ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 08 / 07-08 95 Loads: NA

Area(s) Worked: Stations 80-140

Weather Conditions: NA

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

Condition of all screening apparatus: In good working order

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

Comments (type of material being dredged, biological specimens, etc.):

Observers reported to marina monday morning as scheduled. No dredge or crew boat was sighted. Observers called around and and discovered dredge was delayed and will be in tomorrow afternoon. Observers aboard on tuesday afternoon.

One test load was dug to test screening equipment and to get observers and crew familiar with the equipment. Project to commence at midnight.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Eric Westerman, Wendi Weber

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 08 / 09 / 95 Loads: 01-14

Area(s) Worked: Stations 80-140

Weather Conditions: Partly cloudy, Winds variable 15-30 knots, Seas 3-6

Range of H_2O Temperature: Surface 30 c Below Mid-Depth 28-30 c

Condition of all screening apparatus: In good working order

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

Comments (type of material being dredged, biological specimens, etc.):

The dredge is equipped with 100% inflow screening. There are four discharge boxes, two forward and two aft. These are the boxes observers will be cleaning and inspecting for turtle parts. These discharge boxes are screened with 4"x4" heavy duty bar. The aft boxes are equipped with a door so debris can be removed easily. The forward discharge cages debris can easily be cleaned by throwing debris over the top screen. There are also four lateral screens inside the pipe. Two on the starboard side and two on the port side. These screens will be left alone for safety reasons. Debris in the pipe should flow back to the discharge cages. All three dragheads are equipped with the new style turtle deflector. Center draghead will be checked from above for safety concerns.

Samples have varied in quantity. Samples mainly consist of trash, wood, clay, pen shell, eels, catfish and rock.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	1	1	Bottlenose dolphin

Observer(s) On Duty: Eric Westerman, wendi Weber

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 08 / 10 / 95 Loads: 01-12

Area(s) Worked: Stations 80-140-38-55

Weather Conditions: Mostly cloudy, Winds E-NE 10-30 knots, Seas 3-7

Range of H_2O Temperature: Surface 30 c Below Mid-Depth 30 c

Condition of all screening apparatus: Intact and in good working order.
Will try to improve method of opening and closing aft doors.
Will try some kind of u bolt instead of using a nut and bolt.

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

Comments (type of material being dredged, biological specimens, etc.):

Started to use a sign and tag method to the pump switches 464-465 in the engine room. This is a safety precaution for the observers. This means when the observer is in the discharge cages cleaning the pump cannot be turned on by accident.

Samples today remain mainly trash, wood, clay, pen shell, catfish, blue crabs, oyster shell, whelks, rock, old turtle bone and rope. Inflow sampling system working good.

Material digging is mud and clay. Although the clay has not been sampled in large quantities yet, samples have been increasing.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		13	Bottlenose dolphins

Observer(s) On Duty: Eric Westerman, Phil Tonne

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 08 / 11 / 95 Loads: 01-16

Area(s) Worked: Stations 80-140-38-55

Weather Conditions: Stormy, rain, Winds E 10-50 knots, Seas 3-8

Range of H_2O Temperature: Surface 28-29-30 c Below Mid-Depth 28-29 c

Condition of all screening apparatus: In good working order. New pins used in aft landers to open and close door with, works great.

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

Comments (type of material being dredged, biological specimens, etc.):

Samples to mainly consist of trash, net twine and clay. Other samples include eels, whelks, pen shell, catfish, sargassum, blue crabs, wood, clams, old turtle bone, spiny lobster, dolly varden crab, rock and cement.

Inflow sampling system is in good working order. All safety procedures for the observers are working fine for the crew and observers.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		19	Bottlenose dolphins

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 08 / 12 / 95 Loads: 01-16

Area(s) Worked: Stations 80-140-38-55

Weather Conditions: Cloudy, rain, Winds E, SE 15-50 knots, Seas 3-7

Range of H_2O Temperature: Surface 30 c Below Mid-Depth 29-30 c

Condition of all screening apparatus: Intact and in good working order.

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

Comments (type of material being dredged, biological specimens, etc.):

The majority of the samples is trash. The trash mainly consist of a very fine black synthetic line. This material is used as some kind of a protection guard that trawlers use on their nets. This material is sampled in every load. Each discharge box has a couple of milk crate quantities of this material in it. Most of the other trash consist of the usual marine debris, pvc pipe, tire parts, engine hardware, oil filters, rags, rope, ice and salt bags, plastic and soda cans. Biological samples have been small in quantity, mainly consisting of catfish, sargassum, eels and assorted shells.

Material digging is mostly mud and some clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		1	Bottlenose dolphin

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 08 / 13 / 95 Loads: 01-19

Area(s) Worked: Stations 80-140

Weather Conditions: Overcast, rain, Winds SE, E 10-20 knots, Seas 1-5

Range of H_2O Temperature: Surface 28-29 c Below Mid-Depth 28-29 c

Condition of all screening apparatus: Intact and in good working order. Note forward discharge screens do have doors, but debris is more quickly cleaned out by throwing debris over the top of the screen.

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

Comments (type of material being dredged, biological specimens, etc.): Sample quantities varied today from sparse to heavy amounts of debris. Some loads had a increased amount of trash. Sample diversity was the same with the exception of sampling some decomposed rays. There were four loads dug today with large quantities of clay in it. Material digging mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
None			

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 08 / 14 / 95 Loads: 01-02

Area(s) Worked: Stations 80-140

Weather Conditions: Partly cloudy, Winds Se 10-15 knots, Seas 3-4

Range of H_2O Temperature: Surface 29 c Below Mid-Depth 29 c

Condition of all screening apparatus: Intact and in good working order.

