Endangered Species Observer Program

Dredge: Dodge Island

Project: Brownsville

Load # 001 Date 12 /01 /03 Start 0233 End 0135 Dump 0210

Location (lat/long, stations) 26 03 284 9711.009 26°02.970 9711.846W Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) clear wind 0-10 seas 2-4

Water Temp. Surface 73 Below mid-depth

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead N/A Deflector

Stbd Draghead Deflector

Port Inflow, Mid NA

Port Inflow, Aft NA

Stbd Inflow, Mid

Stbd Inflow, Aft

Comments Port side pump down. Dredging on St-bd side only. Material is Mud

Load # 002 Date 12 /02 /03 Start 0741 End 0558 Dump 0638

Location (lat/long, stations) 26 03455 9710.867 → 26°03.460N 9710.868W Tide Stage

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

Water Temp. Surface 73 Below mid-depth

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead N/A Deflector

Stbd Draghead OK Deflector

Port Inflow, Mid N/A

Port Inflow, Aft N/A

Stbd Inflow, Mid OK

Stbd Inflow, Aft OK

Comments Material is Mud

Load # 3 Date 12 /02 /03 Start 0735 End 1042 Dump 1106

Location (lat/long, stations) 26°03757 N 97°10.369 W → 97°12.023 W 26 02.758 Tide Stage

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

Water Temp. Surface 73 Below mid-depth

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead NA Deflector

Stbd Draghead OK Deflector

Port Inflow, Mid N/A

Port Inflow, Aft N/A

Stbd Inflow, Mid OK

Stbd Inflow, Aft OK

Comments Material is Mud

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

Observers On Duty: ~~Andrew Jackson~~ / Ravi Kumar R. Trevino

Endangered Species Observer Program

Dredge: Dodge Island

Project: Brownsville

Load # 4 Date 12 / 02 / 03 Start 1137 End 1446 Dump 1501

Location (lat/long, stations) 2605 400 N 97 10.152 Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) SW@5, clear 80's B-3

Water Temp. Surface 73°F Below mid-depth

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead NA Deflector

Stbd Draghead OK Deflector √

Port Inflow, Mid NA

Port Inflow, Aft NA

Stbd Inflow, Mid line, rope, seaweed Port Skimmer Stingray wood

Stbd Inflow, Aft " " " St. Skimmer wood

Comments Two Didos caught ~~[illegible]~~ Green sea turtle

Load # 5 Date 12 / 02 / 03 Start 1559 End 1914 Dump 1934

Location (lat/long, stations) 2603951 0970941 Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) Clear Seas 3-4 SW@5 B-3

Water Temp. Surface 73 Below mid-depth

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead NA Deflector

Stbd Draghead OK Deflector √

Port Inflow, Mid NA

Port Inflow, Aft NA

Stbd Inflow, Mid line, rope, seaweed Port Skimmer wood

Stbd Inflow, Aft " " " St. " wood eel

Comments Material is Mud

Load # 6 Date 12 / 02 / 03 Start 2003 End 2315 Dump 2343

Location (lat/long, stations) 2603757 N 9710369W 2602759N 971202WW Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) SW@5 clear 80's Seas 2-4ft

Water Temp. Surface 73 Below mid-depth

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead NA Deflector

Stbd Draghead OK Deflector √

Port Inflow, Mid NA

Port Inflow, Aft NA

Stbd Inflow, Mid wire line clay Port Skimmer - wood

Stbd Inflow, Aft " " " St. bird - Skimmer - wood, plastic

Comments Material is Mud

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments
T. truncatus	2	1540

Observers On Duty: ~~Andrew Jackson~~ / Ravi Kumar J. Trodman

Endangered Species Observer Program
Dredge: ~~Eagle Lake~~ Dodge Island
Project: ~~Barbours Cut Houston Channel~~ Brownsville

Load # 007 Date 12/03/02 Start 0006 End 0313 Dump 0334
Location (lat/long, stations) ~~29° 41.074'N 95° 59.156'W to 29° 42.471'N 95° 56.572'W~~ Tide Stage
Weather (wind dir, beaufort, sea state, temp, etc.) 26°03.951N 97°10.083 -> 26°03.457N 97°10.857W
2knts SW, clear Water Temp. Surface 69°C Below mid-depth
Are there incidents involving endangered or protected species? **Yes** **No**
Note biological samples:
Port Draghead N/A Deflector N/A
Stbd Draghead OK Deflector OK
Port Inflow, Mid N/A
Port Inflow, Aft N/A
Stbd Inflow, Mid OK
Stbd Inflow, Aft OK
Comments

Load # 008 Date 12/03/02 Start 0404 End 0704 Dump 0730
Location (lat/long, stations) ~~29° 41.074'N 95° 59.156'W to 29° 42.471'N 95° 56.572'W~~ Tide Stage
Weather (wind dir, beaufort, sea state, temp, etc.) 26°03.956 97°09.930 -> 26°03.457N 97°10.857W
2knts SW, clear Water Temp. Surface 69° Below mid-depth
Are there incidents involving endangered or protected species? **Yes** **No**
Note biological samples:
Port Draghead N/A Deflector N/A
Stbd Draghead OK Deflector OK
Port Inflow, Mid N/A
Port Inflow, Aft N/A
Stbd Inflow, Mid OK
Stbd Inflow, Aft OK
Comments eel

Load # 009 Date 12/03/02 Start 0800 End 1017 Dump 1122
Location (lat/long, stations) 29° 41.074'N 95° 59.156'W to 29° 42.471'N 95° 56.572'W Tide Stage
Weather (wind dir, beaufort, sea state, temp, etc.) 26°03.956N 97°09.930W -> 26°03.457N 97°10.857W
2knts SW, clear Water Temp. Surface 69° Below mid-depth
Are there incidents involving endangered or protected species? **Yes** **No**
Note biological samples:
Port Draghead N/A Deflector N/A
Stbd Draghead OK Deflector OK
Port Inflow, Mid N/A
Port Inflow, Aft N/A
Stbd Inflow, Mid OK
Stbd Inflow, Aft OK
Comments Two Dolphins caught Green sea turtle

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments
~~eel~~		
T. truncatus	4	5:20 / channel

Observers On Duty: ~~Andrew Jackson~~ / Ravi Kumar J. Trautman

Endangered Species Observer Program
Dredge: Dodge Island
Project: Brownsville Channel, Tx

Load # 10 Date 12/03/03 Start 1158 End 1431 Dump 1452
Location (lat/long, stations) 2603757 N 9710369W → 2602759 N 971202W Tide Stage
Weather (wind dir. beaufort, sea state, temp, etc.) Pt cloudy SE 10 B-3, seas 2-4
Water Temp. Surface 73 Below mid-depth
Are there incidents involving endangered or protected species? Yes (No)
Note biological samples:
Port Draghead NA Deflector ✓
Stbd Draghead cable Deflector ✓
Port Inflow, Mid NA
Port Inflow, Aft NA Port Skimmer ray wood seaweed
Stbd Inflow, Mid mud line, metal Star. Skimmer ray wood plastic
Stbd Inflow, Aft mud, metal, cable
Comments Material is Mud

Load # 11 Date 12/03/03 Start 1532 End 1753 Dump 1818
Location (lat/long, stations) 2603757 N 9710369 N 2602759 N 971202W Tide Stage
Weather (wind dir. beaufort, sea state, temp, etc.) Cloudy SE 5 B-3 seas 2-4
Water Temp. Surface 73 Below mid-depth
Are there incidents involving endangered or protected species? Yes (No)
Note biological samples:
Port Draghead OK Deflector ✓
Stbd Draghead OK Deflector ✓
Port Inflow, Mid seaweed, line, metal
Port Inflow, Aft " " "
Stbd Inflow, Mid " " " Skimmers wood
Stbd Inflow, Aft " "
Comments Port Dragarm back online

