Dredge Mermentau

Project ~~Freeport Entrnce Channel~~

DAILY REPORT

Date: 09 / 30 / 99 Loads: 01-05

Area(s) Worked: Stations -40-110, -75--100

Weather Conditions: Skies partly cloudy, Winds easterly 8'-12' knots, Seas 3'-5'

Range of H_2O Temperature: Surface 26°C Below Mid-Depth 26°C

Condition of all screening apparatus: OK

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 and overflow screening. Both the port and starboard side have two lateral inflow openings screened. Both have a lander with damn like screening at the end of it. Both overboard discharge boxes are screened. The overflow weirs in the hopper also have been screened. All screens are 4"x4" in size. Both dragheads are equipped with the ridge style T.E.D.s.

Material dug is mud and clay. Observers will be taking water temperatures in the cut every eight hours.

Samples today consisted of shell, wood, clay and trash.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	4	6	Bottlenose Dolphins

Observer(s) On Duty: Eric Westerman, Irene Briga

Dredge MERMENTAU

Project FREEPORT

DAILY REPORT

Date: 10 / 01 / 99 Loads: 6-28

Area(s) Worked: STATION 75-100 GOOD VISIBILITY

Weather Conditions: PT'LY CLOUDY, WINDS 5-10 KNOTS SE'LY, 2-3' E'LY SWELL

Range of H_2O Temperature: Surface 25.5 °C Below Mid-Depth 25.5 °C

Condition of all screening apparatus: GOOD

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

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

... MATERIAL BEING DREDGED CONSISTS OF SILT, MUD AND CLAY

... 1 CRAB IS THE ONLY BIOLOGICAL SAMPLE

... BOXES CONTAIN MOSTLY PLASTICS, FISHING LINE, WOOD AND CLAY.

... ϕ SIGHTINGS OF TURTLES ϕ INCIDENTS

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt (BottleNose)	8	1-4	HANGING BETW. BOUYS 3 & 4 SLOW SURFACE TRAVEL

Observer(s) On Duty: Eric WESTERMAN, Irene Briga

Dredge Mermentau

Project Freeport Entrance Channel

DAILY REPORT

Date: 10 / 02 / 99 Loads: 29-53

Area(s) Worked: Stations 75-100

Weather Conditions: SKies partly cloudy, Winds E-SE 5-20 knots, Seas 2'-4'

Range of H_2O Temperature: Surface 25.5-26C Below Mid-Depth 25.5-26C

Condition of all screening apparatus: OK

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

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

Samples today consisted of clay, wood, trash, shell and whelk egg casing.

Material digging is mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	4	12	Bottlenose Dolphins

Observer(s) On Duty: Eric Westerman, Irine Briga

Dredge MERMENTAU

Project FREEPORT

DAILY REPORT

Date: 10/03/99 Loads: 54-78

Area(s) Worked: STATION 75-100 GOOD VISIBILITY

Weather Conditions: CLEAR TO PTLY CLOUDY; WINDS E'LY 10 TO 15 ↓ 10 KNOTS; SEAS 2-4'

Range of H_2O Temperature: Surface 26°C Below Mid-Depth 26°C

Condition of all screening apparatus: GOOD

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

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

... MATERIAL BEING DREDGED CONSISTS OF SILT, MUD AND CLAY.

... BIOLOGICAL SAMPLES REMAIN LOW - WHELK EGG CASES AND SHELLS.

... BOXES AND DRAG HEADS CONTAIN DEBRIS (LINES, NETS, RAGS, CABLES, PLASTICS, WOOD AND CLAY).

Ø SIGHTINGS OF TURTLES Ø INCIDENTS

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TY	3	1-6	

Observer(s) On Duty: ERIC WESTERMAN - IRENE BRIGA

Dredge MERMENTAU

Project FREEPORT ENTRANCE

WEEKLY SUMMARY

Dates: 09/30/99 - 10/03/99 Loads: 01 - 78

Range of H_2O Temperature: Surface 25.5° - 26° C Below Mid-Depth 25.5° - 26° C

Area(s) Worked: STATION 75-100

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

Comments:

... THERE WERE NO SIGHTINGS OR INCIDENTS INVOLVING SEA TURTLES.

... SAMPLES THAT WERE FOUND IN THE BOXES AND DRAG HEADS WERE 1 CRAB, SOME WHELK EGG CASES AND WHELK SHELLS (ONLY A FEW)... THE MAJORITY COLLECTED WAS DEBRIS - ALOT OF PLASTIC, FISH NETS AND LINES, RAGS, WOOD AND CLAY

... MATERIAL BEING DUG CONSISTS OF SILT, MUD AND CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
BOTTLENOSE DOLPHIN	19	1-6	APPEAR TO BE THE SAME SMALL POD BY SIZE AND MARKINGS. (RESIDENT POPULATION?).

Observers On Duty: ERIC WESTERMAN / IRENE BRIGA

Dredge Mermentau

Project Freeport Entrance Channel

DAILY REPORT

Date: 09 / 04 / 99 Loads: 79-94

Area(s) Worked: Staions 75-100

Weather Conditions: Skies partly cloudy, Winds E_NE 10-20 knots, Seas 4'-5'

Range of H2O Temperature: Surface 26°C Below Mid-Depth 26°C

Condition of all screening apparatus: OK

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 and clay. Material digging is mud and clay. The dredge went into port after load 94 for minor repairs.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	3	29	Bottlenose Dolphins

Observer(s) On Duty: Eric Westerman, Irine Briga

Dredge MERMENTAU

Project FREEPORT ENTRANCE

DAILY REPORT

Date: 10/05/99 Loads: 95-96

Area(s) Worked: STATION 35-110

Weather Conditions: CLEAR, WINDS ENE 15-20 KNOTS; SE'LY SWELL 5-7'

Range of H_2O Temperature: Surface 26°C Below Mid-Depth 26°C

Condition of all screening apparatus: OK.

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

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

... THERE WERE NO SIGHTINGS OR INCIDENTS INVOLVING SEA TURTLES.

... MATERIAL BEING DREDGED CONSISTS OF SILT, MUD AND CLAY.

... BOXES CONTAINED TRASH, WOOD AND CLAY. THERE WERE NO BIOLOGICAL SPECIMENS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt (BOTTLENOSE DOLPHIN)	1	1-2	

Observer(s) On Duty: Irene Briga ERIC WESTERMAN

Dredge Mermentau

Project Freeport Entrance Channel

DAILY REPORT

Date: 10 / 06 / 99 Loads: 97-112

Area(s) Worked: Staions -35-110

Weather Conditions: Skies clear, Winds E NE 15-20 knots, Seas 4'-5'

Range of H_2O Temperature: Surface 26°C Below Mid-Depth 26°C

Condition of all screening apparatus: OK

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

Comments (type of material being dredged, biological specimens, etc.): Samples today consisted of clay, wood, shell, sea whips, whelk egg case and trash. Material digging is mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt.	7	28	Bottlenose Dolphins

Observer(s) On Duty: Eric Westerman, Irine Briga

Dredge MERMENTAU

Project FREEPORT ENTRANCE

DAILY REPORT

Date: 10 / 07 / 99 Loads: 97-112

Area(s) Worked: STATION 35-110 / STATION 40 - 00+00

Weather Conditions: PT'LY CLOUDY TO CEAR, WINDS ENE 15-20 KNOTS, SW TO NE 5 KNOTS, ELY Swells 3-5 1-2

Range of H_2O Temperature: Surface 25.5° - 26° C Below Mid-Depth 25.5° - 26° C

Condition of all screening apparatus: OK

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

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

... THERE WAS 1 SIGHTING OF AN ADULT LOGGERHEAD TURTLE AT 11:08.. POSITION - 28°55.762'N 95°17.364'W

THERE WERE NO INCIDENTS INVOLVING SEA TURTLES.

... BIOLOGICAL SAMPLES FOUND REMAIN FEW. THERE WERE SEAWHIPS, WHELK EGG CASES, SHELLS AND GRASS.

... THE MAJORITY OF SAMPLES CONTINUE TO BE DEBRIS (IN BOXES AND DRAGHEADS) - PLASTICS, RAGS, FISHING LINES, NETS, ROPES, CHAIN, SEISMIC CABLE, WOOD AND CLAY WERE FOUND.

... MATERIAL BEING DREDGED CONSISTS OF SILT, MUD AND CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
CC (Caretta caretta)	1	1	ADULT LOGGERHEAD TURTLE
Tt (Bottlenose) DOLPHIN	7	6-10	TOTAL COUNT 34 (REPEAT SIGHTINGS) HANGING AROUND THE JETTIES ALL DAY.

Observer(s) On Duty: BRIGA / WESTERMAN

Dredge Mermentau

Project Freeport Entrance Channel

DAILY REPORT

Date: 10 / 08 / 99 Loads: 131-151

Area(s) Worked: Stations -40+00-110+00-00+00

Weather Conditions: Skies partly cloudy, Winds southerly 5-10 knots, Seas 2'-4'

Range of H_2O Temperature: Surface 26°C Below Mid-Depth 26°C

Condition of all screening apparatus: ok

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

Comments (type of material being dredged, biological specimens, etc.): Samples today consisted of clay, wood, rock, trash and shell. Digging larger amounts of clay on some loads. Material digging is mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	3	6	Bottlenose Dolphins

Observer(s) On Duty: Eric Westerman, Irine Briga

Dredge MERMENTAU

Project FREEPORT ENTRANCE

DAILY REPORT

Date: 10/09/99 Loads: 152 - 173

Area(s) Worked: -40 -110 +00

Weather Conditions: PARTLY CLOUDY, WINDS NE 5-15 KNOTS; 3-5' E'LY SWELL/2-3' SEAS

Range of H_2O Temperature: Surface 26°C Below Mid-Depth 26°C

Condition of all screening apparatus: OK.

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

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

THERE WERE NO SIGHTINGS OR INCIDENTS INVOLVING SEA TURTLES.

THE DRAGHEADS AND BASKETS CONTINUE TO BE SPARSE WITH BIOLOGICAL SPECIMENS - ONLY A FEW WHELK EGG CASES. THEY ALSO CONTAIN SOME SHELLS AND GRASS.... THE MAJORITY OF SAMPLES FOUND ARE DEBRIS - PLASTICS, FISHING GEAR (NYLON LINE, POLY NETS, WIRES, HOOKS AND ROPES).

MATERIAL BEING DREDGED CONSISTS OF SILT, MUD AND CLAY.

THE WELD WAS BROKEN ON THE STARBOARD LANDER SCREEN. THE NECESSARY REPAIRS WERE MADE FOR PROPER FUNCTIONING.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TT	2	11	
BOTTLENOSE DOLPHIN			

Observer(s) On Duty: WESTERMAN / BRIGA

Dredge Mermentau

Project Freeport Entrance Channel

DAILY REPORT

Date: 10 / 10 / 99 Loads: 174-194

Area(s) Worked: Stations -40+00-110+00

Weather Conditions: Skies partly cloudy, Winds NE 10-15 knots, Seas 2'-4'

Range of H_2O Temperature: Surface 26°C Below Mid-Depth 26°C

Condition of all screening apparatus: OK

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

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

Samples today consisted of clay, trash, wood, shell, whelk egg casing and sea grass.

