stbd Discharge~~ Overflow Screening sea pork, skate, plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
∅			

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3 Mar 97

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

LOAD # 99 Times: Start 1920 End 2105 Dump 2215

Location(lat/long) Stations 400+00 to 468+00 Tide Flood

Weather skies clear, seas calm, wind NE 5 kt H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead NA Deflector: NA

Stbd Draghead rocks, tire Deflector: ok (same condition)

~~Port Discharge~~ Inflow Screening rock, shell

~~Stbd Discharge~~ Overflow Screening sea pork, sponges

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			None Observed

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3 25197

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

LOAD # 100 Times: Start 2335 End 0010 Dump 0205

Location(lat/long) sta 355+00 - 400+00 Tide Flood

Weather skies clear seas 1' wind NE 5 kt H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead NA Deflector: NA

Stbd Draghead Rock Deflector: small chains only

Inflow
~~Port Discharge~~ Screening ROCK

Overflow
~~Stbd Discharge~~ Screening sea PORK sponge, whelk egg cases

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: C. Ryder, E. Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

312597

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

LOAD # 101 Times: Start 0325 End 0455 Dump 0600

Location(lat/long) STG 40+00 - 464+00 Tide 1.1

Weather Partly Cloudy, winds E 10 kts H2O Surf. Temp 72°F

Below Mid-Depth ____

Port Draghead NA Deflector: ____

Stbd Draghead Rock Deflector: Caught chain and

~~Port~~ Discharge Screening overflow Rock, checked all three for turtle parts.

~~Stbd~~ Discharge Screening overflow sea pork, intestines, whelk egg cases 133.5 cm

Comments: Fresh intestines found in the overflow, 133.5 cm. appears to be from a sea turtle but inconclusive. Intestines photographed and frozen. observers. The intestine was cut open, small amounts of pus colored mucus found on the lining.

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
X			

Observer(s) On Duty: Eric Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/25/97

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

LOAD # 102 Times: Start 0720 End 0850 Dump 1020

Location(lat/long) STG 400+00 464+00 Tide 17

Weather skies clear, winds SE 10 knots, SEA 51-3 H_2O Surf. Temp ____

Below Mid-Depth ____

Port Draghead NA Deflector: ____

Stbd Draghead Rock Deflector: some small chains broke in and outside

~~Port~~ Inflow Discharge Screening Inspected all three inflow for turtle parts, none found.

~~Stbd~~ Overflow Discharge Screening Intestine, sea pork, trash, whelk eggca

Comments: .51 cm of intestine found in overflow. Intestine Photographed and frozen

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: ERIC Westermon

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

312997

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

LOAD # 103 Times: Start 1110 End 1245 Dump 1350

Location(lat/long) sta 400+00 - 468+00 Tide 2.0

Weather skies mostly clear, winds S-SE 10 knots seas 2' 3' H_2O Surf. Temp ____

Below Mid-Depth ____

Port Draghead NA Deflector: NA

Stbd Draghead rock Deflector: Chain mesh repairs needed

~~Port~~ Inflow Discharge Screening rock, shell, sea pork

~~Stbd~~ Overflow Discharge Screening sea pork, seaweeds, whelk egg cases, plastic debris

Comments: No further evidence of viscera or turtle parts in overflow or inflow screening

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Ø			

Observer(s) On Duty: Westerman/Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3 12 5 97

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

LOAD # 104 Times: Start 1520 End 1710 Dump 1821

Location(lat/long) Stations 400+00 to 468+00 Tide Ebbing

Weather skies mostly clear, seas 2-3', winds SE 5-10 kt H_2O Surf.Temp 74° @ 1700

Below Mid-Depth 74°

Port Draghead N/A Deflector: N/A

Stbd Draghead Rocks, rope Deflector: ok

~~Port Discharge~~ Inflow Screening rock, shell

~~Stbd Discharge~~ Overflow Screening Sea pork, plastic debris

Comments: No additional evidence of viscera or turtle parts

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Tt	4	1530	off #11 Buoy outside channel

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/25/97

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

LOAD # 105 Times: Start 1940 End 2145 Dump ____

Location(lat/long) Stations 334+00 to 400+00 Tide Flood

Weather Skies clear, seas 2-3', wind SE 5 Kt H_2O Surf.Temp ____

Below Mid-Depth ____

Port Draghead NA Deflector: NA

Stbd Draghead Rock, tire, rope Deflector: Same

~~Port Discharge~~ Inflow Screening rock, shell, mud

~~Stbd Discharge~~ Overflow Screening sea pork, whelk cases, mantis shrimp, plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Ø			

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/26/97

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

LOAD # 106 Times: Start 0005 End 0145 Dump _____

Location(lat/long) 400-464 Tide 1.0

Weather Partly cloudy, winds 5 10 knots H_2O Surf. Temp 73°F

Below Mid-Depth _____

Port Draghead NA Deflector: _____

Stbd Draghead Rock Deflector: same

~~Port Discharge~~ Inflow Screening Rock, shell

Stbd ~~Discharge~~ Overflow Screening see Rock, whelk eggs cases, trash

Comments: _____

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
C			

Observer(s) On Duty: Eric Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

312697

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

LOAD # 107 Times: Start 0405 End 0540 Dump 0645

Location(lat/long) Sta Tide 1.0

Weather Partly cloudy, winds SSE 10-12 H_2O Surf. Temp 5-4-3

Below Mid-Depth____

Port Draghead NA Deflector:

Stbd Draghead Rock, rope Deflector: Same

~~Port~~ Inflow Discharge Screening Rock, cable, shell

~~Stbd~~ Overflow Discharge Screening Sea pork, trash

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Ø			

Observer(s) On Duty: Eric Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/26/97

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

LOAD # 108 Times: Start 0805 End 0940 Dump 0940

Location(lat/long) Sta 400+00-464+00 Tide 1.0

Weather cloudy, winds SE 5-10 knots, seas 2-3 H_2O Surf. Temp ____

Below Mid-Depth ____

Port Draghead NA Deflector: ____

Stbd Draghead Rock, metal, rope Deflector: same

~~Port Discharge~~ overflow Screening Rock, cable, shell

~~Stbd Discharge~~ overflow Screening See Rock, trash, worms, sea weed

Comments: 0914-0918 425+00 est
unseated Bow thruster

The lower skimmer used for about 1 minute due to ship being aground. The mid skimmer was just used before to lower the hopper level, anything in the hopper should of ended up in the mid skimmer, the dredge was not digging at the time.

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
			Ø

Observer(s) On Duty: Eric Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/26/97

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

LOAD # 109 Times: Start 1005 End 1150 Dump 1310

Location(lat/long) STG 334 to 400 to Tide Flood

Weather skies overcast/hazy, seas 1-2', wind SE 5 kt H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead N/A Deflector: N/A

Stbd Draghead Rock Deflector: OK

~~Port~~ Discharge Screening overflow shell rock (skate and horseshoe crab on top of old screening)

Stbd Discharge Screening overflow whelk egg cases, plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3 /26/97

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

LOAD # 110 Times: Start 1530 End 1715 Dump 1830

Location(lat/long) Stations 400+00 & 468+00 Tide Ebbing

Weather Skies hazy, seas 2-3', wind SE 5 kt H_2O Surf. Temp 74° @ 1705

Below Mid-Depth____

Port Draghead NA Deflector: NA

Stbd Draghead Rock, fine Deflector: ok

~~Port Discharge~~ Inflow Screening Rock, shell

~~Stbd Discharge~~ Overflow Screening southern stingray, horseshoe crab, sea port, whelk cases

