ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Dodge Island

Project: Brownsville channel

DAILY REPORT

Date 12 / 01 / 03

Loads Numbers: 1

Areas Worked: (Geographic Names, Lat /Long, Stations): 26°03.384 N 97°11.009W
26°02.877 N 97°11.846 W

Weather Conditons (sea state, air temp, cloud cover, wind speed & dir.): clear wind 0-10
seas 3-4

Range of H2O Surface Temperature: 73

Condition of Screening and Deflectors: Good

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

Comments (type of material being dredged, biological specimens, turtle and whale sightings, etc):

Material is Mud

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observers On Duty: R. Kumar A. Trautman

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge: Dodger Island

Project: Brownsville channel

DAILY REPORT

Date 12 / 02 / 03

Loads Numbers: 2-6

Areas Worked: (Geographic Names, Lat /Long, Stations): 26°03 -> 97° 10 Brownsville channel

Weather Conditons (sea state, air temp, cloud cover, wind speed & dir.): clear, calm, 2knts SW

Range of H2O Surface Temperature: 73° - 76°

Condition of Screening and Deflectors: 100% ok

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

Comments (type of material being dredged, biological specimens, turtle and whale sightings, etc):

no bio specimens
no turtles
F. truncatus sightings
clay, sand, spartina

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observers On Duty: R. Kumar, J. Troutman

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge: Dodge Island

Project: Brownsville

DAILY REPORT

Date Dec 13 /03

Loads Numbers: 7 – 13

Areas Worked: (Geographic Names, Lat /Long, Stations): 2605257N 9710869W
2602735 N 9712021 W

Weather Conditons (sea state, air temp, cloud cover, wind speed & dir.): Clear/Pt cloudy 80's
SE@5-10 B-3 Seas 2-4

Range of H2O Surface Temperature: 73

Condition of Screening and Deflectors: Good Draghead3+ Inflows are monitered as well as skimmers (inflows are closed)

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

Comments (type of material being dredged, biological specimens, turtle and whale sightings, etc):

Material is Mud

No turtles sighted or taken

Abiota metal

Biotic EEL + ray + catfish

two Didos caught 1 Green sea turtle

Port ~~Drad~~ Draghead offline for most of the Day

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. truncatus	1	1 by gettiers	

Observers On Duty: J. Troutman / R. Kumar

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge: Dodge Island

Project: Brownsville

DAILY REPORT

Date 12 / 4 / 03

Loads Numbers: 14 -21

Areas Worked: (Geographic Names, Lat /Long, Stations): 26 03 956 9709 909
26 03 951N 9710083

Weather Conditons (sea state, air temp, cloud cover, wind speed & dir.): Pt. cloudy Seas 2-4
80's (air temp)

Range of H2O Surface Temperature: 70-73

Condition of Screening and Deflectors: ~~gou~~ fair/good severe clogging makes observation difficult, clogging is very [redacted] often inflows closed. drag heads checked too

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

Comments (type of material being dredged, biological specimens, turtle and whale sightings, etc):

Material is Mud / clay

Abiota - line, rope, metal

Biota - black drum, eel, catfish

No turtles sighted or taken

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. truncatus	1	3	mouth of jetties

Observers On Duty: J. Troutman / R. Kumar

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge: Dodge Island

Project: Brownsville

DAILY REPORT

Date 12 / 5 / 03

Loads Numbers: 22-27

Areas Worked: (Geographic Names, Lat /Long, Stations):
Section 1+2, 26°03.842N 97°0.221W -> 26°02.953N 97°11.665W

Weather Conditons (sea state, air temp, cloud cover, wind speed & dir.): NE-20 cloudy R-4
Seas 4-6

Range of H2O Surface Temperature:

Condition of Screening and Deflectors: Dragheads + skimmers checked inflows closed
Screening effective anywhere from 0% - 100% depending on load
Port side clogged up and less observeable