Material digging is mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	2	10	Bottlenose Dolphins

Observer(s) On Duty: Eric Westerman, Irine Briga

Dredge Mermentau

Project Freeport Entrance Channel

WEEKLY SUMMARY

Dates: 10 / 04 / 99 - 10 / 10 / 99 Loads: 79-194

Range of H_2O Temperature: Surface 25.5-26°C Below Mid-Depth 25.5-26°C

Area(s) Worked: Stations -40+00-110+00-00+00-35+00-75+00

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

Comments: No sea turtles were detected killed or injured this week. One adult loggerhead sea turtle was sighted this week in the project area. The turtle was sighted near the mouth of the jetties.

Samples this week mainly consisted of clay, trash, wood, shell, whelk egg casing, sea grass, rock and nets.

The starboard lander screen was repaired this week. The T.E.D.s and all other screens remain in good working order.

Material digging is mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Cc	1	1	Loggerhead sea turtle
Tt	23	116	Bottlenose Dolphins

Observers On Duty: Eric Westerman, Irine Briga

Dredge MERMENTAU

Project FREEPORT ENTRANCE

DAILY REPORT

Date: 10 / 11 / 99 Loads: 195 - 215

Area(s) Worked: STATIONS: -40+00 - 110+00 / 00+00 - 40+00

Weather Conditions: PARTLY CLOUDY; WINDS NE'LY 10↓5 KNOTS; SEAS 1-2'

Range of H_2O Temperature: Surface 26°C - 27°C Below Mid-Depth 26°C - 27°C

Condition of all screening apparatus: OK.

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

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

... THERE WERE NO SIGHTINGS OR INCIDENTS INVOLVING SEA TURTLES.

... DEBRIS CONTINUES TO BE THE MAJORITY OF SAMPLES FOUND IN THE DRAGHEADS AND BOXES. PLASTICS, NYLON FISHING LINES, NETS, HOOKS, ROPE AND RAGS ALONG WITH WOOD AND AN ABUNDANCE OF CLAY WERE FOUND.

... BIOLOGICAL SAMPLES STILL REMAIN FEW - THEY WERE WHELK EGG CASES, SHELLS, GRASSES AND TANGLED ROOTS.

... THERE HAS ALSO BEEN AN ABUNDANCE OF JELLY FISH IN THE CUT BY THE JETTIES.

... MATERIAL BEING DUG CONSISTS OF SILT, MUD AND CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TT	4	6	REPEAT SIGHTINGS
BOTTLENOSE DOLPHIN			

Observer(s) On Duty: BRIGA / WESTERMAN

Dredge Mermentau

Project Freeport Entrance Channel

DAILY REPORT

Date: 10 / 12 / 99 Loads: 216-230

Area(s) Worked: Stations 00+00-40+00

Weather Conditions: Skies partly cloudy, Winds NE 10-15 knots, Seas 2'-3'

Range of H_2O Temperature: Surface 26°C Below Mid-Depth 26°C

Condition of all screening apparatus: OK

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

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

Samples today consisted of mainly wood, shell, clay and trash. Material digging is mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	2	8	Bottlenose Dolphins

Observer(s) On Duty: Eric Westerman, Irine Briga

Dredge MERMENTAU

Project FREEPORT ENTRANCE

DAILY REPORT

Date: 10/13/99 Loads: 231-249

Area(s) Worked: 00+00 - 40+00

Weather Conditions: PARTLY CLOUDY; WINDS E 15↓05 KNOTS; SEAS 3↓1'

Range of H_2O Temperature: Surface 26°C-27°C Below Mid-Depth 26°C-27°C

Condition of all screening apparatus: OK

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

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

THERE WERE NO SIGHTINGS OR INCIDENTS INVOLVING ANY ENDANGERED OR PROTECTED SPECIES.

THERE WERE A SCARCE AMOUNT OF WHELK EGG CASES COLLECTED AS BIOLOGICAL SPECIMENS. THE MAJORITY FOUND IN THE LANDERS AND DRAGHEADS CONTINUES TO BE DEBRIS FOR SAMPLES IN THIS AREA.

MATERIAL BEING DREDGED CONSISTS OF MUD AND CLAY.

THERE REMAINS AN ABUNDANCE OF JELLY FISH IN THE CUT BETWEEN THE JETTIES.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
7 (BOTTLENOSE DOLPHIN)	5	6-10	REPEAT SIGHTINGS AT CUT BY THE JETTIES

Observer(s) On Duty: BRIGA / WESTERMAN

Dredge Mermentau

Project Freeport Entrance Channel

DAILY REPORT

Date: 10 / 14 / 99 Loads: 249-271

Area(s) Worked: Stations -110+00-40+00, 00+00-40+00

Weather Conditions: Skies partly cloudy, Winds Easterly 5-10 knots, Seas 1'-3'

Range of H_2O Temperature: Surface 26-27°C Below Mid-Depth 26-27°C

Condition of all screening apparatus: Good

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

Comments (type of material being dredged, biological specimens, etc.): Samples today consisted of trash, shell, whelk egg cases, wood and clay. Material digging is mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	3	11	Bottlenose Dolphins

Observer(s) On Duty: Eric Westerman, Irine Briga

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge MERMENTAU

Project FREEPORT ENTRANCE

DAILY REPORT

Date: 10/15/1999 Loads: 272 - 292

Area(s) Worked: STATION -110 +00 - 40 +00

Weather Conditions: PARTLY CLOUDY; WINDS E→SE 5-10 KNOTS; 2-4' SWELL

Range of H_2O Temperature: Surface 26°C Below Mid-Depth 26°C

Condition of all screening apparatus: OK

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

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

THERE WERE NO SIGHTINGS OR INCIDENTS INVOLVING ENDANGERED OR PROTECTED SPECIES.

BIOLOGICAL SPECIMENS REMAIN LOW IN NUMBERS - FOUND IN BASKETS AND DRAGHEADS WAS THE USUAL DEBRIS CONSISTING OF PLASTICS, NYLON FISHING LINE, ROPES, CABLES SOME HOOKS ALONG WITH WOOD, CLAY AND GRASSES. ALSO A FEW WHELK SHELLS AND EGG CASES WERE FOUND.

MATERIAL BEING DREDGED CONSISTS OF MUD AND CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TT (BOTTLENOSE DOLPHIN)	5	4-6	CUT - Buoy's #3-5

Observer(s) On Duty: BRIGA / WESTERMAN

ENDANGERED SPECIES OBSERVATION

Dredge: Mermentau

Project: Freeport Entrance Channel

DAILY REPORT

Date: 10 / 16 / 99 Loads: 293-314

Area(s) Worked: Stations -110+00-40+00

Weather Conditions: Skies partly cloudy, Winds SE 10 knots, Seas 2'-4'

Range of H_2O Temperature: Surface 26-27°C Below Mid-Depth 26-27°C

Condition of all screening apparatus: Good

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

Comments (type of material being dredged, biological specimens, etc.): Samples today consisted trash, wood, shell, whelk egg cases and clay. The T.E.D.s and screens remain in good working order.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	3	8	Bootlenose Dolphins

Observer(s) On Duty: Eric Westerman, Irine Briga

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge MERMENTAU

Project FREEPORT ENTRANCE

DAILY REPORT

Date: 10 / 17 / 99 Loads: 315 - 334

Area(s) Worked: -110 TOO - 40 TOO / BEGIN LOAD #324 00TOO - 40+00

Weather Conditions: CLOUDY; WINDS SE & N'LY 10-15 KNOTS; SEAS 2-4

Range of H_2O Temperature: Surface 26°C - 27C Below Mid-Depth 26°C - 27°C

Condition of all screening apparatus: GOOD

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

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

THERE WERE NO SIGHTINGS OR INCIDENTS INVOLVING SEA TURTLES OR ANY ENDANGERED OR PROTECTED SPECIES.

SAMPLES TODAY CONSISTED OF DEBRIS, CLAY, GRASSES, WOOD, SHELL AND WHELK EGG CASING.

MATERIAL BEING DREDGED CONSISTS OF MUD, SILT AND CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt (BOTTLENOSE DOLPHIN)	4	18	SOME REPEATS

Observer(s) On Duty: WESTERMAN / BRIGA

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge MERMENTAU

Project FREEPORT ENTRANCE

WEEKLY SUMMARY

Dates: 10/11/99 - 10/17/99 Loads: L95 - 334

Range of H_2O Temperature: Surface 26°C - 27°C Below Mid-Depth 26° - 27° C

Area(s) Worked: 00+00 - 40+00 / -40+00 - 110+00

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

Comments: ... THERE WERE NO SIGHTINGS OR INCIDENTS INVOLVING ENDANGERED OR PROTECTED SPECIES.

... THE CONDITION OF ALL SCREENING APPARATUS IS GOOD.

... SAMPLES CONSISTED OF AN ABUNDANCE OF DEBRIS (PLASTICS AND NYLON THE MAJORITY), GRASSES, WOOD AND CLAY. ALSO FOUND WERE A LOW NUMBER OF SHELL AND WHELK EGG CASINGS.

... THE MATERIAL BEING DREDGED CONSISTS OF MUD AND CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TT (BOTTLENOSE DOLPHIN)	26	10-18	TOTAL COUNT 85 (A LOT OF REPEAT SIGHTINGS)

Observers On Duty: WESTERMAN / BRIGA

ENDANGERED SPECIES

Dredge Mermentau

Project Freeport Entrance Channel

DAILY REPORT

Date: 10 / 18 / 99 Loads: 335-353

Area(s) Worked: Stations 00+00-40+00

Weather Conditions: Skies cloudy, rain, Winds Northerly 15-20 knots, Seas 2'-4'

Range of H_2O Temperature: Surface 25-26°C Below Mid-Depth 25-26°C

Condition of all screening apparatus: Good

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

Comments (type of material being dredged, biological specimens, etc.): Samples today consisted trash, shells, whelk egg casing, cannonball jellyfish and clay. Material digging is mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	6	30	Bottlenose Dolphins

Observer(s) On Duty: Eric Westerman, Irine Briga

ENDANGERED SPECIES OBSERVER

Dredge MERMENTAU

Project FREEPORT ENTRANCE

DAILY REPORT

Date: 10/19/99 Loads: 354-372

Area(s) Worked: 00+00 - 40+00

Weather Conditions: CLOUDY/RAIN; WINDS N'LY 15-25 KNOTS. SEAS 4-5'

Range of H_2O Temperature: Surface 25°↓24° C Below Mid-Depth 25°↓24° C

Condition of all screening apparatus: OK

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

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

... THERE WERE NO SIGHTINGS OR INCIDENTS INVOLVING SEA TURTLES OR ANY ENDANGERED OR PROTECTED SPECIES.

... SAMPLES FOUND IN THE DRAGARMS AND LANDERS CONTINUE TO BE A LARGE AMOUNT OF DEBRIS PARTICULARLY PLASTICS, ALSO WOOD, RAGS AND ALUMINUM CONTRIBUTED... OTHER SAMPLES FOUND INCLUDED GRASSES, SHELLS AND WHELK EGG CASES.