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/26/97

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

LOAD # 111 Times: Start 1940 End 2100 Dump 2210

Location(lat/long) Stations 400+00 & 468+00 Tide Flood

Weather Skies mostly cloudy, seas 2-3', wind SE 5kt-10kt H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead NA Deflector: NA

Stbd Draghead rock chute Deflector: same

~~Port Discharge~~ Inflow Screening rock/shell/mud

~~Stbd Discharge~~ Overflow Screening sea pork, whelk cases, plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3 MAY 97

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

LOAD # 112 Times: Start 2330 End 0115 Dump 0225

Location(lat/long) Stations 400+00 to 468+00 Tide Ebb

Weather mostly cloudy, seas 2', wind NW 5 kt H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead NA Deflector: NA

Stbd Draghead Rock Deflector: Same

Inflow
~~Port Discharge~~ Screening Rock

Overflow
~~Stbd Discharge~~ Screening Sea Pork, trash

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
⊘			
~			

Observer(s) On Duty: C. Ryder, E. Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/27/97

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

LOAD # 113 Times: Start 0350 End 0520 Dump 0630

Location(lat/long) stg 400 - 465 Tide 1.1

Weather cloudy, winds NW 5-8 knots Seas calm H_2O Surf. Temp 73°F

Below Mid-Depth_____

Port Draghead NA Deflector: _____

Stbd Draghead Rock Deflector: small chains broken

Port ~~Discharge~~ Screening ~~Overflow~~ Rock

Stbd Discharge Screening ~~Overflow~~ sea pork, trash, whelk egg case.

Comments: _____

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: Eric Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/27/97

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

LOAD # 114 Times: Start 0740 End 0910 Dump 1020

Location(lat/long) Sta 334+00 - 400+00 Tide ____

Weather Partly cloudy, winds NW 5-8 knots, sea calm H_2O Surf.Temp ____

Below Mid-Depth ____

Port Draghead NA Deflector: ____

Stbd Draghead Rock Deflector: Same

~~Port~~ Inflow Discharge Screening Rock

~~Stbd~~ Overflow Discharge Screening Sea pork, whelk egg cases, trash worms mantis shrimp, Blue crabs,

Comments: ____

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: ERIC Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

312797

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

LOAD # 115 Times: Start 1135 End 1305 Dump 1410

Location(lat/long) Sta 400+00 - 465+00 Tide 1.7

Weather Partly cloudy, winds light airs H_2O Surf. Temp Sea calm 74°F

Below Mid-Depth 74°F @ 1800 Egmont Key Anchor.

Port Draghead NA Deflector: NA

Stbd Draghead Rock, tires Deflector: Same

~~Port~~ Inflow Discharge Screening rock, shell, mud

~~Stbd~~ Overflow Discharge Screening sea port, plastic debris

Comments: To anchor for sheave and dredge pump repairs @ 1730 Egmont Key Anchorage
STBD STBD

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Ø			

Observer(s) On Duty: Cheryl Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/28/97

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

LOAD # 116 Times: Start 0555 End 0735 Dump 0845

Location(lat/long) Stg 400-465 Tide 0.9

Weather skies mostly clear, wind calm, sea calm H_2O Surf. Temp 73°F

Below Mid-Depth____

Port Draghead NA Deflector: ____

Stbd Draghead Rock, rock Deflector: same

~~Port~~ Discharge Screening Rock, shell

Stbd Discharge Screening Butterfly ray, sea pork, trash

Comments: 0500 on the way to the cut

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: Eric Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/28/97

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

LOAD # 117 Times: Start 1000 End 1100 Dump 1215

Location(lat/long) Sta 400+00-465+00 Tide 1.4

Weather skies clear, winds calm, seas calm H_2O Surf. Temp____

Below Mid-Depth____

Port Draghead NA Deflector: NA

Stbd Draghead Rock, tire, rope Deflector: same

~~Port Discharge~~ Inflow Screening Rock, shell, mud, trash, cable

~~Stbd Discharge~~ Overflow Screening Blue crab, sea Pork, trash, butterfly ray

Comments: 27° 36. 419N
082° 50. 183.W
small in size
Just east buoys 11-12
right before the cut area.
25 feet of the Port Bow
Probable loggerhead or green
Sight Posterior half Diving south.
First sighted by Mate Jason then observer.
27° 36 395N sight by Pipeman, said
082 50. 525W was probably a loggerhead.
observer writing data at the time and did not sight the turtle.

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
unidentified turtle	1	1006	Just east of the start of the cut.
unidentified turtle	1	1013	In cut area, red toe line, dove N.

Observer(s) On Duty: ERIC Westerman/Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/28/97

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

LOAD # 118 Times: Start 1315 End 1445 Dump 1555

Location(lat/long) Stations 334+00 to 468+00 Tide 2.2

Weather Skies clear, winds + seas calm H_2O Surf. Temp____

Below Mid-Depth____

Port Draghead NA Deflector: NA

Stbd Draghead rock, shrimp net Deflector: same

Inflow
~~Port Discharge~~ Screening Rock, shell, mud

Overflow
~~Stbd Discharge~~ Screening sponges, sea pork, tunicates, blue crab, southern sting ray, skate, plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: E. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3 /28/97

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

LOAD # 119 Times: Start 1705 End 1830 Dump 1935

Location(lat/long) Stations 400 to 468 etc Tide 1.4

Weather skies clear, seas + winds calm H_2O Surf.Temp 73°F 1825

Below Mid-Depth_____

Port Draghead NA Deflector: NA

Stbd Draghead rock Deflector: Jim

~~Port Discharge~~ Inflow Screening rock, shell

~~Stbd Discharge~~ Overflow Screening sea pork, sponges, plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/28/97

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

LOAD # 120 Times: Start 2040 End 2221 Dump 2330

Location(lat/long) Stations 400+00 to 468+00 Tide -.45

Weather skies clear, seas + wind calm H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead NA Deflector: NA

Stbd Draghead rock bkt Deflector: Sam

~~Port Discharge~~ Inflow + Catwalk Screening Rock

~~Stbd Discharge~~ Overflow Screening sea pork, sponges, plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder/Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/29/97

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

LOAD # 121 Times: Start 0105 End 0250 Dump 0300

Location(lat/long) Sta 400-465 Tide 1.1

Weather clear, winds W-SW 4-6 KNOTS H_2O Surf. Temp 74°F

Below Mid-Depth____

Port Draghead NA Deflector: ____

Stbd Draghead Rock, grate, Anchor chain Deflector: same

Port Discharge Screening Inflow

Stbd Discharge Screening Overflow Sea Park, trash

Comments: At anchor 0630 for repairs. cleaned mid and port inflow baskets.