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

Comments (type of material being dredged, biological specimens, etc.):

Dredge dumps load 02 at 0217 and goes into port for a lay period. Dredge ties up at 0700 and will leave tomorrow afternoon to commence dredging again.

Loads 01-02 normal debris sampled, mostly trash.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
None			

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

WEEKLY SUMMARY

Dates: 08 / 07 / 95 - 08 / 14 / 95 Loads: 79 loads

Range of H_2O Temperature: Surface 28-30 c Below Mid-Depth 28-30 c

Area(s) Worked: Stations 80-140-38-55

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

Comments: No incidents or sightings of any sea turtles this week. This is the first week of dredging for the wheeler with the turtle screens, Teds and observers. The 100% inflow screening system set up here has worked very fine. This is a well designed system for observers to use. Light hatch doors to enter the discharge cage and doors put in the aft cages so observers can get rid of debris when cleaning the screens. Good operating safety procedures were implemented for observers. Observer tag and turn off pump before entering the discharge cages. An AB with a radio is always with the observer when we are making or inspection. The captain and crew have been helpful to observers in anyway possible.

Samples this week have mainly consist of this very fine synthetic line. This synthetic material is used as a protection guard for trawlers nets. This material is found in large quantities in every load. Other marine trash makes up most of whats being sampled in this area. Clay is only sampled periodically in this area. Biological samples have been small in quantity, mainly consisting if catfish, eel, whelks, blue crabs, sargassum and assorted shells.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		34	Bottlenose dolphins

Observers On Duty: Eric Westerman, Wendi weber, Phil Tonne, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 08 / 15 / 95 Loads: 01-07

Area(s) Worked: Stations 55-38-210-140

Weather Conditions: Partly cloudy, Winds SE 15-20 knots, Seas 3-5

Range of H_2O Temperature: Surface 29 c Below Mid-Depth 29 c

Condition of all screening apparatus: Intact and working fine.

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

Comments (type of material being dredged, biological specimens, etc.):

Dredge begin to depart the dock at 1230. Dredging starts again at 1447. After one load at statios 55-38 dredge moves to a new area stations 140-210. Samples in this area remain the same, except for smaller in quantity. Samples mostly trash and wood. Biological samples have been small in this area, one bluecrab&whelk. One new sample found in area 55-38, stargazer.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		3	Bottlenose dolphins

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 08 / 21 / 95 Loads: 01-23

Area(s) Worked: Stations 100+500-140+00-80+00-190+00

Weather Conditions: Partly cloudy & clear, Winds S_SE 5-20 knots, Seas 1-4

Range of H_2O Temperature: Surface 30 c Below Mid-Depth 30 c

Condition of all screening apparatus: Inflow screening intact and working fine. Screens on top of the dragheads repaired.

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

Comments (type of material being dredged, biological specimens, etc.):

The screens on top of the center draghead were repaired today. There are two screened openings on top of each of the center dragheads. These areas are screened so not to suck in any small turtles. This morning three of the six bars left became undone. These bars were welded back into place as the dragarm was being greased. The other opening with no bars on it has been closed since 08-17-95 and remains closed.

Samples today have been larger in quantity but sample diversity remains the same. Mainly consisting of seaweed, trash, nets, rope, catfish, whelks, southern stingrays, lesser electric rays, blue crabs and crabtraps.

Correction, two daily reports were turned in with the date of 18th. The daily report with 24 loads should read as the 17th daily report.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
No sightings			

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 08 / 16 / 95 Loads: 01-21

Area(s) Worked: Stations 140-210-38-55

Weather Conditions: Partly cloudy, Winds SE 5-20 knots, Seas 1-4

Range of H_2O Temperature: Surface 29 c Below Mid-Depth 29 c

Condition of all screening apparatus: Intact and in good working order.

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

Comments (type of material being dredged, biological specimens, etc.):

Samples remain mainly trash and wood. Biological sample are small in quantity include pen shell, blue crabs, flounder, whelks and sea stars. Some old weathered turtle bone pieces have also been sampled today.

Water temperatures are taken at the NW corner of the cut or the low station number. When dredge makes its turn to dig this is when temperatures are taken.

Material is mud from 140-210 and mud with small amounts of clay in it from 38-55.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		7	Bottlenose dolphins

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 08 / ~~18~~ 17 / 95 Loads: 01-~~24~~ 19 24

Area(s) Worked: Stations 140-210-120

Weather Conditions: Partly cloudy, Winds SE 5-20 knots, Seas 1-4

Range of H_2O Temperature: Surface 30 c Below Mid-Depth 30 c

Condition of all screening apparatus: Intact and in good working order.

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

Comments (type of material being dredged, biological specimens, etc.):

There are openings on all three drags on the top of the draghead. These openings are screened with welded bars. The center draghead has the largest holes, one on top of each draghead. The starboard center draghead had lost both screened bars it had on it. So the door on top was closed. The door will stay closed till an opportune time comes to weld new bars in again. All other bars on top of the dragheads are intact with the exception of the inboard starboard draghead which is missing one bar. This gap is about eight inches. If the other bar comes off the door can be closed. This bar can be replaced at the next lay period or if an opportune time comes before.