... MATERIALS BEING DREDGED ARE MUD AND CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TT (BOTTLENOSE DOLPHIN)	4	12	

Observer(s) On Duty: NESTERMAN / BRIGA

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge: Mermentau

Project: Freeport Entrance Channel

DAILY REPORT

Date: 10 / 20 / 99 Loads: 373-379

Area(s) Worked: Stations 00+00-40+00

Weather Conditions: Skies partly cloudy, Winds N 10-15 knots, Seas 3'-4'

Range of H_2O Temperature: Surface 23-24°C Below Mid-Depth 23-24°C

Condition of all screening apparatus: Good

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

Comments (type of material being dredged, biological specimens, etc.): Samples today consisted of trash, whelk egg casing, shell and clay. The dredge was in port most of the day for fuel and water.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			No sightings

Observer(s) On Duty: Eric Westerman, Irine Briga

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge MERMENTAU

Project FREEPORT ENTRANCE

DAILY REPORT

Date: 10/21/99 Loads: 380 - 398

Area(s) Worked: 00+00 - 40+00 / 40+00 - 110+00

Weather Conditions: PT'LY CLOUDY TO CLEAR ; WINDS N'LY 2 SW ; 4-6' SWELL CALM SEA

Range of H_2O Temperature: Surface 23°-24°C Below Mid-Depth 23°-24°C

Condition of all screening apparatus: OK

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

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

THERE WERE NO SIGHTINGS OR INCIDENTS INVOLVING SEA TURTLES OR ANY OTHER ENDANGERED OR PROTECTED SPECIES.

SAMPLES FOUND IN DRAGHEADS AND LANDERS WERE DEBRIS, CLAY AND A FEW SHELLS.

MATERIAL BEING DUG CONSISTS OF MUD AND CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TT (BOTTLENOSE DOLPHIN)	3	12	POSSIBLE REPEATS

Observer(s) On Duty: WESTERMAN / BRIGA

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge: Mermentau

Project: Freeport Entrance Channel

DAILY REPORT

Date: 10 / 22 / 99 Loads: 399-421

Area(s) Worked: Stations 40+00-110+00

Weather Conditions: Skies clear, Winds southerly 10 knots, Seas 2'-3'

Range of H_2O Temperature: Surface 23.5-24°c Below Mid-Depth 23.5°-24C

Condition of all screening apparatus: Good

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

Comments (type of material being dredged, biological specimens, etc.): Samples today consisted of clay, trash, shell and partial old bottlenose dolphin skull. Material digging is mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	3	6	Bottlenose Dolphins

Observer(s) On Duty: Eric Westerman, Irine Briga

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge MERMENTAU

Project FREEPORT ENTRANCE

DAILY REPORT

Date: 10/23/1999 Loads: 422-443

Area(s) Worked: 40+00 -110+00

Weather Conditions: CLEAR; WINDS N'LY 10-30 KNOTS; SEAS 3-5' & 2-3'

Range of H_2O Temperature: Surface 24°C Below Mid-Depth 24°C

Condition of all screening apparatus: OK.

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

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

THERE WAS 1 SIGHTING OF A GREEN SEA TURTLE. THERE WERE NO OTHER SIGHTINGS AND NO INCIDENTS INVOLVING ANY ENDANGERED OR PROTECTED SPECIES.

SAMPLES COLLECTED CONTINUE TO BE DEBRIS (PLASTICS AND WOOD) ALONG WITH CLAY.

MATERIAL BEING DREDGED CONSISTS OF MUD AND CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt (BOTTLENOSE DOLPHIN)	2	5	
Cm (GREEN SEATURTLE)	1	1	

Observer(s) On Duty: BRIGA / WESTERMAN

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge: Mermentau

Project: Freeport Entrance channel

DAILY REPORT

Date: 10 / 24 / 99 Loads: 444-465

Area(s) Worked: Stations 40+00-110+00

Weather Conditions: Skies clear, Winds NE 10-20 knots, Seas 2'-4'

Range of H_2O Temperature: Surface 24°C Below Mid-Depth 24°C

Condition of all screening apparatus: Good

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

Comments (type of material being dredged, biological specimens, etc.): Samples today consisted of clay, trash, spider crabs, whelk egg casing and shell. Starting to dig larger amount of clay. The inflow screens become full and overflow with clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	1	3	Bottlenose Dolphins

Observer(s) On Duty: Eric Westerman, Irine Briga

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Mermentau

Project: Freeport Entrance Channel

WEEKLY SUMMARY

Dates: 10 / 18 / 99 - 10 / 24 / 99 Loads: 335-465

Range of H_2O Temperature: Surface 23-24°C Below Mid-Depth 23-24°C

Area(s) Worked: Stations 00+00-40+00, 40+00-110+00

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

Comments: No sea turtles were detected killed or injured this week. One juvenile green sea turtle was sighted in the cut this week.

Samples consisted of clay, shell, trash, spider crabs, wood and whelk egg casing. The screens and T.E.D.s remain in good working order.

Water temperatures are taken by the observers on the dredge every eight hours. Material digging is mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Cm	1	1	Green sea turtle
Tt	20	75	Bottlenose Dolphins

Observers On Duty: Eric Westerman, Irine Briga

Dredge MERMENTAU

Project FREEPORT ENTRANCE

DAILY REPORT

Date: 10/25/1999 Loads: 466 - 487

Area(s) Worked: 40+00 - 110 / 00+00 - 40+00

Weather Conditions: CLEAR; WINDS NE 10 KNOTS; SEAS 2-3'; LOW ELY SWELL

Range of H_2O Temperature: Surface 24°C Below Mid-Depth 24°C

Condition of all screening apparatus: OK

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

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

THERE WERE NO SIGHTINGS OR INCIDENTS INVOLVING SEA TURTLES OR ANY ENDANGERED OR PROTECTED SPECIES.

SAMPLES COLLECTED WERE MOSTLY DEBRIS AND CLAY (PLASTICS, FISHING GEAR, METALS, CLOTH AND WOOD).

BIOLOGICAL SPECIMENS REMAIN LOW IN NUMBER CONSISTING OF A FEW CRABS, WHELK EGG CASES AND SHELL.

MATERIAL BEING DUG CONSISTS OF MUD AND CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
7 (BOTTLENOSE DOLPHIN)	3	20	POSSIBLE REPEAT ANIMALS

Observer(s) On Duty: BRIGA / WESTERMAN

Dredge Mermentau

Project Freeport Entrance Channel

DAILY REPORT

Date: 10 / 26 / 99 Loads: 488-504

Area(s) Worked: Stations 10+00-40+00, 40+00-110+00

Weather Conditions: Skies partly cloudy, Winds variable 5-10 knots, Seas 1'-3'

Range of H_2O Temperature: Surface 23.5-24°C Below Mid-Depth 23.5-24°C

Condition of all screening apparatus: Good

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

Comments (type of material being dredged, biological specimens, etc.): Samples today consisted of trash, clay, shell, wood and a blue crab. Material digging is mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	6	18	Bottlenose Dolphins

Observer(s) On Duty: Eric Westerman, Irine Briga

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge MERMENTAU

Project FREEPORT ENTRANCE

DAILY REPORT

Date: 10 / 27 / 99 Loads: 505 - 524

Area(s) Worked: 10+00 - 40+00

Weather Conditions: PARTLY CLOUDY; WINDS E'LY 5-15 KNOTS; SEAS 2-3'

Range of H_2O Temperature: Surface 23.5° - 24° C Below Mid-Depth 23.5° - 24° C

Condition of all screening apparatus: OK

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

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

THERE WERE NO SIGHTINGS OR INCIDENTS INVOLVING ANY SEA TURTLES OR ANY OTHER ENDANGERED OR PROTECTED SPECIES.

SAMPLES CONTINUE TO BE DEBRIS. OTHER SAMPLES COLLECTED CONSIST OF GRASSES, SHELL AND A FEW WHELK EGG CASES.

MATERIAL BEING DUG CONSISTS OF SILT, MUD AND CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TT (BOTTLENOSE DOLPHIN)	5	34	SOME REPEAT ANIMAL SIGHTINGS

Observer(s) On Duty: WESTERMAN / BRIGA

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Mermentau

Project: Freeport Entrance Channel

DAILY REPORT

Date: 10 / 28 / 99 Loads: 525-543

Area(s) Worked: Stations 10+00-40+00

Weather Conditions: Skies partly cloudy, Winds variable 10 knots, Seas 2'-3'

Range of H_2O Temperature: Surface 22-24°C Below Mid-Depth 22-24°C

Condition of all screening apparatus: Good

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

Comments (type of material being dredged, biological specimens, etc.): Samples today consisted of trash, clay, shell and whelk egg casings. Material digging is mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	2	16	Bottlenose Dolphins

Observer(s) On Duty: Eric Westerman, Heather Paige

ENDANGERED SPECIES

Dredge MERMENTAU

Project FREEPORT ENTRANCE

DAILY REPORT

Date: 10, 29, 99 Loads: 544 — 563

Area(s) Worked: STATIONS 10+00 TO -40+00

Weather Conditions: PARTLY CLOUDY, SE 10-15KTS, SEAS 2-3'

Range of H_2O Temperature: Surface 23.5°-24° C Below Mid-Depth 23.5-24° C

Condition of all screening apparatus: GOOD

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

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

SAMPLES CONSIST OF TRASH AND CLAY WITH A FEW SHELLS AND WHELK EGG CASINGS.

MATERIAL DREDGED IS MUD AND CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	1	4	AT DUMP SITE
Tt	IN DIG & DUMP AREA		ALL DAY

Observer(s) On Duty: HEATHER PAIGE, ERIC WESTERMAN

Dredge Mermentau

Project Freeport

DAILY REPORT

Date: 10 / 30 / 99 Loads: 564-581

Area(s) Worked: Stations 10+00-40+00, -110+00-40+00

Weather Conditions: Skies cloudy, rain, Winds variable 10-20 knots, Seas 2'-4'

Range of H_2O Temperature: Surface 24°C Below Mid-Depth 24°C

Condition of all screening apparatus: Good

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

Comments (type of material being dredged, biological specimens, etc.): Samples today consisted of trash, clay, shell and wood. Material digging is mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	4	7	Bottlenose Dolphins

Observer(s) On Duty: Eric Westerman, Heather Page

ENDANGERED SPECIES OBSERVER

Dredge MERMENTAU

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 10, 31, 99 Loads: 582-600

Area(s) Worked: -40+00 TO -110+00

Weather Conditions: PARTLY CLOUDY, WIND WESTERLY 10-30 KTS, SEAS 2-5'

Range of H_2O Temperature: Surface 23°-24° C Below Mid-Depth 23°-24° C

Condition of all screening apparatus: GOOD

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

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

MATERIAL DREDGED IS MUD & CLAY.

BIOLOGICAL SPECIMENS ARE FEW TO NONE CONSISTING OF AN OCCASIONAL GASTROPOD & WHELK EGG CASING.

ABIOTIC MATERIAL IS TRASH, FISHING GEAR & BAGS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TT	1	6	BOTTLENOSE DOLPHINS IN CUT

Observer(s) On Duty: HEATHER PAIGE, ERIC WESTERMAN

ENDANGERED SPECIES

Dredge MERMENTAU

Project FREEPORT ENTRANCE CHANNEL

WEEKLY SUMMARY

Dates: 10/25/99 - 10/31/99 Loads: 466-600

Range of H_2O Temperature: Surface 22°-24°C Below Mid-Depth 22°-24°C

Area(s) Worked: STATIONS 10+00 TO -40+00, -40+00 TO -110+00

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

Comments:

THERE WERE NO INCIDENTS INVOLVING ENDANGERED OR PROTECTED SPECIES.