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: Eric Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3 / 29 / 97

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

LOAD # 122 Times: Start 1335 End 1710 Dump 1815

Location(lat/long) Stations 334+00 to 400+00 Tide Ebb

Weather Skies partly cloudy, seas 2-4' chop, winds N 10-15 kt H_2O Surf. Temp 74° @ 1640

Below Mid-Depth NA

Port Draghead NA - Repairs ongoing Deflector: NA

Stbd Draghead rebar Deflector: Jmt

~~Port Discharge~~ Inflow Screening Shell, rock, mud

~~Stbd Discharge~~ Overflow Screening plastic debris

Comments: Left anchorage @ 1500

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/29/97

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

LOAD # 123 Times: Start 1925 End 2110 Dump 2220

Location(lat/long) Stations 400+00 to 468+00 Tide Ebbing

Weather Skies partly cloudy, seas 2-4' chop, wind N 10-15 kt H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead NA Deflector: NA

Stbd Draghead rope, tire Deflector: Same

~~Port Discharge~~ Inflow Screening rocks, shell, mud

~~Stbd Discharge~~ Overflow Screening sea pork, whelk egg cases, plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3 130197

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

LOAD # 124 Times: Start 0020 End 0205 Dump 0315

Location(lat/long) stg 400-468 Tide 1.2 9

Weather mostly clear, wind S-SW 5-8 H_2O Surf. Temp 74°F

Below Mid-Depth NA

Port Draghead Fire, rope Deflector: OK

Stbd Draghead Pipe, fire Deflector: Same

Port ~~Discharge~~ Screening inflow Rock

Stbd ~~Discharge~~ Screening overflow sea pork trash

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: Don Watson

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/30/97

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

LOAD # 125 Times: Start 0435 End 0615 Dump 0725

Location(lat/long) Sta 400+00 - 344+00 Tide 1.1

Weather Partly cloudy, winds calm, Sea state calm H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead Rock Deflector: OK

Stbd Draghead Rock Deflector: Same

Port ~~Discharge~~ Inflow Screening Rock

Stbd ~~Discharge~~ Overflow Screening See Rock trash

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
~~0~~			

Observer(s) On Duty: Eric Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3 130197

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

LOAD # 128 Times: Start 1705 End 1820 Dump 1940

Location(lat/long) Stations 400+00 & 468+00 Tide 1.86

Weather Skies clear, seas calm, winds SW 3-5 kt H_2O Surf.Temp 74° @ 1815

Below Mid-Depth____

Port Draghead rock, tire Deflector: ok

Stbd Draghead rock Deflector: same

Port Discharge Screening shell, rock

Stbd Discharge Screening blue crabs, tunicates, sponges, sea pork, sea weeds, wood, plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/30/97

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

LOAD # 129 Times: Start 2105 End 2235 Dump 2355

Location(lat/long) Stations 400+00 to 468+00 Tide .12

Weather skies clear, seas 1', winds light H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead rock Deflector: ok

Stbd Draghead rock Deflector: same

~~Port Discharge~~ Inflow Screening Rock

~~Stbd Discharge~~ Overflow Screening 2 butterfly rays, sea pork, tunicates, mantis shrimp, blue crab, dorsal fin of 3-4' shark with intestines attached and 4 separate pieces of intestinal integument

Comments: Intestinal samples appear to be associated with take of fresh unidentified shark. Intestinal remnants attached to carcas are similar in color, composition and texture to that of the separate lengths of intestine and gut also found in the overflow.

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Ø			

Observer(s) On Duty: G. Ryder / Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/31/97

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

LOAD # 130 Times: Start 0120 End 0240 Dump 0350

Location(lat/long) sta 334-400 Tide .8

Weather clear, windslight airs sea calm H_2O Surf. Temp ____

Below Mid-Depth ____

Port Draghead Rock Deflector: OK

Stbd Draghead Rock Deflector: Same

~~Port~~ Inflow Discharge Screening Rock

~~Stbd~~ Overflow Discharge Screening Trash, sea Pork

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/31/97

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

LOAD # 131 Times: Start 0500 End 0630 Dump 0745

Location(lat/long) 400-468 Tide 1.3

Weather Mostly clear, drizzel, winds WNW 4 kts H_2O Surf. Temp 75°F

Below Mid-Depth_____

Port Draghead Rock, fine Deflector: couple of

Stbd Draghead Rock Deflector: chains broke on both TED's

Port ~~Discharge~~ Overflow Screening Rock

Stbd ~~Discharge~~ overflow Screening sea pork, trash, sponge

Comments: winds picking up.

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
✓			

Observer(s) On Duty: Eric Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/31/97

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

LOAD # 132 Times: Start 0905 End 1110 Dump 1220

Location(lat/long) sta 400-468 Tide 1.2

Weather cloudy, winds N-NW 15 knots, seas 5-6' H_2O Surf. Temp ____

Below Mid-Depth ____

Port Draghead crab traps, rock Deflector: some

Stbd Draghead line, chain, rock, crab trap Deflector: some

Port ~~Discharge~~ Screening ~~surface~~ shellrock

Stbd ~~Discharge~~ Screening ~~surface~~ sea pork, trash, seaweed, butterfly ray

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: ERIC Westerman / Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/31/97

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

LOAD # 133 Times: Start 1340 End 1535 Dump 1650

Location(lat/long) Stations 400+00 & 468+00 Tide .89

Weather skies clear, seas 4-6', winds NW 20-25 kt H_2O Surf.Temp 76°F

Below Mid-Depth____

Port Draghead tines Deflector: ok

Stbd Draghead rock Deflector: same

Inflow
~~Port Discharge~~ Screening rock, shell

Overflow
~~Stbd Discharge~~ Screening wood, plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

3/31/97

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

LOAD # 134 Times: Start 1805 End 1955 Dump 2110

Location(lat/long) Stations 400+00 & 468+00 Tide 1.2

Weather skies partly cloudy, seas 4'-6', wind NW 20-25 kt diminishing H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead tires, rock Deflector: ok

Stbd Draghead rock, tires, rope, cable Deflector: same

~~Port Discharge~~ Inflow Screening rock, shell

~~Stbd Discharge~~ Overflow Screening sponges, soft corals, blue crab, tunicates, wood, plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/1/97

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

LOAD # 135 Times: Start 2210 End 0030 Dump 0135

Location(lat/long) Stations 334+00 to 400+00 Tide .59

Weather skies clear, seas 3-5', wind NW 10-15 kt H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead Rock, tire Deflector: one or two mat chains broke.

Stbd Draghead Rock, Rope Deflector: same

Port ~~Discharge~~ Screening Rock

Stbd ~~Discharge~~ Screening Trash, sea pork, seaweeds

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
X			

Observer(s) On Duty: C. Ryder, E. Workman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/1/97

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

LOAD # 136 Times: Start 0250 End 0520 Dump 0630

Location(lat/long) stu 400-468 Tide .2

Weather Partly cloudy, winds N-NE 9-13 knots Seas 3-5 H_2O Surf. Temp 73°F

Below Mid-Depth ____

Port Draghead Rock, tire Deflector: same

Stbd Draghead Rock Rope Deflector: same

~~Port~~ Inflow Discharge Screening Rock

~~Stbd~~ overflow Discharge Screening Sea Pork, trash, whelk egg case

Comments: Drags cleaned once during the load.

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: ERIC Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/1/97

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

LOAD # 137 Times: Start 0810 End 0935 Dump 1040

Location(lat/long) sta 400-468 Tide 0.2

Weather Partly cloudy, winds NE 15-20 knots, Seas 2-5' H_2O Surf. Temp ____

Below Mid-Depth ____

Port Draghead Rock Deflector: Pin out, repaired

Stbd Draghead Rock, cable Deflector: Same

~~Port Discharge~~ Inflow Screening Rock, cable

~~Stbd Discharge~~ overflow Screening Sea Pork, trash, blue crab, seaweeds

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
∅			

Observer(s) On Duty: ERIC Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/1/97

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

LOAD # 138 Times: Start 1205 End 1415 Dump 1525

Location(lat/long) STG 400-468 Tide 0.5

Weather Partly cloudy, wind NE 15 knots H_2O Surf. Temp 73°F @1310

Below Mid-Depth____

Port Draghead rock Deflector: Chain mesh

Stbd Draghead rock Deflector: Chain mesh

~~Port~~ Inflow Discharge Screening

Stbd Overflow Discharge Screening sea pork, soft corals, sponges, wood, plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: Westerman/Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/1/97

