ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 1 **LOAD start date:** 11/[illegible] **Times (24hrs): Start** [illegible] **End** 1124

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** 100 %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: [illegible]

Weather conditions: [illegible]

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** [illegible]

AIR TEMP: [illegible] °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °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: [illegible] trash

STARBOARD SCREEN CONTENTS: N/A

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** none [illegible]
- **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: none

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

Observer's name: [illegible] **Observer firm** COASTWISE CONSULTING, INC

Observer signature [illegible]

Sightings: N/A

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 2 **LOAD start date:** 11/25 **Times (24hrs): Start** 12:08 **End** 13:10

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** 100 %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT, [redacted]

Weather conditions: PARTLY CLOUDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3 =) 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 **ft** **Wind (speed & direction):** 10-15 knots NW

AIR TEMP: 14 (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °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, PLASTIC, ALUMINUM, WOOD, ~~WELK~~, SKIMMER WELK, COCKLE & PEN SHELLS

~~STARBOARD SCREEN CONTENTS:~~ AREA DREDGED. BOUYS 8-14

Estimate number entrained on this load for the following:

Sturgeon (any species) ~~[illegible]~~ NONE SIGHTED
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.
Observer signature N. Z

Sightings: 1 Tursiops truncatus buoy # 10 ≈ 12:20

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R606 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 3 **LOAD start date:** 12/25/04 **Times (24hrs): Start** 13:30 **End** 14:30

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** 100 %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT

Weather conditions: PARTLY CLOUDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 **ft Wind (speed & direction):** NW 10-15 kts

AIR TEMP: 15°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18 °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17 °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~~ SKIMMER CONTENTS: WOOD, GRASS, MUD, PLASTIC, ALUMINUM, SHELL INCLUDING, WELK, PEN & BIVALVE - 1 SHRIMP ~~[illegible]~~ SP = Short-browed mudshrimp

~~STARBOARD SCREEN CONTENTS:~~ AREA DREDGED — Buoys 8-14

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE SIGHTED
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.
Observer signature N. Z

Sightings - N/A

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 4 **LOAD start date:** 11/25/04 **Times (24hrs): Start** 1445 **End** 1550

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** 100 %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? **YES** X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT

Weather conditions: PARTLY CLOUDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 **ft** **Wind (speed & direction):** NW 10-15 kts

AIR TEMP: 18°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °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~~ SKIMMER CONTENTS: WOOD, GRASS, MUD, ALUMINUM, FIBERGLASS, SHELL INCLUDING BIVALVE & PEN, PLASTIC

~~STARBOARD SCREEN CONTENTS:~~

AREA DREDGED: BOUYS 8-14

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE SIGHTED
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.
Observer signature N. Zy

Sightings - N/A

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 5 **LOAD start date:** 11/25/04 **Times (24hrs): Start** 1611 **End** 1714

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** 100 %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? **YES** X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud, silt

Weather conditions: PARTLY CLOUDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 0.5-1 ft **Wind (speed & direction):** N 10 kts

AIR TEMP: 15°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °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~~ SKIMMER CONTENTS: WOOD, MUD, PLASTIC ROPE, METAL GRASS

~~STARBOARD SCREEN CONTENTS:~~

AREA DREDGED : BOWYS 8-14

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE SIGHTED
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: Nickie Zawinsky **Observer firm** COASTWISE CONSULTING, Inc.

Observer signature N. Z

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 6 **LOAD start date:** 11/25/04 **Times (24hrs): Start** 1738 **End** 1827

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** 100 %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT

Weather conditions: PARTLY CLOUDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1/2-1 **ft** **Wind (speed & direction):** 8 kts N

AIR TEMP: 12°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °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~~ Skimmer CONTENTS: WOOD, PLASTIC, CLOTH, METAL, MUD

~~STARBOARD SCREEN CONTENTS:~~

AREA BEING DREDGED – BOUYS 8-14

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE SIGHTED

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

Observer signature [signature]

Sightings: 0

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 7 **LOAD start date:** 11/25/04 **Times (24hrs): Start** 1749 **End** 1940

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** 100 %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT

Weather conditions: PARTLY CLOUDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: .5-1 **ft** **Wind (speed & direction):** N 5-8 kts

AIR TEMP: 12°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C **°C/°F Column (mid-depth)** 17°C **°C/°F Bottom** 17°C **°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~~ SKIMMER CONTENTS: 1 Kelp Crab, MUD, CLOTH, ALUMINUM, WOOD VEGETATION.

~~STARBOARD SCREEN CONTENTS:~~

AREA BEING DREDGED BOUYS 8-14

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE SIGHTED
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.