Samples remain mainly trash, wood, seaweed, whelks, catfish, flounder, blue crabs, mantis shrimp and sargassum.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		12	Bottlenose dolphins

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 08 / 18 / 95 Loads: 01-17

Area(s) Worked: Stations 140-210

Weather Conditions: Sky variable, Winds SE 10-15 knots, Seas 1-3

Range of H_2O Temperature: Surface 30 c Below Mid-Depth 30 c

Condition of all screening apparatus: In good working order.

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

Comments (type of material being dredged, biological specimens, etc.):

Samples remain mainly trash, wood, seaweed, blue crabs, flounder, pen shell, catfish, eel and mantis shrimp.

On the starboard drag, outside draghead, inside screen, one bar is missing. If the other bar falls out the hatch can be closed. The outside dragheads have the smaller openings. These openings often get tangled with rope debris making the openings smaller. This opening on top of the draghead looks to be approximately eight inches.

After dumping load 17 at 1405 dredge goes on the hook to do some mechanical repairs.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		6	Bottlenose dolphins

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 08 / 19 / 95 Loads: 01-19

Area(s) Worked: Stations 140-210

Weather Conditions: Partly cloudy and clear, Winds Variable 5-15 knots, Seas 1-3

Range of H_2O Temperature: Surface 30 c Below Mid-Depth 30 c

Condition of all screening apparatus: In good working order.

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

Comments (type of material being dredged, biological specimens, etc.):

Dredging commenced at 0912 when repairs were finished. Still digging in stations 140-210 but moved to the toe lines. Samples have increased in quantity in this area. Samples include trash, wood, seaweed, catfish, pen shell, eels, blue crabs, southern stingrays, lesser electic rays, whelks, rock, crab traps, net, cutlassfish and sea stars.

Material digging is mud.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		2	Bottlenose dolphins

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 08 / 20 / 95 Loads: 02-30

Area(s) Worked: Stations 140-210

Weather Conditions: Clear & partly cloudy, Winds variable calm to 20 knots, Seas calm to 3

Range of H_2O Temperature: Surface 30 c Below Mid-Depth 30 c

Condition of all screening apparatus: In good working order.

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

Comments (type of material being dredged, biological specimens, etc.):

Samples today mainly consist of trash, wood, nets, crabtraps, seaweed, lesser electric rays, southern stingrays, blue crabs, dolly varden crabs, eels, sargassum, catfish, old turtle bone, cable, rope, whelks, pen shell, rock and rags.

Inflow sampling system working fine. Material digging is mud and silt.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		8	Bottlenose dolphin

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

WEEKLY SUMMARY

Dates: 08 / 15 / 95 - 08 / 21 / 95 Loads: 140 loads

Range of H_2O Temperature: Surface 29-30 c Below Mid-Depth 29-30 c

Area(s) Worked: Stations 140-210-55-38-120-190-80-100+500

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

Comments: No incidents or sightings from the dredge occurred this week with any sea turtles. The inflow sampling system has worked fine this week and has stayed intact. The screens on top of the dragheads have not held up and have needed some repairs. These repairs have been done in a timely manner. When the gaps between the bars on the dragheads become to large the door is closed or new bars have been welded on. This will prevent any small turtle from being sucked in from the top of the draghead.

Samples this week have included blue crabs, catfish, southern stingrays, lesser electric rays, dolly varden crabs, stargazer, sea stars, sargassum, whelks, eels, seaweed, flounder, pen shell, mantis shrimp, cutlassfish, nets, rock, cable, rope, crabtraps, wood and trash mainly consisting of plastic, aluminum cans, fishing line, plastic bottles, cans, engine parts and net bags.

Material digging this week has been mud and silt. Water temperatures are taken at the NW coroner of the cut or the low station number when dredge turns around. Bottlenose dolphins are sighted almost everyday in the cut area. Although bridge watch is at a minimum due to observers spend most of the time on deck cleaning screens, checking dragheads, turning off pumps or typing load sheets with the fast cycle time.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		38	Bottlenose dolphins

Observers On Duty: Eric Westerman, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 08 / 22 / 95 Loads: 01-24

Area(s) Worked: Stations 140+00-80+00-100+500

Weather Conditions: Sky variable, light rain, Winds calm to 10 knots, Seas 1-3

Range of H_2O Temperature: Surface 29-30 c Below Mid-Depth 29-30 c

Condition of all screening apparatus: In good working order.

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

Comments (type of material being dredged, biological specimens, etc.):

Still sampling alot of debris on the toe line. Samples mainly consist of trash, wood, seaweed, catfish, nets, crabtraps, blue crabs, southern stingrays, eels, lesser electric rays, whelks, cable and clay.

Starboard draghead will not be used until flex hose is repaired. Port and center draghead have all screens on top still intact, or door is closed. New welded bars are holding up.

Material digging is mud, silt and small amounts of clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
5		5	Bottlenose dolphins

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 08 / 23 / 95 Loads: 01-19

Area(s) Worked: Stations 80+00-130+00-140+00-55+00-38+00

Weather Conditions: Partly cloudy, rain, Winds variable 5-18 knots, Seas 1-3

Range of H_2O Temperature: Surface 30 c Below Mid-Depth 30 c

Condition of all screening apparatus: In good working order.

