Endangered Species Observer Program
LOAD DATA FORM

Project Name: ~~GALVESTON~~ Freeport HARBOR & ENTRANCE CHANNEL **USACE District:** GALVESTON

Dredge Name: MV GLENN EDWARDS **Dredge Firm:** MANSON Construction

Date 10 / 30 / 09 **LOAD #:** 1

Times (24hrs): Start 1057 End 1244 Dump 1300

Location, Lat/Long: N 28° 53.826 W 95° 15.487

Condition of screening: Fore Good Mid Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** VOSTA **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD.
Weather conditions: CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 4 **Wave Height:** 34 ft

Wind (speed & direction): NW 11 kts **AIR TEMP:** 16 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 22.2 (C) °F Column (mid-depth) — °C/°F Bottom — °C/°F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	None	25%	50%	75%	(100%)
X	Other screening:	None	25%	50%	75%	(100%)

FORE SCREEN CONTENTS: GRASS, ROPE, Plastic

MID SCREEN CONTENTS: GRASS, ROPE, CHAIN, PLASTIC

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species) /
- Shark (any species)
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: Nathan Schwalen **Observer firm** COASTWISE CONSULTING, Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: ~~GALVESTON~~ FREEPORT HARBOR & ENTRANCE CHANNEL **USACE District:** GALVESTON

Dredge Name: MV GLENN EDWARDS **Dredge Firm:** MANSON Construction

Date 10/30/09 **LOAD #:** 2

Times (24hrs): Start 1312 End 1409 Dump 1422

Location, Lat/Long: N 28° 54.450 W 95° 16.035

Condition of screening: Fore GOOD Mid GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** VOSTA **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** GOOD

Type of material dredged: MUD
Weather conditions: CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 2-3 ft

Wind (speed & direction): NW 6 kts **AIR TEMP:** 16 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 22.2 (°C) °F Column (mid-depth) — °C/°F Bottom — °C/°F

SCREEN TYPE						
X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	None	25%	50%	75%	(100%)
X	Other screening:	None	25%	50%	75%	(100%)

FORE SCREEN CONTENTS: Grass, Plastic Trash, Rope, metal
Whelk and Pen Shell

MID SCREEN CONTENTS:

AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab
- Blue crab

(0)

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Inflow screens holding some grass.
Overflow clogging fully with grass

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: N. Schwalen **Observer firm** COASTWISE CONSULTING, Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 10/30/09 **LOAD #:** 3

Times (24hrs): Start 1504 End 1704 Dump 1716

Location, Lat/Long: N 28° 54 .450 W 95° 16 .035

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 2-3 ft

Wind (speed & direction): NW 6-8 kts **AIR TEMP:** 16 °C/° F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 22.2 °C/° F **Column (mid-depth)** — °C/° F **Bottom** — °C/° F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: GRASS, PLASTIC, NET, TRASH WOOD

MIDDLE SCREEN CONTENTS: GRASS, PLASTIC, TRASH WOOD

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) Ø
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Forward & mid inflow screens plugged with Grass & some rope and plastic trash. Overflow (wiers) completely packed with grass and trash.

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Nathan Schwalen **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 10/30/09 **LOAD #:** 4

Times (24hrs): Start 1504 End 1704 Dump 1716

Location, Lat/Long: N 28 54 .450 W 95 16 .035

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: OVERCAST

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 2-3 ft

Wind (speed & direction): 5-10 NW **AIR TEMP:** 16 (C)/F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 22.2 (C)/F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE					
X	Inflow screening:	(None)	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	(100%)
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: WOOD, GRASS, WEED, CRAB, TRASH PLASTIC

MIDDLE SCREEN CONTENTS: WOOD GRASS PLASTIC, CATFISH

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:

Sturgeon (any species)	
Shark (any species)	
Horseshoe crab	
Blue crab	

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: DIGGING W/INFLOW BOXES OPEN DUE TO CLOGGING

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: N. ZAWINSKY **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 10 / 30 / 09 **LOAD #:** 5

Times (24hrs): Start 2035 End 2202 Dump 2217

Location, Lat/Long: N 28 54.450W 95 16.035

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: mud/silt
Weather conditions: overcast

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 1-2 ft

Wind (speed & direction): 3-8 NW **AIR TEMP:** 16 (°C)/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 22.2 (°C)/°F Column (mid-depth) _____ °C / °F Bottom _____ °C / °F

SCREEN TYPE						
X	Inflow screening:	(None)	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	(100%)
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: moon snail, catfish, wood plastic grass trash
MIDDLE SCREEN CONTENTS: wood grass plastic trash crab
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) _____
Shark (any species) _____
Horseshoe crab _____
Blue crab _____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES _____ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: _____

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: N. Zavinsky **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 10 / 30 / 09 **LOAD #:** 6

Times (24hrs): **Start** 2322 **End** ~~0000~~ 0059 **Dump** 0119

Location, Lat/Long: N 28 54 .45 W 95 16 .035

Condition of screening : **Forward** Good **Middle** Good **Aft** Good **Overflow** Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: mud/silt
Weather conditions: overcast

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 1-2 ft

Wind (speed & direction): NW 5 - 10 **AIR TEMP:** 16 (C) / F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: **Surface** 22.2 (C) / F **Column (mid-depth)** ____ °C / °F **Bottom** ____ °C / °F

SCREEN TYPE

X	Inflow screening:	(None)	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	(100%)
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: Grass, wood, crab, plastic trash

MIDDLE SCREEN CONTENTS: Grass wood plastic, trash wet

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:

Sturgeon (any species)	
Shark (any species)	
Horseshoe crab	
Blue crab	Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% **100%**

Observer's Name: N. Esrinsky **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 10/31/09 **LOAD #:** 7

Times (24hrs): **Start** 0208 **End** 0413 **Dump** 0434

Location, Lat/Long: N 28 54 . 45 W 95 16 . 035

Condition of screening : **Forward** Good **Middle** Good **Aft** Good **Overflow** Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: mud/silt
Weather conditions: overcast

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 1-2 ft

Wind (speed & direction): NW 5-10 **AIR TEMP:** 16 (C) / F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: **Surface** 22.2 (C) / F **Column (mid-depth)** ___ °C / °F **Bottom** ___ °C / °F

SCREEN TYPE						
X	Inflow screening:	(None)	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	(100%)
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: GRASS, WOOD, TRASH, PLASTIC

MIDDLE SCREEN CONTENTS: GRASS, WOOD, CRAB, CATFISH, TRASH

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: N. Ewanski **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 10 / 31 / 09 **LOAD #:** 8

Times (24hrs): Start 0528 End 0736 Dump 803

Location, Lat/Long: N 28° 54 . 450 W 95° 16 . 035

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: MOSTLY CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 0-1 ft

Wind (speed & direction): NNE @ 4-6 kts **AIR TEMP:** 16 (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.7 (°C) °F Column (mid-depth) — °C / °F Bottom — °C / °F

SCREEN TYPE						
X	Inflow screening:	(None)	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	(100%)
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: GRASS, ROPE, CLAY, PLASTICS

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
Sturgeon (any species) 0
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: * INFLOW SCREENS ARE CLOGGED WITH GRASS AND OTHER DEBRIS
INFLOW DOORS ARE OPEN

* OVERFLOW SCREENS SEVERELY CLOGGED REQUIRING A.B. HELP TO AVOID LONG, PROLONGED DELAY

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: N. SCHWALEN **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 10 / 31 / 09 **LOAD #:** 9

Times (24hrs): **Start** 0822 **End** 1011 **Dump** 1046

Location, Lat/Long: N 28° 54 . 450 W 95° 16 . 035

Condition of screening : **Forward** GOOD **Middle** GOOD **Aft** GOOD **Overflow** GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: MOSTLY CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** _____ ft

Wind (speed & direction): NNE @ 6kts **AIR TEMP:** 17 (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: **Surface** 20.4 (°C) °F **Column (mid-depth)** — °C / °F **Bottom** — °C / °F

SCREEN TYPE						
X	Inflow screening:	(None)	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	(100%)
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: GRASS, TRASH, SILVER (CUTLASS FISH) EEL CATFISH, WOOD

MIDDLE SCREEN CONTENTS: ↓

AFT SCREEN CONTENTS: ↓

Estimate number entrained on this load for the following:
Sturgeon (any species) 0
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES _____ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ~~N/A~~ WIERS CONTINUE TO CLOG INFLOW DOORS OPEN

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: NATHAN SCHWALEN **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 10 / 31 / 09 **LOAD #:** 10

Times (24hrs): Start 1132 End 1319 Dump 1339

Location, Lat/Long: N 28° 54.450 W 95° 16.035

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: MOSTLY CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 **Wave Height:** 0-1 ft

Wind (speed & direction): NNW @ 12 KTS **AIR TEMP:** 22 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.4 °C/°F Column (mid-depth) — °C/°F Bottom — °C/°F

SCREEN TYPE						
X	Inflow screening:	(None)	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	(100%)
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: WOOD, GRASS, TRASH, CATFISH

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
Sturgeon (any species) 0
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: BOXES AND WIERS AS BEFORE

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: NATHAN SCHUALEN **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 10/31/09 **LOAD #:** 11

Times (24hrs): Start 1414 End 1616 Dump 1634

Location, Lat/Long: N 28° 54 . 450 W 95° 16 . 035

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 **Wave Height:** 0-1 ft

Wind (speed & direction): NNW @ 8 KTS **AIR TEMP:** 22 (C) F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.4 °C / °F **Column (mid-depth)** — °C / °F **Bottom** — °C / °F

SCREEN TYPE						
X	Inflow screening:	(None)	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	(100%)
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: WOOD, TRASH, GRASS, CATFISH

MIDDLE SCREEN CONTENTS: |

AFT SCREEN CONTENTS: \

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: BOXES & WIERS AS BEFORE

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: NATHAN SCHWALEN **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 10 / 31 / 09 **LOAD #:** 12

Times (24hrs): Start 1702 End 1919 Dump 1932

Location, Lat/Long: N 28° 54 .450 W 95° 16 .035

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 0-1 ft

Wind (speed & direction): NNW 5-10 **AIR TEMP:** 22 (°C) °F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.4 °C / °F **Column (mid-depth)** — °C / °F **Bottom** — °C / °F

SCREEN TYPE						
X	Inflow screening:	(None)	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	(100%)
X	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: Wood grass catfish

MIDDLE SCREEN CONTENTS: Wood grass catfish

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) Ø
Shark (any species) Ø
Horseshoe crab Ø
Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: BUOYS & WEIRS AS BEFORE

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: N. ZAWINSKY **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 10/31/09 **LOAD #:** 13

Times (24hrs): Start 2023 End 2232 Dump 2245

Location, Lat/Long: N 28 54.460 W 95 16.035

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD/SILT
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 0-1 ft

Wind (speed & direction): NNW 5-10 **AIR TEMP:** 22 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.4 °C/°F Column (mid-depth) _____ °C/°F Bottom _____ °C/°F

SCREEN TYPE						
X	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: WOOD, GRASS, TRASH, PLASTIC

MIDDLE SCREEN CONTENTS: WOOD, GRASS, SNAKE EEL, PLASTIC, TRASH

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) Ø
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES _____ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: N. ZAWINSKY **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 10/31/09 **LOAD #:** 14

Times (24hrs): Start 2331 End 0036 Dump 0048

Location, Lat/Long: N 28 54.450 W 95 16.035

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD/SILT
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 0-1 ft

Wind (speed & direction): NW 5-10 **AIR TEMP:** 21 (°C)/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 22.2 (°C)/°F Column (mid-depth) _____ °C/°F Bottom _____ °C/°F

SCREEN TYPE						
X	Inflow screening:	(None)	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	(100%)
X	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: GRASS, WOOD, PLASTIC, TRASH

MIDDLE SCREEN CONTENTS: ↓ ↓ ↓ ↓

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) Ø
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: BOXES & WEIRS AS BEFORE

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: N. ZAVINSKY **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 01 / 09 **LOAD #:** 15

Times (24hrs): Start 0125 End 0223 Dump 0234

Location, Lat/Long: N 28 54.450 W 95 16 .035

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD / SILT
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 0 / ft

Wind (speed & direction): NNW 0-5 kts **AIR TEMP:** 19.5 (°C) F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 22.2 °C / °F Column (mid-depth) _____ °C / °F Bottom _____ °C / °F

SCREEN TYPE						
X	Inflow screening:	(None)	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	(100%)
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: GRASS, WOOD, CATFISH, TRASH PLASTIC
MIDDLE SCREEN CONTENTS: ↓ ↓ ↓ ↓ ↓
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) Ø
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: BOXES & WEIRS AS BEFORE

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: N. ZAVINSKY **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 1 / 09 **LOAD #:** 16

Times (24hrs): Start 0312 End 0500 Dump 0511

Location, Lat/Long: N 28 54 .450 W 95 16 .035

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD/SILT
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 0-1 ft

Wind (speed & direction): 5-10 NNW **AIR TEMP:** 29.5 (C)° F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 22.2 (°C)/° F Column (mid-depth) — °C /° F Bottom — °C /° F

SCREEN TYPE

X	Inflow screening:	(None)	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	(100%)
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: WOOD, GRASS, CATFISH, TRASH

MIDDLE SCREEN CONTENTS: X

AFT SCREEN CONTENTS: X

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab ___
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ~~DIVERS~~ CLOGGING REDUCED ON WIERS. ONLY AFTER SCREENS REQUIRED CLEANING

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: Nathan Schwaler **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 01 / 09 **LOAD #:** 17

Times (24hrs): Start 0539 End 0730 Dump 0739

Location, Lat/Long: N 28° 54 .450 W 95° 16 .035

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: MOSTLY CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 4 **Wave Height:** 2-3 ft

Wind (speed & direction): NNW @ 7 kts **AIR TEMP:** 18 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.0 °C/°F Column (mid-depth) — °C/°F Bottom — °C/°F

SCREEN TYPE						
X	Inflow screening:	(None)	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	(100%)
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: WOOD, GRASS, CATFISH, TRASH

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab
Blue crab
Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: WIER CLOGGING MUCH REDUCED

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: N. SCHWALEN **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 1 / 09 **LOAD #:** 18

Times (24hrs): Start 0810 End 1044 Dump 1052

Location, Lat/Long: N 28° 54 . 450 W 95° 16 . 035

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: MOSTLY CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 4 **Wave Height:** 3-4 ft

Wind (speed & direction): NW 6-8 KTS **AIR TEMP:** 20 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.2 °C/°F Column (mid-depth) — °C/°F Bottom — °C/°F

SCREEN TYPE

X	Inflow screening:	(None)	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	(100%)
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: WOOD, GRASS, TRASH, CATFISH

MIDDLE SCREEN CONTENTS: ✓

AFT SCREEN CONTENTS: ✓

Estimate number entrained on this load for the following:

Sturgeon (any species) 0
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: INFLOW AS BEFORE.
OVERFLOW CLOGGING IMPROVED

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: N. SCHWALEN **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 1 / 09 **LOAD #:** 19

Times (24hrs): Start 1106 End 1257 Dump 1311

Location, Lat/Long: N 28° 54 . 503 W 95° 16 . 118

Condition of screening : Forward 6000 Middle 6000 Aft 6000 Overflow 6000

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD, SOME CLAY
Weather conditions: MOSTLY CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 4 **Wave Height:** 2-3 ft

Wind (speed & direction): N @ 7 kts **AIR TEMP:** 21 °C/° F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.2 °C/° F Column (mid-depth) — °C /° F Bottom — °C /° F

SCREEN TYPE						
X	Inflow screening:	(None)	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	(100%)
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: WOOD, TRASH, GRASS

MIDDLE SCREEN CONTENTS: ✓

AFT SCREEN CONTENTS: ✓

Estimate number entrained on this load for the following:
Sturgeon (any species) ∅
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: INFLOW AS BEFORE
OVERFLOW - MUCH LESS CLOGGING. CLEANE AFT WEIR ONLY

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: N. SCHWALEN **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/1/09 **LOAD #:** 20

Times (24hrs): Start 1325 End 1504 Dump 1517

Location, Lat/Long: N 28° 54.503 W 95° 16.118

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: MOSTLY CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 4 **Wave Height:** 2-3 ft

Wind (speed & direction): NW @ 6-8 kts **AIR TEMP:** 21 (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.20 °C/°F **Column (mid-depth)** — °C/°F **Bottom** — °C/°F

SCREEN TYPE						
X	Inflow screening:	(None)	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	(100%)
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: S. STINGRAY, CUTLASS FISH, CATFISH, WOOD, GRASS, PLASTIC TRASH, FISHING GEAR

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: INFLOW AS BEFORE
WEIRS - ~~CLOGGING~~ NO CLOGGING - SOME GRASS

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: N. SCHWALEN **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 1 / 09 **LOAD #:** 21

Times (24hrs): Start 1529 End 1718 Dump 1728

Location, Lat/Long: N 28° 54 .503 W 950 16 .118

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: MOSTLY CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 4 **Wave Height:** 2-3 ft

Wind (speed & direction): E @ 7 kts **AIR TEMP:** 21 (C)° F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.2 (C)/° F **Column (mid-depth)** — °C /° F **Bottom** — °C /° F

SCREEN TYPE

X	Inflow screening:	(None)	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	(100%)
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: FLOUNDER, CATFISH, WOOD, GRASS, PLASTIC TRASH, NET
MIDDLE SCREEN CONTENTS: ↓ ↓ ↓ ↓ ↓
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab ___
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: INFLOW AS BEFORE
WEIRS NO CLOGGING SOME GRASS & TRASH

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: NATHAN SCHWALEN **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/1/09 **LOAD #:** 22

Times (24hrs): Start 1740 End 1948 Dump 1959

Location, Lat/Long: N 28 54 .503 W 95 16 .118

Condition of screening : Forward Grn Middle Grn Aft Grn Overflow Grn

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD / SILT
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 4 **Wave Height:** 2-3 ft

Wind (speed & direction): N 10-15 **AIR TEMP:** 20 (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.2 (°C)/°F Column (mid-depth) ____ °C/°F Bottom ____ °C/°F

SCREEN TYPE						
X	Inflow screening:	(None)	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	(100%)
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: GRASS, WOOD, CATFISH, TRASH

MIDDLE SCREEN CONTENTS: ↓ ↓ ↓ ↓

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:

Sturgeon (any species)	
Shark (any species)	
Horseshoe crab	1
Blue crab	

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: BAYES & WEIRS AS BEFORE

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% **100%**

Observer's Name: N. ZAVINSKY **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 1 / 09 **LOAD #:** 23

Times (24hrs): Start 2011 End 2207 Dump 2220

Location, Lat/Long: N 28 54.503 W 95 16.118

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD/SILT
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 4 **Wave Height:** 2-3 ft

Wind (speed & direction): N 5-10 **AIR TEMP:** 20 (°C)/F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.2 (°C)/F Column (mid-depth) ___ °C/F Bottom ___ °C/F

SCREEN TYPE

X Inflow screening:	(None)	25%	50%	75%	100%
X Overflow screening:	None	25%	50%	75%	(100%)
X Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: GRASS, WOOD, TRASH

MIDDLE SCREEN CONTENTS: ↓ ↓ ↓

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) Ø
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: BOXES & WEIRS AS BEFORE

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: N. ZAVINSKY **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 1 / 09 LOAD #: 24

Times (24hrs): Start 2233 End 0029 Dump 0143

Location, Lat/Long: N 28 54 . 503 W 95 16 . 118

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD/SILT
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 4 Wave Height: 2-3 ft

Wind (speed & direction): N 10-15 AIR TEMP: 20 (C) F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.2 °C / °F Column (mid-depth) — °C / °F Bottom — °C / °F

SCREEN TYPE

X	Inflow screening:	(None)	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	(100%)
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: CATFISH, GRASS, TRASH

MIDDLE SCREEN CONTENTS: GRASS, WOOD, TRASH

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab
Blue crab
(Ø)

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: BOXES & WEIRS AS BEFORE

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% [100%]

Observer's Name: N. ZAVINSKY Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/2/09 **LOAD #:** 25

Times (24hrs): Start 0057 End 0250 Dump 0304

Location, Lat/Long: N 28 54 .503 W 95 16 .118

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD/SILT
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 4 **Wave Height:** 2-3 ft

Wind (speed & direction): N 10-15 **AIR TEMP:** 20 (°C) °F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.2 (°C)/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

X	Inflow screening:	(None)	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	(100%)
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: GRASS, JELLYFISH, TRASH

MIDDLE SCREEN CONTENTS: GRASS, TRASH

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) Ø
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: BOXES & WEIRS AS BEFORE

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: N. ZANINSKY **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11/2/09 LOAD #: 26

Times (24hrs): Start 0318 End 0509 Dump 0525

Location, Lat/Long: N 28 54.503 W 95 16 .118

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: Mud/Silt
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 4 Wave Height: 2-3 ft

Wind (speed & direction): SE 5-10 AIR TEMP: 19.5 (C) F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.2 (C)/° F Column (mid-depth) _____ °C /° F Bottom _____ °C /° F

SCREEN TYPE

X	Inflow screening:	(None)	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	(100%)
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: WOOD, TRASH

MIDDLE SCREEN CONTENTS: WOOD, TRASH

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) Ø
Shark (any species) Ø
Horseshoe crab Ø
Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES _____ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: _____

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% [100%]

Observer's Name: N. ZAWISKY Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/2/05 **LOAD #:** 27

Times (24hrs): Start 0546 End 0745 Dump 0804

Location, Lat/Long: N 28 54.503 W 95 16.118

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD/SILT
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 1-2 ft

Wind (speed & direction): NNEW 5 KTS **AIR TEMP:** 13 (C) F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.2 (C) °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

X	Inflow screening:	(None)	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	(100%)
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: STING RAY, WOOD

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:

- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ___
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: N. SCHWALEN **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/02/09 **LOAD #:** 28