Are there incidents involving endangered or protected species? Yes____ No____

Comments (type of material being dredged, biological specimens, turtle and whale sightings, etc):
Material is Mud/clay
Boxes (Inflow) are often clogged several times a cut
Abiota includes rope line, plastic
Biota includes catfish, blue crab
Majority of tows unobservable or partially observed due to clay clogs

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. truncatus	2	2	in jetties
T. truncatus	Numberous	≈25	during load 25

Observers On Duty: J. Tootman / R. Kumer

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge: Dodge Island

Project: Brownsville

DAILY REPORT

Date 12 / 6 / 03

Loads Numbers: 28 - 30

Areas Worked: (Geographic Names, Lat /Long, Stations): 26 03.868N 97 10 143

Weather Conditons (sea state, air temp, cloud cover, wind speed & dir.): Seas 3-5 NE 15 40°s to 60°s P. cloudy / clear

Range of H2O Surface Temperature: 68-69

Condition of Screening and Deflectors: Draghends + Skimmers checked. Inflows boxes closed amount of clay is hiding effectiveness of screens

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

Comments (type of material being dredged, biological specimens, turtle and whale sightings, etc):

Material is clay / Mud.

Abiotic - metal, cable

Biotic - catfish eel

No turtles sighted or taken

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observers On Duty: J. Trostman / R. Kumar

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Dodge Island

Project: Brownsville Channel

WEEKLY SUMMARY

Dates: 12/01/03 - 12/7/03 Load Numbers: 1 - 34

Areas Worked: (Geographic Names, **Lat /Long**, Stations): section 1 + 2

Range of H2O Surface Temperature (centigrade): 69 - 74

Condition/Effectiveness of Screening and Deflectors: 50% effective due to clay thousands of pounds of clay build up in boxes every 10 min needs to be flushed, observation difficult

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

Comments (type of material, by-catch species/abundance, turtle/whale sightings from the bridge, etc):

No turtle takes or sightings

Abiotic - plastic, metal, fishing line, net

Biota - catfish, eels, rays

Material - predominantly clay - sand and silt also

Bridge Watch Summary of Turtle and Large Whale Sightings

Species	# of Sightings	# of Animals	Comments
F. truncatus	5	29	exhibited normal behavior

Observer(s) On Duty _____

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge: Dodge Island

Project: Brownsville

DAILY REPORT

Date Dec / 7 / 03

Loads Numbers: 31-34

Areas Worked: (Geographic Names, Lat /Long, Stations): Section 1+2

Weather Conditons (sea state, air temp, cloud cover, wind speed & dir.): Pt cloudy seas 2-3 B-3

Range of H2O Surface Temperature: 69-70

Condition of Screening and Deflectors: Inflow boxes very frequently clogged Drag heads + skimmers monitored

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

Comments (type of material being dredged, biological specimens, turtle and whale sightings, etc):

No turtle takes or sightings

Abiota - plastic, wood, metal

Biota - catfish eel

Materials clay

50% of loads unobservable due to extensive clay clogging

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. Truncatus	throughout the Day	3	

Observers On Duty: J. Trautman / R. Rumer

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge: Dodge Island

Project: Brownsville

DAILY REPORT

Date 12 / 8 / 03

Loads Numbers: 35-37

Areas Worked: (Geographic Names, Lat /Long, Stations): Section 1 + 2, Stations 1-13
26°03.757N 97°12.023W -> 26°02.759N 97°12.023W

Weather Conditons (sea state, air temp, cloud cover, wind speed & dir.): SE 10 Knts, P. cloudy
air temp - 62°F (16.6°C)

Range of H2O Surface Temperature: 69° - 70°F (20.5°C - 21.1°C)

Condition of Screening and Deflectors: Forward inflows - 100% effective
aft inflows - opened and flushed, skimmers (overflows) - screening 100% effective

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

Comments (type of material being dredged, biological specimens, turtle and whale sightings, etc):

Fresh green sea turtle taken - dead Chelonia mydas
abiota -> rope, metal, fishing line
biota -> catfish, eel

* corps of engineers gave order to keep dredging after turtle was taken, and to go ahead with opening aft inflows