BIOLOGICAL SPECIMENS ARE FEW & CONSIST OF A BLUE CRAB, A GASTROPOD (WHELK), CRABS, WHELK EGG CASES AND GRASSES.

ABIOTIC MATERIAL IS TRASH, FISHING GEAR, ROPE RAGS, MACHINE PARTS AND WOOD.

MATERIAL DREDGED IS MUD AND CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	+21	+99	BOTTLENOSE DOLPHINS

Observers On Duty: HEATHER PAIGE, ERIC WESTERMAN

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge: Mermentau

Project: Freeport Entrance Channel

DAILY REPORT

Date: 11 / 01 / 99 Loads: 601-616

Area(s) Worked: Stations -40+00-110+00

Weather Conditions: SKies partly cloudy, Winds NW 10-15 knots, Seas 2'-3'

Range of H_2O Temperature: Surface 23-24°C Below Mid-Depth 23-24°C

Condition of all screening apparatus: Good

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

Comments (type of material being dredged, biological specimens, etc.): Samples today consisted of clay, trash, spider crabs, shell and whelk egg casings. Material digging is mud and clay. The T.E.D.s and screens remain in good working order.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	2	5	Bottlenose Dolphins

Observer(s) On Duty: Eric Westerman, Heather Paige

ENDANGERED SPECIES OBSERVER

Dredge MERMENTAU

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 11, 2, 99 Loads: 617-629

Area(s) Worked: +10+00 TO -40+00, 00+00 TO -110+00

Weather Conditions: CLEAR, WIND NORTHERLY 15-30 KTS, SEAS 3-5'

Range of H_2O Temperature: Surface 23°-24°C Below Mid-Depth 23°-24°C

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS ARE FEW & CONSIST OF WHELK SHELLS AND WHELK EGG CASINGS.

ABIOTIC MATERIAL IS ABUNDANT & CONSISTS MAINLY OF TRASH, PLASTIC, FISHING GEAR, WOOD & ROPE.

MATERIAL DREDGED IS MUD & CLAY.

ALL GEAR IN GOOD WORKING ORDER.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	5	22	BOTTLENOSE

Observer(s) On Duty: HEATHER PAGE, ERIC WESTERMAN

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge Vermentau

Project Freeport

DAILY REPORT

Date: 11 / 03 / 99 Loads: 630-646

Area(s) Worked: Stations 10+00-40+00

Weather Conditions: Skies clear, Winds variable 5-15 knots, Seas 3'

Range of H_2O Temperature: Surface 23°C Below Mid-Depth 23°C

Condition of all screening apparatus: Good

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

Comments (type of material being dredged, biological specimens, etc.): Samples today consisted of trash, shells and whelk egg casings. Material digging is mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	3	56	Bottlenose Dolphins

Observer(s) On Duty: Eric Westerman, Heather Paige

ENDANGERED SPECIES OBSERVER

Dredge MERMENTAU

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 11 / 4 / 99 Loads: 647-665

Area(s) Worked: +10+00 TO -40+00

Weather Conditions: PARTLY CLOUDY, WIND S 10-15 KTS, SEAS 3-4

Range of H_2O Temperature: Surface 22.5°-23°C Below Mid-Depth 22.5°-23°C

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS ARE AN EEL, SPIDER CRABS, 1 CATFISH, WHELK SHELLS & EGG CASINGS.

ABIOTIC MATERIAL CONSISTS OF TRASH & FISHING GEAR.

MATERIAL DREDGED IS CLAY & MUD.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	5	±10	BOTTLENOSE

Observer(s) On Duty: HEATHER PAIGE, ERIC WESTERMAN

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge: Mermentau

Project: Freeport Entrance Channel

DAILY REPORT

Date: 11 / 05 / 99 Loads: 6666671

Area(s) Worked: 10+00-40+00, 110+00-40+00

Weather Conditions: Skies partly cloudy, Winds southerly 10-15 knots, Seas 3'-4'

Range of H_2O Temperature: Surface 23°C Below Mid-Depth 23°C

Condition of all screening apparatus: Good

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

Comments (type of material being dredged, biological specimens, etc.): Samples today consisted of trash, clay and shell. The dredge was in port all day for fuel and coast guard inspection.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			No sightings

Observer(s) On Duty: Eric Westerman, Heather Paige

Dredge MERMENTAU

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 11 / 6 / 99 Loads: 672 - 689

Area(s) Worked: STATIONS -40+00 TO -110+00

Weather Conditions: PARTLY CLOUDY, SE 10-15 KTS, SEAS 3-5'

Range of H_2O Temperature: Surface 23° - 23.5° C Below Mid-Depth 23° - 23.5° C

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS ARE VERY FEW: 1 RAY, WHELK EGG CASINGS & SHELLS.

ABIOTIC MATERIAL CONSISTS OF TRASH, RAGS, WOOD FISHING GEAR.

MATERIAL DREDGED IS MUD & CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TT	1	6	BOTTLENOSE

Observer(s) On Duty: HEATHER PAIDE, ERIC WESTERMAN

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge: Mermentau

Project: Freeport Entrance Channel

DAILY REPORT

Date: 11 / 07 / 99 Loads: 690-706

Area(s) Worked: Stations -40+00-110+00

Weather Conditions: Skies partly cloudy, Winds E-se 5-15 knots, Seas 2'4'

Range of H_2O Temperature: Surface 22.5-23°C Below Mid-Depth 22.5-23°C

Condition of all screening apparatus: Good

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

Comments (type of material being dredged, biological specimens, etc.): Samples today consisted of clay, trash, shell and spider crabs. Material digging is mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			No sightings

Observer(s) On Duty: Eric Westerman, Heather Paige

ENDANGERED SPECIES OBSERVER

Dredge: Mermentau

Project: Freeport Entrance Channel

WEEKLY SUMMARY

Dates: 11 / 01 / 99 - 11 / 07 / 99 Loads: 601-706

Range of H_2O Temperature: Surface 22.5-24°C Below Mid-Depth 22.5-24°C

Area(s) Worked: Stations -40+00-110+00, 10+00, 40+00

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

Comments: No sea turtles were detected killed or injured this week. No turtles were sighted this week. Samples this week consisted of shell, catfish, ray, whelk egg casing, eel, spider crabs, clay, wood and trash.

The T.E.D.S and screens remain in good working order. Water temperatures are taken by observers every eight hours from the dredge. Material digging is mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	16	99	Bottlenose dolphins

Observers On Duty: Eric Westerman, Heather Paige

ENDANGERED SPECIES OBSERVER

Dredge MERMENTAU

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 11 / 8 / 99 Loads: 707-723

Area(s) Worked: STATIONS -40+00 TO -110+00

Weather Conditions: PARTLY CLOUDY, SE 0-10KTS, 0-3' SEAS

Range of H_2O Temperature: Surface 22°-23° C Below Mid-Depth 22°-23° C

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS: SPIDER CRAB, WHELK EGG CASINGS & SHELLS.

ABIOTIC MATERIAL TRASH, ROPE, BAGS, FISHING GEAR, WOOD.

MATERIAL DREDGED IS MUD & CLAY.

* BADLY DECOMPOSED ADULT LOGGERHEAD WAS SIGHTED FLOATING VENTRAL SIDE UP. THE TURTLE WAS DRIFTING WEST THROUGH THE CHANNEL. THE TURTLE WAS DISCOLORED AND SEVERELY BLOATED. NOT A DREDGING INCIDENT. NUMEROUS SHRIMP BOATS SIGHTED IN THE AREA.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
* Cc	1	1	DEAD LOGGERHEAD 28°55' 147 N 95° 16' 792 W
Tt	3	9	BOTTLENOSE

Observer(s) On Duty: HEATHER PAIGE, ERIC WESTERMAN

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge: Mermentau

Project: Freeport Entrance channel

DAILY REPORT

Date: 11 / 09 / 99 Loads: 724-742

Area(s) Worked: Stations 00+00-40+00

Weather Conditions: Skies partly cloudy, Winds SE 5-10 knots, Seas 2'-3'

Range of H_2O Temperature: Surface 22°C Below Mid-Depth 22°C

Condition of all screening apparatus: Good

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

Comments (type of material being dredged, biological specimens, etc.): Samples today consisted of shell, spider crabs, trash and whelk egg casings. Material diggings is mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	1	12	Bottlenose Dolphins

Observer(s) On Duty: Eric Westerman, Heather Paige

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge MERMENTAU

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 11 / 10 / 99 Loads: 743-758

Area(s) Worked: STATIONS 00+00 TO -40+00, -40+00 TO -110+00

Weather Conditions: PARTLY CLOUDY, SE WIND 5-10 KTS, SEAS 2-3'

Range of H_2O Temperature: Surface 22°-23° C Below Mid-Depth 22°-23°

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS: SPIDER CRAB, FLOUNDER WHELK EGG CASINGS & SHELLS.

ABIOTIC MATERIAL IS TRASH, RAGS, WOOD AND FISHING GEAR.

MATERIAL DREDGED IS MUD & CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	1	4	BOTTLENOSE

Observer(s) On Duty: HEATHER PAIGE, ERIC WESTERMAN

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge: Mermentau

Project: Freeport

DAILY REPORT

Date: 11 / 11 / 99 Loads: 759-774

Area(s) Worked: Stations -40+00-110+00

Weather Conditions: Skies partly cloudy, Winds Easterly 5-10 knots, Seas 2'-3'

Range of H_2O Temperature: Surface 23°C Below Mid-Depth 23°C

Condition of all screening apparatus: Good

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

Comments (type of material being dredged, biological specimens, etc.): Samples today consisted of clay, spider crabs, trash and shell. Material digging is mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	1	2	Bottlenose Dolphins

Observer(s) On Duty: Eric Westerman, Heather Paige

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge MERMENTAU

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 11, 12, 99 Loads: 775 – 793

Area(s) Worked: STATIONS -40+00 TO -110+00

Weather Conditions: PARTLY CLOUDY, HAZY, LIGHT AIRS, SEAS 0-3'

Range of H_2O Temperature: Surface 23°C Below Mid-Depth 23°C

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS ARE VERY FEW: WHELK EGG CASINGS AND SHELLS.

ABIOTIC MATERIAL IS TRASH, FISHING GEAR, ROPE, WOOD.

MATERIAL DREDGED IS MUD & CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	1	5	BOTTLENOSE

Observer(s) On Duty: HEATHER PAIGE, ERIC WESTERMAN

ENDANGERED SPECIES

Dredge Mermentau

Project Freeport Entrance Channel

DAILY REPORT

Date: 11 / 13 / 99 Loads: 794 – 813

Area(s) Worked: -40+00 to -110+00

Weather Conditions: partly cloudy → clear, light wind, 1-3' seas

Range of H_2O Temperature: Surface 23°C Below Mid-Depth 23°C

Condition of all screening apparatus: OK

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

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

Biological Specimens: few spider crabs

Abiotic Material: plastic bags, fishing line, wood debris, rope, trash

Dredged material is mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Paige / Pinion

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge MERMENTAU

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 11 / 14 / 99 Loads: 814 – 831

Area(s) Worked: 00+00 TO -40+00, -40+00 TO -110+00

Weather Conditions: PARTLY CLOUDY, SE 5-10 KTS, 1-3' SEAS

Range of H_2O Temperature: Surface 21°-23°C Below Mid-Depth 21°-22°C

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS: ALGA, UNBLK SHELLS & EGG CASINGS.