Times (24hrs): Start 0847 End 1110 Dump 1129

Location, Lat/Long: N ~~28~~ ~~54~~ ~~503~~ W ~~95~~ 16.118

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD/SILT/CLAY
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 1-2 ft

Wind (speed & direction): NNE @ 7 kts **AIR TEMP:** 16 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.2 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE					
X	Inflow screening:	(None)	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	(100%)
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: GRASS, WOOD, PLASTIC, TRASH

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab
- Blue crab

Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: N. SCHWALEN **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11/2/09 LOAD #: 29

Times (24hrs): Start 1151 End 1355 Dump 1411

Location, Lat/Long: N 28 54 .503 W 95 16 .118

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD/SILT/CLAY
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 Wave Height: 1-2 ft

Wind (speed & direction): NE @ 7 kts AIR TEMP: 20 (°C)/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.2 (°C)/°F Column (mid-depth) — °C/°F Bottom — °C/°F

SCREEN TYPE

X	Inflow screening:	(None)	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	(100%)
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: WOOD, TRASH, GRASS, CATFISH, WHELK, AND OTHER SHELL

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab
Blue crab
Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% [100%]

Observer's Name: N. SCHWARZ Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 2 / 09 **LOAD #:** 30

Times (24hrs): Start 1752 End 2028 Dump 2045

Location, Lat/Long: N 28 54.503 W 95 14.118

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD / SILT / CLAY
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 1-2 ft

Wind (speed & direction): NNE 5-10 **AIR TEMP:** 17 (C/F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.2 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: WOOD, GRASS, PLASTIC, TRASH

MIDDLE SCREEN CONTENTS: Ø

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species) ___
- Shark (any species) ___
- Horseshoe crab ___
- Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ___
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: N. ZAVINSKY **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

SECTION 2

Date 11/2/09 LOAD #: 34

Times (24hrs): Start 2110 End 2306 Dump 2327

Location, Lat/Long: N 28 54 148 W 95 16 767

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD/SILT/CLAY
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 Wave Height: 1-2 ft

Wind (speed & direction): 5-8 ESE AIR TEMP: 21.7 (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.9 (°C) °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: GRASS, SKATE, WOOD, PLASTIC, TRASH, WELK, SHELL FRAGMENTS
MIDDLE SCREEN CONTENTS: ↓ ↓ ↓ ↓
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) Ø
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: BOX & WEIRS CLOGGED W/ GRASS & DEBRIS

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: N. Zawinsky Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

SECTION 2

Date 11 / 3 / 09 **LOAD #:** 32

Times (24hrs): Start 0006 End 0153 Dump 0212

Location, Lat/Long: N 28 55.148 W 95 16 .767

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD/SILT/CLAY
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 1-2 ft

Wind (speed & direction): 5-15 ESE **AIR TEMP:** 20 (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.2 (°C) °F Column (mid-depth) — °C / °F Bottom — °C / °F

SCREEN TYPE						
X	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: WOOD, GRASS, TRASH
MIDDLE SCREEN CONTENTS: ↓ ↓ ↓
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) Ø
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: N. ZAVINSKY **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 01/03/09 **LOAD #:** 33

Times (24hrs): Start 0303 End 0454 Dump 0517

Location, Lat/Long: N 28° 55 .148 W 95° 16 .767

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD / SILT / CLAY
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 1-2 ft

Wind (speed & direction): ESE 5-10 **AIR TEMP:** 18 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.9 °C/°F **Column (mid-depth)** — °C/°F **Bottom** — °C/°F

SCREEN TYPE						
X	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: GRASS, WOOD, TRASH
MIDDLE SCREEN CONTENTS: ↓ ↓ ↓
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) Ø
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: BOXES REMAINED CLOSED
VEIRS CLOGGED AS BEFORE

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% **100%**

Observer's Name: N. ZAVINSKY **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 03 / 09 **LOAD #:** 34

Times (24hrs): Start 0553 End 0808 Dump 0825

Location, Lat/Long: N 28° 55 . 148 W 95° 16 . 767

Condition of screening : Forward 6000 Middle 6000 Aft 6000 Overflow 6000

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD & SOME CLAY
Weather conditions: MOSTLY CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 1-2 ft

Wind (speed & direction): NNE @ 3-5 KTS **AIR TEMP:** 14 (C) ° F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.8 (C) ° F Column (mid-depth) — °C / °F Bottom — °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
* X	Overflow screening:	None	25%	(50%)	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: GRASS, TRASH, WOOD, CATFISH

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS: 0

Estimate number entrained on this load for the following:

Sturgeon (any species)
Shark (any species)
Horseshoe crab
Blue crab

0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: * REMOVED 50% OF SCREENING FROM AFTER WEIR. FORWARD WEIR RAISED OUT OF SERVICE. SCREEN CLEARING MOVED TO INFLOW ONLY

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: N. SCHWALEN **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/03/09 **LOAD #:** 35

Times (24hrs): Start 0907 End 1107 Dump 1122

Location, Lat/Long: N 28° 55.148 W 95° 16.767

Condition of screening : Forward 6000 Middle 6000 Aft 6000 Overflow 6000

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD & SOME CLAY
Weather conditions: MOSTLY CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) ___ **Wave Height:** ___ ft

Wind (speed & direction): NE @ 7 kts **AIR TEMP:** 21 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.8 °C/°F **Column (mid-depth)** — °C/°F **Bottom** — °C/°F

SCREEN TYPE

		None	25%	50%	75%	100%
X	Inflow screening:					(100%)
* X	Overflow screening:	(None)	(25%)			
X	Other screening:					(100%)

FORWARD SCREEN CONTENTS: WOOD, TRASH, GRASS

MIDDLE SCREEN CONTENTS: ↓ ↓

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) Ø
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: * REMAINING WEIR SCREENS CLOGGED
OVERFLOW SOMEWHERE BETWEEN 0 AND 25%
INFLOW COVERAGE IS EXCELENT

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: N. SCHWALEN **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 03 / 09 **LOAD #:** 36

Times (24hrs): Start 1218 End 1417 Dump 1430

Location, Lat/Long: N 28° 55 . 148 W 95° 16 . 767

Condition of screening : Forward 6000 Middle 6000 Aft 6000 Overflow 6000

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD & SOME CLAY
Weather conditions: MOSTLY CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 1-2 ft

Wind (speed & direction): ENE @ 9 kts **AIR TEMP:** 21 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.2 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	None	(25%)	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: GRASS, WOOD, TRASH

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:

- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab
- Blue crab

Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: LIGHT WORK IN FORWARD BOX
TOOK DELAY TO CLEAR SCREANING IN MID BOX

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: N. SCHWALEN **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 3 / 09 **LOAD #:** 37

Times (24hrs): Start 1525 End 1642 Dump 1659

Location, Lat/Long: N 28° 55 . 148 W 95° 16 . 767

Condition of screening : Forward 6000 Middle 6000 Aft 6000 Overflow 6000

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD & SOME CLAY
Weather conditions: MOSTLY CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 1-2 ft

Wind (speed & direction): E @ 8kts **AIR TEMP:** 21 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.3 °C / °F Column (mid-depth) — °C / °F Bottom — °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: GRASS, WOOD, TRASH

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS: 0

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab
Blue crab
0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: N/A

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: N. SCHWALEN **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/3/09 **LOAD #:** 38

Times (24hrs): Start 1738 End 1939 Dump 1953

Location, Lat/Long: N 28 55 .148 W 95 16 .767

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD/SILT/CLAY
Weather conditions: Clear

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown 61 - 16.1

Beaufort Sea States (Enter BSS 1-8) 4 **Wave Height:** 3-5 ft

Wind (speed & direction): NE 10-15 **AIR TEMP:** 16.3 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.3 (°C) °F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	(25%)	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: CRAB, ~~CATFISH~~, WOOD, PLASTIC, TRASH, GRASS

MIDDLE SCREEN CONTENTS: ✓ ✓ ✓ ✓

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab ___
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: N. ZAVINSKY **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11/3/09 LOAD #: 39

Times (24hrs): Start 2036 End 2242 Dump 2256

Location, Lat/Long: N 28 55 .148 W 95 16 .767

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD/SILT/CLAY
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 4 Wave Height: 3-5 ft

Wind (speed & direction): VG 5-10 AIR TEMP: 16 (C) F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.3 (C) / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: GRASS, WEED, WOOD, TRASH, SHELL FRAGMENTS

MIDDLE SCREEN CONTENTS: GRASS, WOOD, TRASH

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) 0
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% [100%]

Observer's Name: N. ZAVINSKY Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 3 / 09 **LOAD #:** 40

Times (24hrs): Start 2348 End 0147 Dump 0200

Location, Lat/Long: N 28 55 .148 W 95 16 .767

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: mud/silt/clay
Weather conditions: clear

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 4 **Wave Height:** 3-5 ft

Wind (speed & direction): NE 5-10 **AIR TEMP:** 15 (°C) F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.3 °C / °F Column (mid-depth) _____ °C / °F Bottom _____ °C / °F

SCREEN TYPE						
X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	(25%)	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: _____

MIDDLE SCREEN CONTENTS: _____

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: _____

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: N. Zawinski **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 4 / 09 **LOAD #:** 41

Times (24hrs): Start 0238 End 0430 Dump 0450

Location, Lat/Long: N 28 55 .148 W 95 16 .767

Condition of screening : Forward Grav Middle Grav Aft Grav Overflow Grav

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD/SILT/CLAY
Weather conditions: CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 4 **Wave Height:** 3-5 ft

Wind (speed & direction): NE 5-10 **AIR TEMP:** 15 (C) F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.3 °C /°F Column (mid-depth) _____ °C /°F Bottom _____ °C /°F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	(25%)	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: WOOD, GRASS, TRASH

MIDDLE SCREEN CONTENTS: _____

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: N/A

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: N. ZAWISKY **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 4 / 09 **LOAD #:** 42

Times (24hrs): Start 0520 End 0725 Dump 0743

Location, Lat/Long: N 28° 54 . 618 W 95° 16 . 188

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD & CLAY
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) ___ **Wave Height:** 3-4 ft

Wind (speed & direction): NE 10-15 **AIR TEMP:** 66°F °C /° F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.3 (°C)/° F **Column (mid-depth)** ___ °C /° F **Bottom** ___ °C /° F

SCREEN TYPE

✓	Inflow screening:	None	25%	50%	75%	(100%)
✓	Overflow screening:	None	(25%)	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: ___
MIDDLE SCREEN CONTENTS: WOOD, GRASS, & TRASH
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab Ø
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: [illegible] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 4 / 09 LOAD #: 43

Times (24hrs): Start 0858 End 1049 Dump 1107

Location, Lat/Long: N 28° 55.610 W 95° 16.605

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD & CLAY
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 Wave Height: 3-4 ft

Wind (speed & direction): ___ AIR TEMP: 66°F °C/°F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.3 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE						
✓	Inflow screening:	None	25%	50%	75%	100%
✓	Overflow screening:	None	25%	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: GRASS, TRASH

MIDDLE SCREEN CONTENTS: ___

AFT SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:
Sturgeon (any species) 0
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: [signature] Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 4 / 09 **LOAD #:** 44

Times (24hrs): Start 1222 End 1431 Dump 1452

Location, Lat/Long: N 28° 55 .010 W 95° 16 .605'

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD & SOME CLAY
Weather conditions: P. CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) ___ **Wave Height:** 1-2 ft

Wind (speed & direction): ___ **AIR TEMP:** ___ °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C / °F Column (mid-depth) — °C / °F Bottom ___ °C / °F

SCREEN TYPE						
X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	(25%)	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: GRASS, TRASH, CLAY, SHELL, CATFISH

MIDDLE SCREEN CONTENTS: GRASS, TRASH

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab
- Blue crab

Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: N/A

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: M. SCHWALEN **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 4 / 09 **LOAD #:** 45

Times (24hrs): Start 1616 End 1827 Dump 1843

Location, Lat/Long: N 28° 55 .010 W 95° 16 .605

Condition of screening : Forward 6000 Middle 6000 Aft 6000 Overflow 6000

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD & CLAY
Weather conditions: P. CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 1-2- ft

Wind (speed & direction): ___ **AIR TEMP:** ___ °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.3 °C / °F **Column (mid-depth)** — °C / °F **Bottom** — °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None	25%)	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: GRASS, TRASH / PLASTICS, FISHING GEAR, WIRE)

MIDDLE SCREEN CONTENTS: ✓ ✓

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) 0
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: N/A

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: N. SCHWALEN **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 4 / 09 **LOAD #:** 46

Times (24hrs): Start 1930 End 2126 Dump 2139

Location, Lat/Long: N 28° 55 .010 W 95° 16 .605

Condition of screening : Forward 6000 Middle 6000 Aft 6000 Overflow 6000

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD & SOME CLAY
Weather conditions: P. CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) ___ **Wave Height:** ___ ft

Wind (speed & direction): ___ **AIR TEMP:** ___ °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C / °F Column (mid-depth) — °C / °F Bottom — °C / °F

SCREEN TYPE						
X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: GRASS, PLASTIC TRASH, ROPE, NET, SHELL, S. STINGRAY

MIDDLE SCREEN CONTENTS: ↓ ↓

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:

Sturgeon (any species)	Ø
Shark (any species)	
Horseshoe crab	
Blue crab	

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: CLOGGING OF INFLOW SCREENS REDUCED

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: N. SCHWALEN **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 4 / 09 **LOAD #:** 47

Times (24hrs): Start 2207 End 0013 Dump 0029

Location, Lat/Long: N 28° 55 .010 W 95° 16 .605

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD & SOME CLAY
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1-2 **Wave Height:** 1-2 ft

Wind (speed & direction): NE ~10 KTS **AIR TEMP:** 63°F °C/(°F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.3 °C/°F Column (mid-depth) — °C/°F Bottom — °C/°F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	(25%)	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: ___

MIDDLE SCREEN CONTENTS: 1 - COWNOSE RAY, GASTROPOD SHELLS, WOOD, ROPE, GRASS, AND TRASH.

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species) ___
- Shark (any species) ___
- Horseshoe crab Ø
- Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Ø

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: N. SCHWALEN **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: FREEPORT ENTRANCE **USACE District:** GALVESTON

Dredge Name: M/V GLENN EDWARDS **Dredge Firm:** MANSON

Date 11 / 05 / 09 **LOAD #:** 48

Times (24hrs): Start 0058 End 0250 Dump 0305

Location, Lat/Long: N 28° 54.780 W 95° 16.420

Condition of screening : Port GOOD Starboard GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** VOSTA **Size of dragheads:** 14'
Draghead deflector? YES ✓ NO ___ **Condition of deflector:** GOOD

Type of material dredged: MUD & CLAY
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) ___ **Wave Height:** 1-2' ft

Wind (speed & direction): NE ~10 KTS **AIR TEMP:** 63°F °C/°F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ (C)° F **Column (mid-depth)** ___ °C/°F **Bottom** ___ °C/°F

SCREEN TYPE

✓	Inflow screening:	None	25%	50%	75%	100%
✓	Overflow screening:	None	25%	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: ROPE, NET, WOOD, GRASS, AND TRASH.

STARBOARD SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species) ___
- Shark (any species) ___
- Horseshoe crab Ø
- Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: [illegible] **Observer firm** COASTWISE

Endangered Species Observer Program
LOAD DATA FORM

Project Name: FREEPORT ENTRANCE CHANNEL **USACE District:** GALVESTON

Dredge Name: m/v GLENN EDWARDS **Dredge Firm:** MANSON

Date 11 / 05 / 09 **LOAD #:** 49

Times (24hrs): Start 0327 End 0526 Dump 0540

Location, Lat/Long: N 28 54 .896 W 95 16 .488

Condition of screening : Port GOOD Starboard GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** VOSTA **Size of dragheads:** 14'
Draghead deflector? YES ✓ NO ___ **Condition of deflector:** GOOD

Type of material dredged: MUD & CLAY
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1-2' **Wave Height:** 1-2' ft

Wind (speed & direction): NE ~ 10 KTS **AIR TEMP:** 63°F °C/°F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.4 °C/°F **Column (mid-depth)** — °C/°F **Bottom** — °C/°F

SCREEN TYPE						
✓	Inflow screening:	None	25%	50%	75%	(100%)
✓	Overflow screening:	None	(25%)	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	(100%)

PORT SCREEN CONTENTS: WHELK SHELLS, PEN SHELLS, CRABS, WOOD, ROPE, NET, PVC, HAND TRASH.

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:
- Sturgeon (any species) ___
- Shark (any species) ___
- Horseshoe crab Ø
- Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: STEB Tan/3 **Observer firm** COASTWISE

Endangered Species Observer Program
LOAD DATA FORM

Project Name: FREEPORT ENTRANCE CHANNEL **USACE District:** GALVESTON

Dredge Name: M/V GLENN EDWARDS **Dredge Firm:** MANSON

Date 11/05/09 **LOAD #:** 50

Times (24hrs): Start 0636 End 0805 Dump 0821

Location, Lat/Long: N 28° 54.404 W 95° 16.038

Condition of screening : Port GOOD Starboard GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** VOSTA **Size of dragheads:** 14'
Draghead deflector? YES ✓ NO ___ **Condition of deflector:** GOOD

Type of material dredged: MUD & CLAY
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) ___ **Wave Height:** 1-2' ft

Wind (speed & direction): N ~ 10 KTS **AIR TEMP:** 69°F °C/°F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.4 68 °F **Column (mid-depth)** — °C/°F **Bottom** — °C/°F

SCREEN TYPE

		None	25%	50%	75%	100%
✓	Inflow screening:	None	~~25%~~	50%	75%	~~100%~~
✓	Overflow screening:	None	~~25%~~	50%	75%	100%
	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: 1- CATFISH, GASTROPOD SHELLS, EGG CASINGS, GRASS, WOOD, PLASTIC, METAL, AND TRASH

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species)	
Shark (any species)	
Horseshoe crab	Ø
Blue crab	

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: [illegible] **Observer firm** COASTWISE

Endangered Species Observer Program
LOAD DATA FORM

Project Name: FREEPORT ENTRANCE CHANNEL **USACE District:** GALVESTON

Dredge Name: M/V GLENN EDWARDS **Dredge Firm:** MANSON

Date 11 / 05 / 09 **LOAD #:** 57

Times (24hrs): Start 0850 End 1103 Dump 1115

Location, Lat/Long: N 28° 55.028 W 95° 16.613

Condition of screening : Port GOOD Starboard GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** VOSTM **Size of dragheads:** 14'
Draghead deflector? YES ✓ NO ___ **Condition of deflector:** GOOD

Type of material dredged: MUD & CLAY
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1-2' **Wave Height:** 1-2' ft

Wind (speed & direction): E ~ 10 KTS **AIR TEMP:** 70°F ~~°C/°F~~ (~~°F~~ = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.4 (C)°F **Column (mid-depth)** — °C/°F **Bottom** — °C/°F

SCREEN TYPE						
✓	Inflow screening:	None	25%	50%	75%	(100%)
✓	Overflow screening:	None	25%	50%	75%	(100%)
✓	Other screening:	None	25%	50%	75%	(100%)

PORT SCREEN CONTENTS: 2-COWNOSE RAYS, 1-CLEARNOSE SKATE, GASTROPOD & BIVALVE SHELLS

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab Ø
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: STEVE TAYLOR **Observer firm** COASTWISE

Endangered Species Observer Program
LOAD DATA FORM

Project Name: FREEPORT ENTRANCE CHANNEL **USACE District:** GALVESTON

Dredge Name: M/V GLENN EDWARDS **Dredge Firm:** MANSON CONSTRUCTION

Date 11 / 5 / 09 **LOAD #:** 52

Times (24hrs): Start ~~0000~~ 1137 End ~~0000~~ 1415 Dump ~~0~~ 1429

Location, Lat/Long: N 28° 55 .028 W 95° 16 .613

Condition of screening : Port GOOD Starboard GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** VOSTA **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** GOOD

Type of material dredged: MUD AND SOME CLAY
Weather conditions: MOSTLY CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 2-3 ft

Wind (speed & direction): E@ 9kts **AIR TEMP:** 71 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.4 °C/°F **Column (mid-depth)** — °C/°F **Bottom** — °C/°F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

PORT SCREEN CONTENTS: GRASS, TRASH, CLAY, CATFISH

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species) 0
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: DEBRI SIGNIFICANTLY REDUCED

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: N. SCHWALEN **Observer firm** COASTWISE

Endangered Species Observer Program
LOAD DATA FORM

Project Name: & FREEPORT ENTRANCE CHANNEL **USACE District:** GALVESTON

Dredge Name: M/V GLENN EDWARDS **Dredge Firm:** MANSON CONSTRUCTION

Date 11 / 5 / 09 **LOAD #:** 53

Times (24hrs): Start 1515 End 1810 Dump 1827

Location, Lat/Long: N 28° 55.028 W 95° 16.613

Condition of screening : Port 6000 Starboard 6000 Overflow 6000

Number of dragheads in use: 2 **Type of dragheads used:** VOSTA **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** 6000

Type of material dredged: MUD & SOME CLAY
Weather conditions: P. CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 2-3 ft

Wind (speed & direction): ENE @ 7 KTS **AIR TEMP:** 69 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.4 °C/°F **Column (mid-depth)** — °C/°F **Bottom** — °C/°F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

PORT SCREEN CONTENTS: WOOD, GRASS, TRASH

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species)	
Shark (any species)	
Horseshoe crab	0
Blue crab	

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: N/A

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: NATHAN SCHWALEN **Observer firm** COASTWISE

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 05 / 09 **LOAD #:** 54

Times (24hrs): Start 1856 End 2317 Dump _____

Location, Lat/Long: N 28° 55 .028 W 95° 16 .613

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ____ **Condition of deflector:** Good

