

Dredge MERMENTAU

Project FREEMPORT

DAILY REPORT

Date: 10 10 1999 Loads: 6-28
Area(s) Worked: STATION 75-100 GOOD VISIBILITY
Weather Conditions: PTLY CLOUDY, WINDS 5-10 KNOTS SE'LY, 2-3' ELY SWELL
Range of H₂O 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

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.

... 0 SIGHTINGS OF TURTLES 0 INCIDENTS

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tt (BOTTLENOSE)</u>	<u>8</u>	<u>1-4</u>	<u>HANGING Betw. BOUYS 3&4</u> <u>SLOW SURFACE TRAVEL</u>

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

Dredge MERMENTAU

Project FREERPORT

DAILY REPORT

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

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

Weather Conditions: CLEAR TO PARTLY CLOUDY; WINDS ELY 10 TO 15 ↓ 10 KNOTS; SEAS 2-4'

Range of H₂O 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

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
<u>TT</u>	<u>3</u>	<u>1-6</u>	

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 H₂O 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

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
<u>30 H. NOSE DOLPHIN</u>	<u>19</u>	<u>1-6</u>	<u>APPEAR TO BE THE SAME SMALL POD BY SIZE AND MARKINGS. (RESIDENT POPULATION?)</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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: Stations 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

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
<u>Tt</u>	<u>3</u>	<u>29</u>	<u>Bottlenose Dolphins</u>

Eric Westerman, Irine Briga

Observer(s) On Duty: _____

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 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

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
<u>T+</u>	<u>1</u>	<u>1-2</u>	
<u>(BOTTLENOSE DOLPHIN)</u>			

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: Stations -35-110

Weather Conditions: Skies clear, Winds E NE 15-20 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

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
<u>Tt.</u>	<u>7</u>	<u>28</u>	<u>Bottlenose Dolphins</u>

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: PTLY CLOUDY TO CLEAR, WINDS ENE 15-20 KNOTS, SW TO NE 5 KNOTS ^{FLY Swells 3541-2}

Range of H₂O 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 SEA WHIPS, 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
<u>CC (Carollia caretta)</u>	<u>1</u>	<u>1</u>	<u>ADULT LOGGERHEAD TURTLE</u>
<u>BT (BOTTLENOSE DOLPHIN)</u>	<u>7</u>	<u>6-10</u>	<u>TOTAL COUNT 34 (REPEAT SIGHTINGS) HANGING AROUND THE JETTIES ALL DAY.</u>

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

Condition of all screening apparatus: oki

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
<u>Tt</u>	<u>3</u>	<u>6</u>	<u>Bottlenose Dolphins</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Eric Westerman, Irine Briga

Observer(s) On Duty: _____

Dredge MERMENTAU

Project FREEPORT ENTRANCE

DAILY REPORT

Date: 10 10 9 199 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 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

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
<u>IT</u>	<u>2</u>	<u>11</u>	
<u>BOTTLENOSE DOLPHIN</u>			

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 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

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
<u>Tt</u>	<u>2</u>	<u>10</u>	<u>Bottlenose Dolphins</u>

Eric Westerman, Irine Briga

Observer(s) On Duty: _____

Dredge Mermentau

Project Freeport Entrance Channel

WEEKLY SUMMARY

Dates: 10 / 04 / 99 - 10 / 10 / 99

Loads: 79-194

Range of H₂O 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

Eric Westerman, Irine Briga

Observers On Duty: _____

Dredge MERMENTAU

Project FREEMPORT 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 N.E. LY 10-15 KNOTS; SEAS 1-2
Range of H₂O 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

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
<u>T+</u>	<u>4</u>	<u>6</u>	<u>REPEAT SIGHTINGS</u>
<u>BOTTLENOSE</u>			
<u>DOLPHIN</u>			

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 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

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
<u>Tt</u>	<u>2</u>	<u>8</u>	<u>Bottlenose Dolphins</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

Eric Westerman, Irine Briga

Observer(s) On Duty:

Dredge MERMENTAU

Project FREEMPORT ENTRANCE

DAILY REPORT

Date: 10/11/31/99 Loads: 231-249

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

Weather Conditions: PARTLY CLOUDY; WINDS E. 15 \downarrow 0.5 KNOTS; SEAS 3 \downarrow 1'