Load # 12 Date 12/03/03 Start 1848 End 2048 Dump 2111
Location (lat/long, stations) 2603757 9710169 N 2607 59 971202W Tide Stage
Weather (wind dir. beaufort, sea state, temp, etc.) Seas 2-4, temp 80's, B-3 s=5
Water Temp. Surface 73 Below mid-depth
Are there incidents involving endangered or protected species? Yes (No)
Note biological samples:
Port Draghead OK Deflector ✓
Stbd Draghead OK Deflector ✓
Port Inflow, Mid NA
Port Inflow, Aft NA Skimmers wood, plastic
Stbd Inflow, Mid seaweed plastic
Stbd Inflow, Aft " "
Comments Port Draghead back offline

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments
T. truncatus	1	1510 by jetty

Observers On Duty: ~~Andrew Jackson~~ / Ravi Kumar J. Tuschman

Endangered Species Observer Program

Dredge: Dodge Island

Project: Brownsville

Load # 13 Date Dec 13 / 03 Start 2138 End 2348 Dump 0014

Location (lat/long, stations) 2603.257 9710369 NW → 2602735 N 97 1202 W Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) P/cloudy, 1B-3 180's sms 2-4

Water Temp. Surface 73 Below mid-depth

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead NA Deflector

Stbd Draghead clear Deflector

Port Inflow, Mid NA

Port Inflow, Aft NA

Stbd Inflow, Mid Seaweed line metal catfish

Stbd Inflow, Aft " " " ~~Catf~~ Eel

Comments

Load # 14 Date 12 / 04 / 03 Start 0038 End 0245 Dump 0310

Location (lat/long, stations) 26° 03.257 N 97° 10.369 W → 26° 02.735 N 97° 12.021 Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) P. cloudy, 1.5 knts SW

Water Temp. Surface 73°C Below mid-depth

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Mid ~~OK~~ unobserveable - full of clay

Port Inflow, Aft ~~OK~~ unobservable - full of clay

Stbd Inflow, Mid OK

Stbd Inflow, Aft OK

Comments

Load # 15 Date 12 / 4 / 03 Start 0340 End 0544 Dump 0610

Location (lat/long, stations) 26° 03.949 N 97° 09.909 W → 26° 02.923 97° 11.728 Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) 1.3 knts SW, P. Cloudy

Water Temp. Surface Below mid-depth

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Mid ~~OK~~ unobservable - full of clay

Port Inflow, Aft ~~OK~~ unobservable - full of clay

Stbd Inflow, Mid OK

Stbd Inflow, Aft OK

Comments Port side Boxes opened up twice to clear clay Boxes were unobservable.

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

Observers On Duty: ~~Andrew Jackson~~ / Ravi Kumar J. Trautman

Endangered Species Observer Program
Dredge: Dodge Island
Project: Brownsville

Load # 16 Date 12/04/03 Start 0636 End 0839 Dump 0904
Location (lat/long, stations) Tide Stage
Weather (wind dir. beaufort, sea state, temp, etc.) 26°03.956 97°09.909 -> 26°02.923 97°11.718
1.3 SW, P. Cloudy Water Temp. Surface 70°F Below mid-depth
Are there incidents involving endangered or protected species? Yes No
Note biological samples:
Port Draghead OK Deflector
Stbd Draghead OK Deflector
Port Inflow, Mid unobservable - full of clay flushed 5X
Port Inflow, Aft unobservable - full of clay Flushed 5X
Stbd Inflow, Mid unobservable - full of clay Flushed 2X
Stbd Inflow, Aft " " " Flushed 2X
Comments Screens ineffective due to clay backup.
Boxes unobservable

Load # 17 Date 12/04/03 Start 0930 End 1139 Dump 1218
Location (lat/long, stations) Tide Stage
Weather (wind dir. beaufort, sea state, temp, etc.) 26°03 956 97°09.909 -> 26°02.923 97°11.718
Water Temp. Surface 70°F Below mid-depth
Are there incidents involving endangered or protected species? Yes No
Note biological samples:
Port Draghead OK Deflector OK
Stbd Draghead OK Deflector OK
Port Inflow, Mid unobservable - full of clay flushed 4X
Port Inflow, Aft " " " "
Stbd Inflow, Mid " " Flushed 2X
Stbd Inflow, Aft " " "
Comments screens ineffective due to clay backup

Load # 18 Date 12/04/ Start 1300 End 1503 Dump 1532
Location (lat/long, stations) 26°03 956 97°09.909 -> 26°02.923 97°11.718 Tide Stage
Weather (wind dir. beaufort, sea state, temp, etc.) Pt cloudy SG-10 B-3 Seas 2-3
Water Temp. Surface 70 Below mid-depth
Are there incidents involving endangered or protected species? Yes No
Note biological samples:
Port Draghead netting Deflector OK
Stbd Draghead OK Deflector "
Port Inflow, Mid netting linewire seaweed
Port Inflow, Aft " " " skimmer drum (black)
Stbd Inflow, Mid " " "
Stbd Inflow, Aft " " "
Comments heavy clay Buildup in all boxes - boxes flushed after ~~being~~ ~~open~~ top hatch being opened

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments
Titrunculus	3	mouth of jetty 1547

Observers On Duty: ~~Andrew Jackson~~ / Ravi Kumar / J. Trautman

Endangered Species Observer Program

Dredge: Dodge Island
Project: Brownsville

Load # 14 Date 12 / 4 / 03 Start _____ End 1746 Dump 1814
Location (lat/long, stations) 26°03.956 97°09.909 Tide Stage _____
Weather (wind dir. beaufort, sea state, temp, etc.) Pt cloudy wind SE 10-15 B-3 Seas 2-3
Water Temp. Surface 70 Below mid-depth _____
Are there incidents involving endangered or protected species? Yes **No**
Note biological samples:
Port Draghead Cable Net Deflector OK
Stbd Draghead Mud " Deflector OK
Port Inflow, Mid Sea weed line rope
Port Inflow, Aft " " " Skimmers wood plastic
Stbd Inflow, Mid " " " eel
Stbd Inflow, Aft " " " catfish
Comments Material is Mud/clay

Load # 20 Date 12 / 4 / 03 Start 1847 End 2047 Dump 2103
Location (lat/long, stations) 26 03 956 97 09 909 Tide Stage _____
Weather (wind dir. beaufort, sea state, temp, etc.) Pt cloudy SE 10-15 B-3 Seas 2-3
Water Temp. Surface 71 Below mid-depth _____
Are there incidents involving endangered or protected species? Yes **No**
Note biological samples:
Port Draghead OK Deflector _____
Stbd Draghead OK Deflector _____
Port Inflow, Mid clear
Port Inflow, Aft Mud
Stbd Inflow, Mid " skimmers wood plastic
Stbd Inflow, Aft " plastic
Comments Material is Mud/clay frequent clogging

Load # 21 Date 12 / 4 / 03 Start 2133 End 2341 Dump 0007
Location (lat/long, stations) _____ Tide Stage _____
Weather (wind dir. beaufort, sea state, temp, etc.) Pt cloudy SE 10-15
Water Temp. Surface 71 Below mid-depth _____
Are there incidents involving endangered or protected species? Yes **No**
Note biological samples:
Port Draghead OK Deflector OK
Stbd Draghead " Deflector OK
Port Inflow, Mid clay seaweed
Port Inflow, Aft " "
Stbd Inflow, Mid " " wire line Skimmers wood plastic
Stbd Inflow, Aft " " "
Comments Clay

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

Observers On Duty: ~~Andrew Jackson~~ / Ravi Kumar D. Troutman

Endangered Species Observer Program

Dredge: _____

Project: _____

Load # 22 Date 12 / 5 / 03 Start 0033 End 0245 Dump 0309

Location (lat/long, stations) 26° 03.960 N 97° 09.965 -> 26° 03.915 97° 10.043 Tide Stage _____