Type of material dredged: MUD & CLAY
Weather conditions: P. CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) _____ **Wave Height:** 3-4 ft

Wind (speed & direction): ENE @ 8-10 KTS **AIR TEMP:** 63 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.4 °C F **Column (mid-depth)** ____ °C / °F **Bottom** ____ °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	(25%)	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: PEN SHELLS, WELK SHELLS, GRASS, MUD, ROPE, AND TRASH.
MIDDLE SCREEN CONTENTS:
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species) _____
- Shark (any species) _____
- Horseshoe crab Ø
- Blue crab _____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: _____

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: NATHAN SCHUALEN **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/06/09 **LOAD #:** 55

Times (24hrs): Start _____ End 0221 Dump 0233

Location, Lat/Long: N 28° 54.950 W 95° 16.530

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD & CLAY
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) _____ **Wave Height:** 2-3 ft

Wind (speed & direction): NE ~10 KTS **AIR TEMP:** 65° °C/(°F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.4 °(C)/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE						
✓	Inflow screening:	None	25%	50%	75%	~~100%~~
✓	Overflow screening:	None	~~25%~~	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: WHELK SHELL, GRASS, WOOD, AND TRASH.
MIDDLE SCREEN CONTENTS:
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species) _____
- Shark (any species) Ø
- Horseshoe crab _____
- Blue crab _____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: _____

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: [signature] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 06 / 09 **LOAD #:** 56

Times (24hrs): Start 0247 End 0544 Dump 0556

Location, Lat/Long: N 28° 54 . 584 W 95° 16 . 152

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD & CLAY
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) ___ **Wave Height:** 2-3' ft

Wind (speed & direction): N ~ 10 KTS **AIR TEMP:** 69°F °C (F) (°C = 9/5 (°F) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ (C) F **Column (mid-depth)** ___ °C / °F **Bottom** ___ °C / °F

SCREEN TYPE

✓ Inflow screening:	None	25%	50%	75%	(100%)
✓ Overflow screening:	None	~~25%~~	50%	75%	100%
✓ Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: ___

MIDDLE SCREEN CONTENTS: GRASS, WOOD & TRASH

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:

- Sturgeon (any species) ___
- Shark (any species) ___
- Horseshoe crab Ø
- Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: [illegible] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/06/09 **LOAD #:** 57

Times (24hrs): Start 0612 End 0834 Dump 0850

Location, Lat/Long: N 28° 54.931 W 95 16.509

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD & CLAY
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 2-3 ft

Wind (speed & direction): N ~ 10 KTS **AIR TEMP:** 70° °C/(°F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.4 (°C) °F Column (mid-depth) — °C/°F Bottom — °C/°F

SCREEN TYPE

√	Inflow screening:	None	25%	50%	75%	(100%)
√	Overflow screening:	None	(25%)	50%	75%	100%
√	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: 1- CROAKER, GASTROPOD & BIVALVE SHELLS, GRASS, WOOD, ROPE, NET, PLASTIC, METAL & TRASH
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species) Ø
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO √
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: [illegible] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/06/09 **LOAD #:** 58

Times (24hrs): Start 0941 End 1237 Dump 1247

Location, Lat/Long: N 28° 54.600 W 95° 16.267

Condition of screening : Forward Good Middle ~~Good~~ Aft ~~Good~~ Overflow ~~Good~~

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD & Clay
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 2-3 ft

Wind (speed & direction): ENE @ 10 KTS **AIR TEMP:** 71° F °C (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.4 (C) °F Column (mid-depth) — °C / °F Bottom — °C / °F

SCREEN TYPE

√	Inflow screening:	None	25%	50%	75%	~~100%~~
√	Overflow screening:	None	~~25%~~	50%	75%	100%
√	Other screening:	None	25%	50%	75%	~~100%~~

FORWARD SCREEN CONTENTS: >
MIDDLE SCREEN CONTENTS: >
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) Ø
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: NATHAN SCHWALEN **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 6 / 09 **LOAD #:** 59

Times (24hrs): Start 1311 End 1546 Dump 1558

Location, Lat/Long: N 28° 55 .109 W 95° 16 .690

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD & CLAY
Weather conditions: P. CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 2-3 ft

Wind (speed & direction): SE @ 7 kts **AIR TEMP:** 73 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.1 °C/°F **Column (mid-depth)** — °C/°F **Bottom** — °C/°F

SCREEN TYPE						
X	Inflow screening:	None	25%	50%	75%	(100%) *
X	Overflow screening:	(None)	(25%)	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: ___

MIDDLE SCREEN CONTENTS: GRASS, ROPE, CLAY, TRASH, CATFISH

AFT SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:

- Sturgeon (any species) ___
- Shark (any species) ___
- Horseshoe crab ___
- Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: BOX (FWD) PLUGGED COMPLETELY WITH CLAY DURING LOADING. BOX WAS INSPECTED THEN PUMPED CLEAR. DOORS WERE CLOSED AND DIGGING RESUMED

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: N. SCHWALEN **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/6/09 **LOAD #:** 60

Times (24hrs): Start 1713 End 1938 Dump 1953

Location, Lat/Long: N 28° 54 .895 W 95° 16 .471

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD & SOME CLAY
Weather conditions: P. CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) — **Wave Height:** — ft

Wind (speed & direction): SE @ 7 kts **AIR TEMP:** 70 °C/(F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.1 (C)/F Column (mid-depth) — °C/F Bottom — °C/F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: ___
MIDDLE SCREEN CONTENTS: GRASS, CLAY, TRASH
AFT SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:
Sturgeon (any species) 0
Shark (any species) 0
Horseshoe crab 0
Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: MINIMAL SCREEN CLOGGING. FORWARD BOX CLOGGED WITH CLAY

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: N. SCHWALEN **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11/6/09 LOAD #: 61

Times (24hrs): Start 2130 End 0631 Dump 0645

Location, Lat/Long: N 28° 54.895 W 95° 16.471

Condition of screening: Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD & SOME CLAY
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) — Wave Height: — ft

Wind (speed & direction): SSE @ 6-8 KTS AIR TEMP: 70 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.1 °C/°F Column (mid-depth) — °C/°F Bottom — °C/°F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	(25%)	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: 1- FLOUNDER, 2- CLEAR NOSE SKATES,
MIDDLE SCREEN CONTENTS: 1- BLUE CRAB, 1- SHRIMP, GASTROPOD & BIVALVE SHELLS, GRASS, WOOD, ROPE, NET, CLOTHING, AND TRASH.
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab ___
Blue crab 1

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: NATHAN SCHWALEN Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: FREEPORT ENTRANCE CHANNEL **USACE District:** GALVESTON

Dredge Name: M/V GLENN EDWARDS **Dredge Firm:** MANSON

Date 11 / 07 / 09 **LOAD #:** 62

Times (24hrs): Start 0125 End 0437 Dump 0458

Location, Lat/Long: N 28° 54 . 822 W 95 16 . 388

Condition of screening : Port GOOD Starboard GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** VORTA **Size of dragheads:** 14'
Draghead deflector? YES √ NO ___ **Condition of deflector:** GOOD

Type of material dredged: MUD & GRAY
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 2' ft

Wind (speed & direction): ESE 16 KTS **AIR TEMP:** 72° F °C/° F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.1 (C) F **Column (mid-depth)** ___ °C /°F **Bottom** ___ °C /°F

SCREEN TYPE

√	Inflow screening:	None	25%	50%	75%	~~100%~~
√	Overflow screening:	None	(25%)	50%	75%	100%
√	Other screening:	None	25%	50%	75%	~~100%~~

PORT SCREEN CONTENTS: 1- COWNOSE RAY, 1- CLEARNOSE SKATE, GASTROPOD & BIVALVE SHELLS, WOOD, GRASS, HARD TRASH

STARBOARD SCREEN CONTENTS: 1- COWNOSE RAY, 1- CLEARNOSE SKATE, GASTROPOD & BIVALVE SHELLS, WOOD, GRASS, HARD TRASH

Estimate number entrained on this load for the following:

Sturgeon (any species)	
Shark (any species)	
Horseshoe crab	Ø
Blue crab	

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO √
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: [illegible] **Observer firm** COASTWISE

Endangered Species Observer Program
LOAD DATA FORM

Project Name: FREEPORT ENTRANCE CHANNEL **USACE District:** GALVESTON

Dredge Name: M/V GLENN EDWARDS **Dredge Firm:** MANSON

Date 11 / 07 / 09 **LOAD #:** 63

Times (24hrs): Start 0537 End 1004 Dump 1024

Location, Lat/Long: N 28° 54.697 W 95° 16.342

Condition of screening : Port GOOD Starboard GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** VOSTA **Size of dragheads:** 14'
Draghead deflector? YES ✓ NO ___ **Condition of deflector:** GOOD

Type of material dredged: MUD & CLAY
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 2-3' ft

Wind (speed & direction): ESE @ 10 KTS **AIR TEMP:** 73°F °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F **Column (mid-depth)** — °C/°F **Bottom** — °C/°F

SCREEN TYPE						
✓	Inflow screening:	None	25%	50%	75%	(100%)
✓	Overflow screening:	None	(25%)	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	(100%)

PORT SCREEN CONTENTS: 1- FLOUNDER, GASTROPOD & BIVALVE SHELLS, SEA GRASS, WOOD, PLASTIC ROPE,

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

- Sturgeon (any species) Ø
- Shark (any species) Ø
- Horseshoe crab Ø
- Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: GUS FUSE **Observer firm** COASTWISE

Endangered Species Observer Program
LOAD DATA FORM

Project Name: FREEPORT ENTRANCE CHANNEL **USACE District:** GALVESTON

Dredge Name: M/V GLENN EDWARDS **Dredge Firm:** MANSON

Date 11/07/09 **LOAD #:** 64

Times (24hrs): Start 1056 End 1228 Dump 1244

Location, Lat/Long: N 28° 56.158 W 95° 17.790

Condition of screening : Port GOOD Starboard GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** VOSTA **Size of dragheads:** 14'
Draghead deflector? YES ✓ NO ___ **Condition of deflector:** GOOD

Type of material dredged: MUD & CLAY
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 2-3 ft

Wind (speed & direction): ENE ~ 10 KTS **AIR TEMP:** 75° °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.1 °C/°F **Column (mid-depth)** — °C/°F **Bottom** — °C/°F

SCREEN TYPE						
✓	Inflow screening:	None	25%	50%	75%	(100%)
✓	Overflow screening:	None	~~25%~~	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	(100%)

PORT SCREEN CONTENTS: WOOD, GRASS, TRASH

STARBOARD SCREEN CONTENTS: WOOD, GRASS, TRASH

Estimate number entrained on this load for the following:

Sturgeon (any species)	Ø
Shark (any species)	Ø
Horseshoe crab	Ø
Blue crab	Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: STATIONS 0+00 TO 60+00
MOVED INSIDE JETTIS.

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: N. SCHWALEN **Observer firm** COASTWISE

Endangered Species Observer Program
LOAD DATA FORM

Project Name: FREEPORT ENTRANCE CHANNEL **USACE District:** GALVESTON

Dredge Name: M/V GLENN EDWARDS **Dredge Firm:** MANSON CONSTRUCTION

Date 11 / 7 / 09 **LOAD #:** 65

Times (24hrs): Start 1320 End 1432 Dump 1458

Location, Lat/Long: N 28° 55.984 W95° 17.648

Condition of screening : Port GOOD Starboard GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** VOSTA **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** GOOD

Type of material dredged: MUD & SOME CLAY.
Weather conditions: P. CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) ~~EATE~~ 4 **Wave Height:** 2-3 ft

Wind (speed & direction): ENE @ 8 Kts **AIR TEMP:** 74 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.0 (°C)/°F **Column (mid-depth)** — °C/°F **Bottom** — °C/°F

SCREEN TYPE						
X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

PORT SCREEN CONTENTS: GRASS, TRASH, WOOD

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:
Sturgeon (any species) 0
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: N/A

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: NATHAN SCHWALEN **Observer firm** COASTWISE

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 7 / 09 LOAD #: 66

Times (24hrs): Start 1523 End 1750 Dump 1812

Location, Lat/Long: N 28° 55 . 984 W 95° 17 . 648

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD & SOME CLAY
Weather conditions: P. CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 4 Wave Height: 2-3 ft

Wind (speed & direction): ENE@ 7-9 KTS AIR TEMP: 70 °C (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.0 (C) °F Column (mid-depth) — °C / °F Bottom — °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: WOOD, NET, PLASTICS, ROPE, GRASS
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab
Blue crab
Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: N/A

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: NATHAN SCHWALEN Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 7 / 09 LOAD #: 67

Times (24hrs): Start 1845 End 1952 Dump 2019

Location, Lat/Long: N 28° 55 . 984 w 95° 17 . 648

Condition of screening : Forward 6000 Middle 6000 Aft 6000 Overflow 6000

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD / SOME CLAY
Weather conditions: P. CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 4 Wave Height: 2-3 ft

Wind (speed & direction): ENE @ 10 KTS AIR TEMP: 71 °C (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.0 (C) °F Column (mid-depth) — °C / °F Bottom — °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None	25%)	50%	75%	~~100%~~
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: ∅
MIDDLE SCREEN CONTENTS: GRASS, NET, WOOD, TRASH, FLOUNDER,
AFT SCREEN CONTENTS: ∅

Estimate number entrained on this load for the following:
Sturgeon (any species) ∅
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: N/A

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: NATHAN SCHWALEN Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 7 / 09 LOAD #: 68

Times (24hrs): Start 2044 End 2152 Dump 2219

Location, Lat/Long: N 28° 55 .984 W 95° 17 .648

Condition of screening : Forward 6000 Middle 6000 Aft 6000 Overflow 6000

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD & SOME CLAY
Weather conditions: P. CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 4 Wave Height: 2-3 ft

Wind (speed & direction): ENE @ 6-8 KTS AIR TEMP: 71 °C / (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.0 (C) / °F Column (mid-depth) — °C / °F Bottom — °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: WOOD, GRASS, TRASH
AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
Sturgeon (any species) 0
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: MINIMAL DEBRIS

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: NATHAN SCHWALEN Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 7 / 09 LOAD #: 69

Times (24hrs): Start 2238 End _____ Dump 0006

Location, Lat/Long: N 28° 55 .984 W 95° 17 .648

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD / SOME CLAY
Weather conditions: P. CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) — Wave Height: — ft

Wind (speed & direction): E @ 6 KTS AIR TEMP: 71 °C (F) F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.0 (C) F Column (mid-depth) — °C / °F Bottom — °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: ∅
MIDDLE SCREEN CONTENTS: GRASS, WOOD & TRASH.
AFT SCREEN CONTENTS: ∅

Estimate number entrained on this load for the following:
Sturgeon (any species) ∅
Shark (any species) ∅
Horseshoe crab ∅
Blue crab ∅

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ∅

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's Name: [illegible] Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 08 / 09 **LOAD #:** 70

Times (24hrs): Start 0028 End 0142 Dump 0201

Location, Lat/Long: N 28° ____.____ W 95 ____.____

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ____ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 **Wave Height:** 1' ft

Wind (speed & direction): E 5-10 KTS **AIR TEMP:** 69° F "C / "F = 9/5 ("C) + 32; "C = 5/9 ("F - 32))

WATER TEMP: Surface 21.0 °C / F Column (mid-depth) — "C / "F Bottom ____ "C / "F

SCREEN TYPE

✓	Inflow screening:	None	25%	50%	75%	100%
✓	Overflow screening:	None	25%	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: GRASS, WOOD, ROPE & TRASH.
MIDDLE SCREEN CONTENTS:
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) ____
Shark (any species) ____
Horseshoe crab Ø
Blue crab ____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Eric Fuqua **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 08 / 09 LOAD #: 71

Times (24hrs): Start 0222 End 0334 Dump 0353

Location, Lat/Long: N 28 56 .232 W 95° 17 .925

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 Wave Height: 1' ft

Wind (speed & direction): E 10-15 KTS AIR TEMP: 70° °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.0 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

V	Inflow screening:	None	25%	50%	75%	100%
V	Overflow screening:	None	25%	50%	75%	100%
V	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: GRASS, WOOD & TRASH
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab Ø
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO V
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: [signature] Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 08 / 09 **LOAD #:** 72

Times (24hrs): Start 0415 End 0529 Dump 0551

Location, Lat/Long: N 28° 55 . 657 W 95 17 . 300

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: Cloudy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) **Wave Height:** 1' ft

Wind (speed & direction): ESE @ 15 KTS **AIR TEMP:** 70 °C (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.0 °C F **Column (mid-depth)** — °C / °F **Bottom** — °C / °F

SCREEN TYPE

✓ Inflow screening:	None	25%	50%	75%	100%
✓ Overflow screening:	None	25%	50%	75%	100%
✓ Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: GRASS, Rope, WOOD & TRASH
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Eric Fraze **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11/08/09 LOAD #: 73

Times (24hrs): Start _____ End 0723 Dump 0743

Location, Lat/Long: N 28° 56.242 W 95° 17.887

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 Wave Height: 1-2' ft INSIDE SEAS

Wind (speed & direction): E ~ 15 KTS AIR TEMP: 71 °C (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.0 (C) °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

✓	Inflow screening:	None	25%	50%	75%	100%
✓	Overflow screening:	None	(25%)	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: ∅
MIDDLE SCREEN CONTENTS: GRASS, WOOD & TRASH.
AFT SCREEN CONTENTS: ∅

Estimate number entrained on this load for the following:
Sturgeon (any species) ∅
Shark (any species) ∅
Horseshoe crab ∅
Blue crab ∅

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ∅

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's Name: [signature] Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/08/09 **LOAD #:** 74

Times (24hrs): Start 0809 End 0919 Dump 0938

Location, Lat/Long: N 28° 56 . 123 W 95° 17 . 749

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 1-2' ft

Wind (speed & direction): E ~15 KTS **AIR TEMP:** 71° °C (F) = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.0 (C) °F Column (mid-depth) — °C / °F Bottom — °C / °F

SCREEN TYPE

✓	Inflow screening:	None	25%	50%	75%	(100%)
✓	Overflow screening:	None	(25%)	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: }
MIDDLE SCREEN CONTENTS: } GRASS, WOOD & TRASH
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab Ø
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: Chris Frye **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 08 / 09 LOAD #: 75

Times (24hrs): Start 1004 End 1116 Dump _____

Location, Lat/Long: N 28° 56.337 W 95° 17.978

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: Cloudy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2-3 Wave Height: 2-3 ft IN SETTING

Wind (speed & direction): E 10-15 KTS AIR TEMP: 72° °C / (°F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.0 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

√	Inflow screening:	None	25%	50%	75%	100%
√	Overflow screening:	None	25%	50%	75%	100%
√	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: _____
MIDDLE SCREEN CONTENTS: CLOWNOSE RAY, BLACK DRUM, GRASS, TRASH
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) Ø
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: N/A

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: ERIK Tryon Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: FREEPORT ENTRANCE CHANNEL **USACE District:** GALVESTON

Dredge Name: M/V GLENN EDWARDS **Dredge Firm:** MANSON CONSTRUCTION

Date 11 / 8 / 09 **LOAD #:** 76

Times (24hrs): Start 1219 End 1333 Dump 1354

Location, Lat/Long: N 28° 56.337 W 95° 17.978

Condition of screening : Port GOOD Starboard GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** VOSTA **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** GOOD

Type of material dredged: MUD
Weather conditions: CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) _____ **Wave Height:** _____ ft

Wind (speed & direction): _____ **AIR TEMP:** _____ °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface _____ °C/°F Column (mid-depth) _____ °C/°F Bottom _____ °C/°F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	(25%)	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

PORT SCREEN CONTENTS: MINIMAL DEBRIS (NET, PLASTIC)

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: N/A

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: NATHAN SCHWALEN **Observer firm** COASTWISE

Endangered Species Observer Program
LOAD DATA FORM

Project Name: FREEPORT ENTRANCE CHANNEL USACE District: GALVESTON

Dredge Name: M/V GLENN EDWARDS Dredge Firm: MANSON CONSTRUCTION

Date 11 / 8 / 09 LOAD #: 77

Times (24hrs): Start 1415 End 1521 Dump 1540

Location, Lat/Long: N 28° 56 .337 W 95° 17 .978

Condition of screening : Port GOOD Starboard GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: VOSTA Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: GOOD

Type of material dredged: MUD
Weather conditions: CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) _____ Wave Height: _____ ft

Wind (speed & direction): _____ AIR TEMP: _____ °C/°F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface _____ °C/°F Column (mid-depth) _____ °C/°F Bottom _____ °C/°F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

PORT SCREEN CONTENTS: MINIMAL DEBRIS

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:
Sturgeon (any species) 0
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: N/A

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's Name: NATHAN SCHWALEN Observer firm COASTWISE

Endangered Species Observer Program
LOAD DATA FORM

Project Name: FREEPORT ENTRANCE CHANNEL **USACE District:** GALVESTON

Dredge Name: M/V GLENN EDWARDS **Dredge Firm:** MANSON CONSTRUCTION

Date 11 / 8 / 09 **LOAD #:** 78

Times (24hrs): Start 1600 End 1717 Dump _____

Location, Lat/Long: N 28° 56.337 W 95° 17.978

Condition of screening : Port GOOD Starboard GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** VOSTA **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** GOOD

Type of material dredged: MUD
Weather conditions: CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) _____ **Wave Height:** _____ ft

Wind (speed & direction): _____ **AIR TEMP:** _____ °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface _____ °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE						
X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

PORT SCREEN CONTENTS: MINIMAL DEBRIS

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:
- Sturgeon (any species) 0
- Shark (any species)
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: NATHAN SCHUALEN **Observer firm** COASTWISE

Endangered Species Observer Program
LOAD DATA FORM

Project Name: FREEPORT ENTRANCE CHANNEL **USACE District:** GALVESTON

Dredge Name: M/V GLENN EDWARDS **Dredge Firm:** MANSON CONSTRUCTION

Date 11 / 8 / 09 **LOAD #:** 79

Times (24hrs): Start 1803 End 1910 Dump 1936

Location, Lat/Long: N 28° 56 .337 W 95° 17 .978

Condition of screening : Port GOOD Starboard GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** VOSTA **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** GOOD

Type of material dredged: MUD
Weather conditions: CLOUDY / RAIN

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) — **Wave Height:** — ft

Wind (speed & direction): _____ **AIR TEMP:** _____ °C/°F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface _____ °C/°F **Column (mid-depth)** — °C/°F **Bottom** — °C/°F

SCREEN TYPE		None	25%	50%	75%	100%
X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

PORT SCREEN CONTENTS: MINIMAL DEBRIS

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:
Sturgeon (any species) 0
Shark (any species) 0
Horseshoe crab 0
Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: DREDGE HOLDING TO AFTER LOAD #79 DUE TO SEA CONDITIONS

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: NATHAN SCHUALEN **Observer firm** COASTWISE

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 9 / 09 LOAD #: 80

Times (24hrs): Start 1833 End 1906 Dump 1928

Location, Lat/Long: N 28° 55.794 W 95° 17.460

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: P. CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) NE @ 5kts Wave Height: — ft

Wind (speed & direction): NE @ 11 kts AIR TEMP: 69 °C (F) F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.2 (C) °F Column (mid-depth) — °C / °F Bottom — °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS:

MIDDLE SCREEN CONTENTS: MINIMAL DEBRIS

AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
Sturgeon (any species) 0
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: RESUMED DREDGING AFTER REPAIR/MAINTENANCE/WEATHER DELAY.