Range of H₂O 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

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 WHEEK 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
<u>7 (BOTTLENOSE) DOLPHIN</u>	<u>5</u>	<u>6-10</u>	<u>REPEAT SIGHTINGS AT CUT BY THE JETTIES</u>

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 H₂O Temperature: Surface 26-27^oC Below Mid-Depth 26-27^oC

Condition of all screening apparatus: Good

Are there incidents involving endangered or protected species? Yes No

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
<u>Tt</u>	<u>3</u>	<u>11</u>	<u>Bottlenose Dolphins</u>

Eric Westerman, Irine Briga

Observer(s) On Duty: _____

ENDANGERED SPECIES OBSERVER REPORT

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 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

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
<u>TT (BOTTLENOSE DOLPHIN)</u>	<u>5</u>	<u>4-6</u>	<u>WT - Bouys #3-5</u>
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: BRIGA / WESTERMAN

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 H₂O 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
<u>Tt</u>	<u>3</u>	<u>8</u>	<u>Boatnose Dolphins</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

Eric Westerman, Irine Briga

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge MERMENTAU

Project FREEPORT ENTRANCE

DAILY REPORT

Date: 10 17 199 Loads: 315 - 334
Area(s) Worked: -110+00 - 40+00 / BEGIN LOAD #324 00+00 - 40+00
Weather Conditions: CLOUDY WINDSSE & NLY 10-15 KNOTS SEAS 2-4
Range of H₂O Temperature: Surface 26°C - 27°C Below Mid-Depth 26°C - 27°C
Condition of all screening apparatus: GOOD

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 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
<u>(BOTTLENOSE DOLPHIN)</u>	<u>4</u>	<u>18</u>	<u>SOME REPEATS</u>

Observer(s) On Duty: WESTERMAN / BRIGA

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge MERMENTAU

Project FREEMPORT ENTRANCE

WEEKLY SUMMARY

Dates: 10/11/99 - 10/17/99 Loads: 195 - 334

Range of H₂O 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
<u>T+(BOTTLENOSE DOLPHIN)</u>	<u>26</u>	<u>10-18</u>	<u>TOTAL COUNT 85 (ALOT OF REPEAT SIGHTINGS)</u>

Observers On Duty: WESTERMAN / BRIGA

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 H₂O 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
<u>Tt</u>	<u>6</u>	<u>30</u>	<u>Bottlenose Dolphins</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Eric Westerman, Irine Briga

Observer(s) On Duty: _____

Dredge MERMENTAU

Project FREEMPORT ENTRANCE

DAILY REPORT

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

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

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

Range of H₂O 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

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 WHECK EGG CASES.

... MATERIALS BEING DREDGED ARE MUD AND CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TT (BOTTLENOSE DOLPHIN)</u>	<u>4</u>	<u>12</u>	

Observer(s) On Duty: NESTERMAN / BRIGA

ENDANGERED 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 H₂O Temperature: Surface 23-24⁰C Below Mid-Depth 23-24⁰C

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

Eric Westerman, Irine Briga

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

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge MERMENTAU

Project FREEMPORT ENTRANCE

DAILY REPORT

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

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

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

Range of H₂O 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 DRAG HEADS 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
<u>TT (BOTTLENOSE DOLPHIN)</u>	<u>3</u>	<u>12</u>	<u>POSSIBLE REPEATS</u>
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: WESTERMAN / BRIGA

ENDANGERED 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 H₂O Temperature: Surface 23.5-24^oC Below Mid-Depth 23.5^o-24C

Condition of all screening apparatus: Good

Are there incidents involving endangered or protected species? Yes No

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
<u>Tt</u>	<u>3</u>	<u>6</u>	<u>Bottlenose Dolphins</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

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

ENDANGERED 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 NLY 10-30 KNOTS; SEAS 3-5' ↓ 2-3'

Range of H₂O 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
<u>T (BOTLENOSE DOLPHIN)</u>	<u>2</u>	<u>5</u>	
<u>C.M (GREEN) SEATURTLE</u>	<u>1</u>	<u>1</u>	

Observer(s) On Duty: BRIGA / WESTERMAN

ENDANGERED 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 H₂O 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

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
<u>Tt</u>	<u>1</u>	<u>3</u>	<u>Bottlenose Dolphins</u>