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

LOAD # 139 Times: Start 1648 End 1850 Dump 1955

Location(lat/long) Stations 400+00 to 468+00 Tide 1.6

Weather Skies overcast, seas 2-4', wind NE 10-15 KT H_2O Surf.Temp _____

Below Mid-Depth _____

Port Draghead rock, tree Deflector: chain mesh

Stbd Draghead Ø Deflector: chain mesh

~~Port Discharge~~ Inflow Screening rock, shell, dolly varden crab, sponge

~~Stbd Discharge~~ Overflow Screening sponges, soft corals, sea pork, plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Ø			

Observer(s) On Duty: C. Ryder

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/2/97

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

LOAD # 140 Times: Start 2100 End 2310 Dump 0005

Location(lat/long) Stations 334+00 to 400+00 Tide -.87

Weather skies partly cloudy, seas 2-3', winds NE 5-10 kt H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead rope, rock, tire, wire Deflector: chains

Stbd Draghead rock, wire, rope Deflector: chains

~~Port Discharge~~ Inflow Screening Rock

~~Stbd Discharge~~ Overflow Screening whelk egg cases, blue crabs, horseshoe crab, butterfly ray, sponge, soft corals, sea pork, sea weeds, wood, plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
∅			

Observer(s) On Duty: C. Ryder/Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

412197

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

LOAD # 141 Times: Start 0140 End 0410 Dump 0510

Location(lat/long) sta 400-468 Tide -0.2

Weather partly cloudy, wind E 10-15 knots H_2O Surf. Temp 72°F

Below Mid-Depth ____

Port Draghead Rock, tires Deflector: ____

Stbd Draghead Rock, tires, trash Deflector: SCOW

Port ~~Discharge~~ Effluent Screening Rock

Stbd ~~Discharge~~ Overflow Screening SCG Pork, whelk egg cases, trash

Comments: ____

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: Eric Westerman

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/2/97

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

LOAD # 142 Times: Start 0635 End 0855 Dump 1005

Location(lat/long) Sta 400-468 Tide 0.7

Weather Partly cloudy, winds E is 20 knots, Seas 2-3 H_2O Surf. Temp ____

Below Mid-Depth ____

Port Draghead Rock, tire, cable Deflector: Same

Stbd Draghead Rock, crab trap Deflector: ____

~~Port~~ Inflow Discharge Screening Rock, cable

~~Stbd~~ Overflow Discharge Screening Sea pork, trash, sponge, whelk egg case sampled more than usual debris

Comments: minor welding done to the starboard outside TED P.D.

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
✓			

Observer(s) On Duty: ERIC Westerman

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/2/97

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

LOAD # 143 Times: Start 1120 End 1350 Dump 1440

Location(lat/long) stg 400-468 Tide 1/2

Weather Partly cloudy, winds E 12-14 knots, Seas 2-3 H_2O Surf. Temp____

Below Mid-Depth____

Port Draghead rock Deflector: ok

Stbd Draghead 0 Deflector: ok

Port ~~Discharge~~ overflow Screening rock, shell

Stbd ~~Discharge~~ overflow Screening sea pork, whelk egg cases, seaweed, plastic

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: Westerman / Ryder

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/2/97

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

LOAD # 144 Times: Start 1555 End 1755 Dump 1900

Location(lat/long) Stations 400+00 to 468+00 Tide 1.6

Weather skies party cloudy, seas 2-3', wind E 7-12 Kt H_2O Surf. Temp 73°F @ 1700

Below Mid-Depth ____

Port Draghead Rock, tire Deflector: ok

Stbd Draghead Rock, tire Deflector: ok

~~Port Discharge~~ Inflow Screening Rock, shell

~~Stbd Discharge~~ Overflow Screening sea pork, flounder, butterfly rays, sponges, seaweeds, wood, plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/2/97

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

LOAD # 145 Times: Start 2000 End 2220 Dump 2320

Location(lat/long) Hutchins 334°/6 700°° Tide 1.5

Weather skies partly cloudy, seas 2-3', wind E 10-15kt H_2O Surf.Temp 73°F @ 2010

Below Mid-Depth ____

Port Draghead rock Deflector: ok

Stbd Draghead rock, tire Deflector: ok

~~Port Discharge~~ Inflow Screening rock, shell, mud, trash, sponges

~~Stbd Discharge~~ Overflow Screening sponges, soft corals, sea pork, tunicates, seaweeds, wood, plastic debris

Comments: Loggerhead specimens from loads #58 and #64 and unidentified intestines from loads #101 and #102 disposed of at disposal area at the completion of this load

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/3/97

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

LOAD # 146 Times: Start 0105 End 0330 Dump 0440

Location(lat/long) STG 400-468 Tide -0.3

Weather Clear, winds E 15 knots, sea 2-3 H_2O Surf. Temp 72°F

Below Mid-Depth ____

Port Draghead Rock, cable Deflector: Same

Stbd Draghead Rock, tire, cable Deflector:

~~Port~~ Inflow Discharge Screening Rock

~~Stbd~~ Overflow Discharge Screening sea pork, whelk egg case, sponge, trash

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Ø			

Observer(s) On Duty: ERIC Westerman

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

41397

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

LOAD # 142 Times: Start 0605 End 0814 Dump 0935

Location(lat/long) Stg 400-468 Tide 0.8

Weather Partly cloudy, winds E 15 knots H_2O Surf. Temp 66°F

Below Mid-Depth ____

Port Draghead Rock, crab trap Deflector: OK

Stbd Draghead Tire, rock Deflector: OK

~~Port~~ Discharge Screening Rock

~~Stbd~~ Discharge Screening Beer can, seaweed, trash, sponge

Comments: ____

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: Eric Westermark

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

41397

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

LOAD # 148 Times: Start 1100 End 1315 Dump 1425

Location(lat/long) Sta 400-468 Tide 1.5

Weather skies partly cloudy, winds 6-12 knots, SE H_2O Surf.Temp 32°

Below Mid-Depth ____

Port Draghead rock Deflector: ok

Stbd Draghead rock Deflector: ok

Port Discharge Screening rock, shell

Stbd Discharge Screening sea pen, butterfly ray, plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: Westerman/Snyder

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4 13 97

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

LOAD # 149 Times: Start 1610 End 1820 Dump 1920

Location(lat/long) Stations 334 to 468 Tide 1.2

Weather Skies mostly cloudy, seas 2-3', winds E 10-12 kt H_2O Surf. Temp 72°F @ 1620

Below Mid-Depth ____

Port Draghead rock Deflector: ok

Stbd Draghead rock, rope, tire Deflector: ok

~~Port Discharge~~ Inflow Screening rock, shell, mud, sponges

~~Stbd Discharge~~ Overflow Screening Flounder, blue crab, lady crab, sea pork, plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4 13 197

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

LOAD # 150 Times: Start 2035 End 2315 Dump 0025

Location(lat/long) Stations 400+00 & 468+00 Tide 2.2

Weather Skies partly cloudy, seas 2-3', wind E 7-12 kt H_2O Surf.Temp ____

Below Mid-Depth ____

Port Draghead rock, tire, rug Deflector: ok

Stbd Draghead clay, rock, rope Deflector: ok

~~Port Discharge~~ Inflow Screening Rock

~~Stbd Discharge~~ Overflow Screening southern stingray, sea pork, sponges, plastic debris

Comments: ____

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder / Westermon

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/4/97

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

LOAD # 151 Times: Start 0155 End 0430 Dump 0545

Location(lat/long) sta 400 - 468 Tide .5

Weather Partly cloudy, winds E 80-15 knots SEG 2-4 H_2O Surf. Temp 72°F

Below Mid-Depth ____

Port Draghead Rock Deflector: OK

Stbd Draghead Rocky tire Deflector: OK

Port ~~Discharge~~ Inflow Screening Rock

Stbd ~~Discharge~~ overflow Screening seaPork, whelk egg case, seaweeds trash

Comments: bow thruster used at 200-203

Tied up at 1000.