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's Name: NATHAN SCHUALEN Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 9 / 09 LOAD #: 81

Times (24hrs): Start 1956 End 2106 Dump 2126

Location, Lat/Long: N 28° 55 .794 W 95° 17 460

Condition of screening : Forward 6000 Middle 6000 Aft 6000 Overflow 6000

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: P. CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) — Wave Height: — ft

Wind (speed & direction): NNE @ 6-8 kts AIR TEMP: 70 °C (F°) = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.2 °F Column (mid-depth) — °C / °F Bottom — °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	(25%)	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS:

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species)
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: N/A

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: NATHAN SCHWALEN Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 9 / 09 LOAD #: 82

Times (24hrs): Start 2156 End 2256 Dump 2317

Location, Lat/Long: N 28° 55 .794 W 95° 17 .460

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: P. CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) — Wave Height: — ft

Wind (speed & direction): NNE@ 8kts AIR TEMP: 69 °C (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.2 @ °C/°F Column (mid-depth) — °C/°F Bottom — °C/°F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: MINIMAL DEBRIS
AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: N/A

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's Name: NATHAN SCHWALEN Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 10 / 09 **LOAD #:** 83

Times (24hrs): Start _____ End 0100 Dump 0123

Location, Lat/Long: N 28° 56.280 W 95° 17.931

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 1-2' ft

Wind (speed & direction): NE ~ 10 KTS **AIR TEMP:** 62 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.2 (C) °F Column (mid-depth) — °C / °F Bottom — °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	(25%)	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: _____

MIDDLE SCREEN CONTENTS: GRASS, WOOD, SAND TRASH

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:

Sturgeon (any species) _____
Shark (any species) _____
Horseshoe crab Ø
Blue crab _____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: _____

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: [signature] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 10 / 69 LOAD #: 84

Times (24hrs): Start 0146 End 0300 Dump 0325

Location, Lat/Long: N 28° 56 . 261 W 95° 17 . 931

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 Wave Height: 1-2 ft

Wind (speed & direction): N ~ 10-15 AIR TEMP: 62 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.20 °C / F Column (mid-depth) — °C / F Bottom — °C / F

SCREEN TYPE

V	Inflow screening:	None	25%	50%	75%	(100%)
V	Overflow screening:	None	(25%)	50%	75%	100%
V	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: ___

MIDDLE SCREEN CONTENTS: TIRES, GRASS, WOOD, ROPE, AND TRASH.

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab Ø
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's Name: [signature] Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/10/09 **LOAD #:** 85

Times (24hrs): Start 0348 End 0501 Dump 0524

Location, Lat/Long: N 28° 56 .304 W 95° 17 .973

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 1-2' ft

Wind (speed & direction): N ~10 KTS **AIR TEMP:** 62. °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.2 °C / °F Column (mid-depth) ✓ °C / °F Bottom ✓ °C / °F

SCREEN TYPE

✓	Inflow screening:	None	25%	50%	75%	100%
✓	Overflow screening:	None	25%	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: ___

MIDDLE SCREEN CONTENTS: WOOD, PLASTIC, ROPE, CLOTHING, GRASS & TRASH

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species) ___
- Shark (any species) ___
- Horseshoe crab Ø
- Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: [illegible] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11/10/09 LOAD #: 86

Times (24hrs): Start 0546 End 0702 Dump ~~86~~ 0723

Location, Lat/Long: N 28° 56.486 W 95° 18.152

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 Wave Height: 1-2 ft

Wind (speed & direction): N ~ 10 KTS AIR TEMP: 62 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.2 (0) °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

V	Inflow screening:	None	25%	50%	75%	100%
V	Overflow screening:	None	25%	50%	75%	100%
V	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: ___

MIDDLE SCREEN CONTENTS: TREES, WOOD, GRASS, NET, ROPE, TRASH.

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab Ø
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO V
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: Eric Troyer Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 10 / 09 **LOAD #:** 87

Times (24hrs): Start 0749 End 0907 Dump _____

Location, Lat/Long: N 28° 55 .999 W 95° 17 .625

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY – MOSTLY CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 **Wave Height:** 1 ft in JETTIES

Wind (speed & direction): N N 10 KTS **AIR TEMP:** 68° °C (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.2 (C) °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

√ Inflow screening:	None	25%	50%	75%	(100%)
√ Overflow screening:	None	(25%)	50%	75%	100%
√ Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: ___

MIDDLE SCREEN CONTENTS: WOOD, NET, ROPE, GRASS, AND TRASH.

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:

Sturgeon (any species) ___
Shark (any species) Ø
Horseshoe crab ___
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO √
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: [illegible] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 10 / 09 **LOAD #:** 88

Times (24hrs): Start 0952 End 1128 Dump 1152

Location, Lat/Long: N 28° 55 .945 W 95° 17 .564

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 **Wave Height:** 1' ft

Wind (speed & direction): N ~ 10 KTS **AIR TEMP:** 70° °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.2 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

√ Inflow screening:	None	25%	50%	75%	(100%)
√ Overflow screening:	None	(25%)	50%	75%	100%
√ Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: 1 - COWNOSE RAY, WOOD, GRASS, MEAT, FISHING LINE, PLASTIC, ROCK, METAL, CLOTHING, AND TRASH.
MIDDLE SCREEN CONTENTS: ∅
AFT SCREEN CONTENTS: ∅

Estimate number entrained on this load for the following:
Sturgeon (any species) ∅
Shark (any species) ∅
Horseshoe crab ∅
Blue crab ∅

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO √
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: ERIK TRIPP **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 10 / 09 LOAD #: 89

Times (24hrs): Start 1238 End 1348 Dump 1414

Location, Lat/Long: N 28° 56 . 112 W 95° 17 . 789

Condition of screening : Forward 6000 Middle 6000 Aft 6000 Overflow 6000

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: P. CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 Wave Height: 2-3 ft

Wind (speed & direction): NNE @ 10 kts. AIR TEMP: 77 °C (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.3 (C) °F Column (mid-depth) — °C / °F Bottom — °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	(25%)	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: MINIMAL DEBRIS
AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
Sturgeon (any species) Ø
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: N/A

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's Name: NATHAN SCHUALEN Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: FREEPORT ENTRANCE CHANNEL USACE District: GALVESTON

Dredge Name: M/V GLENN EDWARDS Dredge Firm: MANSON CONSTRUCTION

Date 11 / 10 / 09 LOAD #: 90

Times (24hrs): Start 1453 End 1609 Dump 1631

Location, Lat/Long: N 28° 56.112 W 95° 17.789

Condition of screening : Port GOOD Starboard GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: VOSTA Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: GOOD

Type of material dredged: MUD
Weather conditions: P. CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 Wave Height: 2-3 ~~feet~~ ft

Wind (speed & direction): NW 8-10 kts AIR TEMP: 77 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.6 °C/°F Column (mid-depth) — °C/°F Bottom — °C/°F

SCREEN TYPE						
X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

PORT SCREEN CONTENTS: MINIMAL DEBRIS

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: N/A

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's Name: NATHAN SCHWALEN Observer firm COASTWISE

Endangered Species Observer Program
LOAD DATA FORM

Project Name: FREEPORT ENTRANCE CHANNEL USACE District: GALVESTON

Dredge Name: M/V GLENN EDWARDS Dredge Firm: MANSON CONSTRUCTION

Date 11 / 10 / 09 LOAD #: 91

Times (24hrs): Start 1657 End 1811 Dump 1832

Location, Lat/Long: N 28° 56 .112 W 95° 17 .789

Condition of screening : Port GOOD Starboard GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: VOSTA Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: GOOD

Type of material dredged: MUD
Weather conditions: P. CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 Wave Height: 2 – 3 SWELLS ft

Wind (speed & direction): NW 3-4 kts AIR TEMP: 72 (°C) (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.6 (°C)/°F Column (mid-depth) – °C/°F Bottom – °C/°F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

PORT SCREEN CONTENTS: MINIMAL TRASH

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:
Sturgeon (any species) 0
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: N/A

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's Name: NATHAN SCHUALEN Observer firm COASTWISE

Endangered Species Observer Program
LOAD DATA FORM

Project Name: FREEPORT ENTRANCE CHANNEL **USACE District:** GALVESTON

Dredge Name: M/V GLENN EDWARDS **Dredge Firm:** MANSON CONSTRUCTION

Date 11 / 10 / 09 **LOAD #:** 92

Times (24hrs): Start 1901 End 2043 Dump 2107

Location, Lat/Long: N 28° 56 .112 W 95° 17 .789

Condition of screening : Port GOOD Starboard GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** VOSTA **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** GOOD

Type of material dredged: MUD
Weather conditions: P. CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) ~ 2 **Wave Height:** 2-3 (SWELL) ft

Wind (speed & direction): NW 2-4 kts. **AIR TEMP:** 67 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.6 (°C)/°F **Column (mid-depth)** — °C/°F **Bottom** — °C/°F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

PORT SCREEN CONTENTS: JUVENILE GREEN SEA TURTLE.

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) X
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES X NO ___

SPECIES OF TURTLE TAKE: Unknown Loggerhead (Green) Kemp's ridley Hawksbill Leatherback

Comments: GREEN SEA TURTLE FOUND IN FORWARD INFLOW CHUTE
SEE ATTACHED INCIDENTAL TAKE FORM FOR DETAILS

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: NATHAN SCHWALEN **Observer firm** COASTWISE CONSULTING

Endangered Species Observer Program
LOAD DATA FORM

Project Name: FREEPORT ENTRANCE CHANNEL USACE District: GALVESTON

Dredge Name: M/V GLENN EDWARDS Dredge Firm: MANSON CONSTRUCTION

Date 11 / 10 / 09 LOAD #: 93

Times (24hrs): Start 2213 End 0006 Dump 0028

Location, Lat/Long: N 28° 56 .112 W 95° 17 .789

Condition of screening : Port 6000 Starboard 6000 Overflow 6000

Number of dragheads in use: 2 Type of dragheads used: VOSTA Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: 6000

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) — Wave Height: — ft

Wind (speed & direction): NW 4 kts. AIR TEMP: 67 °C/(°F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.6 (°C)/°F Column (mid-depth) — °C/°F Bottom — °C/°F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

PORT SCREEN CONTENTS: WOOD, ROPE, GRASS, PLASTIC, AND TRASH.

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab 0
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's Name: ERIC FENFE Observer firm COASTWISE

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/11/09 **LOAD #:** 94

Times (24hrs): Start 0049 End 0209 Dump 0230

Location, Lat/Long: N 28° 55 . ___ W 95° 17 . ___

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1-2 **Wave Height:** 1' ft

Wind (speed & direction): N 5-10 KTS **AIR TEMP:** 63 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.6 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

V	Inflow screening:	None	25%	50%	75%	100%
V	Overflow screening:	None	25%	50%	75%	100%
V	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: ___
MIDDLE SCREEN CONTENTS: 1 - COWANOSE RAY, GRASS, WOOD, ROPE, CLOTHING, AND TRASH
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species) ___
- Shark (any species) ___
- Horseshoe crab Ø
- Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Rob Fraze **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 11 / 09 **LOAD #:** 95

Times (24hrs): Start 0250 End 0426 Dump 0440

Location, Lat/Long: N 28° 55 . 926 W 95° 17 . 610

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1-2 **Wave Height:** 1' ft

Wind (speed & direction): N 5-10 KTS **AIR TEMP:** 63 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.6 °C / °F **Column (mid-depth)** ___ °C / °F **Bottom** ___ °C / °F

SCREEN TYPE

√	Inflow screening:	None	25%	50%	75%	100%
√	Overflow screening:	None	25%	50%	75%	100%
√	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: WOOD, CLOTHING, ROPE, GRASS, HAND TRASH.

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab Ø
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO √
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: [signature] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 11 / 09 **LOAD #:** 96

Times (24hrs): Start 0506 End 0555 Dump 0622

Location, Lat/Long: N 28° 56.036 W 95° 17.680

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1-2 **Wave Height:** 1' ft

Wind (speed & direction): N 5-10 **AIR TEMP:** 63 °C / (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.60 °C / °F Column (mid-depth) — °C / °F Bottom — °C / °F

SCREEN TYPE						
✓	Inflow screening:	None	25%	50%	75%	(100%)
✓	Overflow screening:	None	~~25%~~	50%	75%	(100%)
✓	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: GRASS, WOOD, ROPE & TRASH.
MIDDLE SCREEN CONTENTS:
AFT SCREEN CONTENTS: 16

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab Ø
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: Kris Frye **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 11 / 09 **LOAD #:** 97

Times (24hrs): Start 0645 End 0755 Dump 0818

Location, Lat/Long: N 28° 56 . 233 W 95° 17 . 862

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1-2 **Wave Height:** 1' ft

Wind (speed & direction): N ~10 KTS **AIR TEMP:** 61 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.6 (C)/F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

✓	Inflow screening:	None	25%	50%	75%	100%
✓	Overflow screening:	None	25%	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: GRASS, ROPE & TRASH
MIDDLE SCREEN CONTENTS:
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab Ø
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: [illegible] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11/11/09 LOAD #: 98

Times (24hrs): Start 0844 End 0945 Dump 1009

Location, Lat/Long: N 28° 56.223 W 95° 17.920

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: HAZY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 Wave Height: 1' ft

Wind (speed & direction): N ~10 KTS AIR TEMP: 66° "C (F) = 9/5 ("C) + 32; "C = 5/9 ("F - 32))

WATER TEMP: Surface 21.6 "C/"F Column (mid-depth) — "C/"F Bottom — "C/"F

SCREEN TYPE

V	Inflow screening:	None	25%	50%	75%	100%
V	Overflow screening:	None	~~25%~~	50%	75%	100%
V	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: ___

MIDDLE SCREEN CONTENTS: GRASS, WOOD, LAND TRASH.

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab Ø
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: [signature] Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/11/09 **LOAD #:** 99

Times (24hrs): Start 1036 End 1131 Dump 1152

Location, Lat/Long: N 28° 56.311 W 95° 17.967

Condition of screening : Forward ~~HOOD~~ Middle ~~HOOD~~ Aft ~~HOOD~~ Overflow ~~HOOD~~

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 **Wave Height:** 1 ft

Wind (speed & direction): NNE 5-10 **AIR TEMP:** 77° "C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ "C/F Column (mid-depth) — "C/"F Bottom ___ "C/"F

SCREEN TYPE

V	Inflow screening:	None	25%	50%	75%	~~100%~~
V	Overflow screening:	None	~~25%~~	50%	75%	100%
V	Other screening:	None	25%	50%	75%	~~100%~~

FORWARD SCREEN CONTENTS: MINIMAL DEBRIS
MIDDLE SCREEN CONTENTS:
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) Ø
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: N/A

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: NATHAN SCHWALEN **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 11 / 09 LOAD #: 100

Times (24hrs): Start 1211 End 1322 Dump 1142

Location, Lat/Long: N 28° 56 .065 W 95° 17 .693

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: P. CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 Wave Height: 0-1 ft

Wind (speed & direction): LIGHT AIRS AIR TEMP: 72 °C / (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.5 @ °C / °F Column (mid-depth) — °C / °F Bottom — °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: MINIMAL DEBRIS, SOME CLAY
AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: N/A

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's Name: NATHAN SCHWALEN Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 11 / 09 **LOAD #:** 101

Times (24hrs): Start 1401 End 1549 Dump 1609

Location, Lat/Long: N 28° 56 .065 W 95° 17 .693

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: P. CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 0-1 ft

Wind (speed & direction): NNE @ 6 KTS **AIR TEMP:** 74 °C/(°F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.8 (°C)/°F Column (mid-depth) — °C/°F Bottom — °C/°F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: MINIMAL DEBRIS
AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: N/A

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: NATHAN SCHWALEN **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 11 / 09 LOAD #: 102

Times (24hrs): Start 1656 End 1756 Dump 1817

Location, Lat/Long: N 28° 56 .065 W 95° 17 .693

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: P. CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 Wave Height: 0-1 ft

Wind (speed & direction): LIGHT AIRS AIR TEMP: 71 °C / (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.8 (C) / F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: MINIMAL DEBRIS
MIDDLE SCREEN CONTENTS: "
AFT SCREEN CONTENTS: "

Estimate number entrained on this load for the following:
Sturgeon (any species) 0
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: N/A

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's Name: NATHAN SCHWALEN Observer firm: Coastwise Consulting Inc.

2047

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 11 / 09 **LOAD #:** 103

Times (24hrs): Start 1837 End 2000 Dump 2021

Location, Lat/Long: N 28° 56 . 065 W 95° 17 . 693

Condition of screening : Forward 6000 Middle 6000 Aft 6000 Overflow 6000

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: P. CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 **Wave Height:** 0-1 ft

Wind (speed & direction): NNE @ 2-4 kts **AIR TEMP:** 67 °C / (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.8 °C / °F **Column (mid-depth)** — °C / °F **Bottom** — °C / °F

SCREEN TYPE						
X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: MINIMAL TRASH (FISHING GEAR, PLASTICS
AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
Sturgeon (any species) 0
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: N/A

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: NATHAN SCHWALEN **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 11 / 09 LOAD #: 104

Times (24hrs): Start 2047 End 2212 Dump 2232

Location, Lat/Long: N 28° 56 . 065 W 95° 17 . 693

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: P. CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 Wave Height: 0-1 ft

Wind (speed & direction): NE @ 4 kts AIR TEMP: 65 °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.8 °F Column (mid-depth) — °C / °F Bottom — °C / °F

SCREEN TYPE

X Inflow screening:	None	25%	50%	75%	(100%)
X Overflow screening:	(None)	(25%)	50%	75%	100%
X Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: MINIMAL DEBRIS, WOOD, AND SOME CLAY
AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: N/A

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: NATHAN SCHWALEN Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 11 / 09 **LOAD #:** 105

Times (24hrs): Start 2255 End 0048 Dump 0109

Location, Lat/Long: N 28° 55 . 850 W 95° 17 . 530

Condition of screening : Forward 6000 Middle 6000 Aft 6000 Overflow 6000

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: P. CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 0-1 ft

Wind (speed & direction): NE @ 3-4 KTS **AIR TEMP:** 65 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.8 °C/°F Column (mid-depth) — °C/°F Bottom — °C/°F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	(None)	(25%)	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: >

MIDDLE SCREEN CONTENTS: GRASS & TRASH

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab Ø
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: Eric Fonfa **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 12 / 09 **LOAD #:** 106

Times (24hrs): Start 0130 End 0258 Dump 0319

Location, Lat/Long: N 28° 55.816 W 95° 17.497

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 **Wave Height:** 1' ft

Wind (speed & direction): N ~10 KTS **AIR TEMP:** 60 °C (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.80 °F Column (mid-depth) — °C / °F Bottom — °C / °F

SCREEN TYPE

√ Inflow screening:	None	25%	50%	75%	(100%)
√ Overflow screening:	None	(25%)	50%	75%	100%
√ Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: ___

MIDDLE SCREEN CONTENTS: GRASS & TRASH

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species) ___
- Shark (any species) ___
- Horseshoe crab Ø
- Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO √
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: Kris Frye **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 12 / 09 **LOAD #:** 107

Times (24hrs): Start 0339 End 0455 Dump 0514

Location, Lat/Long: N 28° 56.064 W 95° 17.725

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 **Wave Height:** 1' ft

Wind (speed & direction): N ~10 KTS **AIR TEMP:** 60 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.8 °C/°F Column (mid-depth) — °C/°F Bottom — °C/°F

SCREEN TYPE

√	Inflow screening:	None	25%	50%	75%	(100%)
√	Overflow screening:	None	(25%)	50%	75%	100%
√	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: GRASS, WOOD & TRASH
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab Ø
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO √
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: ERIK Finke **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 12 / 09 LOAD #: 108

Times (24hrs): Start 0536 End 0627 Dump _____

Location, Lat/Long: N 28° 56.102 W 95° 17.742

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1-2 Wave Height: 1-2 ft

Wind (speed & direction): N 10-15 AIR TEMP: 58 °C (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.8 °C °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

√	Inflow screening:	None	25%	50%	75%	(100%)
√	Overflow screening:	None	(25%)	50%	75%	100%
√	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: ___

MIDDLE SCREEN CONTENTS: WOOD, ROPE, PLASTIC & TRASH

AFT SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) Ø
Horseshoe crab ___
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO √
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's Name: [signature] Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 12 / 09 **LOAD #:** 109

Times (24hrs): Start 0727 End 0811 Dump 0911

Location, Lat/Long: N 28° 56 . 333 W 95° 17 . 959

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1-2 **Wave Height:** 1 ft

Wind (speed & direction): N ~10-15 KTS **AIR TEMP:** 59 °C / (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.8 (C) / F Column (mid-depth) — °C / F Bottom — °C / F

SCREEN TYPE

✓	Inflow screening:	None	25%	50%	75%	(100%)
✓	Overflow screening:	None	(25%)	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: 1-SHARK, GRASS, WOOD, ROPE, NET, AND TRASH.
MIDDLE SCREEN CONTENTS:
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: JEFF FOX **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 12 / 09 LOAD #: 110

Times (24hrs): Start 0939 End 1051 Dump 1115

Location, Lat/Long: N 28° 55.965 W 95° 17.635

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) Wave Height: 1' ft

Wind (speed & direction): N ~ 10-15 AIR TEMP: 70 °C / (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.8 (C) / F Column (mid-depth) — °C / °F Bottom — °C / °F

SCREEN TYPE

✓	Inflow screening:	None	25%	50%	75%	(100%)
✓	Overflow screening:	None	(25%)	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS:
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's Name: Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 12 / 09 **LOAD #:** 111

Times (24hrs): Start 1140 End 1337 Dump 1401

Location, Lat/Long: N 28 56 .330 W 95 17 .960

Condition of screening : Forward good Middle good Aft good Overflow N/A

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: Mud, silt
Weather conditions: clear but Hazy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 1 - 2 ft

Wind (speed & direction): ENE 5-10 **AIR TEMP** (89.3F) "C / "F ("F = 9/5 ("C) + 32; "C = 5/9 ("F - 32))

WATER TEMP: Surface ___ "C / "F Column (mid-depth) — "C / "F Bottom — "C / "F

SCREEN TYPE X

Inflow screening:	None	25%	50%	75%	(100%)
Overflow screening:	(None)	25%	50%	75%	100%
Other screening:	(None)	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: Catfish, Redfish, (3) Stingrays, rope, chain, cable, mise Trash

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species)	0
Shark (any species)	
Horseshoe crab	
Blue crab	

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:
DISPOSED OF C. MYDAS TAKEN ON LOAD #92 AT DUMPSITE.