Weather (wind dir. beaufort, sea state, temp, etc.) 1.9 Knts W, P. Cloudy Water Temp. Surface _____ Below mid-depth _____

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

Note biological samples:

Port Draghead ~~[illegible]~~ OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Mid 1st flush - 90% observable, 2nd flush - 100% OK

Port Inflow, Aft 1st flush - 90% observable, 2nd flush 100% OK

Stbd Inflow, Mid OK

Stbd Inflow, Aft OK

Comments _____

Load # 23 Date 12/5/03 Start 0335 End 0551 Dump 0616

Location (lat/long, stations) 26° 03.954 N 97° 09.642 W -> 26° 02.955 N 97° 11.665 Tide Stage _____

Weather (wind dir. beaufort, sea state, temp, etc.) 3.8 Knts W, P. Cloudy

Water Temp. Surface _____ Below ~~mid-~~depth _____

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

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Mid 1st flush - OK

Port Inflow, Aft 1st flush - 90% observable

Stbd Inflow, Mid OK

Stbd Inflow, Aft OK

Comments _____

Load # 24 Date 12/5/03 Start 0644 End 0851 Dump 0917

Location (lat/long, stations) 26° 03.894 N 97° 10.024 W -> 26° 02.953 97° 11.665 Tide Stage _____

Weather (wind dir. beaufort, sea state, temp, etc.) 5.5 Knts W P. Cloudy

Water Temp. Surface _____ Below mid-depth _____

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

Note biological samples:

Port Draghead ~~1st flush 75% observable 2nd~~ OK Deflector _____

Stbd Draghead OK Deflector OK

Port Inflow, Mid 1st flush 75% observable

Port Inflow, Aft 2nd flush unobservable

Stbd Inflow, Mid OK

Stbd Inflow, Aft OK

Comments _____

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

Observers On Duty: Andrew Jackson / Ravi Kumar

Endangered Species Observer Program

Dredge: Dodge Island

Project: Brownsville

Load # 25 Date 12/5/03 Start 0951 End 1147 Dump 1215

Location (lat/long, stations) 26°03.842W 97°10.221W → 26°02.953 97°11.665 Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) 2.7 knts W, P. cloudy Water Temp. Surface 70 Below mid-depth

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead OK Deflector

Stbd Draghead OK Deflector OK

Port Inflow, Mid 1st flush OK 2nd flushed OK

Port Inflow, Aft 1st flush -50% observable 2nd flush 50% observable

Stbd Inflow, Mid OK

Stbd Inflow, Aft OK

Comments 25 Tursiops truncatus

Load # 26 Date 12/5/03 Start 1226 End 1454 Dump 1536

Location (lat/long, stations) 2603842 9710221W → 26° 02.953 97° 11.665 Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) Seas 4-6, B-4 NE 20

Water Temp. Surface 70 Below mid-depth

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead clear Deflector ~~clay~~ OK

Stbd Draghead clay Deflector OK

Port Inflow, Mid filled with clay

Port Inflow, Aft " skimmers debris

Stbd Inflow, Mid Totally filled with clay twice

Stbd Inflow, Aft clay, seaweed

Comments clay

on 12/6/03

Load # 27 Date 12/5/04 Start 1617 End 0956 Dump 1029

Location (lat/long, stations) 2603842 9710221W Section 1+2 Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) Seas 6 B-4 NE-20

Water Temp. Surface 70 Below mid-depth

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector

Port Inflow, Mid 14 flushes → 10 unobservables + 4 partially observables

Port Inflow, Aft 14 flushes → 10 " + 4 " " "

Stbd Inflow, Mid 4 flushes → 2 unobservables + 2 " "

Stbd Inflow, Aft 4 flushes → 2 " + 2 " "

Comments Seas too big to get to and from disposal area 4 cubs and water color

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments
2 T. truncatus	2	settling
"	25	in and around channel Load 25

Observers On Duty: ~~Andrew Jackson~~ / Ravi Kumar / J. Teodoro

Endangered Species Observer Program

Dredge: Dodge Island

Project: Brownsville Channel

Load # 28 Date 12/06/03 Start 1102 End 1311 Dump 1342

Location (lat/long, stations) 26° 03.868 97° 10.193 → Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) Seas 3-5, B-4 NE-15-20

Water Temp. Surface 69°C Below mid-depth

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead clean Deflector clean

Stbd Draghead " Deflector "

Port Inflow, Mid # of flushes 1111 # of undoservables 11 clean, seaweed

Port Inflow, Aft # of flushes 1111 # of undoservables 11 " "

Stbd Inflow, Mid # of flushes 1 " " clean seaweed, cel skimmers

Stbd Inflow, Aft # of flushes 1 " " clean seaweed OK

Comments clean

Load # 29 Date 12/06/03 Start 1409 End 1615 Dump 1648

Location (lat/long, stations) 2603 868 9710 163 Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) Seas 3-5, B-4 NE-15-

Water Temp. Surface 68 Below mid-depth

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead rope, debris Deflector clean

Stbd Draghead cable, cloth Deflector clean

Port Inflow, Mid clean seaweed

Port Inflow, Aft clean " metal

Stbd Inflow, Mid clean " skimmers wood

Stbd Inflow, Aft clean " catfish clothes

Comments

Load # 30 Date 12/06/03 Start 1721 End 2134 Dump 2206

Location (lat/long, stations) 2603 868 9710 193 Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) Seas 3-5, B-4 NE-15

Water Temp. Surface 68 Below mid-depth

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead clear Deflector

Stbd Draghead rope Deflector

Port Inflow, Mid clean seaweed cel

Port Inflow, Aft " "

Stbd Inflow, Mid " " metal

Stbd Inflow, Aft "

Comments 4 cuts

clean

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments
T. truncatus	3	1735 in gulf

Observers On Duty: ~~Andrew Jackson~~ / Ravi Kumar / J. Trautman

Endangered Species Observer Program

Dredge: Dodge Island

Project: Brownsville Channel

Load # 31 Date 12/7/03 Start ~~0000~~ 2246 End 0305 Dump 0400

Location (lat/long, stations) section 1+2 Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) 10kts west, clear

Water Temp. Surface 70 Below mid-depth

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

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead Deflector

Port Inflow, Mid Flushed 6x 3 unobservables 3 observables

Port Inflow, Aft Flushed 6x 4 unobservables 2 observables

Stbd Inflow, Mid OK

Stbd Inflow, Aft

Comments

Load # 32 Date 12/7/03 Start 0418 End 0900 Dump 0931

Location (lat/long, stations) Section 1+2 Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) Clear seas 1-2, B-2, 70's

Water Temp. Surface 70 Below mid-depth

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

Note biological samples:

Port Draghead clay Deflector OK

Stbd Draghead Deflector OK

Port Inflow, Mid seaweed metal

Port Inflow, Aft " catfish

Stbd Inflow, Mid " EEL

Stbd Inflow, Aft " wood

Comments Mud/clay

Load # 33 Date 12/7/03 Start 1004 End 1432 Dump 1459

Location (lat/long, stations) Section 1+2 Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) Clear 70's seas 1-2 70's B-2

Water Temp. Surface 70 Below mid-depth

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

Note biological samples:

Port Draghead clay seaweed Deflector clay

Stbd Draghead " " Deflector clay

Port Inflow, Mid " "

Port Inflow, Aft " " plastic

Stbd Inflow, Mid " " Skimmers catfish plastic

Stbd Inflow, Aft " "

Comments Clay

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments
T. truncatus	3	throughout Day