See additional pages

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. truncatus	20	20	Normal behavior

Observers On Duty:

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge: Dodge Island

Project: Brownsville Channel

DAILY REPORT

Date 12 / 09 / 03

Loads Numbers: 38 - 41

Areas Worked: (Geographic Names, Lat /Long, Stations): Sections 1 + 2, Stations 1-13
26°03.254 97°10.369W → 26°02.735N 97°12.021W

Weather Conditons (sea state, air temp, cloud cover, wind speed & dir.): Nor winds 10 - 35 mph
partly cloudy seas increasing through day from 2 - 8 ft

Range of H2O Surface Temperature: 71° F

Condition of Screening and Deflectors: Forward inflows - 100%, AFT inflows 0% (open)
Skimmers (overflow) 100%

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

Comments (type of material being dredged, biological specimens, turtle and whale sightings, etc):

* AFT inflow doors open to prevent clay build-up and unobservable conditions

- abiota → plastic, metal, rope, fishing line
- biota → rays, eels, catfish, shad
- No turtles sighted or taken

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observers On Duty: Ravi Kumar / J. Troutman

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge: Dodge Eslund

Project: Brownsville

DAILY REPORT

Date 12 / 10 / 03

Loads Numbers: 42 - 45

Areas Worked: (Geographic Names, Lat /Long, Stations): section 1+2

Weather Conditons (sea state, air temp, cloud cover, wind speed & dir.): NW 50 kt calming throughout the day, Seas 4-6 P. cloudy, B-4

Range of H2O Surface Temperature:

Condition of Screening and Deflectors: Front Inflow screens remain closed Aft are open Both are monitered as well as skimmers + Drag heads

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

Comments (type of material being dredged, biological specimens, turtle and whale sightings, etc):

Material is Clay

Abiota lineiwood, metal

Biota includes eel, ray, catfish

No turtles taken or sighted

*aft inflows open

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observers On Duty: J. Trautman / R. Kramer

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge: Dodge Island

Project: Brownsville

DAILY REPORT

Date 12 / 11 / 03

Loads Numbers: 46-49

Areas Worked: (Geographic Names, Lat /Long, Stations): station 1+2
26°03.284N 97°10.369 -> 26°02.735N 97°12.021

Weather Conditons (sea state, air temp, cloud cover, wind speed & dir.): B-3 SE-10 Seas 1-3

Range of H2O Surface Temperature: 68°F

Condition of Screening and Deflectors: good forward inflows are closed aft open both are monitered Drag heads + Skimmers are checked as well

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

Comments (type of material being dredged, biological specimens, turtle and whale sightings, etc):
Material, sday 1 Mud
No turtles sighted or taken
Abiotic netting, rope, line, metal
Biota ray, eel
~~Note~~

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observers On Duty: R. Kumar / J. Troubner

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge: Dodge Island

Project: Brownsville Channel

DAILY REPORT

Date 12 / 12 / 03

Loads Numbers: 50-55

Areas Worked: (Geographic Names, Lat /Long, Stations):
26°03.284N 97°10.319W → 26°02.735N 97°12.021W

Weather Conditons (sea state, air temp, cloud cover, wind speed & dir.):
cloudy, seas 3-4ft, air temp 60-70°F, winds 10-20 mph SW

Range of H2O Surface Temperature: 20°C

Condition of Screening and Deflectors: ~~Forward~~ Inflow screening → 50% (aft boxes open), overflow screening → 100%, Deflectors → OK

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

Comments (type of material being dredged, biological specimens, turtle and whale sightings, etc):
Fresh whole dead Chelonia mydas recovered from stbd skimmer at end of load 53
* army corps of engineers gave order to keep dredging
Two Didos (trawler) caught 1 Chelonia mydas at roughly the same time as turtle was caught on the Dodge Island. Turtle caught on trawler was relocated in good condition.
Material is clay + mud, some sand
abiota → net, line, plastic, metal
Biota → catfish, eel, rays, fish, sea grass
* overflow screening is proving to be effective. Debris, rays, fish, eels, and seagrass are all being caught in skimmer screen. 1 Chelonia mydas caught in stbd skimmer.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. truncatus	1	20	