ABIOTIC MATERIAL: TRASH, WOOD, FISHING GEAR, ROPE.

MATERIAL DREDGED IS MUD & CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	5	±12	BOTTLENOSE

Observer(s) On Duty: PAIGE, PINION

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge MERMENTAU

Project FREEPORT ENTRANCE CHANNEL

WEEKLY SUMMARY

Dates: 11 / 8 / 99 - 11 / 14 / 99 Loads: 707 - 831

Range of H_2O Temperature: Surface 21° - 23°C Below Mid-Depth 21° - 23°C

Area(s) Worked: STATIONS 00+00 TO -40+00, -40+00 TO -110+00

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

Comments: NO SEA TURTLES WERE KILLED OR INJURED THIS WEEK. A BADLY DECOMPOSED ADULT LOGGERHEAD WAS SIGHTED FLOATING WEST THROUGH CHANNEL. THE TURTLE WAS DISCOLORED AND SEVERELY BLOATED. NOT A DREDGING INCIDENT. NUMEROUS SHRIMP BOATS IN AREA.

BIOLOGICAL SPECIMENS: SPIDER CRAB, WHELK EGG CASINGS & SHELLS.

ABIOTIC MATERIAL MAINLY CONSISTS OF FISHING GEAR, RAGS, PLASTIC & TRASH.

MATERIAL DREDGED IS MUD & CLAY.

OBSERVER ERIC WESTERMAN IS REPLACED BY OBSERVER TIM PINION ON 11-13-99.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Cc	1	1	DEAD LOGGERHEAD 28° 55' 147 N 95° 16' 792 W
Tt	3	9	BOTTLENOSE

Observers On Duty: HEATHER PAIGE, ERIC WESTERMAN, TIM PINION

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge Mermentau

Project Freeport Entrance Channel

DAILY REPORT

Date: 11 / 15 / 99 Loads: 832 - 853

Area(s) Worked: ~~00+00 to 40+00~~, -40+00 to 710+00

Weather Conditions: partly cloudy, NW 0-5 kts, <2 ft seas

Range of H_2O Temperature: Surface 21°C-22°C Below Mid-Depth 21°C -22°C

Condition of all screening apparatus: good

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

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

Biological specimens: few spider crabs, algae, few clams

Abiotic material: plastic, fishing line, wood, trash, rope, fishing nets

Dredged material is mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TE	1	6	time: 1040

Observer(s) On Duty: Pinion, Paige

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge MERIWENTAU

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 11 / 16 / 99 Loads: 854 - 873

Area(s) Worked: STATIONS -40+00 TO -110+00

Weather Conditions: CLEAR, EASTERLY WIND 5-15 KTS, 1-3' SEAS

Range of H_2O Temperature: Surface 21.5°c - 22°c Below Mid-Depth 21.5° - 22°c

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS: ALGA, SPIDER CRAB WHELK SHELLS & EGG CASINGS.

ABIOTIC MATERIAL: TRASH, FISHING GEAR, WOOD, ROPE, CABLE.

MATERIAL DREDGED IS MUD & CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	+8	>22	In Dig & Dump Area All Day

Observer(s) On Duty: HEATHER PAIGE, TIM PINION

Dredge Mermentau

Project Freeport Entrance Channel

DAILY REPORT

Date: 11 / 17 / 99 Loads: 874 - 893

Area(s) Worked: -40+00 to -110+00

Weather Conditions: SE 5-15 kts, clear, 2-3' seas

Range of H_2O Temperature: Surface 21°C Below Mid-Depth 21°C

Condition of all screening apparatus: good

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

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

Biological Specimens: spider crab, alga, whelk shells

Abiotic Material: trash, fishing line and nets, wood, rope

Material dredged is mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus		720	animals observed throughout daylight hours in and out of channel

Observer(s) On Duty: Pinion | Paige

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge MERMENTAU

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 11 / 18 / 99 Loads: 894

Area(s) Worked: 00+00 TO -40+00, -40+00 TO -110+00

Weather Conditions: MOSTLY CLEAR, SOUTHERLY WIND 10-15 KTS, 2-3' SEAS

Range of H_2O Temperature: Surface 21°-23°C Below Mid-Depth 21°-23°C

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS: WHELK SHELLS & EGG CASINGS.

ABIOTIC MATERIAL: TRASH, FISHING GEAR, ROPE, WOOD.

MATERIAL DREDGED IS MUD & CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: HEATHER PAIGE, TIM PINION

Dredge Mermentau

Project Freeport Entrance Channel

DAILY REPORT

Date: 11 / 19 / 99 Loads: 917 - 933

Area(s) Worked: stations -40+00 to -100+00

Weather Conditions: mostly clear, SW 10-20kts, 3-4' seas

Range of H_2O Temperature: Surface 22°C Below Mid-Depth 22°C

Condition of all screening apparatus: good

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

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

Biological specimens: spider crabs, alga

Abiotic material: plastic, fishing gear, wood debris, trash

Dredged material is mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	3	22	

Observer(s) On Duty: Tim Pinion + Heather Paige

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge MERIWETHER

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 11 / 20 / 99 Loads: 934 - 953

Area(s) Worked: STATIONS 00+00 TO -40+00, -40+00 TO -110+00

Weather Conditions: PARTLY CLOUDY, VARIABLE WINDS, 2-3' SEAS

Range of H_2O Temperature: Surface 22°-22.5° C Below Mid-Depth 22° C

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS: SPIDER CRAB, WHELK EGG CASINGS & SHELLS.

ABIOTIC MATERIAL: TRASH, FISHING GEAR, ROPE

MATERIAL DREDGED IS MUD & CLAY.

TEDS DAMAGED AT 0000 & REPAIRED BY 0037.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	1	8	BOTTLENOSE

Observer(s) On Duty: HEATHER PAIGE / TIM PINION

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge Mermentau

Project Freeport Entrance Channel

DAILY REPORT

Date: 11 / 21 / 99 Loads: 954 - 976

Area(s) Worked: stations 00 to -40+00, -40+00 to -110+00

Weather Conditions: partly cloudy, S 10-15 kts., 2-3' seas

Range of H_2O Temperature: Surface 21.5° - 22°C Below Mid-Depth 21.5° - 22°C

Condition of all screening apparatus: good

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

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

Biological Specimens included: few spider crabs, few clams, alga

Abiotic Material: plastic bags, fishing gear, wood debris, rope

Dredged Material was mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Tim Pinion, Heather Paige

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge MERMENTAU

Project FREEPORT ENTRANCE CHANNEL

WEEKLY SUMMARY

Dates: 11 / 15 / 99 - 11 / 21 / 99 Loads: 832-976

Range of H_2O Temperature: Surface 21°-23° Below Mid-Depth 21°-23°

Area(s) Worked: 00+00 TO -40+00, -40+00 TO -110+00

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

Comments:

BIOLOGICAL SPECIMENS THIS WEEK CONSISTED OF SPIDER CRABS, WHELK SHELLS & EGG CASINGS, CLAM SHELLS, ALGA.

ABIOTA IS TRASH, A LOT OF FISHING GEAR, WOOD, CABLE, AND ROPE.

DREDGED MATERIAL IS MUD & CLAY.

11-20-99 TEDS DAMAGED & REPAIRED IMMEDIATELY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TT	MULTIPLE	500-750	IN AREA ALL DAY ON SEVERAL DAYS.

Observers On Duty: HEATHER PAIGE, TIM PINION

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge MERMENTAU

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 11 / 22 / 99 Loads: 977 – 998

Area(s) Worked: -40+00 TO -110+00

Weather Conditions: PARTLY CLOUDY, SOUTHERLY WINDS 10-20 KTS, 4-7' SEAS

Range of H_2O Temperature: Surface 21.5°–22°C Below Mid-Depth 21.5°–22°C

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS ARE VERY FEW: CATFISH, WHELKS.

ABIOTA – TRASH, FISH GEAR

MATERIAL DREDGED IS MUD & CLAY

* LOGGERHEAD SEA TURTLE WAS SIGHTED NEAR SEAWARD EDGE OF SOUTHERN JETTY. NO HARM CAME TO THE SEA TURTLE.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
* Cc	2	1	LOGGERHEAD 100 M FROM DREDGE
Tt	2	±12	

Observer(s) On Duty: HEATHER PAIGE, TIM PINION

ENDANGERED SPECIES OBSERVATION

Dredge Mermentau

Project Freeport Entrance Channel

DAILY REPORT

Date: 11 / 23 / 99 Loads: 999 - 1014

Area(s) Worked: Stations 00 to -40+00, -40+00 to -110+00

Weather Conditions: SSE 10-5 kts → N 10 kts., seas 4-7', cloudy + rain → clear

Range of H_2O Temperature: Surface 21°C Below Mid-Depth 21°C

Condition of all screening apparatus: good

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

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

Biological specimens: alga

Abiotic material: plastic + other trash, fishing gear, wood debris

Dredged material is mud and some clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	4	40-50	majority observed around jetties

Observer(s) On Duty: Tim Pinion + Heather Paige

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge MERMENTAU

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 11, 24, 99 Loads: 1015 – 1033

Area(s) Worked: 0+00 TO -40+00

Weather Conditions: RAINY, NNE WINDS 15-40 KTS, 4-8' SEAS

Range of H_2O Temperature: Surface 21.5°C Below Mid-Depth 21.5°C

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS: 2 CATFISH, CONCH SHELLS & EGG CASINGS

ABIOTA: TRASH, FISHING LINE & GEAR, WOOD

MATERIAL DREDGED IS MUD & CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	~~[illegible]~~	40-60	IN CHANNEL & SETTY AREA ALL DAY

Observer(s) On Duty: HEATHER PAIGE, TIM PINION

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge Mermentau

Project Freeport Entrance Channel

DAILY REPORT

te: 11, 25, 99 Loads: 1034 - 1051

ea(s) Worked: stations 0+00 to -40+00

eather Conditions: NNE 20-40kts → NNW 10kts., 3-8' seas, rainy → clear

nge of H_2O Temperature: Surface 19-20°C Below Mid-Depth 19-20°C

ndition of all screening apparatus: good

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

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

Biological specimens: vegetation debris

Abiotic samples: plastic, fishing gear, wood

Dredged material is mud + clay.

Bridge Watch Summary

ecies	# of Sightings	# of Animals	Comments
isiops truncatus	numerous	25+	observed in area throughout day, especially near jetty

bserver(s) On Duty: Tim Pinion + Heather Paige

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge MERMENTAU

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 11/26/99 Loads: 1052-1071

Area(s) Worked: 0400 TO -40 FOO

Weather Conditions: CLEAR, LIGHT AIRS, CALM SEAS

Range of H_2O Temperature: Surface 19°-21°C Below Mid-Depth 19°-21°C

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS ARE FEW: WHELK EGG CASINGS AND SHELLS.

ABIOTA - TRASH, FISHING GEAR, ROPE CABLE, WOOD.