Observers On Duty: ~~Andrew Jackson~~ / Ravi Kumar J. Teodoro

Endangered Species Observer Program

Dredge: Dodge Island

Project: Brownsville

Load # 34 Date Dec 7 / 03 Start 1559 End 0007 Dump 0035

Location (lat/long, stations) Station 1+2 Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) SE-S Seas 1-3, B3 57°

Water Temp. Surface 68 Below mid-depth

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

Note biological samples:

Port Draghead clean Deflector Clear

Stbd Draghead " Deflector "

Port Inflow, Mid "

Port Inflow, Aft "

Stbd Inflow, Mid " wtfish SK inner plastic seaweed

Stbd Inflow, Aft " eel

Comments Clean

Load # 35 Date Dec 8 / 03 Start 0430 End 0707 Dump 0742

Location (lat/long, stations) Station 1+2 Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) 57° Seas 1-3 SE-S

Water Temp. Surface 69 Below mid-depth

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

Note biological samples:

Port Draghead clean Deflector

Stbd Draghead " rubber Deflector

Port Inflow, Mid " plastic wood twine

Port Inflow, Aft " plastic

Stbd Inflow, Mid " line SK inner way

Stbd Inflow, Aft " line

Comments Mud/Clay extensive clogging 50% of flushes - not observable due to clogging with thousands of pounds of clay

Load # 36 Date 12/8/03 Start 0803 End 1312 Dump 1343

Location (lat/long, stations) section 1+2 Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) Clear, 10 Knts E

Water Temp. Surface 70°F Below mid-depth

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

Note biological samples:

Port Draghead OK Deflector

Stbd Draghead Deflector

Port Inflow, Mid 50% observable, full of clay flushed 13 times

Port Inflow, Aft

Stbd Inflow, Mid 80% observable, packed w/ clay flushed 5 times

Stbd Inflow, Aft

Comments observation for turtles limited due to extensive clay backing

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments
t. truncatus	~20	1208 station 1

Observers On Duty: [redacted]kson / Ravi Kumar J Trautman

Endangered Species Observer Program

Dredge: Dodge Island

Project: Brownsville channel

Load # 37 Date 12/8/03 Start 1415 End 2008 Dump 2103

Location (lat/long, stations) Station 1+2 Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) 10kts SE, clear Seas 1-3 Pt cloudy

Water Temp. Surface 70°F Below mid-depth

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

Note biological samples:

Port Draghead clay net Deflector ok

Stbd Draghead n line Deflector ok

Port Inflow, Mid n line

Port Inflow, Aft n eel

Stbd Inflow, Mid GREEN Sea turtle clay Skimmers plastic

Stbd Inflow, Aft clay sea weed wood

Comments

Dead (fresh) Green sea turtle, see incident report

Load # 38 Date 12/9/03 Start 2236 End 0317 Dump 0345

Location (lat/long, stations) Section 1+2 Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) SE 20 Pt cloudy Seas 2-4 B-3

Water Temp. Surface 70f Below mid-depth

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead

Port Inflow, Mid OK

Port Inflow, Aft

Stbd Inflow, Mid OK

Stbd Inflow, Aft

Comments Aft boxes open due to clogging

Load # 39 Date 12/9/03 Start 0421 End 1054 Dump 1125

Location (lat/long, stations) Section 1+2 Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) SE 20 Pt cloudy Seas 2-4 B-3

Water Temp. Surface 75 Below mid-depth

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead ok Deflector clear

Stbd Draghead ok Deflector clear

Port Inflow, Mid clay line rope

Port Inflow, Aft clay catfish/plastic

Stbd Inflow, Mid clay line rope

Stbd Inflow, Aft ok

Comments Clay

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

Observers On Duty: ~~Andrew Jackson~~ / Ravi Kumar J. Trahan

Endangered Species Observer Program

Dredge: Dodge Island

Project: Brownsville

Load # 40 Date 12 / 09 / 03 Start 12[illegible] End 1641 Dump 1712

Location (lat/long, stations) Station 1+2 26° 03.284 97° 10.369 W → 26° 02.735 [illegible] Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) SE-20 Seas 2-4 B-3 Pt. cloudy 97° 12.021 W

Water Temp. Surface _____ Below mid-depth _____

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead OK Deflector

Stbd Draghead Deflector OK

Port Inflow, Mid OK

Port Inflow, Aft OK → open Forward Port Skimmer – OK

Stbd Inflow, Mid OK

Stbd Inflow, Aft OK → open Forward Stbd Skimmer – OK

Comments * Aft boxes open

Load # 41 Date 12 / 09 / 03 Start 1747 End 2321 Dump 2242

Location (lat/long, stations) 26° 03.779 N 97° 10.310 W → 26° 02.735 N 97° 12.021 W Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) Northwinds 35 mph, P. cloudy

Water Temp. Surface 71°F Below mid-depth _____

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead OK Deflector

Stbd Draghead Deflector OK

Port Inflow, Mid OK Port Skimmer – OK

Port Inflow, Aft → open Stbd Skimmer – OK

Stbd Inflow, Mid OK

Stbd Inflow, Aft → open

Comments * Aft boxes open

Load # 42 Date 12 / 09 / 03 Start 2321 End 0020 Dump 0053

Location (lat/long, stations) 26° 03.779 N 97° 10.310 W → 26° 02.735 N 97° 12.021 W Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) NW @ 30 kts Seas 4-6 B-4

Water Temp. Surface 68 Below mid-depth _____

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead Clean Deflector OK

Stbd Draghead Clean Deflector OK

Port Inflow, Mid wood, clam, plastic, line

Port Inflow, Aft OK

Stbd Inflow, Mid line, rope, etc.

Stbd Inflow, Aft OK Skimmers – wood, plastic, cattail

Comments Aft boxes open

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

Observers On Duty: Andrew Jackson / ~~Ravi Kumar~~ J. Trautman

Endangered Species Observer Program

Dredge: Dodge Island
Project: Brownsville

Load # 43 Date 12 / 10 / 03 Start 0730 End 1212 Dump 1243
Location (lat/long, stations) Section 1-2 26°03.284 97°10.369 -> 26°02.735 97°12.021W Tide Stage
Weather (wind dir. beaufort, sea state, temp, etc.) NW-20, B-4, Seas 4-6, 40% 50%
Water Temp. Surface 68 Below mid-depth
Are there incidents involving endangered or protected species? Yes **No**
Note biological samples:
Port Draghead OK Deflector
Stbd Draghead OK Deflector
Port Inflow, Mid OK - flushed 3x 1x - unobservable
Port Inflow, Aft open skimmer port - OK
Stbd Inflow, Mid OK - flushed 6x 2x - unobservable skimmer stbd - OK
Stbd Inflow, Aft open
Comments Port + Stbd intake boxes are getting clogged w/ heavy clay and are being flushed

Load # 44 Date 12 / 10 / 03 Start 1321 End 1921 Dump 1958
Location (lat/long, stations) [redacted] 26°03.960N 97°09.918W -> 26°02.735 97°12.021W Tide Stage
Weather (wind dir. beaufort, sea state, temp, etc.)
Water Temp. Surface 68 Below mid-depth
Are there incidents involving endangered or protected species? Yes **No**
Note biological samples:
Port Draghead clay Deflector OK
Stbd Draghead clay, catfish, eel, plastic Deflector OK
Port Inflow, Mid OK
Port Inflow, Aft clear
Stbd Inflow, Mid ~~OK~~ clay skimmers bags plastic
Stbd Inflow, Aft clear
Comments