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

Comments (type of material being dredged, biological specimens, etc.):

Dredge moved inside the jetty area at stations 55+00-38+00 on load 16. Samples remained the same at first. Then dredge started to pick up some clay in loads 17-19. Clay samples were mostly small in quantity. On 08-24-95 early in the morning clay quantities increased and clogged inflow baskets causing some problems. These problems will be discussed in 08-24-95 daily report. Other samples in this new area have mostly been the same with increased quantities of rock and shell mostly consisting of oysters, bay scallops, whelks and cockles.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		22	Bottlenose dolphins

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 08 / 24 / 95 Loads: 01-18

Area(s) Worked: Stations 55+00-38+00-80+00-160+00

Weather Conditions: Sky variable, rain, Winds variable, light airs to 20 knots, Seas 1-4

Range of H_2O Temperature: Surface 30 c Below Mid-Depth 30 c

Condition of all screening apparatus: Inflow sampling system intact and working fine. Port and center drags that are being used have all bars intact or door closed Starboard fore hatch door has broken anchor bolt, see report for hatches.

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

Comments (type of material being dredged, biological specimens, etc.): The hatch doors are closed for the loading process. Although doors have stayed closed for for the loading process the hatch handles have not been put all the down. Due to the sand and wear and tear on the hatches handles its been increasingly more difficult to close handles all the way. But this has not been a problem because the hatches usually dont have alot of pressure on them. But while digging a load cage became clogged with clay and put pressure on the starboard aft hatch and the hatch blew open spilling material out. This also happen to the port side even though hatch door stayed closed. This clay can easily flushed out of the screens. To close hatch doors as secure as possible observers stand on the handle and jump to close hatch. Doors can be opened with hand or a crowbar. If forward inflow cages clog up most of the material will shoot out over the hopper and back into it. But the forward inflow cages have openings above the hatches that will make material flow on to the deck. But by keeping a watch on the cages and flushing clay when it starts to back up this should help control the clogging problem.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		7	Bottlenose dolphins

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 08 / 25 / 95 Loads: 01-26

Area(s) Worked: Stations 140+00-160+00-80+00-210+00

Weather Conditions: Partly cloudy, Winds variable 5-20 knots, Seas 1-3

Range of H_2O Temperature: Surface 30 c Below Mid-Depth 30 c

Condition of all screening apparatus: Inflow screening in good working order.

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

Comments (type of material being dredged, biological specimens, etc.):

Samples remain mainly trash, wood, shell, blue crabs, sargassum, catfish, sea stars, eels, spider crabs, flounder, fishing nets, crabtraps, cable, lesser electric rays, southern stingrays and seaweed.

Material digging mud and silt.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
No sightings			

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 08 / 26 / 95 Loads: 01-26

Area(s) Worked: Stations 118+00-113+00-108+00137+00-140+00-210+00

Weather Conditions: Partly cloudy and clear, Winds light airs to 10 knots, Seas

Range of H_2O Temperature: Surface 30-31 c Below Mid-Depth 30-31 c

Condition of all screening apparatus: Inflow screening in good working order.

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

Comments (type of material being dredged, biological specimens, etc.):

Inflow samples remain medium to small in quantity. Samples mostly consist of trash, wood, net, rope, blue crabs, shell, sargassum, catfish, lesser electric rays, southern stingrays, flounder, eels, sea stars, pen shell, whelks, cable, rock and cement pieces, old turtle bones and oyster shell. Still digging on the port and center drags. Material digging is mud and silt.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		2	Bottlenose dolphins

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 08 / 27 / 95 Loads: 01-25

Area(s) Worked: Stations 80+00-70+00-108+00-137+00-90+00-135+00-147+00-140+00 210+00-118+00-113+00

Weather Conditions: Sky variable, rain, Winds variable 5-10 knots, Seas 1-2

Range of H_2O Temperature: Surface 30-31 c Below Mid-Depth 30-31 c

Condition of all screening apparatus: Inflow screens in good working order.

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

Comments (type of material being dredged, biological specimens, etc.):
Dredge digging mostly cleanup work on the toe line. Samples remain mainly trash, wood, cable, net, crabtraps, rock, clay, blue crabs, whelks, catfish, eels, sargassum, southern stingrays, lesser electric rays and shell. Material digging is mud, silt and small amounts of clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		14	Bottlenose dolphins

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 08 / 28 / 95 Loads: 01-02

Area(s) Worked: Stations 80+00-90+00-108+00-137+00

Weather Conditions: Partly cloudy, Winds SE 5-10 knots, Seas 5-10 knots

Range of H_2O Temperature: Surface 30 c Below Mid-Depth 30 c

Condition of all screening apparatus: Inflow screening in good working order.

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

Comments (type of material being dredged, biological specimens, etc.):

Dredge dug two loads today before going into port for a lay day. Dredge should be departing on the 29th at 1600 to go back to work.

While at the dock observer crawls up into the inflow pipes to check on lateral screens. All screens inside the pipe are in good shape.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 08 / 29 / 95 Loads: 01

Area(s) Worked: Stations 30+00-38+00-55+00

Weather Conditions: Clear, Winds SE 10 knots, Seas calm

Range of H_2O Temperature: Surface 30 c Below Mid-Depth 30 c

Condition of all screening apparatus: Inflow screens in good working order.

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

Comments (type of material being dredged, biological specimens, etc.):
Dredge commenced digging at 1942. One load dug inside the jetties. Clay samples were light in quantity.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		20	Inside area

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 08 / 30 / 95 Loads: 01-08

Area(s) Worked: Stations 38+00-55+00-29+0038+00-6-30-32+00

Weather Conditions: Partly cloudy, Winds variable calm to 10 knots, Seas 1-2

Range of H_2O Temperature: Surface 30-31 c Below Mid-Depth 30-31 c

Condition of all screening apparatus: Inflow screening fine. One bar is missing from the center draghead. Hatches were worked on today and they are much more easy to close and secure.