Observers On Duty:

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge: Dodge Island

Project: Brownsville Channel

DAILY REPORT

Date 12 / 13 / 03

Loads Numbers: 56-60

Areas Worked: (Geographic Names, Lat /Long, Stations):
26°03.284N 97°10.369W → 26°02.735N 97°12.021W

Weather Conditons (sea state, air temp, cloud cover, wind speed & dir.): 62°F - 71°F
rainy and clearing up, heavy winds out of north dying down

Range of H2O Surface Temperature: 20°C

Condition of Screening and Deflectors: inflows -> 50.0° (aft boxes open)
overflows -> 100.0°, Deflectors -> OK

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

Comments (type of material being dredged, biological specimens, turtle and whale sightings, etc):
No turtles sighted or taken * Two Didos caught 9th Chelonia mydas
Biota - rays, eels, fish, sea weed
abiota - fishing line, rope, metal, plastic
Material being dredged - clay, silt, sand
* Two Didos (trawler) doing great job of relocating turtles that would otherwise be in the way of the Dodge Island Forward inflows clogging often w/clay

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. truncatus	1	6	

Observers On Duty: R. Kumar / J. Trautman

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge: Dodge Island

Project: Brownsville Channel

DAILY REPORT

Date 12 / 14 / 03

Loads Numbers: 61 - 65

Areas Worked: (Geographic Names, Lat /Long, Stations): Stations 1 - 13
26°03.284 N 97°10.3694 W -> 26°02.735 N 97°12.021 N

Weather Conditons (sea state, air temp, cloud cover, wind speed & dir.): Winds out of SW 10mph, P. cloudy, 72°F - 78°F air temp

Range of H2O Surface Temperature: 20°C

Condition of Screening and Deflectors: inflow -> 30%, overflow - 100%
Deflectors - OK

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

Comments (type of material being dredged, biological specimens, turtle and whale sightings, etc):
No Turtle sightings or takes
Biota - rays, eels, fish, seagrass
Abiota - trash
Forward inflow boxes becoming clogged very frequently making observing difficult to impossible.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observers On Duty: R. Kumar / J. Sheldon / J. Trautman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Dodge Island

Project: Brownsvill Channel

14 WEEKLY SUMMARY

Dates: 12 / 7 / 03 - 12 / 14 / 03 Load Numbers: 31 - 65

Areas Worked: (Geographic Names, **Lat /Long**, Stations): 26° 03.318N 97° 10.281W -> 26° 02.735N 97° 12.031W

Range of H2O Surface Temperature (centigrade): 20°C

Condition/Effectiveness of Screening and Deflectors: inflows -> 50%
overflows -> 100%, Deflectors -> clear

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

Comments (type of material, by-catch species/abundance, turtle/whale sightings from the bridge, etc):

1 Chelonia mydas (fresh, dead, whole) caught on 12/8/03 in stbd inflow

1 chelonia mydas (fresh, dead, whole) caught on 12/12/03 in stbd skimmer

Biota - rays, fish, eels, sea weed

* aft inflows opened on corps orders

* forward inflows clogged and flushed frequently, difficult to observe

Bridge Watch Summary of Turtle and Large Whale Sightings

Species	# of Sightings	# of Animals	Comments
T. truncatus	6	76	

Observer(s) On Duty R. Kumar / J. Trautman / J. Sheldon

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge: Dodge Island

Project: Brownsville channel

DAILY REPORT

Date 12 / 15 / 03

Loads Numbers: 67 - 72

Areas Worked: (Geographic Names, Lat /Long, Stations):
26°03.32N 97°10.281W -> 26°02.735N 97°12.021W

Weather Conditons (sea state, air temp, cloud cover, wind speed & dir.):
clear, wind SW 10-15 mph

Range of H2O Surface Temperature: 18.88°C - 20°C

Condition of Screening and Deflectors: inflows -> 50.1°, overflows 100.1° (except load 65