Load # 45 Date 12 / 10 / 03 Start 1449 End 0020 (12/11) Dump
Location (lat/long, stations) Section 1-2 26°03.960N 97°09.918W -> 26°02.735 97°12.021W Tide Stage
Weather (wind dir. beaufort, sea state, temp, etc.) clear + calm
Water Temp. Surface 69°C Below mid-depth
Are there incidents involving endangered or protected species? Yes **No**
Note biological samples:
Port Draghead OK Deflector OK
Stbd Draghead OK Deflector OK
Port Inflow, Mid OK Port skimmer - OK
Port Inflow, Aft open
Stbd Inflow, Mid OK stbd skimmer - OK
Stbd Inflow, Aft OK
Comments two Didos caught Green sea turtle (7 total)

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

Observers On Duty: ~~Andrew Jackson~~ / Ravi Kumar / J. Trautman

Endangered Species Observer Program
Dredge: Dodge Island
Project: Brownsville Channel

Load # 46 Date 12/11/03 Start 0130 End 0554 Dump 0621
Location (lat/long, stations) 26°03.284 97°10.369 -> 26°02.735 97°12.021 Tide Stage
Weather (wind dir. beaufort, sea state, temp, etc.) Cloudy + calm
Water Temp. Surface 68°F Below mid-depth
Are there incidents involving endangered or protected species? Yes **No**
Note biological samples:
Port Draghead OK Deflector OK
Stbd Draghead OK Deflector OK
Port Inflow, Mid OK - Flushed 2x 1x - unobservably
Port Inflow, Aft OPEN Skimmer Port - OK
Stbd Inflow, Mid OK - flushed 3x 1x unobservable
Stbd Inflow, Aft OPEN Skimmer Stbd - OK
Comments

Load # 47 Date 12/11/03 Start 0656 End 1209 Dump 1308
Location (lat/long, stations) 26°03.284 97°10.369 - 26°02.735 97°12.021 Tide Stage
Weather (wind dir. beaufort, sea state, temp, etc.) Cloudy SE-10, Seas 1-3 B-3
Water Temp. Surface 68 Below mid-depth
Are there incidents involving endangered or protected species? Yes **No**
Note biological samples:
Port Draghead OK Deflector
Stbd Draghead OK Deflector
Port Inflow, Mid Clay seaweed
Port Inflow, Aft OK
Stbd Inflow, Mid Clay
Stbd Inflow, Aft OK Skimmer OK
Comments

Load # 48 Date 12/11/03 Start 1345 End 1731 Dump 1805
Location (lat/long, stations) section 1+2 26°03.284 97°10.369 - 26°02.735 97°12.021 Tide Stage
Weather (wind dir. beaufort, sea state, temp, etc.) Seas 1-3, Cloudy SE-10, B-3
Water Temp. Surface 68° Below mid-depth
Are there incidents involving endangered or protected species? Yes **No**
Note biological samples:
Port Draghead OK Deflector OK
Stbd Draghead OK Deflector OK
Port Inflow, Mid Clogged w/ clay and flushed 3x - OK Skimmer Port - OK
Port Inflow, Aft OPEN Skimmer Stbd - OK
Stbd Inflow, Mid Clogged w/ clay and flushed 3x - OK
Stbd Inflow, Aft OPEN
Comments

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments
T. truncatus	2	Throughout the day

Observers On Duty: ~~Andrew Jackson~~ / Ravi Kumar / J. Trautman

Endangered Species Observer Program
Dredge: Dodge Island
Project: Brownsville Channel

Load # 49 Date 12/11/03 Start 1838 End 2210 Dump 0000
Location (lat/long, stations) 26°03.284 97°10.369 → 26°02.735 97°12.021 Tide Stage
Weather (wind dir. beaufort, sea state, temp, etc.) 10mph winds West, cloudy
Water Temp. Surface Below mid-depth
Are there incidents involving endangered or protected species? Yes No
Note biological samples:
Port Draghead OK Deflector
Stbd Draghead OK Deflector
Port Inflow, Mid closed Skimmer Port - OK
Port Inflow, Aft open
Stbd Inflow, Mid closed Skimmer Stbd - OK
Stbd Inflow, Aft open
Comments

Load # 50 Date 12/12/03 Start 0106 End 0546 Dump 0610
Location (lat/long, stations) Sta 1+2 Tide Stage
Weather (wind dir. beaufort, sea state, temp, etc.) 10mph SW cloudy 60's
Water Temp. Surface 68 Below mid-depth
Are there incidents involving endangered or protected species? Yes No
Note biological samples:
Port Draghead wood Deflector OK
Stbd Draghead net, wood Deflector OK
Port Inflow, Mid seaweed
Port Inflow, Aft ok
Stbd Inflow, Mid seaweed Skimmers wood, plastic, rain
Stbd Inflow, Aft ok
Comments Clear

Load # 51 Date 12/12/03 Start 0655 End 0935 Dump 1007
Location (lat/long, stations) Section 1+2 ~~[illegible]~~ 26°03.964 97°09.907 - 26°02.735 97°12.021 Tide Stage
Weather (wind dir. beaufort, sea state, temp, etc.) SW-10, B-3 Seas 1-3, 70's
Water Temp. Surface 68°F Below mid-depth
Are there incidents involving endangered or protected species? Yes No
Note biological samples:
Port Draghead OK Deflector
Stbd Draghead OK Deflector OK
Port Inflow, Mid clogged several times and unobservable
Port Inflow, Aft OPEN Skimmers Port OK
Stbd Inflow, Mid clogged several times and unobservable Stbd OK
Stbd Inflow, Aft OPEN
Comments

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments
T. truncatus	20	load 51

Observers On Duty: Andrew Jackson / Ravi Kumar

Endangered Species Observer Program

Dredge: Dodge Island
Project: Brownsville Channel

Load # 52 Date 12/12/03 Start 1042 End 1253 Dump 1322
Location (lat/long, stations) 26°03.284 97°10.369 - 26°02.735 97°12.021 Tide Stage
Weather (wind dir. beaufort, sea state, temp, etc.) calm, rain
Water Temp. Surface 68° Below mid-depth
Are there incidents involving endangered or protected species? Yes **No**
Note biological samples:
Port Draghead OK Deflector ok
Stbd Draghead OK Deflector OK
Port Inflow, Mid Clogged 6X all unobservables
Port Inflow, Aft OPE Skimmers OK
Stbd Inflow, Mid clogged 4X all unobservables
Stbd Inflow, Aft OPEN
Comments

Load # 53 Date 12/12/03 Start 1355 End 1640 Dump 1715
Location (lat/long, stations) 29°03.284 97°10.369 - 26°02.735 97°12.021 Tide Stage
Weather (wind dir. beaufort, sea state, temp, etc.) Overcast seas 3-4, B-4, SW-15-20, Temp 70's
Water Temp. Surface 68F Below mid-depth 68F
Are there incidents involving endangered or protected species? **Yes** No
Note biological samples:
Port Draghead clay, netting Deflector OK
Stbd Draghead rope Deflector OK
Port Inflow, Mid seaweed, clay, line
Port Inflow, Aft clean
Stbd Inflow, Mid clay, seaweed, plastic Port skimmer
Stbd Inflow, Aft clean St. skimmer - chelonia mydas
Comments
Two Dolos caught Green Sea turtle (chelonia mydas

Load # 54 Date 12/12/03 Start 1822 End 1857 Dump 1928
Location (lat/long, stations) 29°03.284 97°10.369 Tide Stage
Weather (wind dir. beaufort, sea state, temp, etc.) overcast seas 3-4; B-4 SW-15
Water Temp. Surface 68 Below mid-depth
Are there incidents involving endangered or protected species? Yes **No**
Note biological samples:
Port Draghead tire Deflector ok
Stbd Draghead clear Deflector n
Port Inflow, Mid clay, netting
Port Inflow, Aft clear
Stbd Inflow, Mid clay, seaweed Skimmers ok
Stbd Inflow, Aft clear
Comments clay