MATERIAL DREDGED IS MUD & CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	NUMEROUS	50-60	IN AREA ALL DAY NEAR JETTYS

Observer(s) On Duty: HEATHER PAIGE / TIM PINION

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge Mermentau

Project Freeport Entrance Channel

DAILY REPORT

Date: 11/27/99 Loads: 1072 - 1093

Area(s) Worked: stations -40+00 to -110+00

Weather Conditions: SW 5-10 kts, 1-2' seas, clear

Range of H_2O Temperature: Surface 20°C Below Mid-Depth 20°C

Condition of all screening apparatus: good

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

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

Biological specimens: alga and few shells

Abiotic material: plastic, fishing gear, wood debris, other trash

Dredged material: mud + clay

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Tim Pinion + Heather Paige

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge Mermentau

Project Freeport Entrance Channel

DAILY REPORT

Date: 12/28/99 Loads: 1094 - 1105 *

Area(s) Worked: Stations -40+00 to -110+00

Weather Conditions: SW 5-10 kts, 2' seas, clear

Range of H_2O Temperature: Surface 20°C Below Mid-Depth 20°C

Condition of all screening apparatus: good

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

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

Biological specimens: alga

Abiotic material: plastic, fishing gear, wood debris, other trash

Dredged material: mud + clay.

* Load 1105 is last load until Lindholm arrives.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	1	2	observed in dump

Observer(s) On Duty: Tim Pinion + Heather Paige

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge B.E. Lindholm

Project Freeport Entrance Channel

DAILY REPORT

Date: 12 / 2 / 99 Loads: 1 - 11

Area(s) Worked: stations 50+00 to 00+00, 00+00 to -40+00

Weather Conditions: cloudy, rain, SE 10-20 kts, 6-8' seas

Range of H_2O Temperature: Surface 19°C Below Mid-Depth 19°C

Condition of all screening apparatus: good

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

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

Biological specimens: 2.5 ft shark

Abiotic material: wood debris, fishing gear, trash

Dredged material is mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	1	6-8	

Observer(s) On Duty: Tim Pinion, Heather Paige

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge B.E. LINDHOLM

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 12/3/99 Loads: 12-31

Area(s) Worked: 50+00 TO 00+00, 00+00 TO -40+00

Weather Conditions: OVERCAST, RAINY, SE WIND 15-25 KTS, 6-8' SEAS

Range of H_2O Temperature: Surface 18.5°-19°C Below Mid-Depth 18.5°-19°C

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS: SHARK & SKATE FOUND ON OVERFLOW.

ABIOTA: TRASH, WOOD, PLASTIC

MATERIAL DREDGED IS MUD & CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt (BOTTLENOSE)	NUMEROUS	20-30	IN AREA ALL DAY AT JETTY'S

Observer(s) On Duty: HEATHER PAIGE, TIM PINION

ENDANGERED SPECIES

Dredge B.E. Lindholm

Project Freeport Entrance Channel

DAILY REPORT

Date: 12 / 4 / 99 Loads: 32 - 52

Area(s) Worked: 50+00 to 0+00, 0+00 to -40+00

Weather Conditions: SE 20 kts → N 10 kts, 6-8' seas, variable clou

Range of H_2O Temperature: Surface 18.5°C Below Mid-Depth 18.5°C

Condition of all screening apparatus: good

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

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

Biological specimens: skates, rays

Abiotic material: clay, wood debris, fishing gear, trash

Dredged material is mud + clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	numerous	12-15	observed throughout day near jetties

Observer(s) On Duty: Tim Pinion, Heather Paige

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge B.E. LINDHOLM

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 12, 5, 99 Loads: 53-73

Area(s) Worked: 0100 TO -40+00

Weather Conditions: CLEAR, NNW 10-15 KTS, 1-3' SEAS

Range of H_2O Temperature: Surface 19°C Below Mid-Depth 19°C

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS: 6 DRUM FISH, SKATE, NUMEROUS SPIDER CRABS, BLUE CRABS

ABIOTA: PICKING UP MORE WOOD, TRASH, FISHING GEAR, PLASTIC.

MATERIAL DREDGED IS MUD & CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: HEATHER PAIGE & TIM PINION

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge B.E. LINDHOLM *

Project FREEPORT ENTRANCE CHANNEL

WEEKLY SUMMARY

Dates: 11,29,99 - 12,5,99 Loads: 1-73

Range of H_2O Temperature: Surface 18.5°-20°C Below Mid-Depth 18.5°-20°C

Area(s) Worked: 50+00 TO 0+00, 0+00 TO -40+00

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

Comments:

* DREDGE B.E. LINDHOLM REPLACED DREDGE MERMENTAU & COMMENCED DIGGING @ 0947HRS ON 12-2-99. TEDS & SCREENING IN GOOD WORKING ORDER.

BIOLOGICAL SPECIMENS: SHARK, SKATES RAYS, DRUM FISH, SPIDER CRABS, BLUE CRABS. MOST SPECIMENS ARE FOUND ON THE OVERFLOW.

THE LINDHOLM PICKS UP MORE ABIOTIC MATERIAL CONTINUALLY CLOGGING THE OVERFLOW SCREENING. MATERIAL CONSISTS MAINLY OF FISHING GEAR, WOOD, PLASTIC, METAL, RAGS & GENERAL TRASH.

MATERIAL DREDGED IS SILTY MUD & CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TT (BOTTLENOSE)	NUMEROUS	50-60	AT JETTY END ALL DAY LONG DEC 2-4.

Observers On Duty: HEATHER PAIGE, TIM PINION

ENDANGERED SPECIES

Dredge B.E. Lindholm

Project Freeport Entrance Channel

DAILY REPORT

Date: 12 / 6 / 99 Loads: 74 - 95

Area(s) Worked: stations -40+00 to 00+00, -110+00 to 00+

Weather Conditions: N 5-10 kts., <2' seas, mostly clear

Range of H_2O Temperature: Surface 19°C Below Mid-Depth 19°C

Condition of all screening apparatus: good

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

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

Biological specimens: drum, spider crabs, box crabs, calico crab, mantis shrimp, eels, alga, decaying vegetation

Abiotic material: wood debris, plastic, fishing gear, trash

Dredged material is mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	numerous	10+	observed in channel throughout day

Observer(s) On Duty: Tim Pinion, Heather Paige

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge B.E. LINDHOLM

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 12 / 7 / 99 Loads: 96 – 113

Area(s) Worked: 00+00 TO -40+00

Weather Conditions: PARTLY CLOUDY, SOUTHERLY 5-10KTS, 1-3' SEAS

Range of H_2O Temperature: Surface 19°–20°C Below Mid-Depth 19°–20°C

Condition of all screening apparatus: GOOD

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

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

MOST BIOLOGICAL SPECIMENS ARE FOUND ON THE OVERFLOW: NUMEROUS WHITE SHRIMP, SPIDER CRABS, EELS, RED DRUM FISH & FLOUNDER.

OVERFLOW SCREENING HAS BEEN CLOGGING & NEEDS TO BE CLEANED EVERY OTHER LOAD AT LEAST.

ABIOTIC MATERIAL IS TRASH (PLASTIC, RAGS, FISHING GEAR), WOOD, ROPE, CABLE.

MATERIAL DREDGED IS SILTY MUD & AN INCREASING AMOUNT OF CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: HEATHER PAIBE / TIM PINION

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge B.E. Lindholm

Project Freeport Entrance Channel

DAILY REPORT

Date: 12/8/99 Loads: 114 - 130

Area(s) Worked: 00 to -40+00, -40+00 to -110+00

Weather Conditions: SE 5-10 kts., 2-4' seas, partly cloudy

Range of H_2O Temperature: Surface 18.5°C Below Mid-Depth 18.5°C

Condition of all screening apparatus: good

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

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

Biological specimens: numerous spider crabs, red drum, 3 flounder, blue crab, numerous compound tunicates, eels, ray

Abiotic material: wood debris, fishing gear, trash

Dredged material is mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	numerous	~ 10	observed in channel throughout day

Observer(s) On Duty: Tim Pinion, Heather Paige

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge B. E. LINDHOLM

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 12 / 9 / 99 Loads: 131 – 150

Area(s) Worked: STATIONS 50+00 TO 00+00

Weather Conditions: RAIN, CLOUDY, VARIABLE WIND 5-10 KTS, 3-5' SEAS

Range of H_2O Temperature: Surface 18°C – 19°C Below Mid-Depth 18° – 19°C

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS: EEL, BLUE CRAB, SPIDER CRABS.

ABIOTA: TRASH, PLASTIC, WOOD, ROPE, FISHING GEAR

MATERIAL DREDGED IS MUD & CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T+			IN CHANNEL THROUGHOUT DAY

Observer(s) On Duty: HEATHER PAIGE / TIM PINION

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge B.E. Lindholm

Project Freeport Entrance Channel

DAILY REPORT

Date: 12 / 10 / 99 Loads: 151 - 166

Area(s) Worked: stations 50+00 to 00+00, 00+00 to -40+00

Weather Conditions: NW 5-10 kts. → SE 5 kts., 2-3' seas, clear

Range of H_2O Temperature: Surface 17°C Below Mid-Depth 17°C

Condition of all screening apparatus: good

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

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

Biological specimens: blue crabs, spider crabs, mantis shrimp, eels, red drum, old sea turtle skull

Abiotic material: wood, fishing gear, trash

Dredged material is mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	2	6	

Observer(s) On Duty: Tim Pinion, Heather Paige

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge B. E. LINDHOLM

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 12 / 11 / 99 Loads: 167 – 183

Area(s) Worked: STATIONS 50+00 TO -00+00, 0+00 TO -40+00

Weather Conditions: CLOUDY, WIND SE 10-15 KTS, SEAS 3-4'

Range of H_2O Temperature: Surface 18°C Below Mid-Depth 18°C

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS: RED DRUM, BLUE CRAB EELS.

ABIOTA: TRASH, FISHING GEAR, WOOD, CABLE

MATERIAL DREDGED IS MUD & CLAY

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: HEATHER PAIGE TIM PINION

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge B.E. Lindholm

Project Freeport Entrance Channel

DAILY REPORT

Date: 12/12/99 Loads: 184-202

Area(s) Worked: 50+00 to 00+00, 00+00 to -40+00

Weather Conditions: cloudy, t-storms, SE 10-15 kts. → NW 15-20 kts., 2-4' se

Range of H_2O Temperature: Surface 18°C Below Mid-Depth 18°C

Condition of all screening apparatus: good

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

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

Biological specimens: skates, red drum, eels

Abiotic material: wood debris, fishing gear, trash

Dredged material is mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	numerous		in vacinity of jetties

Observer(s) On Duty: Tim Pinion, Heather Paige

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge B.E. Lindholm

Project Freeport Entrance Channel

WEEKLY SUMMARY

Dates: 12/6/99 - 12/12/99 Loads: 74 - 202

Range of H_2O Temperature: Surface 17-20°C Below Mid-Depth 17-20°C

Area(s) Worked: stations: 50+00 to 00+00, 00+00 to -40+00, -40+00 to -110+

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

Comments: All screening gear is in good condition.

Biological specimens are observed primarily on the overflow screening and include: spider crabs, box crabs, blue crabs, calico crab, red drum, eels, mantis shrimp, skates, ray, compound tunicate colony, and old sea turtle skull.