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: Terrance Todd **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 12 / 09 **LOAD #:** 112

Times (24hrs): Start 1429 End 1542 Dump 1602

Location, Lat/Long: N 28° 56.236 W 95° 17.909

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 **Wave Height:** 1 ft

Wind (speed & direction): ESE 5-10KTS **AIR TEMP:** 87 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

✓ Inflow screening:	None	25%	50%	75%	100%
✓ Overflow screening:	None	25%	50%	75%	100%
✓ Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: GRASS, ROPE, WOOD & TRASH
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab Ø
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: [signature] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 12 / 09 **LOAD #:** 113

Times (24hrs): Start 1622 End 1733 Dump 1754

Location, Lat/Long: N 28° 56.095 W 95° 17.720

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 **Wave Height:** 1 ft

Wind (speed & direction): E ~ 5-10 KTS **AIR TEMP:** 79 °C / (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.0 (C) / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

		None	25%	50%	75%	100%
V	Inflow screening:	None	25%	50%	75%	(100%)
V	Overflow screening:	None	(25%)	50%	75%	100%
V	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: /

MIDDLE SCREEN CONTENTS: / GRASS, WOOD & TRASH

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:

- Sturgeon (any species) ___
- Shark (any species) ___
- Horseshoe crab Ø
- Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: [signature] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 12 / 09 LOAD #: 114

Times (24hrs): Start 1815 End 1959 Dump 2019

Location, Lat/Long: N 28° 56.147 W 95 17.828

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 Wave Height: 1 ft

Wind (speed & direction): E 5-10KTS AIR TEMP: 66 °C / (°F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface (70) °F Column (mid-depth) — °C / °F Bottom — °C / °F

SCREEN TYPE

√ Inflow screening:	None	25%	50%	75%	(100%)
√ Overflow screening:	None	(25%)	50%	75%	100%
√ Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: ROPE, CLOTHING, WOOD, GRASS, AND TRASH
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species) Ø
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO √
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's Name: Eric Farfe Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/12/09 **LOAD #:** 115

Times (24hrs): Start 2041 End 2316 Dump 2337

Location, Lat/Long: N 28° 55.751 W 95° 17.412

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD & CLAY
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 **Wave Height:** 1' ft

Wind (speed & direction): SE ~ 5 KTS **AIR TEMP:** 66 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.8 °C / °F **Column (mid-depth)** ___ °C / °F **Bottom** ___ °C / °F

SCREEN TYPE

√	Inflow screening:	None	25%	50%	75%	100%
√	Overflow screening:	None	25%	50%	75%	100%
√	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: 1 - STINGRAY, GRASS, WOOD, ROPE, NET, CARPET, PLASTIC, AND TRASH.
MIDDLE SCREEN CONTENTS:
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab Ø
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO √
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: AIR FORCE **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11/13/09 LOAD #: 116

Times (24hrs): Start 0016 End 0142 Dump 0203

Location, Lat/Long: N 28 55.125 W 95 17.780

Condition of screening: Forward good Middle good Aft good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: Mud, Silt
Weather conditions: clear skies, calm

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 Wave Height: 1-2 ft

Wind (speed & direction): NE 5-10 AIR TEMP: 18 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

____Inflow screening:	None	25%	50%	75%	(100%)
____Overflow screening:	(None)	25%	50%	75%	100%
____Other screening:	(None)	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: wood, cloth, fishing line, grass, misc trash

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: Tom Tate Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/13/09 **LOAD #:** 117

Times (24hrs): Start 0223 End 0346 Dump 0458

Location, Lat/Long: N 28 55 .150 W 95 17 .830

Condition of screening : Forward good Middle good Aft good Overflow n/a

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: muddy silt
Weather conditions: clear skies

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 1-2 ft

Wind (speed & direction): NE 5-10 **AIR TEMP:** 18 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

X Inflow screening:	None	25%	50%	75%	100%
Overflow screening:	None	25%	50%	75%	100%
Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: grass, wood, crab, plastic, misc trash

MIDDLE SCREEN CONTENTS: ___

AFT SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:
- Sturgeon (any species) ___
- Shark (any species) ___
- Horseshoe crab ___
- Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Tom McTee **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 13 / 09 **LOAD #:** 118

Times (24hrs): Start 0426 End 0549 Dump 0608

Location, Lat/Long: N 28 55 .150 W 95 17 .830

Condition of screening : Forward good Middle good Aft good Overflow N/A

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: Mud, silt
Weather conditions: Clear skies

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 1 - 2 ft

Wind (speed & direction): NE 5-10 **AIR TEMP:** 18 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE						
✓	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
___	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: Mud, rocks, wood, grass, cloth, fishing line, tires, mesa crush.

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Terrance Todd **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 4 / 13 / 09 **LOAD #:** 119

Times (24hrs): Start 0628 End 0743 Dump 0807

Location, Lat/Long: N 28 55 . 750 W 95 17 . 410

Condition of screening : Forward good Middle good Aft good Overflow N/A

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: mud, silt
Weather conditions: partly cloudy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 1-2 ft

Wind (speed & direction): ENE 5-10 **AIR TEMP:** ~~8~~ 19 °C/°F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: grass, wood, clsh, plastic, stingray, reddrum

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Terrence Todd **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 13 / 09 LOAD #: 120

Times (24hrs): Start 0832 End _____ Dump _____

Location, Lat/Long: N 28 55 .750 W 94 17 .960

Condition of screening : Forward good Middle good Aft good Overflow n/a

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud, silt
Weather conditions: partly cloudy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 Wave Height: 1 - 2 ft

Wind (speed & direction): NE 5-10 AIR TEMP: 20 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
___	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: wood, silt, plastic, grass, mussels

MIDDLE SCREEN CONTENTS: _____

AFT SCREEN CONTENTS: _____

Estimate number entrained on this load for the following:
Sturgeon (any species) _____
Shark (any species) _____
Horseshoe crab _____
Blue crab _____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: _____

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: Terri Ford Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 13 / 09 **LOAD #:** 121

Times (24hrs): Start 1050 End 1211 Dump 1230

Location, Lat/Long: N 28 55 .706 W 95 17 .335

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD & CLAY
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 **Wave Height:** 1-2 ft

Wind (speed & direction): SE ~ 5 KTS **AIR TEMP:** 74 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.4 °C/°F Column (mid-depth) — °C/°F Bottom — °C/°F

SCREEN TYPE

✓	Inflow screening:	None	25%	50%	75%	100%
✓	Overflow screening:	None	25%	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: WOOD, PLASTIC, ROPE, CLOTHING, GRASS, AND TRASH.
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab Ø
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: [signature] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 13 / 09 **LOAD #:** 122

Times (24hrs): Start 1259 End 1513 Dump 1532

Location, Lat/Long: N 28° 56.098 W 95° 17.714

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD & CLAY
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 **Wave Height:** 1 ft

Wind (speed & direction): SE ~ 5 **AIR TEMP:** ~~87~~ °C (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.4 (C) °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

√	Inflow screening:	None	25%	50%	75%	~~100%~~
√	Overflow screening:	None	~~25%~~	50%	75%	100%
√	Other screening:	None	25%	50%	75%	~~100%~~

FORWARD SCREEN CONTENTS: WOOD, PLASTIC, FISHING LINE, ROPE, GRASS, AND TRASH.
MIDDLE SCREEN CONTENTS:
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab Ø
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO √
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: [illegible] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/13/09 **LOAD #:** 123

Times (24hrs): Start 1551 End 1833 Dump 1853

Location, Lat/Long: N 28° 56.155 W 95° 17.776

Condition of screening : Forward HOOD Middle HOOD Aft HOOD Overflow HOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD & CLAY
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1-2 **Wave Height:** 1-2 ft

Wind (speed & direction): SE ~ 5-10 KTS **AIR TEMP:** 86 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.4 (C) °F Column (mid-depth) — °C / °F Bottom — °C / °F

SCREEN TYPE						
√	Inflow screening:	None	25%	50%	75%	(100%)
√	Overflow screening:	None	(25%)	50%	75%	100%
√	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: ___
MIDDLE SCREEN CONTENTS: WOOD, ROPE, FISHING LINE, CLOTHING, CRABS, AND TRASH.
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species) ___
- Shark (any species) ___
- Horseshoe crab Ø
- Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO √
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: [signature] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 13 / 09 **LOAD #:** 124

Times (24hrs): Start 1929 End 2130 Dump 2152

Location, Lat/Long: N 28° 55.886 W 95° 17.547

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD & CLAY
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1-2 **Wave Height:** 1' ft

Wind (speed & direction): SE ~10 KTS **AIR TEMP:** 72 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.4 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE						
✓	Inflow screening:	None	25%	50%	75%	100%
✓	Overflow screening:	None	25%	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: WOOD, GRASS, ROPE, CLOTHING, AND TRASH.

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab Ø
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: [signature] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/13/09 **LOAD #:** 125

Times (24hrs): Start 2214 End 0056 Dump 0118

Location, Lat/Long: N 28° 56.186 W 95° 17.850

Condition of screening : Forward _____ Middle _____ Aft _____ Overflow _____

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1-2 **Wave Height:** 1 ft

Wind (speed & direction): S ~10 KTS **AIR TEMP:** 72 °C (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.4 (C) °F Column (mid-depth) _____ °C / °F Bottom _____ °C / °F

SCREEN TYPE

V Inflow screening:	None	25%	50%	75%	(100%)
V Overflow screening:	None	(25%)	50%	75%	100%
V Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: _____

MIDDLE SCREEN CONTENTS: _____

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species) _____
- Shark (any species) _____
- Horseshoe crab _____
- Blue crab _____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES _____ NO _____
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: _____

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: _____ **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 14 / 09 **LOAD #:** 126

Times (24hrs): Start 0139 End 0244 Dump 0305

Location, Lat/Long: N 28 56 .190 W 95 17 .850

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: Mud, silt
Weather conditions: partly cloudy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2-3 **Wave Height:** 1-2 ft

Wind (speed & direction): E 10-15 **AIR TEMP:** 20 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.6 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

✓	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
___	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: Grass, mud, rags, plastic, foam

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Terrence Todd **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 14 / 08 **LOAD #:** 127

Times (24hrs): Start 0371 End 0522 Dump 0541

Location, Lat/Long: N 24 56 .190 W 95 17 .850

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: mud, silt
Weather conditions: partly cloudy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 2-4 ft

Wind (speed & direction): ESE 15-20 **AIR TEMP:** 20.8 °C/°F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 24.6 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

X Inflow screening:	None	~~25%~~	50%	75%	100%
X Overflow screening:	None	25%	50%	75%	100%
___ Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: plastic, grass, wood, c lots, metal, rock pipe, [illegible]

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: [illegible] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston

Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/19/09 **LOAD #:** 128

Times (24hrs): Start 0602 End 0803 Dump 0825

Location, Lat/Long: N 28 56.190 W 95 17.850

Condition of screening : Port good Starboard good Overflow ~~good~~ 25%

Number of dragheads in use: 2 **Type of dragheads used:** URSA **Size of dragheads:** 10'

Draghead deflector? YES X NO ___ **Condition of deflector:** good

Type of material dredged: Mud, silt

Weather conditions: Partly cloudy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 2-3 ft

Wind (speed & direction): E 10-15 **AIR TEMP:** 21 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.6 °C/°F **Column (mid-depth)** ___ °C/°F **Bottom** ___ °C/°F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	None	(25%)	50%	75%	100%
___	Other screening:	(None)	25%	50%	75%	100%

PORT SCREEN CONTENTS: Grass, mud, silt, mussel shells

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab ___
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None (25%) 50% 75% (100%)

Observer's Name: T. Todd **Observer firm** Coastal Science Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor **USACE District:** Galveston

Dredge Name: m/v Glenn Edward **Dredge Firm:** Manson Construction Co

Date 11/14/09 **LOAD #:** 129

Times (24hrs): Start 0914 End 1118 Dump 1137

Location, Lat/Long: N 28 56.190 W 95 17.850

Condition of screening : Port good Starboard good Overflow 25%

Number of dragheads in use: 2 **Type of dragheads used:** UOS TR **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** good

Type of material dredged: Mud, silt
Weather conditions: partly cloudy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 2 - 3 ft

Wind (speed & direction): E 10-15 **AIR TEMP:** 24 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.6 °C/°F **Column (mid-depth)** ___ °C/°F **Bottom** ___ °C/°F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	None	25%	50%	75%	100%
___	Other screening:	(None)	25%	50%	75%	100%

PORT SCREEN CONTENTS: GRASS, WOOD & TRASH

STARBOARD SCREEN CONTENTS: GRASS, WOOD & TRASH

Estimate number entrained on this load for the following:
Sturgeon (any species) 0
Shark (any species) 0
Horseshoe crab 0
Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: Tasman Tidd **Observer firm** COASTWISE

Endangered Species Observer Program
LOAD DATA FORM

Project Name: FREEPORT ENTRANCE CHANNEL **USACE District:** GALVESTON

Dredge Name: m/v GLENN EDWARDS **Dredge Firm:** MANSON

Date 11 / 14 / 09 **LOAD #:** 130

Times (24hrs): Start 1156 End 1303 Dump 1324

Location, Lat/Long: N 28° 56.190 W 95° 17.809

Condition of screening : Port GOOD Starboard GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** VOSTA **Size of dragheads:** 14'
Draghead deflector? YES ✓ NO ___ **Condition of deflector:** GOOD

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1-2 **Wave Height:** 1-2 ft

Wind (speed & direction): SE ~ 10 KTS **AIR TEMP:** 90 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.7 (C) °F **Column (mid-depth)** — °C / °F **Bottom** — °C / °F

SCREEN TYPE						
✓	Inflow screening:	None	25%	50%	75%	(100%)
✓	Overflow screening:	None	(25%)	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	(100%)

PORT SCREEN CONTENTS: GRASS, WOOD & TRASH.

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab 0
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: [illegible] **Observer firm** CONSOWISE

Endangered Species Observer Program
LOAD DATA FORM

Project Name: FREEPORT ENTRANCE CHANNEL **USACE District:** GALVESTON

Dredge Name: GLENN EDWARDS **Dredge Firm:** MANSON

Date 11 / 14 / 09 **LOAD #:** 131

Times (24hrs): Start 1351 End 1500 Dump 1518

Location, Lat/Long: N 28° 56.153 W 95° 17.784

Condition of screening : Port GOOD Starboard GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** VOSTA **Size of dragheads:** 14'
Draghead deflector? YES ✓ NO ___ **Condition of deflector:** GOOD

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1-2 **Wave Height:** 1-2 ft

Wind (speed & direction): SE ~10 KTS **AIR TEMP:** 90 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.7 °C/°F **Column (mid-depth)** — °C/°F **Bottom** — °C/°F

SCREEN TYPE

✓	Inflow screening:	None	25%	50%	75%	100%
✓	Overflow screening:	None	25%	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS:

STARBOARD SCREEN CONTENTS: WOOD, ROPE, CLOTHING, GRASS, AND TRASH.

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab Ø
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: [illegible] **Observer firm** COASTWISE

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 14 / 09 **LOAD #:** 132

Times (24hrs): Start 1537 End 1644 Dump 1702

Location, Lat/Long: N 28° 56.481 W 95° 18.186

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1-2 **Wave Height:** 1-2' ft

Wind (speed & direction): SE 5-10 **AIR TEMP:** 81 °C (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.7 (C) °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

V Inflow screening:	None	25%	50%	75%	(100%)
V Overflow screening:	None	(25%)	50%	75%	100%
V Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: WOOD, ROPE, GRASS, CLOTHING, AND TRASH
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab Ø
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO √
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: Luis Fonfe **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 14 / 09 **LOAD #:** 133

Times (24hrs): Start 1720 End 1822 Dump 1838

Location, Lat/Long: N 28° 55 . 283 W 95° 16 . 928

Condition of screening : Forward Hood Middle Hood Aft Hood Overflow Hood

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD & CLAY
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 2-3' ft

Wind (speed & direction): SE N 10 KTS **AIR TEMP:** 74 °C (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.7 (C) °F **Column (mid-depth)** ___ °C / °F **Bottom** ___ °C / °F

SCREEN TYPE

✓	Inflow screening:	None	25%	50%	75%	(100%)
✓	Overflow screening:	None	(25%)	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: GRASS, WOOD & TRASH
MIDDLE SCREEN CONTENTS:
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab Ø
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: MOVED TO STATIONS 0+00 TO -50+00

SECTION #3

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: [signature] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 14 / 09 LOAD #: 134

Times (24hrs): Start 1855 End 1930 Dump 1946

Location, Lat/Long: N 28° 55 .281 W 95° 16 .918

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: Partly Cloudy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 Wave Height: 2-3 ft

Wind (speed & direction): SE ~ 10kts AIR TEMP: 73 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.7 °C / °F Column (mid-depth) — °C / °F Bottom — °C / °F

SCREEN TYPE

√ Inflow screening:	None	25%	50%	75%	100%
√ Overflow screening:	None	25%	50%	75%	100%
√ Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: Grass, Wood, Rope & Trash
MIDDLE SCREEN CONTENTS:
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab Ø
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO √
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: [illegible] Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 14 / 09 **LOAD #:** 135

Times (24hrs): Start 2008 End 2105 Dump 2120

Location, Lat/Long: N 28° 55.330 W 95 16.968

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 2-3 ft

Wind (speed & direction): SE ~ 10 KTS **AIR TEMP:** 73 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.7 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE						
✓	Inflow screening:	None	25%	50%	75%	100%
✓	Overflow screening:	None	25%	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: ROPE, CLOTHING, WOOD & TRASH
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab Ø
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: [signature] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/14/09 **LOAD #:** 136

Times (24hrs): Start _____ End _____ Dump _____

Location, Lat/Long: N 28° 55 .528 W 95° 17 .190

Condition of screening : Forward HOOD Middle HOOD Aft HOOD Overflow HOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 2-3 ft

Wind (speed & direction): SE 10-15 **AIR TEMP:** 73° °C (°F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.7(0) °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

√ Inflow screening:	None	25%	50%	75%	~~100%~~
√ Overflow screening:	None	~~25%~~	50%	75%	100%
√ Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: WOOD, ROPE, FISHING LINE, CLOTHING, PLASTIC, GRASS, ROCK, AND TRASH.
MIDDLE SCREEN CONTENTS: >
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species) _____
- Shark (any species) _____
- Horseshoe crab Ø
- Blue crab _____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO √
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: _____

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: [signature] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/15/09 **LOAD #:** 137

Times (24hrs): Start 2319 End 0024 Dump 0038

Location, Lat/Long: N 28° 55 .175 W 95° 16 .790

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14"
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: Mud, silt, clay
Weather conditions: Partly cloudy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 1-3 ft

Wind (speed & direction): SE 10-15 **AIR TEMP:** 23 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.7 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE						
X	Inflow screening:	None	~~25%~~	50%	75%	(100%)
X	Overflow screening:	None	(25%)	50%	75%	100%
___	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: grass, wood, plastic, fishing line, rocks, misc trash
MIDDLE SCREEN CONTENTS: ___
AFT SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:
- Sturgeon (any species) 0
- Shark (any species)
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: Terrance Todd **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11/15/09 LOAD #: 138

Times (24hrs): Start 0054 End 0200 Dump 0214

Location, Lat/Long: N 28 55.200 W 95 16.790

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mw, silt, clay
Weather conditions: Partly cloudy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 Wave Height: 1-3 ft