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

Comments (type of material being dredged, biological specimens, turtle and whale sightings, etc):
Material - clay, silt, sand
Biota - rays, eels, fish, seagrass
No turtles taken or sighted.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observers On Duty: R. Kumar / J. Sheldon

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge: Dodge Island

Project: Brownsville Channel

DAILY REPORT

Date 12 / 16 / 03

Loads Numbers: 72-75

Areas Worked: (Geographic Names, Lat /Long, Stations):
26°03.318N 97° 10.281W -> 26°02.735N · 97°12.021W

Weather Conditons (sea state, air temp, cloud cover, wind speed & dir.):
North winds to 20-25 mph, clear, offshore 10-14ft

Range of H2O Surface Temperature: 18.8°C - 19.0°C

Condition of Screening and Deflectors: inflows - 50.1° overflows - 100.1°

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

Comments (type of material being dredged, biological specimens, turtle and whale sightings, etc):
No turtles taken or sighted.
Biota, - fish, seagrass
abiota - trash
* aft inflows open

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observers On Duty: R Kumar / J. Sheldon

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge: Dodge Island

Project: Brownsvill Channel, Tx

DAILY REPORT

Date 12 / 17 / 03

Loads Numbers: 76-80

Areas Worked: (Geographic Names, Lat /Long, Stations): Brownsvill Channel
26°03.917N 97°10.113W -> 26°02.636N 97°12.036W

Weather Conditons (sea state, air temp, cloud cover, wind speed & dir.): N - 10-15mph, clear
1-2 ft seas offshore

Range of H2O Surface Temperature: 18.8 - 18.9°C

Condition of Screening and Deflectors: Inflow screening -> 50% (after boxes open)
overflow screening -> 100%, Deflectors - OK

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

Comments (type of material being dredged, biological specimens, turtle and whale sightings, etc):
No turtles sighted or taken
Biota - fish, sea grass
abiota - trash
Material - clay, silt, sand

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observers On Duty: R. Kumar / J. Shelton

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge: Dodge Island

Project: Brownsville Channel

DAILY REPORT

Date 12 / 18 / 03

Loads Numbers: 81 - 82

Areas Worked: (Geographic Names, Lat /Long, Stations):
26°03.318N 97°10.281W -> 26°02.735N 97°12.021W

Weather Conditons (sea state, air temp, cloud cover, wind speed & dir.):
North 5-10 mph, clear, seas offshore 2-3 ft

Range of H2O Surface Temperature: 18.8°C - 18.9°C

Condition of Screening and Deflectors: inflows -> 50% effective (aft boxes open)
overflows -> 100%

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

Comments (type of material being dredged, biological specimens, turtle and whale sightings, etc):
1 fresh dead whole Chelonia mydas caught in port draghead on load 82

Biota - 1 Chelonia mydas, seagrass, fish, rays, eels

abiota - trash

material - clay, silt, sand

* Project terminated at 1850 on 12/18

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observers On Duty: J. Sheldon / R. Kumar

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Dodge Island

Project: Brownsville Channel

WEEKLY SUMMARY

Dates: 12/15/03 - 12/18/03 Load Numbers: 66 - 82

Areas Worked: (Geographic Names, **Lat /Long**, Stations): 26°03.318N 97°10.281W → 26°02.735N 97°12.021W

Range of H2O Surface Temperature (centigrade): 18.8°C - 20°C

Condition/Effectiveness of Screening and Deflectors: inflows - 50.1° effective (aft board OPEN) overflows 100.1° effective

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

Comments (type of material, by-catch species/abundance, turtle/whale sightings from the bridge, etc):

1 chelonia mydas, 12/18/03, fresh dead whole, caught in Port dighead, on load 82

* Project terminated at 1850 on 12/18

Biota - 1 chelonia mydas, seagrass, fish, rays, eels

abiota - trash

material - clay, silt, sand

Bridge Watch Summary of Turtle and Large Whale Sightings

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty R. Kumar / J. Sheldon