Eric Westerman, Irine Briga

Observer(s) On Duty: _____

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Mermentau

Project Freeport Entrance Channel

WEEKLY SUMMARY

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

Range of H₂O 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

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
<u>Cm</u>	<u>1</u>	<u>1</u>	<u>Green sea turtle</u>
<u>Tt</u>	<u>20</u>	<u>75</u>	<u>Bottlenose Dolphins</u>

Eric Westerman, Irine Briga

Observers On Duty: _____

Dredge MERMENTAU

Project FREEMPORT ENTRANCE

DAILY REPORT

Date: 10 125 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 WAVE SWELL

Range of H₂O 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 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
<u>7 (BOTTLENOSE DOLPHIN)</u>	<u>3</u>	<u>20</u>	<u>POSSIBLE REPEAT ANIMALS</u>
_____	_____	_____	_____
_____	_____	_____	_____

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 H₂O Temperature: Surface 23.5-24^oC Below Mid-Depth 23.5-24^oC

Condition of all screening apparatus: Good

Are there incidents involving endangered or protected species? Yes No

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
<u>Tt</u>	<u>6</u>	<u>18</u>	<u>Bottlenose Dolphins</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

Eric Westerman, Irine Briga

Observer(s) On Duty:

ENDANGERED 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 ELY 5-15 KNOTS; SEAS 2-3'

Range of H₂O 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

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
<u>TT (BOTTLENOSE DOLPHIN)</u>	<u>5</u>	<u>34</u>	<u>SOME REPEAT ANIMAL SIGHTINGS</u>
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: WESTERMAN / BRIGA

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 H₂O 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
<u>Tt</u>	<u>2</u>	<u>16</u>	<u>Bottlenose Dolphins</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

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

Dredge MERMENTAU

Project FREEDPORT 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 H₂O 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

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
<u>T+</u>	<u>1</u>	<u>4</u>	<u>AT DUMP SITE</u>
<u>T+</u>	<u>IN DIO & DUMP AREA ALL DAY</u>		

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 H₂O Temperature: Surface 24^oC Below Mid-Depth 24^oC

Condition of all screening apparatus: Good

Are there incidents involving endangered or protected species? Yes No

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
<u>Tt</u>	<u>4</u>	<u>7</u>	<u>Bottlenose Dolphins</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Eric Westerman, Heather Page

Observer(s) On Duty: _____

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 H₂O 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

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 &
WHOLE EGG CASING.

ABIOTIC MATERIAL IS TRASH, FISHING GEAR
& RAGS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T+</u>	<u>1</u>	<u>6</u>	<u>BOTTLENOSE DOLPHINS IN CUT</u>

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

Dredge MERMENTAU

Project FREEMPORT ENTRANCE CHANNEL

WEEKLY SUMMARY

Dates: 10/25/99 - 10/31/99

Loads: 466-600

Range of H₂O 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

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 BAGS, MACHINE PARTS AND WOOD.

MATERIAL DREDGED IS MUD AND CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T+</u>	<u>+21</u>	<u>+99</u>	<u>BOTTLENOSE DOLPHINS</u>

Observers On Duty: HEATHER PAIGE, ERIC WESTERMAN

ENDANGERED SPECIES OBSERVER PROGRAM

Mermentau
Dredge _____
Freeport Entrance Channel
Project _____

DAILY REPORT

Date: 11 / 01 / 99 Loads: 601-616
Area(s) Worked: _____ Stations -40+00-110+00
Weather Conditions: _____ SKies partlÿ cloudy, Winds NW 10-15 knots, Seas 2'-3'
Range of H₂O 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

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 H₂O 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

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
<u>TH</u>	<u>5</u>	<u>22</u>	<u>BOTTLENOSE</u>

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

ENDANGERED 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 H₂O 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

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
<u>Tt</u>	<u>3</u>	<u>56</u>	<u>Bottlenose Dolphins</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

Eric Westerman, Heather Paige

Observer(s) On Duty:

Dredge MERMENTAU

Project FREEMPORT 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 H₂O 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

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

BIOLOGICAL SPECIMENS ARE AN EEL, SPIDER CRABS, 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
<u>T+</u>	<u>5</u>	<u>±10</u>	<u>BOTTLENOSE</u>

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

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Mermentau

Project Freeport Entrance Channel

DAILY REPORT

Date: 11 / 05 / 99 Loads: 666671

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 H₂O 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

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

Eric Westerman, Heather Paige

Observer(s) On Duty: _____

Dredge MERMENTAU

Project FREEDPORT 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 H₂O 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

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, RAFTS, WOOD
FISHING GEAR.