Wind (speed & direction): ESE 10-15 AIR TEMP: 20 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.7 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE						
X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	None	(25%)	50%	75%	100%
___	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: grass, wood, fishing line, plastic, cloth, oil-on Bags rope, wire, Misc Trash

MIDDLE SCREEN CONTENTS: ___

AFT SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab ___
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's Name: Teriana Todd Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 15 / 09 **LOAD #:** 139

Times (24hrs): Start 0230 End 0334 Dump 0348

Location, Lat/Long: N 28 55 .220 W 95 16 .780

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: mud, silt, clay
Weather conditions: partly cloudy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 1-3 ft

Wind (speed & direction): ESE 10-15 **AIR TEMP:** 20 °C/°F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.7 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	None	(25%)	50%	75%	100%
___	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: wood, grass, plastic, cloth, rope, fishing line, misc trash, Tonka truck

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:

- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab
- Blue crab

0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Terrance Todd **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 15 / 09 **LOAD #:** 140

Times (24hrs): Start 0433 End 0533 Dump 0548

Location, Lat/Long: N 28 55.200 W 95 16.790

Condition of screening : Forward good Middle good Aft good Overflow 25

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: Mud, silt, clay
Weather conditions: Partly cloudy to mostly clear

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 1-3 ft

Wind (speed & direction): ESE 10-15 **AIR TEMP:** 21.2 °C/°F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.7 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE						
X	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: grass, wood, plastic, cloth, fishing line, netting, mesh trash

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Terrance Todd **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/15/09 **LOAD #:** 141

Times (24hrs): Start 0703 End 0808 Dump 0825

Location, Lat/Long: N 28 55 .195 W 95 16 .790

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: Mud, silt
Weather conditions: Mostly clear - Hazy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 1-3 ft

Wind (speed & direction): ESE 12-15 **AIR TEMP:** 21.7 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.7 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
___	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: grass, wood, cloth, metal, wire, fishing line netting, toadfish, stingray, misc trash

MIDDLE SCREEN CONTENTS: ___

AFT SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:

- Sturgeon (any species) 0
- Shark (any species) 0
- Horseshoe crab 0
- Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Terrance Todd **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/15/09 **LOAD #:** 142

Times (24hrs): Start 0849 End 0946 Dump 1004

Location, Lat/Long: N 28 55.200 W 95 16.790

Condition of screening : Forward good Middle good Aft good Overflow good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: Mud, silt
Weather conditions: Partly cloudy, Hazy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 1-3 ft

Wind (speed & direction): SE 10-15 **AIR TEMP:** 22.4 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.7 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

X Inflow screening:	None	25%	50%	75%	~~100%~~
X Overflow screening:	None	~~25%~~	50%	75%	100%
___ Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: Flounder, Bivalve, grass, wood, stingray, plastic, clay, metal, netting, fishing line
MIDDLE SCREEN CONTENTS:
AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ___
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Terrance Todd **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11/15/09 LOAD #: 143

Times (24hrs): Start 1055 End 1112 Dump 1131

Location, Lat/Long: N 28° 55.550 W 95° 17.154

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14"
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2-3 Wave Height: 2-3 ft

Wind (speed & direction): SE 10-15 AIR TEMP: 76 °C (E)°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.70 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE						
	√ Inflow screening:	None	25%	50%	75%	~~100%~~
	√ Overflow screening:	None	~~25%~~	50%	75%	100%
	√ Other screening:	None	25%	50%	75%	~~100%~~

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: GRASS, PLASTIC, FISHING LINE, ROPE, WOOD, AND TRASH.
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab Ø
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO √
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: [signature] Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 15 / 09 LOAD #: 144

Times (24hrs): Start 1149 End 1235 Dump 1253

Location, Lat/Long: N 28° 55 . 475 W 95° 17 . 085

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: Cloudy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 Wave Height: 3-4 ft

Wind (speed & direction): SE 10-15 AIR TEMP: 76 °C (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.70 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

V	Inflow screening:	None	25%	50%	75%	(100%)
V	Overflow screening:	None	(25%)	50%	75%	100%
V	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: }
MIDDLE SCREEN CONTENTS: } GRASS, WOOD, PLASTIC, ROPE, AND TRASH.
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab Ø
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's Name: [illegible] Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 15 / 09 **LOAD #:** 145

Times (24hrs): Start 1313 End 1508 Dump 1525

Location, Lat/Long: N 28° 55.410 W 95° 17.014

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 3-4 ft

Wind (speed & direction): SE 10-15 **AIR TEMP:** 76 °C (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.70 °C/°F **Column (mid-depth)** — °C/°F **Bottom** — °C/°F

SCREEN TYPE

✓	Inflow screening:	None	25%	50%	75%	(100%)
✓	Overflow screening:	None	(25%)	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: GRASS, WOOD & TRASH.
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- **Sturgeon (any species)**
- **Shark (any species)**
- **Horseshoe crab** Ø
- **Blue crab**

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: DIGGING W/ PORT SIDE ONLY

Number observers used/24hrs: 1 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: Chris Fenske **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/15/09 **LOAD #:** 146

Times (24hrs): Start 1545 End 1654 Dump 1709

Location, Lat/Long: N 28° 55.370 W 95° 16.972

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2-3 **Wave Height:** 2-4 ft

Wind (speed & direction): SE @ 10-15 **AIR TEMP:** 76 °C (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.7 (C) °F Column (mid-depth) — °C / °F Bottom — °C / °F

SCREEN TYPE

√	Inflow screening:	None	25%	50%	75%	(100%)
√	Overflow screening:	None	(25%)	50%	75%	100%
√	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: GRASS, WOOD & TRASH.
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species) Ø
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO √
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: [illegible] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/15/09 **LOAD #:** 147

Times (24hrs): Start 1726 End 1830 Dump 1849

Location, Lat/Long: N 28° 55.598 W 95° 17.208

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2-3 **Wave Height:** 2-4 ft

Wind (speed & direction): SE 10-15 **AIR TEMP:** 72 °C (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.7 (C) °F Column (mid-depth) — °C / °F Bottom — °C / °F

SCREEN TYPE

√ Inflow screening:	None	25%	50%	75%	(100%)
√ Overflow screening:	None	~~25%~~	50%	75%	100%
√ Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: ___

MIDDLE SCREEN CONTENTS: GRASS, WOOD, CLOTHING & TRASH

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:

Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab Ø
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO √
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: [signature] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 15 / 09 LOAD #: 148

Times (24hrs): Start 1922 End 2011 Dump 2030

Location, Lat/Long: N 28° 55 . 496 W 95° 17 . 096

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2-3 Wave Height: 2-3 ft

Wind (speed & direction): SE @ 10 KTS AIR TEMP: 72 °C (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.70 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

✓	Inflow screening:	None	25%	50%	75%	(100%)
✓	Overflow screening:	None	(25%)	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: ___

MIDDLE SCREEN CONTENTS: GRASS, WOOD & TRASH

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab Ø
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's Name: [signature] Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/15/09 **LOAD #:** 149

Times (24hrs): Start 2048 End 2151 Dump 2208

Location, Lat/Long: N 28° 55.750W 95° 17.355

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2-3 **Wave Height:** 2-3 ft

Wind (speed & direction): SE 10-15 **AIR TEMP:** 72 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.7 °C / °F **Column (mid-depth)** — °C / °F **Bottom** — °C / °F

SCREEN TYPE						
√	Inflow screening:	None	25%	50%	75%	(100%)
√	Overflow screening:	None	(25%)	50%	75%	100%
√	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: ___
MIDDLE SCREEN CONTENTS: 3-CATFISH, ROCK, WOOD, ROPE, FISHING LINE, PLASTIC, CLOTHING, GRASS & TRASH
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species) ___
- Shark (any species) Ø
- Horseshoe crab ___
- Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO √
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: [signature] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11/16/09 LOAD #: 150

Times (24hrs): Start 2259 End 0006 Dump 0025

Location, Lat/Long: N 28° 55.757 W 95° 17.420

Condition of screening : Forward Good Middle Good Aft _____ Overflow _____

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: MOSTLY CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 Wave Height: 2-3 ft

Wind (speed & direction): SE ~ 10 KTS AIR TEMP: 72 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ (C) F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

√	Inflow screening:	None	25%	50%	75%	(100%)
√	Overflow screening:	None	(25%)	50%	75%	100%
√	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: _____

MIDDLE SCREEN CONTENTS: _____

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) _____
Shark (any species) _____
Horseshoe crab _____
Blue crab _____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ___
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: _____

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's Name: _____ Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 18 / 09 **LOAD #:** 151

Times (24hrs): Start 0044 End 0148 Dump 0205

Location, Lat/Long: N 28 55 .760 W 95 17 .420

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: Mud, Silt
Weather conditions: overcast

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 2-3 ft

Wind (speed & direction): SE 10-15 **AIR TEMP:** 22 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.9 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE						
X	Inflow screening:	None	25%	50%	75%	~~100%~~
X	Overflow screening:	None	25%	50%	75%	100%
___	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: wood, grass, cloth, misc Trash

MIDDLE SCREEN CONTENTS: ___

AFT SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:
- Sturgeon (any species) ___
- Shark (any species) ___
- Horseshoe crab ___
- Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO K
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Terrance Tabb **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 16 / 07 LOAD #: 15 2

Times (24hrs): Start 0227 End 0320 Dump 0337

Location, Lat/Long: N 28 55 .760 W 95 17 .420

Condition of screening : Forward _____ Middle _____ Aft _____ Overflow _____

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: Mud s/t
Weather conditions: overcast

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 Wave Height: 2-3 ft

Wind (speed & direction): SE 10-15 AIR TEMP: 22 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.6 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	~~25%~~	50%	75%	100%
___	Other screening:	None	~~25%~~	50%	75%	100%

FORWARD SCREEN CONTENTS: grass, wood, cloth, plastic, metal, mixed

MIDDLE SCREEN CONTENTS: _____

AFT SCREEN CONTENTS: _____

Estimate number entrained on this load for the following:
Sturgeon (any species) 0
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: _____

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: Terrance Tod Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/16/09 **LOAD #:** 153

Times (24hrs): Start 0357 End 0448 Dump 0507

Location, Lat/Long: N 28 55 .760 W 95 17 .420

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MW, SH
Weather conditions: Overcast

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 2-3 ft

Wind (speed & direction): SE ~ 10 **AIR TEMP:** 22 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.C °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
___	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: grass, wood, clay, fishing line, Catfish PVC Piping

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Tommy Todd **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 16 / 09 LOAD #: 154

Times (24hrs): Start 0542 End 0706 Dump 0723

Location, Lat/Long: N 28 55 .740 W 95 17 .400

Condition of screening : Forward good Middle good Aft good Overflow 25

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: Mud, silt
Weather conditions: Overcast

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 Wave Height: 2-3 ft

Wind (speed & direction): SE 10-15 AIR TEMP: 21.0 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.6 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
C	Overflow screening:	None	(25%)	50%	75%	100%
___	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: grass, wood, plastic, eels, fishing line, nets

MIDDLE SCREEN CONTENTS: ___

AFT SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab ___
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: Terrance Todd Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 18 / 09 **LOAD #:** 155

Times (24hrs): Start 0745 End 0901 Dump 0917

Location, Lat/Long: N 28 55 .742 W 95 17 .400

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MW, silt
Weather conditions: Overcast

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 2-3 ft

Wind (speed & direction): SE 10-15 **AIR TEMP:** 22.5 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.7 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

X	Inflow screening:	None	~~25%~~	50%	75%	100%
X	Overflow screening:	None	~~25%~~	50%	75%	~~100%~~
	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: Plastic, cloth, grass, wood, onion bags, fishing lines, Netting, Elmo mold, Toy Train, frisbee ring

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Tarana Todd **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 16 / 09 LOAD #: 156

Times (24hrs): Start 1011 End 1041 Dump 1057

Location, Lat/Long: N 28 55 .790 W 95 17 .400

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: Mud silt
Weather conditions: Overcast

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 Wave Height: 2-3 ft

Wind (speed & direction): SE 10-15 AIR TEMP: 22.5 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.7 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	None	(25%)	50%	75%	100%
___	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: grass, wood, cloth, plastic, metal, fishing line, netting, misc trash

MIDDLE SCREEN CONTENTS: ___

AFT SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab ___
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: Terran Todd Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 16 / 09 LOAD #: 157

Times (24hrs): Start 1117 End 1217 Dump 1234

Location, Lat/Long: N 28° 55.572W 95° 17.174

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 Wave Height: 2-3 ft

Wind (speed & direction): N ~ 15 AIR TEMP: 65 °C (°F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.9 (°C)/°F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

✓ Inflow screening:	None	25%	50%	75%	(100%)
✓ Overflow screening:	None	(25%)	50%	75%	100%
✓ Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: ___

MIDDLE SCREEN CONTENTS: GRASS, WOOD, CLOTHING & TRASH

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab Ø
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's Name: [signature] Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 16 / 09 LOAD #: 158

Times (24hrs): Start 1257 End 1353 Dump 1408

Location, Lat/Long: N 28° 55.645 W 95° 17.250

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 Wave Height: 2-3 ft

Wind (speed & direction): NNW ~ 20 AIR TEMP: 65 °C (°F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.9 °C °F Column (mid-depth) ___ °C °F Bottom ___ °C °F

SCREEN TYPE

✓	Inflow screening:	None	25%	50%	75%	100%
✓	Overflow screening:	None	25%	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: 1 - SPIDER CRAB, ROCK, WOOD, GRASS, FISHING LINE, ROPE, CLOTHING, NET, PLASTIC, AND TRASH.
MIDDLE SCREEN CONTENTS:
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species) Ø
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: Eric Fenske Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11/16/09 LOAD #: 159

Times (24hrs): Start 1458 End 1559 Dump 1614

Location, Lat/Long: N 28° 55.175 W 95° 16.762

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3-4 Wave Height: 2-3 ft

Wind (speed & direction): NNW 20 AIR TEMP: ___ °C (°F) = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.90 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE						
V	Inflow screening:	None	25%	50%	75%	(100%)
V	Overflow screening:	None	(25%)	50%	75%	100%
V	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: 1 - CATFISH, GRASS, WOOD, NET, FISHING LINE, PLASTIC, HARD TRASH.
MIDDLE SCREEN CONTENTS:
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab Ø
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's Name: [signature] Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/16/09 **LOAD #:** 160

Times (24hrs): Start 1638 End 1740 Dump 1904

Location, Lat/Long: N 29° 55.149 W 95° 16.737

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 **Wave Height:** 2-3 ft

Wind (speed & direction): NW ~ 20-25 **AIR TEMP:** 61 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 21.9 °C / °F Column (mid-depth) — °C / °F Bottom — °C / °F

SCREEN TYPE

✓ Inflow screening:	None	25%	50%	75%	100%
✓ Overflow screening:	None	25%	50%	75%	100%
✓ Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: GRASS, WOOD, PVC, PLASTIC, ROPE, FISHING LINE, CLOTHING, NET, ROCK, METAL, AND TRASH
MIDDLE SCREEN CONTENTS: "
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab Ø
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:
* DREDGING SUSPENDED FOR REPAIRS *

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Kris Tuttle **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/17/09 **LOAD #:** 161

Times (24hrs): Start 1936 End 2107 Dump 2125

Location, Lat/Long: N 28° 55.262 W 95° 16.900

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1-2 **Wave Height:** 1-2 ft

Wind (speed & direction): NW 5 KTS **AIR TEMP:** 59 °C / (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.8 (C) °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

√	Inflow screening:	None	25%	50%	75%	(100%)
√	Overflow screening:	None	~~25%~~	50%	75%	100%
√	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: ___
MIDDLE SCREEN CONTENTS: CLOTHING, GRASS, PLASTIC, ROPE, WOODLAND TRASH.
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- **Sturgeon (any species)** ___
- **Shark (any species)** Ø
- **Horseshoe crab** ___
- **Blue crab** ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO √
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:
* DREDGING RESUMED ONCE REPAIRS WERE COMPLETE

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: [signature] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 17 / 09 **LOAD #:** 162

Times (24hrs): Start 2142 End 2326 Dump 2344

Location, Lat/Long: N 28° 55.505 W 95° 17.136

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1-2 **Wave Height:** 1-2 ft

Wind (speed & direction): NW ~ 5 KTS **AIR TEMP:** 58 °C °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.8 °C °F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE					
✓ Inflow screening:	None	25%	50%	75%	100%
✓ Overflow screening:	None	25%	50%	75%	100%
✓ Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS:

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species) ___
- Shark (any species) ___
- Horseshoe crab ___
- Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ___
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: [signature] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 16 / 07 LOAD #: 163

Times (24hrs): Start 0000 End 0102 Dump 0117

Location, Lat/Long: N 28 55 .260 W 95 1C .900

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud silt
Weather conditions: Mostly clear - cool

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1-2 Wave Height: 1-2 ft

Wind (speed & direction): NW 5-10 AIR TEMP: 19.8 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.8 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE						
X	Inflow screening:	None	~~25%~~	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
___	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: Stingray, plastic, cloth, wood, grass

MIDDLE SCREEN CONTENTS: ___

AFT SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab ___
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: Terrance Todd Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 18 / 09 **LOAD #:** 164

Times (24hrs): Start 0151 End 0250 Dump 0304

Location, Lat/Long: N 28 55.260 W 95 16.900

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: Mud, silt
Weather conditions: Mostly clear

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1-2 **Wave Height:** 1-2 ft

Wind (speed & direction): NW 5-10 **AIR TEMP:** 19.4 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.8 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	None	(25%)	50%	75%	100%
___	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: grass, wood, plastic, cloth, stingrays, fishing line, rope, netting, misc trash

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:

- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Torrance Toll **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 18 / 09 **LOAD #:** 165

Times (24hrs): Start 0320 End 0421 Dump 0435

Location, Lat/Long: N 28 55 .260 W 95 16 .907

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: mud, silt
Weather conditions: clear sky

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1-2 **Wave Height:** 1-2 ft

Wind (speed & direction): NW 5-10 **AIR TEMP:** 20.8 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.8 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: grass, wood, mud, clam shells, metal, fishing line, netting

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Terrance Todd **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11/16/09 LOAD #: 165

Times (24hrs): Start 0452 End 0704 Dump 0719

Location, Lat/Long: N 28 55.260 W 95 16.900

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: Mud, silt
Weather conditions: clear skies

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1-2 Wave Height: 1-2 ft

Wind (speed & direction): NW 5-10 AIR TEMP: 20.5 °C/°F °C = 5/9 (°F - 32); °F = 9/5 (°C) + 32

WATER TEMP: Surface 20.8 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

X Inflow screening:	None	25%	50%	75%	(100%)
X Overflow screening:	None	(25%)	50%	75%	100%
___ Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: grass, wood, crab, fish, live, stingrays, cownose rays, flounder
MIDDLE SCREEN CONTENTS:
AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
Sturgeon (any species) 0
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: Terrance Todd Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/14/09 **LOAD #:** 167

Times (24hrs): Start 0831 End 1027 Dump 1048

Location, Lat/Long: N 28 55 .260 W 95 16 .900

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: Mud, silt
Weather conditions: clear skies

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 1-2 ft

Wind (speed & direction): NW 5-10 **AIR TEMP:** 21.0 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.8 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE						
X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	None	(25%)	50%	75%	100%
___	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: grass, wood, plastic, vinyl siding, netting, fishing line, 1 blue crab, catfish

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species)	0
Shark (any species)	0
Horseshoe crab	0
Blue crab	1

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Terran Todd **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/18/09 **LOAD #:** 168

Times (24hrs): Start 1107 End 1204 Dump 1218

Location, Lat/Long: N 28 55 .180 W 95 16 .760

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: Mud, Silt
Weather conditions: Clear skies

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 **Wave Height:** 1 ft

Wind (speed & direction): ___ **AIR TEMP:** 69 "C / "F ("F = 9/5 ("C) + 32; "C = 5/9 ("F - 32))

WATER TEMP: Surface 20.8 "C / "F Column (mid-depth) ___ "C / "F Bottom ___ "C / "F

SCREEN TYPE						
X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	None	(25%)	50%	75%	100%
___	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: ___
MIDDLE SCREEN CONTENTS: Rope, WOOD, NET, CLOTHING, AND TRASH.
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species) ___
- Shark (any species) ___
- Horseshoe crab Ø
- Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: [illegible] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/18/09 **LOAD #:** 169

Times (24hrs): Start 1237 End 1337 Dump 1354

Location, Lat/Long: N 28° 55.675 W 95° 17.354

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1-2 **Wave Height:** 1-2 ft

Wind (speed & direction): SW 5-10 **AIR TEMP:** 79 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 30.6 (C)/F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

✓	Inflow screening:	None	25%	50%	75%	(100%)
✓	Overflow screening:	None	(25%)	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: ___

MIDDLE SCREEN CONTENTS: 1- COWNOSE RAY, ROPE, FISHING LINE, NET, WOOD, PLASTIC, ROCK, GRASS, AND TRASH

AFT SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:
- Sturgeon (any species) ___
- Shark (any species) ___
- Horseshoe crab 0
- Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: [signature] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/18/09 **LOAD #:** 170

Times (24hrs): Start 1432 End 1633 Dump 1649

Location, Lat/Long: N 28° 55.122 W 95° 16.763

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1-2 **Wave Height:** 1-2 ft

Wind (speed & direction): S 5-10 KTS **AIR TEMP:** 77 °C (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.6 (C) °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

✓	Inflow screening:	None	25%	50%	75%	100%
✓	Overflow screening:	None	25%	50%	75%	100%
	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: 1- CONIOSE RAY, A WHELK SHELL, GRASS, WOOD, ROPE, NET, ROCK, PLASTIC, AND TRASH
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab Ø
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: [signature] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 18 / 09 **LOAD #:** 171

Times (24hrs): Start 1717 End 1855 Dump 1922

Location, Lat/Long: N 28° 55.680W 95° 17.287

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1-2 **Wave Height:** 1-2 ft

Wind (speed & direction): SE 5-10 KTS **AIR TEMP:** 63° °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.6 °C/°F Column (mid-depth) — °C/°F Bottom — °C/°F

SCREEN TYPE

√ Inflow screening:	None	25%	50%	75%	100%
√ Overflow screening:	None	25%	50%	75%	100%
√ Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: WOOD, GRASS, CLOTHING, ROPE, AND TRASH.