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

Comments (type of material being dredged, biological specimens, etc.):

While digging in the inside section clay samples have increased. This has caused inflow cages to back up with clay. This material is easy to flush out with the strong flushing pressure from the dredge, but to hose and clean out by hand it takes a couple of hours. So now when dredge goes to the dump observer checks the dragheads then forward cages. When the dredge dumps the cages are flushed. This cleans out most of the clay. Then observer tags out the pumps and goes and cleans out the debris in the cages. This is a safe and time saving method.

Other than clay other samples include rock, wood, trash, blue crabs, flounder, sargassum, whelks, shell, catfish and lesser electric rays.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		16	Bottlenose dolphins

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

WEEKLY SUMMARY

Dates: 08 / 22 / 95 - 08 / 30 / 95 Loads: 149

Range of H_2O Temperature: Surface 29-30-31 c Below Mid-Depth 29-30-31 c

Area(s) Worked: Stations 140+00-80+00-100+500-130+00-55+00-38+00-160+00-210+00
137+00-118+00-113+00-70+00-147+00-90+00- 29+00-6-30-32+00

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

Comments: No turtles were sampled or sighted this week by the observers. Although one turtle was reported to be sighted by a crew member near the marina entrance.

Samples this week mainly consisted of trash, wood, clay, rock, whelks, catfish, southern stingrays, lesser electric rays, flounder, blue crab, spider crabs, oyster shell, eels, pen shell, sargassum and old turtle bones.

Inflow sampling system is still working well. While dredge was at the dock observer walked the inflow pipe to check lateral screens, all screens are intact. One bar from the center draghead came off this week. The hatches have been hard to work with but the crew has worked on them and they are in better shape. Clay has been a problem this week. While working on the inside sections the clay has clog the inflow screens and displaced material on to the deck. A new system for cleaning the clay has started. While the dredge dumps the load the cages are flushed, this cleans out most of all of the clay. The captain and crew members have continued to be helpful in making repairs and resolving clay problems and making the observer program run smoothly. Material digging this weeks is mud, silt, sand and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		86	Bottlenose dolphins

Observers On Duty: Eric Westerman, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 08 / 31 / 95 Loads: 01-09

Area(s) Worked: Stations 6+30-32+00-29+00-38+00

Weather Conditions: Partly cloudy, Winds SE 10 knots, Seas 1-3

Range of H_2O Temperature: Surface 30-31 c Below Mid-Depth 30-31 c

Condition of all screening apparatus: Inflow screening fine, draghead bars the same.

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

Comments (type of material being dredged, biological specimens, etc.):

Clay samples have been small in quantity. Samples in this area mainly consist of trash, rock, wood, catfish, whelks, oyster shell, pen shell and decomposed southern stingrays and lesser electric rays.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		26	About 10 Tt are always sighted in the inner basin.

Observer(s) On Duty: Eric Westerman, Peter Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 09 / 01 / 95 Loads: 01-09

Area(s) Worked: Stations 32+00-6-30+00-29+00-38+00

Weather Conditions: Partly cloudy to cloudy, Winds variable 10 knots, Seas 1-3

Range of H_2O Temperature: Surface 30-31 c Below Mid-Depth 30-31 c

Condition of all screening apparatus: Inflow screens fine, draghead bars the same.

Are there incidents involving endangered or protected species? Yes_____ No__x__

Comments (type of material being dredged, biological specimens, etc.):

Two sea turtles were sighted today. One turtle was sighted near the coast guard dock as new observer was waiting for the crew boat. This sighting was at 0800. The other sighting was at 1127 when the dredge was traveling back to the cut area. The turtle was sighted near the marine science center dock on the south side of the channel. Neither sighting was good enough to identify the species.

Clay samples continue to be small in these stations. The loads are only flushed out when working in stations 32+00-6-30. This is not due to clay in the cages but normal dumping procedures when digging this type of material. Samples remain the same with the exception of picking up more decomposed rays and fish. Material digging is sand, silt and small amounts of clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Unidentified turtle		2	0800 97-03'36" W 27-59'-25" N 1127 97-03'57" W 27-50'-16" N
Tt		22	Bottlenose dolphins

Eric Westerman, Craig Crumbley

Observer(s) On Duty:

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 09 / 02 / 95 Loads: 01-10

Area(s) Worked: Stations 29+00-38+00-32+00-6-30

Weather Conditions: Sky variable, Winds variable 5-20 knots, Seas 1-3

Range of H_2O Temperature: Surface 30-31 c Below Mid-Depth 30-31 c

Condition of all screening apparatus: Inflow screening intact and working fine. All the doors on top of the center draghead closed, three of four doors closed on the port side and two of four doors closed today on the starboard side.