MATERIAL DREDGED IS MUD & CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T+</u>	<u>1</u>	<u>6</u>	<u>BOTTLENOSE</u>

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

ENDANGERED 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 H₂O 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
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Eric Westerman, Heather Paige

Observer(s) On Duty: _____

ENDANGERED SPECIES OBSERVATION

Dredge Mermentau

Project Freeport Entrance Channel

WEEKLY SUMMARY

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

Range of H₂O 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

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
<u>Tt</u>	<u>16</u>	<u>99</u>	<u>Bottlenose dolphins</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

Eric Westerman, Heather Paige

Observers On Duty:

Dredge MERMENTAU

Project FREEMONT 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 H₂O 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

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

BIOLOGICAL SPECIMENS: SPIDERCRAWL, WHELK EGG CASINGS & SHELLS.

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

MATERIAL DREDGED IS MUD & CLAY.

* BARELY 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' 72 W
TH	3	9	BOTTLENOSE

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

ENDANGERED 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 H₂O 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

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
<u>Tt</u>	<u>1</u>	<u>12</u>	<u>Bottlenose Dolphins</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

Eric Westerman, Heather Paige

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge MERMENTAU

Project FREEMPORT 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 H₂O 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

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

BIOLOGICAL SPECIMENS: SPIDER CRAB, FLOUNDER
WHALE 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
<u>TT</u>	<u>1</u>	<u>4</u>	<u>BOTTLENOSE</u>

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

ENDANGERED SPECIES OBSERVER PROGRAM

Mermentau
Dredge _____
Freeport
Project _____

DAILY REPORT

Date: 11 / 11 / 99 Loads: 759-774
Stations -40+00-110+00
Area(s) Worked: _____
Weather Conditions: Skies partly cloudy, Winds Easterly 5-10 knots, Seas 2'-3'
Range of H₂O 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
<u>Tt</u>	<u>1</u>	<u>2</u>	<u>Bottlenose Dolphins</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Eric Westerman, Heather Paige

Observer(s) On Duty: _____

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge MERMENTAU

Project FREEMPORT 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 H₂O 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

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

BIOLOGICAL SPECIMENS ARE VERY FEW:
WATERBUG 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
<u>Tf</u>	<u>1</u>	<u>5</u>	<u>BOTTLENOSE</u>

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

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 H₂O 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

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

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge MENTAL

Project FREEDPORT 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 S-10KTS, 1-3' SEAS

Range of H₂O 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

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

BIOLOGICAL SPECIMENS: ALGA, MUREX SHELLS & EGG CASINGS.

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

MATERIAL DREDGED IS MUD & CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T+</u>	<u>5</u>	<u>±12</u>	<u>BOTTLENOSE</u>

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 H₂O 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

Comments: NO SEA TURTLES WERE KILLED OR INJURED THIS WEEK. A BARELY 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, WHEAT 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
<u>Oc</u>	<u>1</u>	<u>1</u>	<u>DEAD LOGGERHEAD 28°55'147 N 95°16'792 W</u>
<u>T+</u>	<u>3</u>	<u>9</u>	<u>BOTTLENOSE</u>

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

ENDANGERED 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 7:10:00

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

Range of H₂O 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

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
<u>TE</u>	<u>1</u>	<u>6</u>	<u>time: 1040</u>

Observer(s) On Duty: Pinion, Paige

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: MERIMENTAU

Project: FREEDPORT ENTRANCE CHANNEL

DAILY REPORT

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

Area(s) Worked: STATIONS 40+00 TO 410+00

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

Range of H₂O 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

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

BIOLOGICAL SPECIMENS: ALGA, SPIDER CRAB
WATER SHELS & EGG CASINGS.