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab Ø
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO √
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: [signature] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11/18/09 LOAD #: 172

Times (24hrs): Start 1944 End 2046 Dump 2106

Location, Lat/Long: N 28° 55.470 W 95° 17.124

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1-2 Wave Height: 1-2 ft

Wind (speed & direction): SE 16-15 AIR TEMP: 65 °C (°F) = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.6 °C °F Column (mid-depth) ___ °C °F Bottom ___ °C °F

SCREEN TYPE

✓	Inflow screening:	None	25%	50%	75%	(100%)
✓	Overflow screening:	None	(25%)	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: GRASS, ROPE, WOOD, CLOTHING, FISHING LINE, HAND TRASH.
MIDDLE SCREEN CONTENTS:
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab Ø
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's Name: [signature] Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/18/09 **LOAD #:** 173

Times (24hrs): Start 2129 End 2233 Dump 2252

Location, Lat/Long: N 28° 55.146 W 95° 16.720

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1-2 **Wave Height:** 1-2' ft

Wind (speed & direction): SE 15-20 **AIR TEMP:** 66 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.6 (C) °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

√	Inflow screening:	None	25%	50%	75%	(100%)
√	Overflow screening:	None	(25%)	50%	75%	100%
√	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: OYSTER SHELLS, HORSE CONCH SHELL, GRASS, WOOD, ROPE, FISHING LINE, PLASTIC, NET, METAL & TRASH.
MIDDLE SCREEN CONTENTS:
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) Ø
Horseshoe crab ___
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO √
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: [illegible] Fouse **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 18 / 09 LOAD #: 174

Times (24hrs): Start 2315 End 0015 Dump 0030

Location, Lat/Long: N 29° 55.678 W 95° 17.289

Condition of screening : Forward Hood Middle Hood Aft Hood Overflow Hood

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1-2 Wave Height: 1-2' ft

Wind (speed & direction): SE 10-15 AIR TEMP: 66 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.6 (C) °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

√	Inflow screening:	None	25%	50%	75%	(100%)
√	Overflow screening:	None	(25%)	50%	75%	100%
√	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS:

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's Name: Tristan Todd Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11/19/09 LOAD #: 175

Times (24hrs): Start 0046 End 0134 Dump 0153

Location, Lat/Long: N 28 55.680 W 95 17.290

Condition of screening : Forward Good Middle Good Aft good Overflow ES

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MW, silt Som Clay
Weather conditions: Clear skies to partly cloudy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1-2 Wave Height: 1-2 ft

Wind (speed & direction): SE 10-15 AIR TEMP: 65 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
___	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: grass, wood, plastic, cloth, rope, Misc Trash

MIDDLE SCREEN CONTENTS: ___

AFT SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab ___
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: Terrance Todd Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 19 / 09 **LOAD #:** 175

Times (24hrs): Start 0208 End 0332 Dump 0340

Location, Lat/Long: N 28 55 680 W 95 17 290

Condition of screening : Forward good Middle good Aft good Overflow —

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: Mud silt, clay
Weather conditions: Partly cloudy to mostly cloudy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1-2 **Wave Height:** 1-2 ft

Wind (speed & direction): SE 10-15 **AIR TEMP:** 63 °C/°F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.6 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE						
X	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: grass, wood, cloth, metal, rocks, wire, PVC pipe, Fishing line, netting, Stingray, catfish, Bivalves, gastropods, misc Trash

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Terram Todd **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 19 / 09 LOAD #: 177

Times (24hrs): Start 0403 End 0454 Dump 0507

Location, Lat/Long: N 28 55 .620 W 95 17 .420

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: Mud, silt, clay
Weather conditions: Mostly cloudy to overcast

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 Wave Height: 1 - 2 ft

Wind (speed & direction): SE 10-15 AIR TEMP: 60 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.6 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	~~100%~~
X	Overflow screening:	None	~~25%~~	50%	75%	100%
___	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: grass, wood, netting, fishing line, Misc Trash

MIDDLE SCREEN CONTENTS: ___

AFT SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab ___
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: Terrance Tobe Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 19 / 09 LOAD #: 178

Times (24hrs): Start 0523 End 0715 Dump 0736

Location, Lat/Long: N 29 55 .620 W 95 17 .920

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14"
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: Mud, silt, clay
Weather conditions: Overcast

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 Wave Height: 1 - 2 ft

Wind (speed & direction): 1 - 2 AIR TEMP: 62 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.6 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
___	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: grass, wood, clots, plastic, netting, misc trash

MIDDLE SCREEN CONTENTS: ___

AFT SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:
Sturgeon (any species) 0
Shark (any species) 0
Horseshoe crab 0
Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: Terran Tull Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 19 / 09 LOAD #: 179

Times (24hrs): Start 0755 End 0855 Dump 0913

Location, Lat/Long: N 28 55 .620 W 95 17 .420

Condition of screening : Forward good Middle good Aft good Overflow 25

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: Mud, silt
Weather conditions: Overcast to Mostly cloudy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 Wave Height: 1-2 ft

Wind (speed & direction): SE 10-15 AIR TEMP: 64 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.6 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE						
X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	None	(25%)	50%	75%	100%
___	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: grass, wood, plastic, cloth, rope, rocks, netting, fishing line, PVC PIPE, Rubber, Stingray, (1) Blue Crab, Bivalves, Gastropods, Misc Trash, flounder
MIDDLE SCREEN CONTENTS: grass, wood, plastic, cloth, rope, fishing line, flounder, (1) blue crab, Stingray, Bivalves & Gastropods.
AFT SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:

Sturgeon (any species)	0
Shark (any species)	0
Horseshoe crab	0
Blue crab	2

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: Terrance Todd Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 19 / 09 **LOAD #:** ~~179~~ 180

Times (24hrs): Start 0959 End 1126 Dump 1144

Location, Lat/Long: N 28 55 .290 W 95 17 .365

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: Mud, silt, some clay
Weather conditions: Mostly cloudy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 1-2 ft

Wind (speed & direction): SE 10-15 **AIR TEMP:** 71.2 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.6 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

X	Inflow screening:	None	~~25%~~	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
___	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: GRASS, WOOD, Rope & TRASH
MIDDLE SCREEN CONTENTS:
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species) Ø
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Kris Fuqua **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 19 / 09 **LOAD #:** 181

Times (24hrs): Start 1203 End 1357 Dump 1413

Location, Lat/Long: N 28° 55.527 W 95° 17.163

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: Cloudy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3-4 **Wave Height:** 2-3½' ft

Wind (speed & direction): SE 15 KTS **AIR TEMP:** 77 °C (F) F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 30.9 (C) °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

✓	Inflow screening:	None	25%	50%	75%	(100%)
✓	Overflow screening:	None	(25%)	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: ___
MIDDLE SCREEN CONTENTS: 1- FLOUNDER, 1- REDFISH, 1- CATFISH, GRASS, WOOD, ROPE, NET, FISHING LINE, ROCK, METAL, CLOTHING, AND TRASH.
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species) ___
- Shark (any species) ___
- Horseshoe crab Ø
- Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Eric Foyle **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 19 / 09 LOAD #: 182

Times (24hrs): Start _____ End _____ Dump _____

Location, Lat/Long: N 28° 55.359 W 95° 16.957

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: Cloudy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 4 Wave Height: 3-4 ft

Wind (speed & direction): SE 15-20 AIR TEMP: 76 °C (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.9 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

✓	Inflow screening:	None	25%	50%	75%	(100%)
✓	Overflow screening:	None	(25%)	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: WHELK SHELL, PLASTIC, WOOD, ROPE, AND TRASH.
MIDDLE SCREEN CONTENTS: ↑
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) Ø
Horseshoe crab ___
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's Name: [signature] Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 19 / 09 LOAD #: 183

Times (24hrs): Start 1740 End 1925 Dump 1943

Location, Lat/Long: N 28° 55 .490 W 95° 17 .092

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 4-5 Wave Height: 4-5 ft

Wind (speed & direction): SE 20 KTS AIR TEMP: 72 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.9 (C)/F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE
- V Inflow screening: None 25% 50% 75% (100%)
- V Overflow screening: None (25%) 50% 75% 100%
- V Other screening: None 25% 50% 75% (100%)

FORWARD SCREEN CONTENTS: 1 - WHELK SHELL, WOOD, ROPE, CLOTHING, AND TRASH.
MIDDLE SCREEN CONTENTS:
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab Ø
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO V
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% [100%]

Observer's Name: [signature] Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 19 / 09 **LOAD #:** 184

Times (24hrs): Start 2010 End 2152 Dump 2213

Location, Lat/Long: N 28° 55 . 540 W 95° 17 . 153

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: Cloudy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 5 **Wave Height:** 4-5' ft

Wind (speed & direction): SE 20-25 **AIR TEMP:** 71 °C (°F) = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.9 (C) °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

✓	Inflow screening:	None	25%	50%	75%	(100%)
✓	Overflow screening:	None	(25%)	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: 1 - FLOUNDER, WHELK SHELL, GRASS, WOOD, ROPE, PLASTIC, CLOTHING, AND TRASH.
MIDDLE SCREEN CONTENTS: ∅
AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ∅
Horseshoe crab ___
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: [signature] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/20/09 **LOAD #:** 185

Times (24hrs): Start 2235 End 0032 Dump 0050

Location, Lat/Long: N 28° 55.510 W 95° 17.155

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: CLOUDY - RAIN

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 4 **Wave Height:** 4-5 ft

Wind (speed & direction): SE ~ 15-20 **AIR TEMP:** 67 °C (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 70 °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

√ Inflow screening:	None	25%	50%	75%	(100%)
√ Overflow screening:	None	(25%)	50%	75%	100%
√ Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: ___

MIDDLE SCREEN CONTENTS: ___

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:

- Sturgeon (any species) ___
- Shark (any species) ___
- Horseshoe crab ___
- Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ___
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: ___ **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/20/09 **LOAD #:** 186

Times (24hrs): Start 0105 End 0926 Dump 0423

Location, Lat/Long: N 24 55.390 W 95 17.050

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: Mud, silt
Weather conditions: Thunderstorms w/ Lightning

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 4 **Wave Height:** 3-5 ft

Wind (speed & direction): SE 15-20 **AIR TEMP:** 65 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.6 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: grass, wood, clots, fishing line, netting, rocks

MIDDLE SCREEN CONTENTS: ___

AFT SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:

Sturgeon (any species)	0
Shark (any species)	
Horseshoe crab	
Blue crab	

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Terrance Todd **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11/20/07 LOAD #: 187

Times (24hrs): Start 0441 End 0559 Dump 0726

Location, Lat/Long: N 28 55.390 W 95 17.050

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: Mud, silt
Weather conditions: Thunderstorm to Showers

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 Wave Height: 2-4 ft

Wind (speed & direction): SE 15-20 AIR TEMP: 65 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.6 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	~~100%~~
X	Overflow screening:	None	~~25%~~	50%	75%	100%
X	Other screening:	None	25%	50%	75%	~~100%~~

FORWARD SCREEN CONTENTS: grass, wood, cloth, metal

MIDDLE SCREEN CONTENTS: ___

AFT SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab ___
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: Terran Todd Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 20 / 09 **LOAD #:** 188

Times (24hrs): Start 0754 End 0820 Dump 0846

Location, Lat/Long: N 28 55.460 W 95 17.140

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: mud, silt
Weather conditions: Showers w/ Thunderstorms

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3-4 **Wave Height:** 2-5 ft

Wind (speed & direction): SE 15-20 **AIR TEMP:** 65 °C/°F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.6 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE						
X	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: grass, wood, cloth, metal, fishing line, netting, wire, Christmas tree stand, PVC, Flounder, stingray, Guitarfish, Red Drum, Bivalves, gastropods
MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:

- Sturgeon (any species) 0
- Shark (any species) 0
- Horseshoe crab 0
- Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Terrance Todd **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 20 / 09 LOAD #: 189

Times (24hrs): Start 1052 End 1203 Dump 1237

Location, Lat/Long: N 28 56 .500 W 95 18 .220

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: Mud, Silt
Weather conditions: Overcast w/ Scattered Showers

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 Wave Height: 2-4 ft

Wind (speed & direction): SSE 10-15 AIR TEMP: 63.1 "C / "F ("F = 9/5 ("C) + 32; "C = 5/9 ("F - 32))

WATER TEMP: Surface 20.6 "C / "F Column (mid-depth) ___ "C / "F Bottom ___ "C / "F

SCREEN TYPE						
X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	None	(25%)	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: 1 - Redfish, Clothing, Net, Rope, Wood, Cones, and Trash.
MIDDLE SCREEN CONTENTS:
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab Ø
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Starting Stations 59 162 → 78 163

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's Name: [signature] Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 20 / 09 LOAD #: 190

Times (24hrs): Start 1328 End 1502 Dump 1609

Location, Lat/Long: N 28° 56.508 W 95° 18.289

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: Cloudy - Rain

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 5 Wave Height: 4-5 ft

Wind (speed & direction): SE 25 kts AIR TEMP: 67 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 70.4 (F) °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

V	Inflow screening:	None	25%	50%	75%	(100%)
V	Overflow screening:	None	(25%)	50%	75%	100%
V	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: GRASS, WOOD, CLOTHING, ROPE, AND TRASH.
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species) Ø
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's Name: [illegible] Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 20 / 09 LOAD #: 191

Times (24hrs): Start 1644 End 1810 Dump 1841

Location, Lat/Long: N 28° 56.456 W 95° 18.126

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: CLOUDY - RAIN

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 4 Wave Height: 4-5 ft

Wind (speed & direction): NE ~ 10-15 AIR TEMP: ___ °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.6 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE						
✓	Inflow screening:	None	25%	50%	75%	100%
✓	Overflow screening:	None	25%	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: GRASS, ROPE, CLOTHING, FISHING LINE, WOOD, AND TRASH.
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab Ø
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: [signature] Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 20 / 09 LOAD #: 192

Times (24hrs): Start 1907 End 2050 Dump 2120

Location, Lat/Long: N 28° 56.461 W 95° 18.180

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: CLOUDY - RAIN

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 5-6 Wave Height: 5-6 ft

Wind (speed & direction): ENE 25 KTS AIR TEMP: ___ °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.60 °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE						
V	Inflow screening:	None	25%	50%	75%	100%
V	Overflow screening:	None	25%	50%	75%	100%
V	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: ROPE, CLOTHING, GRASS, WOOD; PLASTIC, MUD, TRASH.
MIDDLE SCREEN CONTENTS: ↑
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) Ø
Horseshoe crab ___
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: [signature] Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/20/09 **LOAD #:** 193

Times (24hrs): Start 2148 End 2322 Dump 2349

Location, Lat/Long: N 28° 56.453 W 95° 18.135

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: Cloudy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) **Wave Height:** 5-6 ft

Wind (speed & direction): NE 25 kts **AIR TEMP:** ___ °C °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.60 °F Column (mid-depth) ___ °C °F Bottom ___ °C / °F

SCREEN TYPE

V	Inflow screening:	None	25%	50%	75%	100%
V	Overflow screening:	None	~~25%~~	50%	75%	100%
V	Other screening:	None	25%	50%	75%	~~100%~~

FORWARD SCREEN CONTENTS:

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS: 0

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Tom W Todd **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 21 / 09 **LOAD #:** 194

Times (24hrs): Start 0022 End 0203 Dump 0226

Location, Lat/Long: N 28 56.450 W 95 16.46

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: Mud, silt, clay
Weather conditions: Scattered showers

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 4 **Wave Height:** 2-4 ft

Wind (speed & direction): NE 15-20 **AIR TEMP:** 53 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.6 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	~~25%~~	50%	75%	100%
___	Other screening:	None	25%	50%	75%	~~100%~~

FORWARD SCREEN CONTENTS: grass, wood, cloth, plastic, misc Trash

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Tarran Told **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 21 / 09 **LOAD #:** 195

Times (24hrs): Start 0258 End 0442 Dump 0506

Location, Lat/Long: N 28 56 .450 W 95 18 .140

Condition of screening : Forward good Middle good Aft good Overflow 25

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: mud, silt, clay
Weather conditions: Scatter showers

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 5 **Wave Height:** 3-5 ft

Wind (speed & direction): NE 20-25 **AIR TEMP:** 50 °C/°F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.6 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: grass, wood, cloth, plastic, fishing line

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Terrance Cole **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 21 / 07 LOAD #: 196

Times (24hrs): Start 0515 End 0727 Dump 0755

Location, Lat/Long: N 28 56 .450 W 95 18 .140

Condition of screening : Forward good Middle good Aft good Overflow 25

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud, silt
Weather conditions: Overcast, rainy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 4 Wave Height: 2 - 4 ft

Wind (speed & direction): NE 20-25 AIR TEMP: 51 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.6 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE						
X	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: grass, wood, cloth, plastic, misc trash

MIDDLE SCREEN CONTENTS: ___

AFT SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:
- Sturgeon (any species) ___
- Shark (any species) ___
- Horseshoe crab ___
- Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: Terrence Tolo Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 21 / 09 LOAD #: 197

Times (24hrs): Start 0843 End 1027 Dump 1053

Location, Lat/Long: N 28 56 .450 W 95 18 .142

Condition of screening : Forward good Middle good Aft good Overflow 25

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: Mud, silt
Weather conditions: Overcast

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 4 Wave Height: 2-4 ft

Wind (speed & direction): NE 20-25 AIR TEMP: 52 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 70/6 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	None	(25%)	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: grass, wood, Telephone Pole, netting, Debris, Stingray, flounder, Snakeeel, fishing line, rope, wire, Moss Trash
MIDDLE SCREEN CONTENTS: ___
AFT SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab ___
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: Terran Tolo Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 21 / 09 **LOAD #:** 198

Times (24hrs): Start 1125 End 1312 Dump 1336

Location, Lat/Long: N 28° 56.456 W 95° 18.126

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 4' ft

Wind (speed & direction): NE ~5 -10 KTS **AIR TEMP:** 57 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.1 °C/°F Column (mid-depth) — °C/°F Bottom — °C/°F

SCREEN TYPE						
✓	Inflow screening:	None	25%	50%	75%	100%
✓	Overflow screening:	None	25%	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: WOOD, GRASS, PLASTIC, ROPE, CLOTHING, AND TRASH

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab Ø
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: [signature] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/21/09 **LOAD #:** 199

Times (24hrs): Start _____ End _____ Dump _____

Location, Lat/Long: N 28° 55.356 W 95° 16.948

Condition of screening: Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: Cloudy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 2' ft

Wind (speed & direction): NW ~15 kts **AIR TEMP:** 57 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.1 (C) / F Column (mid-depth) _____ °C / °F Bottom _____ °C / °F

SCREEN TYPE						
V	Inflow screening:	None	25%	50%	75%	(100%)
V	Overflow screening:	None	(25%)	50%	75%	100%
V	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: ROPE, CLOTHING, WOOD, FISHING LINE, NET, PLASTIC, METAL, AND TRASH.
MIDDLE SCREEN CONTENTS:
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species) _____
- Shark (any species) Ø
- Horseshoe crab _____
- Blue crab _____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: MOVED TO SECTION # 3

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Luis Tapia **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 20 / 09 LOAD #: 200

Times (24hrs): Start 1558 End 1729 Dump 1744

Location, Lat/Long: N 28° 55.742 W 95° 17.845

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 Wave Height: 3-4 ft SWELL

Wind (speed & direction): N w. 5-10 kts AIR TEMP: 57 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.1 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE						
V	Inflow screening:	None	25%	50%	75%	(100%)
V	Overflow screening:	None	(25%)	50%	75%	100%
V	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: 1- BLUE CRAB, CLOTHING, ROPE, GRASS, WOOD, CLOTHING, PLASTIC, FISHING LINE, AND TRASH.
MIDDLE SCREEN CONTENTS:
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species) Ø
Horseshoe crab
Blue crab 1

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: [signature] Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/21/09 **LOAD #:** 2061

Times (24hrs): Start 1804 End 1937 Dump 1954

Location, Lat/Long: N 28 55.212 W 95° 16.789

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 2-3 ft

Wind (speed & direction): NW 10 **AIR TEMP:** 57 °C (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 70.1 °C (F) °F Column (mid-depth) — °C °F Bottom — °C °F

SCREEN TYPE

√	Inflow screening:	None	25%	50%	75%	(100%)
√	Overflow screening:	None	(25%)	50%	75%	100%
√	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: WHELK SHELLS, ROPE, WOOD, GRASS, CLOTHING, FISHING LINE, AND TRASH.
MIDDLE SCREEN CONTENTS:
AFT SCREEN CONTENTS: (0)

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab (0)
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO √
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: [signature] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11/21/09 LOAD #: 202

Times (24hrs): Start 2011 End 2137 Dump 2153

Location, Lat/Long: N 28° 55.456 W 95° 17.077

Condition of screening: Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 Wave Height: 2-3 ft

Wind (speed & direction): NW ~5 KTS AIR TEMP: 56 °C (°F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.1 °C Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

✓	Inflow screening:	None	25%	50%	75%	(100%)
✓	Overflow screening:	None	(25%)	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: ROPE, WOOD, FISHING LINE, CLOTHING, NET, PLASTIC, AND TRASH.
MIDDLE SCREEN CONTENTS: ROPE, WOOD, FISHING LINE, CLOTHING, NET, PLASTIC, AND TRASH.
AFT SCREEN CONTENTS: ROPE, WOOD, FISHING LINE, CLOTHING, NET, PLASTIC, AND TRASH.