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

Comments (type of material being dredged, biological specimens, etc.): Clay samples have been increasing in stations 32+00+6-30. Clay samples in stations 29±00-32+00 are still small in quantity. Other samples include rock, wood, trash, southern stingrays, catfish, catfish, filefish, mud crabs, spotted eagle ray, whelks, shell, eel, blue crabs and flounder. Nine of the twelve screened openings on top of the dragheads are now closed. Material digging is sand, silt and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		18	Bottlenose dolphins
			Always about 10 Tt in inner basin

Observer(s) On Duty: Eric Westerman, Craig Crimbley

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 09 / 03 / 95 Loads: 01-09

Area(s) Worked: Stations 32+00-6+30-29+00-38+00

Weather Conditions: Partly cloudy, Winds variable to 10 knots, Seas 1-2

Range of H_2O Temperature: Surface 30 c Below Mid-Depth 30 c

Condition of all screening apparatus: Inflow screening fine. Two of the three doors left open on top of the dragead closed, one door open on the starboard side. Port aft hatch door hard to open and close again.

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

Comments (type of material being dredged, biological specimens, etc.):

Clay samples in stations 32+00-6+30 continue to get larger in quantity. Samples are not large enough to clog inflow screens and spill material on to the deck. It is not certain or not that if the cages fill up with clay that the hatch covers will stay closed. The clay is flushed out at the end of the load but most of the clay stays in the cages and needs to be picked out. Other samples remain the same, mostly trash, rock, wood, catfish, blue crabs, whelks, southern stingrays and shell.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		26	Bottlenose dolphins

Observer(s) On Duty: Eric Westerman, Craig Crumbly

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 09 / 04 / 95 Loads: 01-02

Area(s) Worked: Stations 32+00-6+30

Weather Conditions: Clear, Winds Southerly 3-10 knots, Seas 1-2

Range of H_2O Temperature: Surface 30 c Below Mid-Depth 30 c

Condition of all screening apparatus: Inflow screening intact.

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

Comments (type of material being dredged, biological specimens, etc.):

After two loads center cable broke, ship went to anchor for repairs the rest of the day. Dredge got on the way alittle before midnight to start dredging again.

The two loads dug today were loaded with clay. It was found by only flushing the two fore inflow cages or the two aft cages at one time this flushing pressure is enough to wash most of the clay out of the cages. This greatly reduces the observers cleaning time.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
No sightings			

Observer(s) On Duty: Eric Westerman, Craig Crumbly

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 09 / 05 / 95 Loads: 01-09

Area(s) Worked: Stations 29+00-38+30-32+00-6+30

Weather Conditions: Partly cloudy, Winds variable light to 18 knots, Seas 1-3

Range of H_2O Temperature: Surface 31 c Below Mid-Depth 30-31 c

Condition of all screening apparatus: Screens intact and working fine. Hatch doors greased. Starting to use forward doors in the discharge cages.

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

Comments (type of material being dredged, biological specimens, etc.): Clay samples today light or medium in quantity. Other samples mainly included wood, rock, trash, shell, blue crabs, flounder and southern stingrays.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		31	Bottlenose dolphins

Observer(s) On Duty: Eric Westerman, Craig Crumbly

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 09 / 06 / 95 Loads: 01-09

Area(s) Worked: Stations 29+00-38+00-32+00-6-30

Weather Conditions: Clear and partly cloudy, Winds light airs to 12 knots, Sea 1-3

Range of H_2O Temperature: Surface 30-32 c Below Mid-Depth 30-31 c

Condition of all screening apparatus: Inflow system intact and working fine.

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

Comments (type of material being dredged, biological specimens, etc.):

Clay samples today were very small in quantity. No clay was sampled in stations 29+00-38+00. Biological samples have been minimum. Samples mainly consist of rock, wood and trash.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		28	Bottlenose dolphins

Observer(s) On Duty: Eric Westerman, Craig Crumbly

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

WEEKLY SUMMARY

Dates: 08 / 31 / 95 - 09/ 06 / 95 Loads: 57 loads

Range of H_2O Temperature: Surface 30-31-31 c Below Mid-Depth 30-31 c

Area(s) Worked: Stations 32+00-6+30-29+00+38+00

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

Comments: No turtles were sampled this week. Two sea turtles were sighted this week by the observers. Neither sighting was right in the digging area. Both sightings were on the morning of the 1st. First sighting was in the marina area by the coast guard station at 97-03'-36"W, 27-59'-25" N. Second sighting was on the south side of the channel near the marine science center dock at 97-03'-57" W, 27-50'-16"N. Neither sighting was good enough to identify the species.

Samples this week have mainly consisted of clay, rock, wood, trash, shell, cable, catfish, flounder, blue crabs, southern stingrays, lesser electric rays, eels, mud crabs and filefish.

Dredging production continues to be high and sampling system continues to work well. Dredge has been digging up some clay in certain areas. But the observers and crew members have come up with good methods to effectively clean the inflow cages in a timely manner so not to effect the production.

All doors except one have been closed on top of the dragheads. The one door open on the starboard side is fully screened. Material digging is sand, silt and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		151	Bottlenose dolphins
Unidentified turtle		2	

Observers On Duty: Eric Westerman, Craig Crumbley

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 09 / 07 / 95 Loads: 01-10

Area(s) Worked: Stations 29+00-38+00-30+00-55+00-32+00-6+30

Weather Conditions: Sky variable, Winds light airs to 15 knots, Seas 1-3

Range of H_2O Temperature: Surface 30-31 c Below Mid-Depth 30-31 c

Condition of all screening apparatus: Inflow screening fine. One open screen on top of the starboard draghead fine. Hatch doors remain the same.