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Ø			

Observer(s) On Duty: Eric Westerman

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/~~4~~/97

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

LOAD # 152 Times: Start 0155 End 0430 Dump 0545

Location(lat/long) Sta 337-468 Tide 0.7

Weather Partly cloudy, wind SE 10-15 knots H_2O Surf. Temp 65.35

Below Mid-Depth ____

Port Draghead Rock, tire, Rope Deflector: OK

Stbd Draghead Rock, tires Deflector: OK

~~Port~~ Discharge Screening inflow Rock

~~Stbd~~ Discharge Screening overflow Seaperk, trash, whelk egg cases, sponges

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Ø			

Observer(s) On Duty: ERIC Westerman

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/5/97

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

LOAD # 153 Times: Start 0710 End 1605 Dump 1110

Location(lat/long) STG 337 - 468 Tide 1.6

Weather Partly cloudy, winds SE 15-20 knots H_2O Surf. Temp 73°F

Below Mid-Depth ____

Port Draghead Rock, rope Deflector: OK

Stbd Draghead Rock, rope Deflector: OK

~~Port~~ Inflow Discharge Screening Rock

~~Stbd~~ Overflow Discharge Screening Sea Pork, seaweeds, whelk eggs, misc trash

Comments: ____

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: Eric Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *STUYVESANT* - Tampa Bay, FL

USACE, Jacksonville District

41597

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

LOAD # 154 Times: Start 1230 End 1405 Dump 1745

Location(lat/long) Sta 337 - 468 Tide 1.3

Weather Skies clear, seas 3-5', wind SE 15-20kt H_2O Surf. Temp 73°F

Below Mid-Depth ____

Port Draghead rope, rock Deflector: in board chain broken

Stbd Draghead rock Deflector: ok

~~Port~~ Discharge Screening rock, shell

~~Stbd~~ Discharge Screening sponges, sea pork, butterfly ray, southern stingray

Comments: Int Egmnt anchor @ completion of load # 1st stern anchor

Delay in dumping load

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/5/97

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

LOAD # 155 Times: Start 1855 End 2040 Dump 2140

Location(lat/long) Stations 337-468 Tide 2.1

Weather skies partly cloudy, seas 2', winds SE 10-15 kt H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead nothing Deflector: top is most inboard

Stbd Draghead rock, rope Deflector: ok

Inflow
~~Port Discharge~~ Screening rock, shell, mud

Overflow
~~Stbd Discharge~~ Screening Full load of sandpark

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/6/97

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

LOAD # 156 Times: Start 2300 End 0140 Dump 0345

Location(lat/long) Stations 337+00 to 468+00 Tide 2.5

Weather Skies clear, seas 2-4', wind SE 5-10 kt H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead Rock Deflector: OK

Stbd Draghead Rock Deflector: OK

~~Port Discharge~~ Inflow Screening Rock

~~Stbd Discharge~~ Overflow Screening Sea Pork, seaweed, trash, whole eggcase

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: C. Ryder, E. Westerman

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/6/97

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

LOAD # 157 Times: Start 0513 End 0415 Dump 0920

Location(lat/long) Sta 337+468 Tide 1.5

Weather Partly cloudy, winds SE 10 knots, SE 6-2-4 H_2O Surf. Temp 73°F

Below Mid-Depth ____

Port Draghead Tire, Rock, cable Deflector: main support shackle broke and repaired right away

Stbd Draghead not used, under repairs Deflector: ____

~~Port Discharge Screening~~ Inflow Rock

~~Stbd Discharge Screening~~ Overflow Sea Dark, trash, seaweed

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: ERIC Westerman

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/6/97

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

LOAD # 158 Times: Start 1030 End 1320 Dump ____

Location(lat/long) Sta 337+468 Tide 2.0

Weather Partly cloudy, winds SE 15 knots, sea 2-4' H_2O Surf. Temp 73°F @ 1230

Below Mid-Depth ____

Port Draghead netting Deflector: ok

Stbd Draghead NA working on Pump Deflector: NA

~~Port Discharge~~ Inflow Screening mud, rock, shell

~~Stbd Discharge~~ Overflow Screening Sea pork, trash

Comments: Bow thruster 1033 to 1034
station est 385+00
Dredge to Egmont anchorage at end of load to work on STBD dredge pump

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: Westerman/Ryder

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/16/97

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

LOAD # 159 Times: Start 1720 End 2000 Dump 2110

Location(lat/long) Stations 337+00 to 468+00 Tide 1.3

Weather Skies partly cloudy, seas ~2', winds SE 10-15 kt H_2O Surf. Temp ____

Below Mid-Depth ____

Port Draghead fire rock, plastic debris Deflector: ok

Stbd Draghead NA - Repairs Deflector: NA

~~Port Discharge~~ Inflow Screening rock, shell, mud

~~Stbd Discharge~~ Overflow Screening sea port, plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Tt	3	1730	Adjacent to buoy #6

Observer(s) On Duty: C. Ryder

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/7/97

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

LOAD # 160 Times: Start 2220 End 2345 Dump ____

Location(lat/long) Stations 337+00 & 468+00 Tide 2.3

Weather skies pretty cloudy, seas 2-3, wind SE 5-10 kt H_2O Surf.Temp 73° @ 2300

Below Mid-Depth ____

Port Draghead Tire, crab trap Deflector: OK

Stbd Draghead NA Deflector: NA

~~Port Discharge~~ Inflow Screening ROCK

~~Stbd Discharge~~ Overflow Screening sea pork, whelk egg case, trash

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder, E. Heckerman

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4,7,97

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

LOAD # 161 Times: Start 0020 End 0515 Dump 0620

Location(lat/long) stg 337 + 486 Tide 1.8

Weather cloudy, light rain winds S-SE & H_2O Surf. Temp 73°F

Below Mid-Depth ____

Port Draghead Rock Deflector: OK

Stbd Draghead N/A Deflector: ____

Port ~~Discharge~~ Screening Rock overflow

Stbd ~~Discharge~~ Screening Sea Rock, Trees overflow

Comments: ____

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: ERIC Wetermel

[illegible] SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/7/97

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

LOAD # 162 Times: Start 0735 End 1100 Dump 1205

Location(lat/long) Sta 337+486 Tide 0.9

Weather cloudy, winds S-SE 5-8 knots SEAS H_2O Surf. Temp ____

Below Mid-Depth ____

Port Draghead Tires, rock, crab trap Deflector: OK

Stbd Draghead NA Deflector: NA

Port ~~Discharge~~ Inflow Screening rock, shell, mud, skate

Stbd ~~Discharge~~ overflow Screening seaPork, mantis-shrimp, blue crab, whelk eggcase sponges, trash

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: ERIC Westerman / Ryder

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *STUYVESANT* - Tampa Bay, FL

USACE, Jacksonville District

4/7/97

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

LOAD # 163 Times: Start 1325 End 1530 Dump 1630

Location(lat/long) Stations 337+00 to 486+00 Tide 2.3

Weather Skies hazy, seas 1-2', wind SE 5kt H$_2$O Surf.Temp 73° @ 1500

Rain Below Mid-Depth ____

Port Draghead Rock, rope, tires Deflector: ok

Stbd Draghead NA Deflector: NA

~~Port Discharge~~ Inflow Screening rock, shell, mud

~~Stbd Discharge~~ Overflow Screening sea pork, sponges, plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Tt	4	1515	Outside Channel @ #9
Tt	~20	1630	In wake of dredge approaching disposal area