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

Observers On Duty: Andrew Jackson / Ravi Kumar J. Trotter

Endangered Species Observer Program

Dredge: Dodge Island

Project: Brownsville channel

Load # 55 Date 12 / 12 / 03 Start 2001 End 0012 Dump 0042

Location (lat/long, stations) 2403284 9710361 Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) SW-15-B-4 Seas 2-4

Water Temp. Surface 68 Below mid-depth

Are there incidents involving endangered or protected species? Yes (N)

Note biological samples:

Port Draghead ok Deflector ok

Stbd Draghead rope Deflector ok

Port Inflow, Mid clean

Port Inflow, Aft ok

Stbd Inflow, Mid clean

Stbd Inflow, Aft ok

Comments

Load # 56 Date 12 / 13 / 03 Start 0130 End 0410 Dump 0516

Location (lat/long, stations) Sect 2 Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) Seas 2-4, cloudy, N-15, B-4

Water Temp. Surface 68 Below mid-depth

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Mid OK

Port Inflow, Aft OPEN

Stbd Inflow, Mid OK Skimmers - OK

Stbd Inflow, Aft OPEN

Comments

Load # 57 Date 12/13/03 Start 0602 End 0915 Dump 0945

Location (lat/long, stations) Sect 2 Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) Seas 3-5 Cloudy, N-20, B-4

Water Temp. Surface 68 Below mid-depth

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead clean Deflector

Stbd Draghead clean Deflector

Port Inflow, Mid clean

Port Inflow, Aft clean

Stbd Inflow, Mid clean

Stbd Inflow, Aft ok Skimmer - ok

Comments

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

Observers On Duty: ~~Andrew Jackson~~ / Ravi Kumar J. Trahan

Endangered Species Observer Program

Dredge: Dodge Island

Project: Brownsville Channel

Load # 58 Date 12 / 13 / 03 Start 1026 End 1339 Dump 1409

Location (lat/long, stations) Sect 2 Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) Seas 3-5 N-20 B-4 cloudy

Water Temp. Surface 68 Below mid-depth

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

Note biological samples:

Port Draghead Clear Deflector ok

Stbd Draghead Deflector ok

Port Inflow, Mid Clear

Port Inflow, Aft Clear

Stbd Inflow, Mid Clear

Stbd Inflow, Aft Clear

Comments Skimmers blue crab-run

Load # 59 Date 12 / 13 / 03 Start 1446 End 1815 Dump 1831

Location (lat/long, stations) Sect 2 Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) Seas 4-5 N-13-20 B-4 cloudy

Water Temp. Surface 68 Below mid-depth

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

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Mid OK

Port Inflow, Aft OPEN

Stbd Inflow, Mid OK Skimmers - ok

Stbd Inflow, Aft OPEN

Comments Two birds caught Green-sea turtle - 9 total

Load # 60 Date 12 / 13 / 03 Start 1939 End 2312 Dump 2349

Location (lat/long, stations) 26°03.284 97°16.369 -> 26°02.735 97°12.021 Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) clear + 10 mph winds North

Water Temp. Surface 68°F Below mid-depth

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

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Mid Flush 4X, 4X unobservable -

Port Inflow, Aft OPEN

Stbd Inflow, Mid Flushed 4X, 4X unobservable Skimmers ok

Stbd Inflow, Aft OPEN

Comments

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments
T. Inermis	2-6	throughout the day

Observers On Duty: ~~Andrew Jackson~~ / Ravi Kumar J. Trahan

Endangered Species Observer Program

Dredge: Dodge Island

Project:

Load # 61 Date 12 / 14 / 03 Start 0028 End 0217 Dump 0253

Location (lat/long, stations) 26 03 284 97 16369 → 26 02735 97°12 021 Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) Clear - 10 mph winds North B-3

Water Temp. Surface 68°F Below mid-depth

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead clay Deflector ok

Stbd Draghead Clay Deflector ok

Port Inflow, Mid clay

Port Inflow, Aft OK

Stbd Inflow, Mid clay

Stbd Inflow, Aft OK Skimmers - OK

Comments mud / clay

Load # 62 Date 12 / 14 / 03 Start 0355 End 0757 Dump 0848

Location (lat/long, stations) 26 03 284 / 97.6369 → 26 02735 / 97°12 021 Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) clear - 10 mph winds North B-3

Water Temp. Surface 68 F Below mid-depth

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead ok Deflector ok

Stbd Draghead ok Deflector

Port Inflow, Mid clay

Port Inflow, Aft OK

Stbd Inflow, Mid clay

Stbd Inflow, Aft ok Skimmers OK

Comments Two Dipos caught Green Sea turtle - 10 total

Load # 63 Date 12 / 14 / 03 Start 0935 End 1255 Dump 1326

Location (lat/long, stations) 26 03 284 / 97.6369 → 26 02735 / 97°12 021 Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) clear + calm

Water Temp. Surface 68°F Below mid-depth

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Mid clogged w/ clay - unobservable

Port Inflow, Aft OPEN

Stbd Inflow, Mid clogged w/ clay unobservable

Stbd Inflow, Aft OPEN Skimmers - OK

Comments rays, eels

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments
T. truncatus	25	1000

Observers On Duty: ~~Andrew Jackson~~ / Ravi Kumar J. Trautrin

Endangered Species Observer Program

Dredge: _____

Project: _____

Load # 64 Date 12/14/03 Start 1442 End 1752 Dump 1830

Location (lat/long, stations) 26°03.284N 97°10.369W -> 26°02.735N 97°12.021W Tide Stage _____

Weather (wind dir. beaufort, sea state, temp, etc.) clear + calm

Water Temp. Surface 68° Below mid-depth _____

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

Note biological samples:

Port Draghead clear Deflector clear

Stbd Draghead clear Deflector clear

Port Inflow, Mid 3x flush 2x difficult to observe

Port Inflow, Aft open

Stbd Inflow, Mid 5x flush 3x difficult to observe

Stbd Inflow, Aft open Skimmers clear

Comments

Load # 65 Date 12/14/03 Start 1911 End 2140 Dump 2216

Location (lat/long, stations) 26°03.284N 97°10.369W → 26°02.735N 97°12.021 Tide Stage _____

Weather (wind dir. beaufort, sea state, temp, etc.) clear + calm

Water Temp. Surface 68° Below mid-depth _____

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

Note biological samples:

Port Draghead clear Deflector clear

Stbd Draghead clear Deflector clear

Port Inflow, Mid 4x flush 4x clear

Port Inflow, Aft open

Stbd Inflow, Mid 4x flush 4x clear

Stbd Inflow, Aft open Skimmers clear

Comments

(12/14/03)

Load # 66 Date 12/15/03 Start 2255 End 0005 Dump 0036

Location (lat/long, stations) 26°03.284N 97°10.369W → 26°02.735N 97°12.021 Tide Stage _____

Weather (wind dir. beaufort, sea state, temp, etc.) winds 20 mph SW

Water Temp. Surface 68°F Below mid-depth _____

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

Note biological samples:

Port Draghead OK Deflector OK

Stbd Draghead OK Deflector OK

Port Inflow, Mid flushed and difficult to observe due to clay

Port Inflow, Aft OPEN

Stbd Inflow, Mid flushed and difficult to observe due to clay Skimmers OK

Stbd Inflow, Aft OPEN

Comments

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

Observers On Duty: Andrew Jackson / Ravi Kumar

Endangered Species Observer Program
Dredge: Dodge Island
Project: Brownsville Channel

Load # 67 Date 12/15/03 Start 0132 End 0454 Dump ~~0036~~ 0530
Location (lat/long, stations) 26°03.318 97°10.281 → 26°02.735 97°12.021 Tide Stage
Weather (wind dir. beaufort, sea state, temp, etc.) clear winds 15 SW, seas 2-3 ft
Water Temp. Surface 68°F Below mid-depth
Are there incidents involving endangered or protected species? Yes (No)
Note biological samples:
Port Draghead clear Deflector OK
Stbd Draghead clear Deflector OK
Port Inflow, Mid Flush 5X, all unobservable due to clay
Port Inflow, Aft OPEN
Stbd Inflow, Mid Flushed 5X, all unobservables due to clay
Stbd Inflow, Aft OPEN
Comments Skimmers clear