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

Comments (type of material being dredged, biological specimens, etc.): Picking up a good amount of clay in stations 32+00-6+30. Samples in stations 29+00-38+00 usually consist of small amounts of rock and wood. Biological samples have been small in each area.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		18	Bottlenose dolphins

Observer(s) On Duty: Eric Westerman, Craig Crumbly

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 09 / 08 / 95 Loads: 01-09

Area(s) Worked: Stations 55+00-38+00-29+00

Weather Conditions: Partly cloudy, Winds variable 3-15 knots, Seas 1-3

Range of H_2O Temperature: Surface 31 c Below Mid-Depth 31 c

Condition of all screening apparatus: Inflow screening fine. Hatch doors greased today.

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

Comments (type of material being dredged, biological specimens, etc.):

Digging up large amounts of clay on certain loads in stations 55+00-38+00. On one load aft cages clogged up with clay and spilled some material on the deck. Hatches stayed closed while this happend. When the front cages became clogged the clay formed a hill and spilled material over the top. This doesn't happen often, only when very large amounts of clay are being dug. There are plans to put a top screen on the fore cages to catch debris. These Plans were made at the start of the project to be done when dredge ties up at LA. This will be better for sampling especially when dredge is digging in a area with alot of debris or when making long or numerous cuts. But when digging alot of clay this will also compound the problem. This clay doesn't flush out or hose out, observers pick and clean clay as fast as possible. When cages become this clogged with clay it takes observers some extra time to fully clean cages.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		8	Bottlenose dolphins

Eric Westerman, Craig Crumbly

Observer(s) On Duty:

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 09 / 10 / 95 Loads: 01-10

Area(s) Worked: Stations 29+00-38+00-55+00

Weather Conditions: Clear and partly cloudy, Winds variable 3-10 knots, Seas 1-2

Range of H_2O Temperature: Surface 30 c Below Mid-Depth 30 c

Condition of all screening apparatus: Inflow screening fine.

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

Comments (type of material being dredged, biological specimens, etc.):

While digging in stations 55+00-38+00 clay samples continue to be medium to full in quantity. On two loads today aft cages clogged up with clay. On these loads all four cages were full of clay. Observers tried using the the fire hose to wash out the clay. Shovels and picking the clay out was also tried. These loads were also flushed on the way to the dump. But these methods are time consuming. Observers are working on the quickest way to clean the cages of clay. Today if the clay samples continue to be in large quantities a combination of picking and double flushing will be tried. This should help to bring the cleaning time down. Other samples include wood, trash, catfish, blue crabs, southern stingrays, flounder and shell.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
No sightings			

Observer(s) On Duty: Eric Westerman, Craig Crumbly

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 09 / 13 / 95 Loads: 01-09

Area(s) Worked: Stations 38+00-55+00-29+00

Weather Conditions: Partly cloudy, rain, Winds southerly 10-18 knots, Seas 2-5

Range of H_2O Temperature: Surface 30 c Below Mid-Depth 30 c

Condition of all screening apparatus: Inflow screening fine. All screened doors on top of dragheads are closed except for one on the port side and one on the starboard side, openings are fully screened.

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

Comments (type of material being dredged, biological specimens, etc.): Still picking up a good amount of clay in stations 38+00-55+00. Other samples in this area include trash, rock, southern stingrays and blue crabs. Samples in stations 29+00-38+00 are small in quantity mainly consisting of wood, trash, shell and southern stingrays.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		9	Bottlenose dolphins

Observer(s) On Duty: Craig Crumbley, Eric Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 09 / 14 / 95 Loads: 01-09

Area(s) Worked: Stations 29+00-38+00-55+00

Weather Conditions: Cloudy, rain, Winds variable 10-20 knots, Seas 1-4

Range of H_2O Temperature: Surface 30 c Below Mid-Depth 30 c

Condition of all screening apparatus: Inflow screening fine.

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

Comments (type of material being dredged, biological specimens, etc.):

Right after load one at approximately 0105 when the center draghead was being brought up the AB sighted a turtle swimming around in the support beam structure. Observer was notified right away and went down to check it out. Observer sighted a dark olive-grey small turtle swimming in this area, approximately 12" x 14" carapace. Observer could not sight any injuries to the turtle. The turtle was trapped in a supporting beam structure for the center draghead pipe. This area is enclosed by a small wall that stands a foot or two on each side of the aft draghead pipe. This is just a support structure for the aft pipe with walls and a floor surrounding the draghead. The turtle was swimming around in this area but had no way to get out. This area is approximately a 20'drop from the deck when the dredge is full. This is not a sampling area or a place observers would check for a turtle. Continued next page

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		16	Bottlenose dolphins

Observer(s) On Duty: Eric Westerman, Craig Crumbley

Date: 09 / 14 / 95

Additional Comments: The water in this area was turbulent. Not being being very familiar with this area observer was worried about the turtle being crushed or pinched against the pipe. The observer thought the safest thing to do for the turtle would be to let the dragarm down a couple of feet and let the turtle escape. As the dredge was approaching the dump the dredge was slowing down and the dragarm was put down a couple of feet. The turtle immediately swam over the wall and dived down. The turtle seemed to escape uninjured. This turtle must have been swimming in the area at the end of cut. When the drag was being brought up the turtle must of got caught in this area. This appears just to be a freak accident that the turtle got caught. But with help from the crew and the observer the turtle seemed to escape with no harm. This area the turtle was picked up at was the north side of the channel and just past the jetty area. The observers will keep a check on this area as part of the routine when the observer makes the inspections of the dragheads and inflow cages. This turtle was a juvenile sized kemp's ridley.