Observer(s) On Duty: C. Ryder

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/7/97

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

LOAD # 164 Times: Start 1740 End 2000 Dump 2110

Location(lat/long) Stations 337+00 to 468+00 Tide .2

Weather skies partly cloudy, seas 1', wind calm H_2O Surf.Temp____

Below Mid-Depth ____

Port Draghead on deck @ 1850 ⊖ rock, rope, tire @ end of load Deflector: ok

Stbd Draghead NA Deflector: NA

~~Port Discharge~~ Inflow Screening mud, rock, shell

~~Stbd Discharge~~ Overflow Screening sea pork, sponges, plastic debris

Comments: Port arm damaged during load. STBD arm repaired

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Tt	2	1830	Off Tide gauge marker

Observer(s) On Duty: C. Ryder

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4 18 97

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

LOAD # 165 Times: Start 2236 End 0125 Dump 0270

Location(lat/long) Stations 337+00 to 468+00 Tide 1.3

Weather Partly cloudy, seas 1', winds light H_2O Surf.Temp 73°F to 2240

Below Mid-Depth

Port Draghead NA - draghead broken Deflector: NA

Stbd Draghead Palm tree, ROCK Deflector: OK

~~Port Discharge~~ Inflow Screening

~~Stbd Discharge~~ Overflow Screening seaweed, trash

Comments: STBD dredge pump repaired - digging w/ STBD arm again
Port arm down for repairs

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: C. Ryder, E. Ulstrom

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

418197

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

LOAD # 166 Times: Start 0340 End 0745 Dump 0845

Location(lat/long) stg 337+468 Tide L S

Weather skies mostly clear, winds N-NW 8-15 kts H_2O Surf.Temp 73°F

Below Mid-Depth ____

Port Draghead NA Deflector: ____

Stbd Draghead Rope, tire, rock Deflector: OK

Port Discharge Screening Rock, Palm tree, shell

Stbd Discharge Screening Sea oak, trash, shrimp egg case

Comments: ____

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: ERIC Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *STUYVESANT* - Tampa Bay, FL

USACE, Jacksonville District

4/8/97

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

LOAD # 167 Times: Start 0950 End 1135 Dump 1235

Location(lat/long) Stg 337+468 Tide 1, 2

Weather Partly cloudy, winds N-NE 18-22 kts H_2O Surf. Temp 83-84°F

Below Mid-Depth

Port Draghead NA Deflector:

Stbd Draghead Cloth, Rock Deflector: OK

Port Discharge Screening Rock, shell, mud

Stbd Discharge Screening Stg Rock, trash, whelk egg-cases

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: Western/Ryder

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *STUYVESANT* - Tampa Bay, FL

USACE, Jacksonville District

7/8/97

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

LOAD # 168 Times: Start 1400 End 1555 Dump 1650

Location(lat/long) Stations 337+00 to 468+00 Tide 1.7

Weather Skies mostly cloudy, seas 2-3', wind NE 5-10kt H_2O Surf.Temp 74°F @ 1430

Below Mid-Depth____

Port Draghead NA Deflector: NA

Stbd Draghead rope, rock Deflector: ____

~~Port Discharge~~ Inflow Screening bat, shell, mud, spider crab

~~Stbd Discharge~~ Overflow Screening sea pork, sponges, whelk egg cases, plastic

Comments: ____

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *STUYVESANT* - Tampa Bay, FL

USACE, Jacksonville District

4/18/97

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

LOAD # 169 Times: Start 1825 End 2030 Dump 2135

Location(lat/long) Stations 337+00 to 468+00 Tide .3

Weather skies mostly cloudy, seas 2-3', winds NE 5-10 kt H_2O Surf. Temp 74°F @ 1830

Below Mid-Depth ____

Port Draghead NA Deflector: NA

Stbd Draghead ~~Ø~~ Deflector: ok

~~Port Discharge~~ Inflow Screening shell, rock

~~Stbd Discharge~~ Overflow Screening sea park, plastic

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
~~Ø~~			

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

04 / 09 / 97

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

LOAD # 170 Times: Start 2255 End 0150 Dump 0250

Location(lat/long) Stations 337+00-468+00 Tide 0.92

Weather Skies cloudy, Winds NE 5-8 knots, Seas 2'-3 H_2O Surf.Temp 74°F

Below Mid-Depth

Port Draghead Not being used, under repairs Deflector: NA

Stbd Draghead Loggerhead, cable, rocks Deflector: OK

Inflow
~~Port Discharge~~ Screening Rock, shell

Overflow
~~Stbd Discharge~~ Screening Intestine, sea pork, whelk egg case, trash, butterfly ray

Comments: Large adult female loggerhead was found hanging in the inner side of the draghead. About 65% of the carapace and all the major organs and intestines were missing. 49 cm of intestine was found in the overflow. The posterior portion of the carapace had 14 barnacles on it. The anterior flipper had numerous small barnacles on it. The fore flipper measured 40 cm by 14 cm. The tail was measured at 13.5 cm. The turtle was photographed in the draghead and both ventral and dorsal sides. The turtle will be weighed down and disposed of at the disposal site.

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
			No sightings

Eric Westerman, Cheryl Ryder

Observer(s) On Duty:

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge *STUYVESANT* - Tampa Bay, FL

USACE, Jacksonville District

04 / 09/ 97

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

LOAD # 171 Times: Start 0430 End 0835 Dump 0935

Location(lat/long) Stations 337+00-468+00 Tide 0.9

Weather Skies cloudy, Winds NE 7 knots, Seas 2'-3' H_2O Surf.Temp 74°F

Below Mid-Depth ____

Port Draghead Not used, under repairs Deflector: ____

Stbd Draghead Rope Deflector: ok

Port ~~Discharge~~ Inflow Screening Decomposed loggerhead fore right flipper, rock, shell, trash

Stbd ~~Discharge~~ Overflow Screening Sea pork, trash

Comments: Bow thruster used 800-801 station 400est.
Loggerhead turtle sighted next to buoy 9 in the cut.
Sighted 0821, large in size, dove N away from dredge.
27°36.233N, 082°52.099W, dragarm was about 60 feet behind the turtle.
Observer went into the inflow baskets to check for any remains of the Cc incident from load 170. In the aft inflow basket on the starboard side a badly decomposed fore flipper of a loggerhead was sampled.
Incident from load 170 buried with some anchor chain at the disposal area.

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Cc	1	0821	In the cut, next to buoy 9.

Eric Westerman

Observer(s) On Duty: ____

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4 19 197

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

LOAD # 172 Times: Start 1050 End 1215 Dump 1320

Location(lat/long) Hubbins 337°00 to 468°00 South Tide 2.1

Weather Skies overcast, rain showers, seas 1-2', wind NE 5kt H_2O Surf.Temp ____

Below Mid-Depth ____

Port Draghead NA Deflector: NA

Stbd Draghead Rock Deflector: ok

~~Port Discharge~~ Inflow Screening rock, shell, rope debris

~~Stbd Discharge~~ Overflow Screening sea pork, sponges, whelk egg cases, plastic debris

Comments: Box remains thoroughly examined.
Dredge to Egmont Key Anchorage at end of load to repair STBD arm
At anchorage 1545

Water T @ Anchorage 1600 75° @ surface
Depart Anchorage @ 2030 74° Below mid-depth

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: E. Westerman, C. Ryder

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/10/97

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

LOAD # 173 Times: Start 2140 End 0000 Dump 0100

Location(lat/long) Stations 337+00 to 468+00 Tide .3

Weather skies overcast, seas 2-3', wind NNW 5-10 kt H_2O Surf.Temp 73°F @ 2210

Below Mid-Depth ____

Port Draghead NA Deflector: NA

Stbd Draghead on deck @ 2217 ~~0~~, Rock, rope Deflector: OK

~~Port Discharge~~ Inflow Screening ROCK

~~Stbd Discharge~~ Overflow Screening Sea Pork / Trash

Comments: ____

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
			Ø

Observer(s) On Duty: C. Ryder / Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/10/97