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

MATERIAL DREDGED IS MUD & CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T+</u>	<u>+8</u>	<u>>22</u>	<u>In Dig & Dump Area All Day</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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 H₂O 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

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
<u>Tursiops truncatus</u>		<u>720</u>	<u>animals observed throughout daylight hours in and out of channel</u>

Observer(s) On Duty: Pinion | Paige

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge MERMENTAU

Project FREEDOM 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 H₂O 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

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

BIOLOGICAL SPECIMENS: WHOLE SHELLS & BGG 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 PINIONS

Dredge Mormontau

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 H₂O 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

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
<u>Tursiops truncatus</u>	<u>3</u>	<u>22</u>	

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

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge MERIMENTAV

Project FREEDOM ENTRANCE CHANNEL

DAILY REPORT

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

Area(s) Worked: STATIONS 02100 TO -40100, -40100 TO -110100

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

Range of H₂O 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

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

BIOLOGICAL SPECIMENS: SPIDER CRAB, WATER
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
<u>T+</u>	<u>1</u>	<u>18</u>	<u>BOTTLENOSE</u>

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

ENDANGERED 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, 5-10-15 kts, 2-3' seas

Range of H₂O 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

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 MERMENITAN

Project FREEDPORT ENTRANCE CHANNEL

WEEKLY SUMMARY

Dates: 11/15/99 - 11/21/99

Loads: 832-976

Range of H₂O 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

Comments: _____

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

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

DREDGED MATERIAL IS MUD & CLAY.

11-20-99 TENS DAMAGED & REPAIRED IMMEDIATELY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>FF</u>	<u>MULTIPLE</u>	<u>500-750</u>	<u>IN AREA ALL DAY ON SEVERAL DAYS.</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observers On Duty: HEATHER PAIGE, TIM PINION

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge MERMENTAU

Project FREEPORT ENTRANCE CHANNEL

DAILY REPORT

Date: 11 / 22 / 99 Loads: 977 - 998

Area(s) Worked: -40 to 0 to -110 to 0
Weather Conditions: PARTLY CLOUDY, SOUTHERLY WINDS 10-20 KTS, 4-7' SEAS

Range of H₂O 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

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

BIOLOGICAL SPECIMENS ARE VERY FEW:
CATFISH, WATERLIS.

ABIOTA - TRASH, FISH OIL

MATERIAL DREDGED IS MUD & CLAY

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

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>* CL</u>	<u>2</u>	<u>1</u>	<u>LOGGERHEAD 100 m FROM DREDGE</u>
<u>TH</u>	<u>2</u>	<u>1/2</u>	

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

ENDANGERED SPECIES SURVEY

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 -116+00

Weather Conditions: SE 10-15 kts → N 10 kts, seas 4-7', cloudy + rain → clear

Range of H₂O 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

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
<u><i>Uca truncatus</i></u>	<u>4</u>	<u>40-50</u>	<u>majority observed around jetties</u>
_____	_____	_____	_____
_____	_____	_____	_____

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

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge MERMENTAU

Project FREEDPORT 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 H₂O 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

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

BIOLOGICAL SPECIMENS: 2 CATFISH, CRAB SHELLS & EGG CASINGS

ABIOTA: TRASH, FISHING LINE & GEAR, WOOD

MATERIAL DREDGED IS MUD & CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T+</u>	<u>10</u>	<u>40-60</u>	<u>IN CHANNEL & SETTY AREA ALL DAY</u>

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

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Mermentau

Project Freeport Entrance Channel

DAILY REPORT

Date: 11/25/99 Loads: 1034 - 1051

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

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

Range of H₂O Temperature: Surface 19-20°C Below Mid-Depth 19-20°C

Condition of all screening apparatus: good

Were there incidents involving endangered or protected species? Yes No

Comments (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

Species	# of Sightings	# of Animals	Comments
<u>sierrae truncatus</u>	<u>numerous</u>	<u>25+</u>	<u>observed in area throughout day, especially near jetty</u>
_____	_____	_____	_____
_____	_____	_____	_____

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

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge MERMENTAU

Project FREEDPORT 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 H₂O 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

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

BIOLOGICAL SPECIMENS ARE FEW:
WHILE EGG CASINGS AND SHELLS.

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

MATERIAL DREDGED IS MUD & CLAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>T+</u>	<u>NUMERAS</u>	<u>50-60</u>	<u>IN AREA ALL DAY / NEAR JETTYS</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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

ENDANGERED 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 H₂O 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

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

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Mermentau

Project Freeport Entrance Channel

DAILY REPORT

Date: 12 / 23 / 99 Loads: 1094 - 1105 *

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

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

Range of H₂O 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

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
<u>Amphisp. truncatus</u>	<u>1</u>	<u>2</u>	<u>observed in dump</u>

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