Load # 68 Date 12/15/03 Start 0612 End 0901 Dump 0935
Location (lat/long, stations) 26°03.318N 97°10.28W 26°02.735 97°12.021 Tide Stage
Weather (wind dir. beaufort, sea state, temp, etc.) clear winds 15mph SW, seas 2-3ft
Water Temp. Surface 68°F Below mid-depth
Are there incidents involving endangered or protected species? Yes (No)
Note biological samples:
Port Draghead clear Deflector clear
Stbd Draghead clear Deflector clear
Port Inflow, Mid Flush 5X, all unobservable due to clay
Port Inflow, Aft OPEN Skimmers clear
Stbd Inflow, Mid Flush 5X, all unobservable due to clay
Stbd Inflow, Aft OPEN
Comments * Overflow not 100% screened on 2nd cut of this load

Load # 69 Date 12/15/03 Start 1011 End 1239 Dump 1307
Location (lat/long, stations) 26°03.32N 97°10.281 → 26°02.735 97°12.021 Tide Stage
Weather (wind dir. beaufort, sea state, temp, etc.) clear wind 15mph SW, Seas 2-3ft
Water Temp. Surface 68°F Below mid-depth
Are there incidents involving endangered or protected species? Yes (No)
Note biological samples:
Port Draghead clear Deflector clear
Stbd Draghead clear Deflector clear
Port Inflow, Mid 5X Flush, 3X difficult to observe due to clay
Port Inflow, Aft open
Stbd Inflow, Mid 5X Flush, 3X difficult to observe due to clay
Stbd Inflow, Aft open Skimmers clear
Comments

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

Observers On Duty: ~~Andrew Jackson~~ / Ravi Kumar / J. Sheldon

Endangered Species Observer Program

Dredge: _____

Project: _____

Load # _____ Date ____/____/____ Start _____ End _____ Dump _____

Location (lat/long, stations) _____ Tide Stage _____

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

_____ Water Temp. Surface _____ Below mid-depth _____

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Mid _____

Port Inflow, Aft _____

Stbd Inflow, Mid _____

Stbd Inflow, Aft _____

Comments _____

Load # _____ Date ____/____/____ Start _____ End _____ Dump _____

Location (lat/long, stations) _____ Tide Stage _____

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

_____ Water Temp. Surface _____ Below mid-depth _____

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Mid _____

Port Inflow, Aft _____

Stbd Inflow, Mid _____

Stbd Inflow, Aft _____

Comments _____

Load # _____ Date ____/____/____ Start _____ End _____ Dump _____

Location (lat/long, stations) _____ Tide Stage _____

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

_____ Water Temp. Surface _____ Below mid-depth _____

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Mid _____

Port Inflow, Aft _____

Stbd Inflow, Mid _____

Stbd Inflow, Aft _____

Comments _____

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

Observers On Duty: Andrew Jackson / Ravi Kumar

Endangered Species Observer Program

Dredge: Dodge Island

Project: Brownsville Channel

Load # 70 Date 12/15/03 Start 1350 End 1639 Dump 1708

Location (lat/long, stations) 26°03.318N 97°10.28W → 26°02.735N 97°12.021W Tide Stage

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

Water Temp. Surface 68°F Below mid-depth

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

Note biological samples:

Port Draghead Clear Deflector clear

Stbd Draghead clear Deflector clear

Port Inflow, Mid clogged w/ clay, difficult to observe

Port Inflow, Aft OPEN

Stbd Inflow, Mid clogged w/ clay, difficult to observe

Stbd Inflow, Aft OPEN

Comments skimmers - clear - mullet - 1

Load # 71 Date 12/15/03 Start 1747 End 2109 Dump 2133

Location (lat/long, stations) 26°03.988 97°10.119 → 26°02.73N 97°12.02 Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) SW 40-45mph, clear

Water Temp. Surface 68°F Below mid-depth

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

Note biological samples:

Port Draghead clear Deflector clear

Stbd Draghead clear Deflector clear

Port Inflow, Mid clogged frequently w/ clay, difficult to observe

Port Inflow, Aft OPEN

Stbd Inflow, Mid clogged frequently w/ clay, difficult to observe

Stbd Inflow, Aft OPEN

Comments skimmers - clear

Load # 72 Date 12/15/03 Start 2212 End 0126 Dump 0158

Location (lat/long, stations) 26°03.92N 97°10.12W → 26°02.735N 97°12.021W Tide Stage

Weather (wind dir. beaufort, sea state, temp, etc.) SW 15-20 mph clear

Water Temp. Surface 68°F Below mid-depth

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

Note biological samples:

Port Draghead clear Deflector clear

Stbd Draghead clear Deflector clear

Port Inflow, Mid 4x flush, 2x clear, 2x clog w/clay

Port Inflow, Aft open

Stbd Inflow, Mid 5x flush, 4x clog w/clay

Stbd Inflow, Aft open

Comments skimmers clear

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

Observers On Duty: ~~Andrew Jackson~~ / Ravi Kumar / J. Shelden

Endangered Species Observer Program
Dredge: _____
Project: _____

Load # 73 Date 12/16/03 Start 0251 End 0606 Dump 0644
Location (lat/long, stations) 26°03.318N 97°10.281W -> 26°02.735N 97°12.031W Tide Stage _____
Weather (wind dir. beaufort, sea state, temp, etc.) 25-30 mph, SW, clear, 4-6'
Water Temp. Surface 68°F Below mid-depth _____
Are there incidents involving endangered or protected species? Yes (No)
Note biological samples:
Port Draghead clear Deflector clear
Stbd Draghead clear Deflector clear
Port Inflow, Mid 4X Flush, clear 4X
Port Inflow, Aft open
Stbd Inflow, Mid Difficult to observe, clogged w/clay.
Stbd Inflow, Aft open
Comments Skimmers clear

Load # 74 Date 12/16/03 Start 0717 End ~~0925~~ 1019 Dump 1051
Location (lat/long, stations) 26°03.318N 97°10.281W -> 26°02.735N 97°12.031W Tide Stage _____
Weather (wind dir. beaufort, sea state, temp, etc.) Northwinds 45-55mph, clear
Water Temp. Surface 18.9°C Below mid-depth _____
Are there incidents involving endangered or protected species? Yes (No)
Note biological samples:
Port Draghead clear Deflector clear
Stbd Draghead clear Deflector clear
Port Inflow, Mid clogged w/clay, difficult to observe, flushed 4X
Port Inflow, Aft OPEN
Stbd Inflow, Mid clogged w/clay, difficult to observe, flushed 4X
Stbd Inflow, Aft OPEN
Comments Skimmers clear

Load # 75 Date 12/16/03 Start 1154 End 1930 Dump 2006
Location (lat/long, stations) 26°03.318N 97°10.281W -> 26°02.735N 97°12.031W Tide Stage _____
Weather (wind dir. beaufort, sea state, temp, etc.) winds 30-35 mph North, clear
Water Temp. Surface 18.8°C Below mid-depth _____
Are there incidents involving endangered or protected species? Yes (No)
Note biological samples:
Port Draghead clear Deflector clear
Stbd Draghead clear Deflector clear
Port Inflow, Mid clogged w/clay, difficult to observe, flush 5x
Port Inflow, Aft open
Stbd Inflow, Mid clogged w/clay, difficult to observe, flush 5x
Stbd Inflow, Aft open
Comments Skimmers clear