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

LOAD # 174 Times: Start 0215 End 0455 Dump 0555

Location(lat/long) Sta 337+00-468+00 Tide 1.1

Weather cloudy, winds E 10-15 knots, sea 2-3 H_2O Surf.Temp 72°F

Below Mid-Depth ____

Port Draghead NA Deflector: ____

Stbd Draghead Rock, tire Deflector: OK

Port Discharge Screening inflow Rock

Stbd Discharge Screening overflow Sea Pork, blue crab, trash

Comments: At Rock 0900

To Port Manatee for repairs at end of load. Arrive 0900. Depart port @ 2200 hours

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Ø			Ø

Observer(s) On Duty: ERIC Westerman

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/11/97

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

LOAD # 175 Times: Start 0000 End 0245 Dump 0351

Location(lat/long) Stations 337+00 to 468+00 Tide A

Weather Skies partly cloudy, wind E 9-15 kt, seas 2-3' H_2O Surf. Temp 73°F

Below Mid-Depth ____

~~Port Draghead~~ NA ____ Deflector: NA

Stbd Draghead Rock, tire, cable, rope Deflector: ____

~~Port Discharge~~ Inflow Screening ____

~~Stbd Discharge~~ Overflow Screening Sea Pork, butterfly rays 3, brash

Comments: Bow thruster used 0100-0102 sta 425 est

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
			X

Observer(s) On Duty: C. Ryder, E. Westerman

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/11/97

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

LOAD # 176 Times: Start 0505 End 0735 Dump 0840

Location(lat/long) Sta 337+468 Tide 1.5

Weather cloudy, wind E-SE 15 knots H_2O Surf. Temp 56.2 °F

Below Mid-Depth ____

Port Draghead NA Deflector: ____

Stbd Draghead Tire, Rock, rope Deflector: OK

~~Port Discharge~~ Inflow Screening Rock, tire

~~Stbd Discharge~~ Overflow Screening Sea Pork, whelk egg cases, trash

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
			Ø

Observer(s) On Duty: Eric Westerman

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/11/97

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

LOAD # 177 Times: Start 1015 End 1425 Dump 1530

Location(lat/long) Sta 337+468 Tide 1.7 (2.6)

Weather Cloudy, winds ESE 15-20 knots, Sea 2-4 H_2O Surf. Temp 73° @ 1325

Below Mid-Depth ____

Port Draghead NA Deflector: NA

Stbd Draghead rock Deflector: ok

~~Port~~ Inflow Discharge Screening rock, shell

~~Stbd~~ Overflow Discharge Screening sea pork, sponges, plastic debris

Comments: Bow thruster 1036-1039
Putting on draghead
Drag cleaned once, rock
dredge goes into anchorage area
to put on draghead.
Bow thrust outside project zone
in the anchorage area. on and from
1120-

Depart anchorage to resume load at 1200

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
Tt	4	1205	In Channel by Range Marker

Observer(s) On Duty: Westerman/Ryder

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/11/97

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

LOAD # 178 Times: Start 1655 End 1900 Dump 2005

Location(lat/long) Stations 337+00 to 468+00 Tide 2.3

Weather overcast, showers, seas 2-4', wind SE 20kt H_2O Surf.Temp____

Below Mid-Depth____

Port Draghead NA Deflector: NA

Stbd Draghead rope, rock, tire Deflector: ok

Inflow
~~Port Discharge~~ Screening rock, shell, mud

Overflow
~~Stbd Discharge~~ Screening seapork, plastic debris

Comments: Thrusting through turn
1839 - 1844
@ Station 413

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
⊘			

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/12/97

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

LOAD # 179 Times: Start 2115 End 2350 Dump 0055

Location(lat/long) Stations 337+00 to 468+00 Tide .3

Weather Overcast, rainy, seas 3-5', wind E 20-25 KT H_2O Surf.Temp 73°F to 22°

Below Mid-Depth .

Port Draghead NA Deflector: NA

Stbd Draghead Tires, Rock Deflector: C/C

~~Port Discharge~~ Inflow Screening Rock

~~Stbd Discharge~~ Overflow Screening skate, seaweed, trash

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: C. Ryder E. Ahstrom

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/12/97

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

LOAD # 180 Times: Start 0220 End 0420 Dump 0530

Location(lat/long) Sta 337+468 Tide .3

Weather cloudy, rain, winds SE 15 Wknots Sta 4+6 H_2O Surf. Temp ____

Below Mid-Depth ____

Port Draghead NA Deflector: ____

Stbd Draghead ROCK Deflector: OK

Port ~~Discharge~~ Inflow Screening Rock

Stbd ~~Discharge~~ Overflow Screening See Pork, Trash

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
			X

Observer(s) On Duty: Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/21/97

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

LOAD # 181 Times: Start 0650 End 0940 Dump 1050

Location(lat/long) Sty 337+468 Tide 1.7

Weather Cloudy, winds SE 15knots, seas 2-4 H_2O Surf.Temp 73°F

Below Mid-Depth ____

Port Draghead NA Deflector: ____

Stbd Draghead Clay, Rock, rope Deflector: OK

~~Port~~ Discharge Screening Rock

~~Stbd~~ Discharge Screening Sea Pork, trash

Comments: Lk Take

REDO

Typed version

Insert

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments

Observer(s) On Duty: ERIC Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

7/12/97

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

LOAD # 182 Times: Start 1200 End 1430 Dump 1540

Location(lat/long) Stations 337+00 to 368+00 Tide 2.4

Weather Skies partly cloudy, seas 2-4', wind SE 10 kt H_2O Surf.Temp 76°F @ 123'

Below Mid-Depth ____

Port Draghead NA Deflector: NA

Stbd Draghead Back, cable Deflector: ok

Port ~~Discharge~~ Inflow Screening rock, shell

Stbd ~~Discharge~~ Overflow Screening sea perch, plastic debris, sea hare

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
CC	1	1210	Large CC in channel near buoy #9, seen @ surface and then dove. Observed as crewboat approached port side, on far side of crewboat ~300' from dredge.

Observer(s) On Duty: C. Prahl

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/12/97

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

LOAD # 183 Times: Start 1705 End 2005 Dump 2110

Location(lat/long) Stations 337+00 to 468+00 Tide 2.0

Weather Skies overcast, seas 2-3', wind N 10 kt H_2O Surf. Temp____

Below Mid-Depth____

Port Draghead NA Deflector: NA

Stbd Draghead rope, rock, tire Deflector: ok

Port Discharge Screening rock, shell, mud

Stbd Discharge Screening plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/13/97

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

LOAD # 184 / 185 / 186 Times: Start 2240 / 0340 / 1015 End 0120 / 0720 / 1355 Dump 0220 / 0840 / 1500

Location(lat/long) Stations 337+00 to 468+00 Tide .9

Weather skies overcast, rain showers, seas 2-4', wind N 10-15 kt H_2O Surf.Temp 75°F
185 cloudy, winds S 15 knots, sea 2-4' Below Mid-Depth NA
186 overcast, winds W-NW 7-10 knots, sea 1-3' 1.2 1.8
Same

Port Draghead NA Deflector: NA

Stbd Draghead cable, rock, tires / 185 anchor chain tire, rock Deflector: OK

~~Port Discharge~~ Inflow Screening Rock, cable 185 Rock trash 186
rock, shell, horseshoe crab (Cleaned after load #186)

~~Stbd Discharge~~ Overflow Screening sea pork, trash, whelk eggs 185 trash
186 sea pork, soft corals, whelk egg cases