Estimate number entrained on this load for the following:
Sturgeon (any species) 0
Shark (any species) 0
Horseshoe crab 0
Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: [signature] Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/28/09 **LOAD #:** 203

Times (24hrs): Start 2211 End 0012 Dump 0028

Location, Lat/Long: N 28° 55.735 W 95° 17.357

Condition of screening : Forward ~~Good~~ Middle ~~Good~~ Aft ~~Good~~ Overflow ~~Good~~

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions:

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 2 ft

Wind (speed & direction): N ~10 KTS **AIR TEMP:** 56 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.1 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

√	Inflow screening:	None	25%	50%	75%	(100%)
√	Overflow screening:	None	(25%)	50%	75%	100%
√	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS:
AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% [100%]

Observer's Name: Terrance Todd **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 22 / 09 **LOAD #:** 204

Times (24hrs): Start 0042 End 0243 Dump 0255

Location, Lat/Long: N 28 55 .380 W 95 17 .130

Condition of screening : Forward good Middle good Aft good Overflow 25

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: Mud, s/l
Weather conditions: Cloudy & partly cloudy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 2-3 ft

Wind (speed & direction): NW 5-10 **AIR TEMP:** 55 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.1 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE						
X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	None	(25%)	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: grass, wood, plastic, cloth, fishing line, misc Trash

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: Terran Todd **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 22 / 09 **LOAD #:** 205

Times (24hrs): Start 0309 End 0458 Dump 0511

Location, Lat/Long: N 28 55.380 W 95 17.120

Condition of screening : Forward good Middle good Aft good Overflow 25

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: mud, silt
Weather conditions: Partly cloudy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 1-3 ft

Wind (speed & direction): NW <5 **AIR TEMP:** 50 °C/°F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.1 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE						
X	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: grass, wood, plastic, cloth, stingray.

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Teran Todd **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 22 / 09 **LOAD #:** 206

Times (24hrs): Start 0526 End 0635 Dump 0652

Location, Lat/Long: N 28 55 .380 W 95 17 130

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: Mud, silt, some clay
Weather conditions: clear skies,

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 1-2 ft

Wind (speed & direction): NW 15 **AIR TEMP:** 50 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20/1 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	None	(25%)	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: grass, wood, rope, plastic, cloth, netting, fish, Inv, Misc Trash
MIDDLE SCREEN CONTENTS: ___
AFT SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab ___
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Tim Todd **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 22 / 09 **LOAD #:** 207

Times (24hrs): Start 0711 End 0918 Dump 0937

Location, Lat/Long: N 28 55 .490 W 95 17 .320

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: Mud, silt, clay
Weather conditions: clear skies

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 0-2 ft

Wind (speed & direction): N 5 **AIR TEMP:** 59 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 20.1 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE						
X	Inflow screening:	None	25%	50%	75%	~~100%~~
X	Overflow screening:	None	~~25%~~	50%	75%	100%
X	Other screening:	None	25%	50%	75%	~~100%~~

FORWARD SCREEN CONTENTS: Clay, grass, wood, cloth, metal, catfish, stingray, rope, fishing line, netting; mixed trash
MIDDLE SCREEN CONTENTS: ___

AFT SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:
- Sturgeon (any species) ___
- Shark (any species) ___
- Horseshoe crab ___
- Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Terrence Todd **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 22 / 09 **LOAD #:** 208

Times (24hrs): Start 1007 End 1120 Dump 1157

Location, Lat/Long: N 28 56.510 W 95 18.250

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: Mud, silt & clay
Weather conditions: Clear skies, Calm

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 **Wave Height:** 0-1 ft

Wind (speed & direction): Variable < 5 **AIR TEMP:** 70 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 2011 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE						
X	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: WHELK SHELLS, ROPE, NET, CLOTHING, WOOD, GRASS, PLASTIC, AND TRASH
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab Ø
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Return Section 5

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: [signature] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 22 / 09 **LOAD #:** 209

Times (24hrs): Start 1206 End 1410 Dump 1436

Location, Lat/Long: N 28° 56 .544 W 95° 18 .344

Condition of screening : Forward Good Middle Good Aft Good Overflow Good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 **Wave Height:** 1 ft

Wind (speed & direction): SSE ~5 KTS **AIR TEMP:** 71 °C (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 19.6 (C) F Column (mid-depth) ___ °C °F Bottom ___ °C / F

SCREEN TYPE

✓	Inflow screening:	None	25%	50%	75%	(100%)
✓	Overflow screening:	None	(25%)	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: GRASS, WOOD, ROPE, CLOTHING, PLASTIC, AND TRASH
AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab 0
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: [signature] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 22 / 09 **LOAD #:** 210

Times (24hrs): Start 1505 End 1604 Dump 1628

Location, Lat/Long: N 28° 56.436 W 95° 18.107

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 **Wave Height:** 1 ft

Wind (speed & direction): S 5-10 KTS **AIR TEMP:** 74° °C (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 19.6 °C °F Column (mid-depth) ___ °C °F Bottom ___ °C °F

SCREEN TYPE						
√	Inflow screening:	None	25%	50%	75%	100%
√	Overflow screening:	None	25%	50%	75%	100%
√	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: GRASS, WOOD, CLOTHING, ROPE,
MIDDLE SCREEN CONTENTS: WOOD, FISHING LINE, NET,
PLASTIC, AND TRASH
AFT SCREEN CONTENTS: 0

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab 0
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO √
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: [illegible] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/22/09 **LOAD #:** 211

Times (24hrs): Start 1646 End 1953 Dump 1949

Location, Lat/Long: N 28° 55.415 W 95 17.005

Condition of screening : Forward ~~Good~~ Middle ~~Good~~ Aft ~~Good~~ Overflow ~~Good~~

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 **Wave Height:** 1 ft

Wind (speed & direction): LIGHT/VARIABLE **AIR TEMP:** 69 °C (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 19.6 (C) F Column (mid-depth) — °C °F Bottom ___ °C/°F

SCREEN TYPE

√	Inflow screening:	None	25%	50%	75%	~~100%~~
√	Overflow screening:	None	(25%)	50%	75%	100%
√	Other screening:	None	25%	50%	75%	~~100%~~

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: GRASS, WOOD, ROPE, NET, PLASTIC, FISHING LINE, AND TRASH.
AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab 0
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO √
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: SECTION # 3

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% ~~100%~~

Observer's Name: [signature] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 22 / 09 LOAD #: 212

Times (24hrs): Start 2009 End 2139 Dump 2155

Location, Lat/Long: N 28° 55.617 W 95° 17.222

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 Wave Height: 1 ft

Wind (speed & direction): SE ~ 5 KTS AIR TEMP: 62 °C (F) = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 19.6 °C °F Column (mid-depth) ___ °C °F Bottom ___ °C °F

SCREEN TYPE

✓	Inflow screening:	None	25%	50%	75%	100%
✓	Overflow screening:	None	25%	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: 1- FLOUNDER, WHELK SHELLS, GRASS ETC, WOOD, ROPE, FISHING LINE, CLOTHING, AND TRASH.
MIDDLE SCREEN CONTENTS: Ø
AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
Sturgeon (any species) Ø
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: [signature] Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/22/09 **LOAD #:** 213

Times (24hrs): Start 2213 End 0102 Dump 0118

Location, Lat/Long: N 28° 55.584 W 95° 17.190

Condition of screening : Forward Hood Middle Hood Aft Hood Overflow Hood

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: Clear

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 **Wave Height:** 1 ft

Wind (speed & direction): SE ~ 5 KTS **AIR TEMP:** 62 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 19.6 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

√	Inflow screening:	None	25%	50%	75%	(100%)
√	Overflow screening:	None	(25%)	50%	75%	100%
√	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS:

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: Terran Told **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 23 / 09 LOAD #: 214

Times (24hrs): Start 0136 End 0329 Dump 0340

Location, Lat/Long: N 28 55 .580 W 95 17 .190

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: Mud, silt
Weather conditions: clear

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 Wave Height: 1-2 ft

Wind (speed & direction): SE 15 AIR TEMP: 61 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 19.6 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: grass, wood, cloth, plastic, fish, crab

MIDDLE SCREEN CONTENTS: ___

AFT SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:
Sturgeon (any species) 0
Shark (any species) 0
Horseshoe crab 0
Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: Tommy Todd Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 10 / 23 / 09 LOAD #: 215

Times (24hrs): Start 0416 End 0549 Dump 0618

Location, Lat/Long: N 28 56 .530 W 95 18 .540

Condition of screening : Forward good Middle good Aft good Overflow good

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: Clay shales
Weather conditions: Mud, silt, clay

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 Wave Height: 0-2 ft

Wind (speed & direction): SE 5 AIR TEMP: 58 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18.6 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	None	(25%)	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: To Much Clay in Box, Could not Enter, wood, grass seen on outside of screen
MIDDLE SCREEN CONTENTS: ___
AFT SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab ___
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Moved to Section 5

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's Name: ___ Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11/23/09 LOAD #: 216

Times (24hrs): Start 0651 End 0901 Dump 0928

Location, Lat/Long: N 28 56 .290 W 95 18 .76

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: Mud, silt, clay
Weather conditions: clear skies

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 Wave Height: 0-1 ft

Wind (speed & direction): SE < 5 AIR TEMP: 61 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 19.5 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE						
X	Inflow screening:	None	25%	50%	75%	~~100%~~
X	Overflow screening:	None	~~25%~~	50%	75%	100%
___	Other screening:	None	25%	50%	75%	~~100%~~

FORWARD SCREEN CONTENTS: catfish, flounder, grass, wood, clay, netting, fishing rope, plastic, bag, misc trash
MIDDLE SCREEN CONTENTS: ___
AFT SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab ___
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: Terran Tolf Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 23 / 05 **LOAD #:** 217

Times (24hrs): Start 1004 End 1121 Dump 1157

Location, Lat/Long: N 28 53 .530 W 95 1K .5%

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 **Wave Height:** 1' ft

Wind (speed & direction): SE ~ 10 KTS **AIR TEMP:** 72 °C / (°F) = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 19.1 (C) °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

✓	Inflow screening:	None	25%	50%	75%	(100%)
✓	Overflow screening:	None	(25%)	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: GRASS, WOOD, CLOTHING, ROPE, NET, AND TRASH.
MIDDLE SCREEN CONTENTS:
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab Ø
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: MOVED TO STATIONS 78^{+63} TO 88^{+63} (SECTION 6)

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: CHRIS Fowler **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 23 / 09 **LOAD #:** 218

Times (24hrs): Start 1228 End 1340 Dump 1411

Location, Lat/Long: N 28° 56.515 W 95° 18.560

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 **Wave Height:** 1 ft

Wind (speed & direction): SE ~ 10 KT **AIR TEMP:** 83 °C (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 19.1 (C) F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

✓	Inflow screening:	None	25%	50%	75%	(100%)
✓	Overflow screening:	None	(25%)	50%	75%	100%
✓	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: GRASS, WOOD, ROPE, CLOTHING, FISHING LINE, PLASTIC, AND TRASH.
MIDDLE SCREEN CONTENTS: GRASS, WOOD, ROPE, CLOTHING, FISHING LINE, PLASTIC, AND TRASH.
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species) ___
- Shark (any species) Ø
- Horseshoe crab ___
- Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: [signature] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/23/09 **LOAD #:** 219

Times (24hrs): Start 1441 End 1622 Dump 1652

Location, Lat/Long: N 28° 56.545 W 95° 18.592

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 **Wave Height:** 1 ft

Wind (speed & direction): SE 5-10 **AIR TEMP:** 83 °C (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 19.1 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

√	Inflow screening:	None	25%	50%	75%	(100%)
√	Overflow screening:	None	(25%)	50%	75%	100%
√	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: GRASS, WOOD, ROPE, CLOTHING, FISHING LINE, PLASTIC, AND TRASH.
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab Ø
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO √
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: [signature] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/23/09 **LOAD #:** 220

Times (24hrs): Start 1724 End 1854 Dump 1925

Location, Lat/Long: N 28° 56.584 W 95° 18.492

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 **Wave Height:** 1 ft

Wind (speed & direction): SE ~ 5 KTS **AIR TEMP:** 68 °C (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 19.1 (C) °F Column (mid-depth) — °C / °F Bottom — °C / °F

SCREEN TYPE

N/A Inflow screening:	None	25%	50%	75%	(100%)
V Overflow screening:	None	(25%)	50%	75%	100%
V Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: GRASS, WOOD, TIRES, ROPE, FISHING LINE, CLOTHING, PLASTIC, NET, AND TRASH.
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab Ø
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: [signature] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 23 / 09 **LOAD #:** 221

Times (24hrs): Start 1955 End 2204 Dump 2235

Location, Lat/Long: N 28° 56.517 W 95° 18.521

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 **Wave Height:** 1 ft

Wind (speed & direction): SE 10 KTS **AIR TEMP:** 67 °C (F) = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 79.1 °C/F Column (mid-depth) ___ °C/F Bottom ___ °C/F

SCREEN TYPE

√ Inflow screening:	None	25%	50%	75%	(100%)
√ Overflow screening:	None	~~25%~~	50%	75%	100%
√ Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: GRASS, WOOD, ROPE, NET, PLASTIC, FISHING LINE, CLOTHING, WIRE, AND TRASH.
MIDDLE SCREEN CONTENTS: ∅
AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species)	
Shark (any species)	∅
Horseshoe crab	
Blue crab	

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO √
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: Luis Fonseca **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11/24/09 LOAD #: 222

Times (24hrs): Start 2308 End 0031 Dump 0100

Location, Lat/Long: N 28° 56.514 W 95° 18.474

Condition of screening : Forward HOOD Middle HOOD Aft HOOD Overflow HOOD

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 Wave Height: 1 ft

Wind (speed & direction): E ~ 10 KTS AIR TEMP: 63 °C (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 19.1 (C) °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

V	Inflow screening:	None	25%	50%	75%	(100%)
V	Overflow screening:	None	(25%)	50%	75%	100%
V	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS:

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO (X)
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's Name: Teran Todd Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 29 / 09 LOAD #: 223

Times (24hrs): Start 0130 End 0317 Dump 0344

Location, Lat/Long: N 28 56.520 W 95 18.50

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: Mud, silt, clay
Weather conditions: Overcast

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1-2 Wave Height: 0-2 ft

Wind (speed & direction): SE to E 10-15 AIR TEMP: 65 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 69 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	None	(25%)	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: grass, wood, plastic, cloth, fishing line

MIDDLE SCREEN CONTENTS: ___

AFT SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab 0
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: Terrance Tall Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 24 / 09 **LOAD #:** 224

Times (24hrs): Start 0412 End 0557 Dump 0625

Location, Lat/Long: N 28 56 .520 W 95 14 .520

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: Mud, silt, some clay
Weather conditions: Over cast w/ Thunderstorms

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 1 - 2 ft

Wind (speed & direction): E 10-15 **AIR TEMP:** 62 °C/°F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 19.1 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: grass, wood, cloth, plastic, fishing line, netting

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Terrance Todd **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/24/09 **LOAD #:** 225

Times (24hrs): Start 0701 End 0941 Dump 1012

Location, Lat/Long: N 28 56.800 W 95 14.360

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: Mud, silt Some clay
Weather conditions: Overcast w/ scattered showers, Thundering

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 1-2 ft

Wind (speed & direction): E 10-15 **AIR TEMP:** 62 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 19.1 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE						
X	Inflow screening:	None	25%	50%	75%	~~100%~~
X	Overflow screening:	None	~~25%~~	50%	75%	100%
X	Other screening:	None	25%	50%	75%	~~100%~~

FORWARD SCREEN CONTENTS: Mullet, grass, wood, cloth, plastic, Vinyl siding, Rubber, Tires, Roof shingles, Faucett, netting, fishing line, Misc Trash
MIDDLE SCREEN CONTENTS: ___

AFT SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:
Sturgeon (any species) 0
Shark (any species) ___
Horseshoe crab ___
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Terrance Tall **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 24 / 09 LOAD #: 226

Times (24hrs): Start 1046 End 1330 Dump 1358

Location, Lat/Long: N 28 56 .480 W 95 19 .215

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MW, silty clay
Weather conditions: Overcast w/ scattered showers

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 Wave Height: 1-2 ft

Wind (speed & direction): ~~E~~ E 10-15 AIR TEMP: 65.8 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 19.1 °C / °F Column (mid-depth) — °C / °F Bottom — °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	(100%)
X	Overflow screening:	None	(25%)	50%	75%	100%
X	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: GRASS, WOOD, CLOTHING, ROPE, NET, FISHING LINE, AND TRASH.
MIDDLE SCREEN CONTENTS:
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab Ø
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's Name: AIR Foyle Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 24 / 09 **LOAD #:** 227

Times (24hrs): Start 1428 End 1606 Dump 1633

Location, Lat/Long: N 28° 56 .450 W 95° 18 .090

Condition of screening : Forward Good Middle ~~Good~~ Aft ~~Good~~ Overflow ~~Good~~

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: Cloudy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 **Wave Height:** 1 ft

Wind (speed & direction): N ~ 15 KTS **AIR TEMP:** 63 °C / (°F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 19.4 (C) / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

√	Inflow screening:	None	25%	50%	75%	(100%)
√	Overflow screening:	None	(25%)	50%	75%	100%
√	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: GRASS, WOOD, ROPE, CLOTHING, PLASTIC, METAL, NET, FISHING LINE AND TRASH
MIDDLE SCREEN CONTENTS: GRASS, WOOD, ROPE, CLOTHING, PLASTIC, METAL, NET, FISHING LINE AND TRASH
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab Ø
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO √
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: [signature] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/24/09 **LOAD #:** 228

Times (24hrs): Start 1701 End 1950 Dump 2019

Location, Lat/Long: N 29° 56.520 W 95° 18.623

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 1 ft

Wind (speed & direction): NNE 5-10 **AIR TEMP:** 63 °C (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 19.4 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

√	Inflow screening:	None	25%	50%	75%	(100%)
√	Overflow screening:	None	(25%)	50%	75%	100%
√	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS: GRASS, WOOD, CLOTHING, ROPE, NET, FISHING LINE, PLASTIC, METAL, AND TRASH.
MIDDLE SCREEN CONTENTS:
AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species)	
Shark (any species)	
Horseshoe crab	Ø
Blue crab	

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO √
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: [signature] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11/24/09 **LOAD #:** 229

Times (24hrs): Start 2040 End 2351 Dump 0016

Location, Lat/Long: N 28° 55.326 W 95° 16.929

Condition of screening : Forward GOOD Middle GOOD Aft GOOD Overflow GOOD

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: MUD
Weather conditions: CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 2 ft

Wind (speed & direction): NNW ~ 15 KTS **AIR TEMP:** 59 °C / (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 19.4 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

V	Inflow screening:	None	25%	50%	75%	(100%)
V	Overflow screening:	None	(25%)	50%	75%	100%
V	Other screening:	None	25%	50%	75%	(100%)

FORWARD SCREEN CONTENTS:
MIDDLE SCREEN CONTENTS: GRABS, WOOD, ROPE, NET, CLOTHING, PLASTIC, AND TRASH.
AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ___
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: SECTION #3

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's Name: TOR Funge **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel USACE District: Galveston
Dredge Name: M/V Glenn Edwards Dredge Firm: Manson Construction

Date 11 / 25 / 09 LOAD #: 230

Times (24hrs): Start 0047 End 0219 Dump 0246

Location, Lat/Long: N 28 55 .450 W 95 18 .020

Condition of screening : Forward good Middle good Aft good Overflow good

Number of dragheads in use: 2 Type of dragheads used: Vosta Size of dragheads: 14'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: Mud, silt, clay
Weather conditions: clear & hazy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 Wave Height: 0 - 2 ft

Wind (speed & direction): nnw 15-20 AIR TEMP: 58 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 19.9 °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: grass, mud, rubber, plastic, clots

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: Terrance Tull Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 11 / 25 / 09 **LOAD #:** 231

Times (24hrs): Start 0316 End 0505 Dump 0531

Location, Lat/Long: N 28 56 .380 W 95 18 .140

Condition of screening : Forward good Middle good Aft good Overflow 25%

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: mud, silt, clay
Weather conditions: clear skies

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 1-3 ft

Wind (speed & direction): NNW 15-20 **AIR TEMP:** 58 °C/°F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 19.4 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	25%	50%	75%	100%
X	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: grass, wood, clay, plastic

MIDDLE SCREEN CONTENTS:

AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:

- Sturgeon (any species)
- Shark (any species)
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: Terrance Ford **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Freeport Harbor Channel **USACE District:** Galveston
Dredge Name: M/V Glenn Edwards **Dredge Firm:** Manson Construction

Date 9/1/09 **LOAD #:** 232

Times (24hrs): Start 0601 End ~~0842~~ 0809 Dump 0842

Location, Lat/Long: N 28 56 .290 W 95 18 .130

Condition of screening : Forward good Middle good Aft good Overflow good

Number of dragheads in use: 2 **Type of dragheads used:** Vosta **Size of dragheads:** 14'
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: mud, silty clay
Weather conditions: Clear skies, calm

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 1-2 ft

Wind (speed & direction): NNW 10-15 **AIR TEMP:** 62 °C / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 19C °C / °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	100%
X	Overflow screening:	None	~~25%~~	50%	75%	100%
X	Other screening:	None	25%	50%	75%	100%

FORWARD SCREEN CONTENTS: (1) flounder, wood, grass, plastic cloth, fishing line
MIDDLE SCREEN CONTENTS: ___
AFT SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:
- Sturgeon (any species) ___
- Shark (any species) ___
- Horseshoe crab ___
- Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Box clogged w/ clay starboard side

Number observers used/24hrs: 2 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer's Name: [signature] **Observer firm:** Coastwise Consulting Inc.