Abiotic material: wood debris, fishing gear, rope, plastic, rags, cable, and other trash

Dredged material is mud and clay.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tursiops truncatus	numerous		more than 10 individuals observed during most loads

Observers On Duty: Tim Pinion, Heather Paige

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge BE LINDHOLM

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 12 / 13 / 99 Loads: 203 – 219

Area(s) Worked: 50+00 TO 00+00, 00+00 TO -40+00

Weather Conditions: MOSTLY CLEAR, VARIABLE WIND 5-15 KTS, 2-3' SEAS

Range of H_2O Temperature: Surface 17°C Below Mid-Depth 17°C

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS: FROG FISH, RAYS MANTIS SHRIMP, FLOUNDER, SKATES, EELS,

ABIOTA: TRASH, WOOD, FISHING GEAR, RAGS PLASTIC.

MATERIAL DREDGED IS MUD & CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: HEATHER PAIGE, TIM PINION

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge B. E. LINDHOLM

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 12 / 14 / 99 Loads: 220 – 233

Area(s) Worked: 00+00 TO -40+00

Weather Conditions: CLEAR, SW 10-20 KTS, SEAS 2-4'

Range of H_2O Temperature: Surface 17°C | Below Mid-Depth 17°C

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS: BLUECRABS, RAYS
MANATS SHRIMP, EELS

ABIOTA: TRASH, FISHING GEAR, PLASTIC,
WOOD, RABS

MATERIAL DREDGED IS MUD & CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt			IN AREA AT JETTYS ALL DAY

Observer(s) On Duty: HEATHER PAIGE, TIM PINNION

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge B. E. LINDHOLM

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 12/15/99 Loads: 234 – 251

Area(s) Worked: 50+00 TO 00+00, 00+00 TO -40+00

Weather Conditions: MOSTLY CLEAR, VARIABLE WIND 10-30 KTS, SEAS 2-3'

Range of H_2O Temperature: Surface 18°C Below Mid-Depth 18°C

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS: BLUE CRAB, SPIDER CRAB, RED DRUM, RAY

ABIOTA: TRASH, WOOD, FISHING GEAR, PLASTIC BAGS

MATERIAL DREDGED IS MUD & CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: HEATHER PAIGE, TIM PINION

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge B.E. LINDHOLM

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 12/16/99 Loads: 252 – 268

Area(s) Worked: STATIONS 50+00 TO 00+00, 00+00 TO -40+00.

Weather Conditions: CLEAR, VARIABLE WIND 10-20 KTS, 2-3' SEAS

Range of H_2O Temperature: Surface 18°C Below Mid-Depth 18°C

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS: RED FISH, BLUE CRAB MANTIS SHRIMP, SPIDER CRAB, CATFISH, TOAD FISH

ABIOTA: FISHING GEAR, PLASTIC, RAGS, WOOD TRASH.

MATERIAL DREDGED IS MUD & CLAY.

OBSERVER TIM PINION REPLACED BY TOBY STEPHENSON @ 0800 HRS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt			THROUGHOUT DAY

Observer(s) On Duty: HEATHER PAIGE, TIM PINION, TOBY STEPHENSON

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge B E Lindholm

Project Freeport Entrance Channel

DAILY REPORT

Date: 12 / 17 / 99 Loads: 249 - 280

Area(s) Worked: 50+00 to 00+00 / 00+00 to -40+00

Weather Conditions: Clear, E winds, 2-3' seas to Showers, SW winds, 3' to 4' seas

Range of H_2O Temperature: Surface 18° C Below Mid-Depth 18° C

Condition of all screening apparatus: Good

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

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

Biological Specimens: Black drum, mantid shrimp, catfish, Ray, Eel

Abiotic debris: Wood, line, netting, plastic, metal, rock.

Material dredged has been clay and silt.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. truncatus	Common	2-3 doz	scattered Feeding, head slapping.

Observer(s) On Duty:

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge B. E. LINDHOLM

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 12 / 18 / 99 Loads: 281 – 294

Area(s) Worked: 50+00 TO 00+00, 00+00 TO -40+00

Weather Conditions: SCATTERED SHOWERS, VARIABLE WIND 10-15 KTS, 1'-4' SEAS

Range of H_2O Temperature: Surface 17°-18° C Below Mid-Depth 17°-18° C

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS: BASS, BLUE CRABS, EELS, MANTIS SHRIMP

ABIOTA: FISHING GEAR, WOOD, RAGS, PLASTIC, MACHINE PARTS, TRASH

MATERIAL DREDGED IS MUD AND CLAY WITH INCONSEQUENTAIL AMOUNTS OF ROCK.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TT			AT JETTIES

Observer(s) On Duty: HEATHER PAIGE, TOBY STEPHENSON

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge BE Lindholm

Project Freeport Channel Entrance

DAILY REPORT

Date: 12 / 19 / 99 Loads: 295 - 307

Area(s) Worked: 00+00 to 40+00, 50+00 to 00+00

Weather Conditions: Rain, NE wind 20 to 30 kts, seas 5'-8'

Range of H_2O Temperature: Surface 17°C Below Mid-Depth 17°C

Condition of all screening apparatus: Good

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

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

Biological species: Black drum, S. ray, Cownose ray, Flounder, catfish, eel, moon jellies, anemomes and spider crab.

Abiotic debris: Wood, metal, net, line and general trash.

Material dredged has primarily been clay and silt with some rocks.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. truncatus	many	2-3 doz	scattered surfacing

Observer(s) On Duty:

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge BE Lindholm

Project Freeport Entrance Channel

DAILY REPORT

Date: 12 / 20 / 99 Loads: 308 - 312

Area(s) Worked: 00+00 to -40+00 / 50+00 to 00+00

Weather Conditions: Rain, NE Winds 30 kts, seas 5' to 8'

Range of H_2O Temperature: Surface 17°C to 16°C Below Mid-Depth 17°C to 16°C

Condition of all screening apparatus: Good

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

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

No biological specimens observed

Abiotic material was wood, trash, rocks, and general debris.

Due to rough weather we docked at approximately 1100 hrs until 0736 the following day. Due to continued rough seas we have been dredging with the overboard discharge screen open. All other screening is in place.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. truncatus	many	2-3 doz	scattered surfacing

Observer(s) On Duty: Toby Stephenson, Heather Paige

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge B.E. LINDHOLM

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 12/21/99 Loads: 313-325

Area(s) Worked: STATIONS 50+00 TO 00+00

Weather Conditions: PARTLY CLOUDY, NE WIND 5-20KTS, 3'-4' SEAS

Range of H_2O Temperature: Surface 17°C Below Mid-Depth 17°C

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS ARE FEW: BLUE CRAB RAT.

ABIOTA: FISHING GEAR, WOOD, MACHINE PARTS, PLASTIC, RAGS

MATERIAL DREDGED WAS MUD & CLAY.

DREDGING RESUMED THIS MORNING @ 0736 HRS AFTER DOCKING FOR BAD WEATHER.

OVERBOARD SCREENING STILL NOT IN USE.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt		1 DOZ±	SCATTERED

Observer(s) On Duty: HEATHER PAIGE, TOBY STEPHENSON

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge B.E. LINDHOLM

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 12/22/99 Loads: 326-339

Area(s) Worked: 50+00 TO 00+00, -40+00 TO OUT+00

Weather Conditions: MOSTLY CLEAR, NE 15-20KTS, 2-4' SEAS

Range of H_2O Temperature: Surface 14°-17°C Below Mid-Depth 14°-17°C

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS: FLOUNDER, JELLYFISH BLUE CRAB, STINGRAYS, COWNOSE RAYS, CATFISH MANTIS SHRIMP.

ABIOTA: FISHING GEAR, ROPE/WOOD, PLASTIC TRASH.

MATERIAL DREDGED IS MUD & CLAY.

OVERBOARD SCREENING IS NOT IN USE.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TT			IN AREA ALL DAY

Observer(s) On Duty: HEATHER PAIGE, TOBY STEPHENSON

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge B. E. LINDHOLM

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 12 / 23 / 99 Loads: 340 – 349

Area(s) Worked: 50+00 TO 00+00, 00+00 TO -40+00

Weather Conditions: PARTLY CLOUDY, NE 5-10KTS, SEAS 1-2'

Range of H_2O Temperature: Surface 12°–14°C Below Mid-Depth 12°–14°C

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS: RAYS, CATFISH, FLOUNDER EELS, MANTIS SHRIMP, JELLY FISH

ABIOTA: FISHING GEAR, ROPE, PLASTIC, WOOD TRASH

MATERIAL DREDGED IS MUD & CLAY.

OVERBOARD BASKETS (SCREENS) NOT IN USE.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: HEATHER PAIGE, TOBY STEPHENSON

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge B.E. LINDHOLM

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 12/24/99 Loads: 350 – 361

Area(s) Worked: STATIONS 50+00 TO 00+00, 00+00 TO -40+00

Weather Conditions: MOSTLY CLEAR, ENE LIGHT, 1'-3' SEAS

Range of H_2O Temperature: Surface 12°–13° c Below Mid-Depth 12°–13° c

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS: EELS, RAYS, FLOUNDER CAT FISH, SPIDER CRABS, JELLY FISH, MANTIS SHRIMP, GRASS.

ABIOTA: FISHING GEAR, PLASTIC, RAGS, ROPE WOOD, TRASH

MATERIAL DREDGED IS MUD & CLAY.

OVERBOARD BASKETS (SCREENS) ARE IN USE.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TT	NUMEROUS		IN AREA ALL DAY

Observer(s) On Duty: HEATHER PAIGE, TOBY STEPHENSON

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge B.E. LINDHOLM

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 12/25/99 Loads: 362 - 365 *

Area(s) Worked: 50+00 TO 00+00, 00+00 TO -40+00

Weather Conditions: CLEAR, LIGHT AIRS, SEAS 2'-3'

Range of H_2O Temperature: Surface 12°-13° C Below Mid-Depth 12° - 13° C

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS: RAYS, CATFISH, BLACK DRUM, TOUNGEFISH, SPIDERCRABS, EELS, HOG CHOCKER, GRASS

ABIOTA: FISHING GEAR, WOOD, ROPE, PLASTIC TRASH

MATERIAL DREDGED IS MUD & CLAY

* DREDGE TO DOCK @ END OF LOAD 365 FOR REPAIRS. RESUMED DREDGING @ 2358 HRS

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: HEATHER PAIGE, TOBY STEPHENSON

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge B. E. LINDHOLM

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 12/27/99 Loads: 378 – 388

Area(s) Worked: 00+00 TO -40+00, -40+00 TO -110+00

Weather Conditions: MOSTLY CLEAR, LIGHT AIRS, CALM SEAS

Range of H_2O Temperature: Surface 13°-14°C Below Mid-Depth 13°-14°C

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS: CATFISH, RAYS, SPIDER CRABS, FLOUNDER, GRASS.

ABIOTA: FISHING GEAR, WOOD, PLASTIC TRASH

MATERIAL DREDGED IS MUD & CLAY

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: HEATHER PAIGE, TOBY STEPHENSON

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge B.E. LINDHOLM

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 12/28/99 Loads: 389 – 405

Area(s) Worked: 00+00 TO -40+00, -40+00 TO -110+00

Weather Conditions: CLEAR, WESTERLY 15-20 KTS, SEAS 2-4'

Range of H_2O Temperature: Surface 14°-15°C Below Mid-Depth 14°-15°C

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS: SPIDER CRABS, EELS, RAYS & CRABS.