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

Observers On Duty: ~~Andrew Jackson~~ / Ravi Kumar / J. Sheldon

Endangered Species Observer Program
Dredge: Dodge Island
Project: Brownsville Channel

Load # 76 Date 12/17/03 Start 0000 End 0030 Dump 0100
Location (lat/long, stations) 26°03.318N 97°10.287W -> 26°02.735 97°12.031 Tide Stage
Weather (wind dir. beaufort, sea state, temp, etc.) North winds 10-15 mph, clear
Water Temp. Surface 18.9°C Below mid-depth
Are there incidents involving endangered or protected species? Yes (No)
Note biological samples:
Port Draghead clear Deflector clear
Stbd Draghead clear Deflector clear
Port Inflow, Mid clear
Port Inflow, Aft OPEN
Stbd Inflow, Mid clear
Stbd Inflow, Aft OPEN Skimmers clear
Comments

Load # 77 Date 12/17/03 Start 0137 End 0507 Dump 0533
Location (lat/long, stations) 26°03.917 97°10.113 -> 26°02.636 97°12.036 Tide Stage
Weather (wind dir. beaufort, sea state, temp, etc.) N 10-15mph, clear
Water Temp. Surface 19°C Below mid-depth
Are there incidents involving endangered or protected species? Yes (No)
Note biological samples:
Port Draghead clear Deflector clear
Stbd Draghead clear Deflector clear
Port Inflow, Mid clear
Port Inflow, Aft OPEN
Stbd Inflow, Mid clear Skimmers clear
Stbd Inflow, Aft OPEN
Comments 11th Green Sea Turtle caught in trawler

Load # 78 Date 12/17/03 Start 0614 End 0923 Dump 0951
Location (lat/long, stations) 26°03.917N 97°10.113W -> 26°02.636N 97°12.036W Tide Stage
Weather (wind dir. beaufort, sea state, temp, etc.) N 10-15 mph, clear
Water Temp. Surface 19°C Below mid-depth
Are there incidents involving endangered or protected species? Yes (No)
Note biological samples:
Port Draghead clear Deflector clear
Stbd Draghead clear Deflector clear
Port Inflow, Mid clear
Port Inflow, Aft Open
Stbd Inflow, Mid clear Skimmers clear
Stbd Inflow, Aft Open
Comments 12th Green Sea turtle caught in trawler

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments
T. truncatus	2	10:29 / 26°03.96N 97°08.82W / mother + calf

Observers On Duty: ~~Andrew Jackson~~ / Ravi Kumar / J. Sheldon

Endangered Species Observer Program

Dredge: _____

Project: _____

oad # 79 Date 12/17/03 Start 1048 End 1347 Dump 1417

ocation (lat/long, stations) same Tide Stage _____

Veather (wind dir. beaufort, sea state, temp, etc.) 5-10 mph, clear, 1-3 ft

Water Temp. Surface [redacted]9 Below mid-depth _____

re there incidents involving endangered or protected species? Yes (No)

lote biological samples:

ort Draghead clear Deflector clear

bd Draghead clear Deflector clear

ort Inflow, Mid clogged w/clay, difficult to observe

ort Inflow, Aft open

tbd Inflow, Mid clogged w/clay, difficult to observe.

tbd Inflow, Aft open

omments Skimmers clear

oad # 80 Date 12/17/03 Start 1746 End 2026 Dump 2054

ocation (lat/long, stations) same Tide Stage _____

eather (wind dir. beaufort, sea state, temp, etc.) North 5-10 mph, clear

Water Temp. Surface 18.9°C Below mid-depth _____

re there incidents involving endangered or protected species? Yes (No)

ote biological samples:

ort Draghead clear Deflector clear

bd Draghead clear Deflector clear

ort Inflow, Mid clear

ort Inflow, Aft OPEN Skimmers clear

bd Inflow, Mid clear

bd Inflow, Aft OPE

omments * Caught 13th Chelonia mydas on trawlers

oad # 81 Date 12/18/03 Start 2+36 End 0004 Dump 0037

ocation (lat/long, stations) same Tide Stage _____

eather (wind dir. beaufort, sea state, temp, etc.) North 5-10 mph, clear

Water Temp. Surface 18.9°C Below mid-depth _____

e there incidents involving endangered or protected species? Yes (No)

ote biological samples:

rt Draghead clear Deflector clear

od Draghead clear Deflector clear

rt Inflow, Mid clear

rt Inflow, Aft OPEN

od Inflow, Mid clear Skimmers - clear

od Inflow, Aft OPEN

mments

Bridge Watch Summary

ecies	#of Animals	Time/Location/Comments

servers On Duty: ~~Andrew Jackson~~ / Ravi Kumar / J. Sheldon

Endangered Species Observer Program

Dredge: _____

Project: _____

Load # _____ Date ____/____/____ Start _____ End _____ Dump _____

Location (lat/long, stations) _____ Tide Stage _____

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

_____ Water Temp. Surface _____ Below mid-depth _____

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead _____ Deflector_____

Stbd Draghead _____ Deflector_____

Port Inflow, Mid _____

Port Inflow, Aft_____

Stbd Inflow, Mid_____

Stbd Inflow, Aft_____

Comments _____

Load # _____ Date ____/____/____ Start _____ End _____ Dump _____

Location (lat/long, stations) _____ Tide Stage _____

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

_____ Water Temp. Surface _____ Below mid-depth _____

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead _____ Deflector_____

Stbd Draghead _____ Deflector_____

Port Inflow, Mid _____

Port Inflow, Aft_____

Stbd Inflow, Mid_____

Stbd Inflow, Aft_____

Comments _____

Load # _____ Date ____/____/____ Start _____ End _____ Dump _____

Location (lat/long, stations) _____ Tide Stage _____

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

_____ Water Temp. Surface _____ Below mid-depth _____

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead _____ Deflector_____

Stbd Draghead _____ Deflector_____

Port Inflow, Mid _____

Port Inflow, Aft_____

Stbd Inflow, Mid_____

Stbd Inflow, Aft_____

Comments _____

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

Observers On Duty: _____ Andrew Jackson / Ravi Kumar _____

Endangered Species Observer Program
Dredge: Dodge Island.
Project: Brownsville Channel

Load # 82 Date 12/18/03 Start 0104 End 0400 Dump 0428
Location (lat/long, stations) Same Tide Stage -0.03
Weather (wind dir. beaufort, sea state, temp, etc.) 10-15 mph N, clear
Water Temp. Surface 18.8 C Below mid-depth
Are there incidents involving endangered or protected species? (Yes) **No**
Note biological samples:
Port Draghead Chelonia mydas (fresh dead whole) Deflector clear
Stbd Draghead clear Deflector clear
Port Inflow, Mid clear
Port Inflow, Aft open
Stbd Inflow, Mid clear
Stbd Inflow, Aft open
Comments Skimmer clear

Load # Date / / Start End Dump
Location (lat/long, stations) Tide Stage
Weather (wind dir. beaufort, sea state, temp, etc.)
Water Temp. Surface Below mid-depth
Are there incidents involving endangered or protected species? **Yes** **No**
Note biological samples:
Port Draghead Deflector
Stbd Draghead Deflector
Port Inflow, Mid
Port Inflow, Aft
Stbd Inflow, Mid
Stbd Inflow, Aft
Comments

Load # Date / / Start End Dump
Location (lat/long, stations) Tide Stage
Weather (wind dir. beaufort, sea state, temp, etc.)
Water Temp. Surface Below mid-depth
Are there incidents involving endangered or protected species? **Yes** **No**
Note biological samples:
Port Draghead Deflector
Stbd Draghead Deflector
Port Inflow, Mid
Port Inflow, Aft
Stbd Inflow, Mid
Stbd Inflow, Aft
Comments

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

Observers On Duty: Andrew Jackson / Ravi Kumar