Comments: bow thruster 1008-1010 sta 468+00

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
		184	0
		185	0
		186	0

Observer(s) On Duty: C. Ryder, E. Westerman

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/13/97
4/14/97

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

LOAD # 187, 188, 189 (4/14) Times: Start 1415, 2120 (0240) End 1850 (0600) -0025 Dump 1945 (0705) -0125

Location(lat/long) Stations 337+00 to 468+00 Tide 2.1, .6

Weather 187, 188 overcast, seas 2-3', wind NW 5-10 kt H_2O Surf. Temp 75°F @ 2130

Below Mid-Depth NA

Port Draghead NA Deflector: NA

Stbd Draghead #187 Rock, tire #188 Rope, rock, tire #189 Tire, rock Deflector: #187 ok #188 ok #189 ok

~~Port Discharge~~ Inflow Screening #187 Rock, shell, mud
#188 Rock
#189 Rock

~~Stbd Discharge~~ Overflow Screening #187 sea park, plastic debris
#188 Trash
#189 Trash sponge

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
187			
188			
189			

Observer(s) On Duty: C. Ryder, E. Westerman

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/14/97

190 ✓
191 ✓
192 ✓

Are there incidents involving endangered or protected species? Yes_____ No ✓

LOAD # 190 0830 / 191 / 192 Times: Start 0830 / 1420 / 1540 End 1145 / 1720 / 2245 Dump 1250 / 1820 / 2330

Location(lat/long) STA 337+00 - 468+00 Tide 190 0.8 / 191 1.69 / 192 1.1

Weather 190 cloudy, rain, wind NE 25knots, seas 4' / 191 Same / 192 Same H$_2$O Surf.Temp 73°F, 74°F

Below Mid-Depth_____

Port Draghead NA Deflector: NA

Stbd Draghead 190 rocks, 191 cable, 192 rock, tire, cable Deflector: ok, ok, ok

Inflow
Port Discharge Screening 190 Rock, shell, mud
191 Rock, shell
192 ROCK

~~Stbd~~ Discharge Screening 190 sea pork, plastic debris
191 sea pork, plastic debris
192 sea pork, whelk egg cases, plastic debris

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0		190	
0		191	
0		192	

Observer(s) On Duty: Westerman/Ryder

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/15/97

Are there incidents involving endangered or protected species? **Yes** ____ **No** 193 194 195

LOAD # 193 194 195 Times: Start 0055 0650 1235 End 0425 1005 1540 Dump 0525 1110 1640

Location(lat/long) sta 337+00 - 468+00 Tide 0.3 0.9 .72

Weather 193 cloudy, rain, wind NE 20 knots, seas 4' H_2O Surf.Temp 71°F, 72°F
194 cloudy, rain, wind NE 15 knots, seas 4
195 Overcast, seas 3-4', wind NE 15 kt Below Mid-Depth ____

Port Draghead NA Deflector: NA

Stbd Draghead 193 Rock, Rope Deflector: OK, OK, ok
194 Rock
195 Rock

Inflow Port Discharge Screening 193 Rock, trash
194 Rock
195 Rockshell

Overflow Stbd Discharge Screening 193 Trash, sea Pork, horseshoe crab
194 Trash, sea Pork, seaweed
195 Ø

Comments: ____

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
		193	Ø
		194	Ø
		195	Ø

Observer(s) On Duty: Westerman/Ryder

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

19-26

4/15/97
4/16/97

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

LOAD # 196, 197, 198 (4/16) Times: Start 1805, 2320 (0410) End 2045-0155 (0720) Dump 2148-0255 (0820)

Location(lat/long) Station 337+00 / 468+00 Tide .94, .29

Weather Overcast, seas 3-4', wind NE 10-15kt H_2O Surf.Temp 71°F - 71°F

197 - Same
198 Same

Below Mid-Depth ____

Port Draghead NA Deflector: NA

Stbd Draghead rock, rope 197 ROCK - 198 Rock, tire, spider crab Deflector: ok OK OK

Inflow
~~Port Discharge~~ Screening rock, shell, guitarfish in fore box
197 Rock
198 Rock

Overflow
~~Stbd Discharge~~ Screening butterfly ray, southern stingray, plastic debris
197 catfish, trash
198 butterfly ray, trash

Comments: ____

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0			

Observer(s) On Duty: C. Ryder / W. Stoneman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/16/97

Are there incidents involving endangered or protected species? Yes_____ No ✓

LOAD # 199 200 201 Times: Start 0935 1440 1945 End 1230 1725 2220 Dump 1325 1825 2316

Location(lat/long) STG 337+00 - 468+00 Tide 1.2, 1.0, 1.4

Weather 199 cloudy, wind NE 15 kts seas 3' H_2O Surf.Temp 72°F, 72°F

200 Same

201 Overcast, Wind E 15 kt, rain, seas 2-3' → clearing Below Mid-Depth NA

Port Draghead NA Deflector: NA

Stbd Draghead 199 rock, tire, cable, plastic line Deflector: ok, ok, ok

200 rock

201 rock, cable, rope

~~Port~~ Discharge Screening 199 Rock, shell

200 Rock, shell

201 Rock, shell

~~Stbd~~ Discharge Screening 199 Blue crab, plastic debris w/sponge

200 plastic debris

201 plastic debris, wheel case

Comments:

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
0		199	
0		200	
0		201	

Observer(s) On Duty: Westerman/Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/17/97

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

LOAD # 202 203 204 Times: Start 0033 0700 1225 End 0465 1000 1540 Dump 0520 1105 1650

Location(lat/long) Sta 337+00 - 468+00 Tide 0.9 1.7

Weather 202 cloudy, wind E-NE 5-8 knots, sea 2' H_2O Surf.Temp 73°F, 72°F
203 Partly cloudy, winds calm, seas calm Below Mid-Depth ____
204 Partly cloudy winds NW 5 kt, seas 1-2'
↓ 10-15 kt ↓ 4'

Port Draghead NA Deflector: NA

Stbd Draghead 202 Rock, tire Deflector: ok, ok, ok
203 Rock
204 Rock

~~Port~~ Inflow Discharge Screening 202 Rock
203 Rock
204 Rock

~~Stbd~~ Overflow Discharge Screening 202 Trash
203 Trash
204 Ø

Comments: 2

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
			202 Ø
			203 Ø
			204 Ø

Observer(s) On Duty: Westerman/Ryder

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *STUYVESANT* - Tampa Bay, FL
USACE, Jacksonville District

4/17/97
4/18/97

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

LOAD # 205 206 207 Times: Start 1805 0030 0534 End 2140 0300 1100 Dump 2258 0405 NA

Location(lat/long) Stations 337+00 to 468+00 Tide 1.1-1.4 0.9 72°

Weather Skies clear, seas 3-4', wind NW 15-20 Kt 206 Partly cloudy, winds NW 20-25 knots seas 5-9' 207 Partly cloudy, winds NW 20-25 knots seas 6-9' H_2O Surf. Temp 72°F @ 1815 Below Mid-Depth ____

Port Draghead NA Deflector: NA

Stbd Draghead rock, pipe, net 206 Rock Deflector: ok - OK

~~Port Discharge~~ Inflow 207 Screening Rock, shell
206 Rock
NA 207 observer off before dumped

~~Stbd Discharge~~ Overflow Screening sea pork, sponge, plastic debris
206 Trash
207

Comments: stopped digging at 11:00

Bridge Watch Summary

Species	# of Animals	Time	Location & Comments
#205			Ø
#206			Ø
#207	Tt	2 @1000	In channel near tide gauge

Observer(s) On Duty: C. Ryder / E. Westerman