ABIOTA: FISHING GEAR, WOOD, PLASTIC BAGS TRASH

MATERIAL DREDGED IS MUD & CLAY.

HEAVY CLAYLIKE SILT & TRASH

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: HEATHER PAIGE, TOBY STEVENSON

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge B.E LINDHOLM

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 12/29/99 Loads: 406-432

Area(s) Worked: STATIONS 00+00 TO -40+00, -40+00 TO -110+00

Weather Conditions: CLEAR, SW 5-10 KTS, 2-3' SEAS

Range of H_2O Temperature: Surface 15° c Below Mid-Depth 15° c

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS: SPIDER CRABS, EELS FLOUNDER, GRASS

ABIOTA: TRASH, FISHING GEAR, WOOD, ROPE

MATERIAL DREDGED IS SILT, MUD & HARD CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: HEATHER PAIGE, TOBY STEPHENSON

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge B. E. LINDHOLM

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 12 / 30 / 99 Loads: 433 - 437

Area(s) Worked: STATIONS 00+00 TO -40+00, -40+00 TO -110+00

Weather Conditions: CLEAR, SW LIGHT AIRS, 2'-3' SEAS

Range of H_2O Temperature: Surface 15°C Below Mid-Depth 15°C

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS: NONE

ABIOTA: MINIMAL AMOUNTS OF TRASH

MATERIAL DREDGED IS MUD & VERY LITTLE CLAY.

DREDGE TO DOCK AT 0330 HRS FOR FUEL & REPAIRS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: HEATHER PAIGE, TOBY STEPHENSON

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge B.E. LINDHOLM

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 12 / 31 / 99 Loads: 438-440

Area(s) Worked: 00+00 TO -40+00

Weather Conditions: CLEAR, S LIGHT AIRS, CALM SEAS

Range of H_2O Temperature: Surface 15°C Below Mid-Depth 15°C

Condition of all screening apparatus: GOOD

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

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

THERE WERE NO BIOLOGICAL SPECIMENS.

ABIOTA IS LIGHT - SMALL AMOUNT OF TRASH & WOOD.

MATERIAL DREDGED IS MUD.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: HEATHER PAIGE, TOBY STEPHENSON

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge B. E. LINDHOLM

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 1 / 1 / 00 Loads: 441-463

Area(s) Worked: 50+00 TO -110+00 ALL 3 STATIONS

Weather Conditions: HAZY, LIGHT AIRS, CALM SEAS

Range of H_2O Temperature: Surface 17°-18°c Below Mid-Depth 17°-18°c

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS ARE FEW: BLUE CRAB, SPIDER CRAB & GRASS.

ABIOTA: TRASH, WOOD, FISHING GEAR

MATERIAL DREDGED IS MUD & CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt			SEEN IN AREA THROUGHOUT DAY

Observer(s) On Duty: HEATHER PAIGE, TOBY STEPHENSON

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge B. E. LINDHOLM

Project FREEPORT

DAILY REPORT

Date: 1 / 2 / 2000 Loads: 464 – 481

Area(s) Worked: 50+00 TO 00+00, -40+00 TO -110+00

Weather Conditions: HAZY, FOG, SE 15 KTS, SEAS 3-4'

Range of H_2O Temperature: Surface 17°c – 18°c Below Mid-Depth 17° – 18°c

Condition of all screening apparatus: GOOD

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

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

BIOLOGICAL SPECIMENS: CANINE FETUS, JELLY FISH, GRASS.

ABIOTA: TRASH, WOOD

MATERIAL DREDGED IS MUD & CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TT			SEEN IN AREA ALL DAY

Observer(s) On Duty: HEATHER PAIGE, TOBY STEPHENSON

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge B.E. Lindholm

Project Freeport Entrance Channel

DAILY REPORT

Date: 01 / 03 / 2000 Loads: 482 - 502

Area(s) Worked: 50+00 to 00+00, 00+00 to -40+00

Weather Conditions: Cloudy, SE winds 15-20kts, seas 4'-6'

Range of H_2O Temperature: Surface 18°C Below Mid-Depth 18°C

Condition of all screening apparatus: Good

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

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

Biological specimens: Crabs

Abiota: trash, wood, tire

Material dredged is Mud + Clay.

Observer Sheryl Helm replaced Heather Paige.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt			Seen in area all day

Observer(s) On Duty: Sheryl Helm, Toby Stephenson

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge BE LINDHOLM

Project FREEPORT TEXAS

DAILY REPORT

Date: 1 / 4 / 00 Loads: 501 - 523

Area(s) Worked: 50+00 — -40+00

Weather Conditions: Clear, NW and W wind 15 kts, Seas 2-6 ft.

Range of H_2O Temperature: Surface 16-17°C Below Mid-Depth 16-17°C

Condition of all screening apparatus: GOOD

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

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

Biological specimens were crabs and clupeid fish
Abiotic samples were trash wood tire.
Material dredged is mud and clay.
Observer Bahadur replaces Sheryl Helm.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: Bahadur, Stephenson

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge BE Lindholm

Project Freeport Entrance Channel

DAILY REPORT

Date: 01 105 100 Loads: 524 - 541

Area(s) Worked: 50+00 to 00+00, 00+00 to -40+00, -40+00 to -110+00

Weather Conditions: Clear, NE winds 5-15 Kts, seas 1'-5'

Range of H_2O Temperature: Surface 16°C - 17°C Below Mid-Depth 16°C - 17°C

Condition of all screening apparatus: Good

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

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

Biological specimens were catfish, spider crab, blue crab, golden star tunicates, anemones and cannonball jellies.

Abiotic material was wood, metal, plastic, line and trash.

Material dredged was primarily mud, clay, heavy silt, and rocks.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. truncatus	Many	2-3 doz	scattered surfacing, spyhopping, playing.

Observer(s) On Duty: Toby Stephenson, Rory Bahadur

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge BE Lindholm

Project Freeport Entrance Channel

DAILY REPORT

Date: 01 / 06 / 00 Loads: 542 - 561

Area(s) Worked: 50+00 to 00+00, 00+00 to -40+00, -40+00 to -110+00

Weather Conditions: Cloudy, NE winds 15-20 kts, seas 3-5'

Range of H_2O Temperature: Surface 16°-17°C Below Mid-Depth 16°-17°C

Condition of all screening apparatus: Good

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

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

Biological specimens observed were yellowfin menhaden, cutlassfish, jellies, tunicates.

Abiotic material was wood, metal, plastic and general trash.

Material dredged was mud, clay, heavy silt and rocks.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. truncatus	Many	2-3 doz	Scattered surfacing, breaching, spyhopping

Observer(s) On Duty: Stephenson, Bahadur

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge BE Lindholm

Project Freeport Entrance Channel

DAILY REPORT

Date: 01 / 07 / 00 Loads: 562 - 581

Area(s) Worked: 50+00 to 00+00, 00+00 to -40+00, -40+00 to -110+00

Weather Conditions: Overcast, E winds 20 kts, seas 3'-4'

Range of H_2O Temperature: Surface 15°C - 16°C Below Mid-Depth 15°C - 16°C

Condition of all screening apparatus: Good

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

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

Biological specimens were light and included menhaden, mantis shrimp and jellies (moon & cannonball).

Abiotic material was also light and included wood, plastic and general trash.

Material dredged was mud, clay, heavy silt and rocks.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. truncatus	All-day	1-2 doz	Scattered surfacing and breaching

Observer(s) On Duty:

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge BE Lindholm

Project Freeport Entrance Channel

DAILY REPORT

Date: 01 / 08 / 00 Loads: 582-603

Area(s) Worked: 50+00 to 00+00, -40+00 to -110+00

Weather Conditions: Overcast E, SE to E, NE winds 10-25 Kts, seas 2'-7'

Range of H_2O Temperature: Surface 15°-14° C Below Mid-Depth 15°-16°C

Condition of all screening apparatus: Good

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

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

Biological specimens were very light due to the near completion of work and include some light grass, 1 shrimp, and some menhaden washed over the spill decks.

Abiotic debris was also very light and includes some bits of wood, plastic and general trash.

Material dredged has been clay, mud, silt and some rocks.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. truncatus	Many	2-3 doz	Scattered surfacing and possible attempted copulation at one point

Observer(s) On Duty: Stephenson, Bahadur

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge BE Lindholm

Project Freeport Entrance Channel

DAILY REPORT

Date: 01 / 09 / 00 Loads: 604-628

Area(s) Worked: 50+00 to 00+00, 00+00 to -40+00, -40+00 to 110+00

Weather Conditions: Fog/Haze, W winds 5-10 kts, seas calm

Range of H_2O Temperature: Surface 14°C Below Mid-Depth 14°C

Condition of all screening apparatus: Good

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

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

Biological specimens were black drum, spider crabs, shrimp, jellies.

Abiotic material was wood, plastic, general trash.

Dredged material was clay, mud, silt, rocks.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. truncatus	Few	1 doz+-	Scattered surfacing, one group of 5

Observer(s) On Duty: Stephenson, Bahadur

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge B. F. Lindholm

Project Freeport Entrance Channel, TX

WEEKLY SUMMARY

Dates: 1 / 3 / 00 - 1 / 9 / 00 Loads: 483-628

Range of H_2O Temperature: Surface 14-18°C Below Mid-Depth 14-18°C

Area(s) Worked: -110+00 — 50+00

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

Comments:

There were no incidents involving sea turtles.

Biological specimens were black drum, red drum, spider crabs, shrimp, jellyfish, menhaden, tunicates, cutlassfish, bluecrab, catfish, anemones and bryozoans.

Abiotic debris also noted in screens.

Dredged material was heavy clay and silt.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. truncatus	Daily	2-3 doz.	Scattered and continuous sightings

Observers On Duty: Bahadur, Helm, Stephenson

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge B.E. Lindholm

Project Freeport Entrance, TX

DAILY REPORT

Date: 1 / 10 / 00 Loads: 629-650

Area(s) Worked: Stations -110+00 — 50+00

Weather Conditions: Clear, SW winds 5-10 kts → Heavy Fog, light winds, calm seas.

Range of H_2O Temperature: Surface 14-15°C Below Mid-Depth 14°C

Condition of all screening apparatus: Good

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

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

Material dredged was clay and silt.
Biological specimens were jellyfish and bryozoans.
Abiotic debris also retained by screens.
There were no incidents.

All dredging on this project completed at 2100 hrs.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T truncatus	Continuous	throughout	daylight hours.

Observer(s) On Duty: Bahadur, Stephenson

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge B. E. Lindholm

Project Freeport, Entrance, TX

WEEKLY SUMMARY

Dates: 1 / 10 / 00 - 1 / 10 / 00 Loads: 629-650

Range of H_2O Temperature: Surface 14-15°C Below Mid-Depth 14°C

Area(s) Worked: Stations 50+00 — -110+00

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

Comments: Dredging on this project completed on first day of reporting week.
Dredging ceases at 2100 hrs on 01/10/00
Biological specimen accumulation was light and material dredged was heavy clay and silt.

There were no incidents.

PROJECT COMPLETED 2100 hrs. 01/10/00

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
T. truncatus.	Continuous	throughout	daylight hours.

Observers On Duty: Bahadur, Stephenson.