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 09 / 15 / 95 Loads: 01-13

Area(s) Worked: Stations 38+00-55+00-100+00-150+00

Weather Conditions: Partly cloudy, Winds SE 10-15 knots, Seas 2-5

Range of H_2O Temperature: Surface 30 c Below Mid-Depth 30 c

Condition of all screening apparatus: Inflow screening in good working order.

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

Comments (type of material being dredged, biological specimens, etc.): Started to clean up stations 100+00-150+00, samples remain the same from before mostly trash, wood, blue crabs, eels, whelks, dolly varden crab, pen shell and flounder. Samples in stations 38+00-55+00 remain mostly clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		8	Bottlenose dolphins

Observer(s) On Duty: Eric Westerman, Craig Crumbley

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 09 / 16 / 95 Loads: 01-13

Area(s) Worked: Stations 150+00-210+00-29+00-38+00-100+00

Weather Conditions: Sky variable, Winds SE 12-30 knots, Seas 2-6

Range of H_2O Temperature: Surface 30-31 c Below Mid-Depth 30-31 c

Condition of all screening apparatus: Inflow screening in good working order.

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

Comments (type of material being dredged, biological specimens, etc.):

Load four seven pieces of a juvenile loggerhead was sampled in the starboard aft and fore inflow cages. The right rear flipper, two pieces of the carapace, some posterior plastron, vertebrae, intestines and muscle mass was sampled. Samples had no foul order and blood. Two pieces of carapace were reddish brown in color and had several barnacles on it. The right rear flipper was yellow and white in color and measured 24cm x 9.8cm. Two claws on the flipper, 1.5cm x 0.8 and 0.9cm x 0.5cm. Posterior part of the plastron sampled. Measured 21 cm from the anal to femoral scute. The cervical vertebrae was sampled 24cm x 8cm. One piece of intestine was found 106cm. Muscle with some bone was also sampled 24cm x 8cm. One of the pieces of carapace measured 22cm x 16cm, this piece had 3½ marginal scutes. The other piece had 6 marginal scutes and ½ precentral scute. The cut area the turtle was sampled in was outside the jetty area. This area is being cleaned up with instuctions to keep the drags on the bottom. Pumps are being turned off when the drags are lifted. Turtle remains were photographed and weighted down and disposed of at the material placement site.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		18	Bottlenose dolphins

Observer(s) On Duty: Eric Westerman, Craig Crumbley

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 09 / 17 / 95 Loads: 01-13

Area(s) Worked: Stations 29+00-38+00-54+00-150+210+00

Weather Conditions: Sky variable, Winds Se 5-28 knots, Seas 1-4

Range of H_2O Temperature: Surface 31 c Below Mid-Depth 30-31 c

Condition of all screening apparatus: Inflow screening in good working order.

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

Comments (type of material being dredged, biological specimens, etc.):
Cleanup work continues, samples mainly small in quantity consisting of trash, wood, rock, blue crabs, mud crabs, southern stingrays and whelks. Except when dredge is digging in stations 38+00-54+00, samples are large in quantity mainly consisting of clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		16	Bottlenose dolphins

Observer(s) On Duty: Eric Westerman, Craig Crumbley

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

DAILY REPORT

Date: 09 / 18 / 95 Loads: 01-05

Area(s) Worked: Stations 29+00-38+00-54+00

Weather Conditions: Partly cloudy, Winds variable light airs to 20 knots, Seas2-

Range of H_2O Temperature: Surface 30 c Below Mid-Depth 30 c

Condition of all screening apparatus: Inflow screening in good working order

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

Comments (type of material being dredged, biological specimens, etc.):

Dredge dug cleanup in stations 38+00 to 54+00, samples consisted medium amounts of clay. Stations 29+00-38+00 samples were small in quantity mainly consisting of trash and wood. Project completed late afternoon.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		17	Bottlenose dolphins
			Sighting 6-12 Tt in inner basin
			consistently.

Observer(s) On Duty: Eric Westerman, Craig Crumbley

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *WHEELER* - Corpus Christi, TX
USACE, Galveston District

WEEKLY SUMMARY

Dates: 09 / 07 / 95 - 09 / 18 / 95 Loads: 105

Range of H_2O Temperature: Surface 30-31 c Below Mid-Depth 30-31 c

Area(s) Worked: Stations 29+00-38+00-30+00-55+00-32+00-6+30-100+00-150+00-210+00 54+00

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

Comments: There were two incidents this week involving sea turtles. On the 14th a Kemp's ridley was temporarily trapped in the center drag pipe support beam structure. This happened as the dragarm was being brought up as the dredge was heading to the disposal site. The dragarm was lowered a couple of feet and the turtle swam away unharmed. On the 16th a juvenile loggerhead was sampled in the starboard aft and fore inflow cages. The turtle was found in several pieces. The parts were documented and photographed. The loggerhead was sampled in a cleanup area outside the jetties, material in this area is mud and silt. The mates have turned off the pumps on a regular basis when the drags are lift. While digging in this cleanup area instructions have been to keep the drags on the bottom. Although they are ridges on the bottom surface in this area.

This was the first time for the dredge to be equipped with turtle cages and TEDs. The captain and crew were cooperative throughout the project and kept up with all the specifications. Observers were able to preform their job in a good and safe environment The only delays to the project is when the dredge was picking up large amounts of clay, this took observers more time to clean than it would take to get back to the cut. The already planned new top screens for the fore cages is a good idea. A new hatch system would also be a good improvement.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		96	Bottlenose dolphins

Observers On Duty: Eric Westerman, Craig Crumbley