Observer signature N. Z

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 8 **LOAD start date:** 11/25/04 **Times (24hrs): Start** 2002 **End** 2102

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** 100 %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT

Weather conditions: PARTLY CLOUDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2 =) 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: .5-1 **ft Wind (speed & direction):** N 8 kts

AIR TEMP: 11 °C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18 °C °C/°F **Column (mid-depth)** 17 °C °C/°F **Bottom** 17 °C °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~~ SKIMMER CONTENTS: MUD, PLASTIC, WOOD, VEGETATION, BIVALVE SHELLS

~~STARBOARD SCREEN CONTENTS:~~ -5

AREA DREDGED : Bouy's 8-14

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE SIGHTED
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: Nicki Zaumsley **Observer firm** COASTWISE CONSULTING, INC

Observer signature N. Z

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 9 **LOAD start date:** 11/25/04 **Times (24hrs): Start** 2115 **End** 2203

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** 100 %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT

Weather conditions: PARTLY CLOUDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: .5-1 **ft** **Wind (speed & direction):** N 5-7 kts

AIR TEMP: 12°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °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~~ SKIMMER CONTENTS: mud, PLASTIC, METAL, WOOD

~~STARBOARD SCREEN CONTENTS:~~

AREA BEING DREDGED BOUYS 8-14

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE SIGHTED
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

Observer signature N Zy

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 10 **LOAD start date:** 11/25/04 **Times (24hrs): Start** 2226 **End** 2315

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** 100 %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT

Weather conditions: PARTLY CLOUDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: .5-1 **ft** **Wind (speed & direction):** N 5 kts

AIR TEMP: 12 °C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18 °C °C/°F **Column (mid-depth)** 17 °C °C/°F **Bottom** 17 °C °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~~ SKIMMER CONTENTS: MUD, WOOD, PLASTIC, CLOTH, METAL PLANT MATERIAL

~~STARBOARD SCREEN CONTENTS~~: AREA DREDGED BOUYS 8-14

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE SIGHTED
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.

Observer signature N. Zy

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 11 **LOAD start date:** 11/25/04 **Times (24hrs): Start** ____ **End** ____

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** 100 %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT

Weather conditions: PARTLY CLOUDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1/2 **ft** **Wind (speed & direction):** ____

AIR TEMP: 12 **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18 **°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: [illegible]

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) None found

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: None

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

Observer's name: Cindy Frame **Observer firm** COASTWISE CONSULTING, INC.

Observer signature Cindy Frame

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: Manson

LOAD #: 12 **LOAD start date:** 11/26 **Times (24hrs): Start** 0054 **End** [illegible]

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** 100%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud silt

Weather conditions: _____

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** _____

AIR TEMP: 12 **(°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16 **(°C/°F Column (mid-depth)** 12 **(°C/°F Bottom** [illegible] **(°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: mud

STARBOARD SCREEN CONTENTS: N/A

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: none

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

Observer's name: Cindy Tranc **Observer firm** COASTWISE CONSULTING, INC

Observer signature Cindy Tranc

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/23/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 13 **LOAD start date:** 11/26 **Times (24hrs): Start** [illegible] **End** [illegible]

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** 100 %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: ____

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** ____

AIR TEMP: 18 (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18 (°C) °F **Column (mid-depth)** 17 (°C) °F **Bottom** 17 (°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: trash, wood, rope

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: [illegible] **Observer firm** COASTWISE CONSULTING, INC

Observer signature [illegible]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: Manson

LOAD #: 14 **LOAD start date:** 11/26/04 **Times (24hrs): Start** 0348 **End** 0452

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** 100 %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: partly cloudy

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: ____ **ft** **Wind (speed & direction):** ____

AIR TEMP: ____ °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18 (°C/°F) **Column (mid-depth)** 17 (°C/°F) **Bottom** 17 (°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: ____

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: Cindy Franz **Observer firm** COASTWISE CONSULTING, INC

Observer signature Cindy Franz

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 15 **LOAD start date:** 11/24/04 **Times (24hrs): Start** [illegible] **End** 01:09

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** 75 %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: _____

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	(5) = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 4-5 **ft Wind (speed & direction):** 30k

AIR TEMP: 17° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18° (°C) °F **Column (mid-depth)** 17° (°C) °F **Bottom** 17° (°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: At 06:30 the port skimmer/weir screen 25% was removed due to clogging.

STARBOARD SCREEN CONTENTS: _____

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** none found
- **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: Cindy Franz **Observer firm** COASTWISE CONSULTING, Inc

Observer signature Cindy Franz

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 16 **LOAD start date:** 11/26 **Times (24hrs): Start** 0700 **End** 0748

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** 75 %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: partly cloudy

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: ____ **ft** **Wind (speed & direction):** ____

AIR TEMP: 13° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18° (°C) °F **Column (mid-depth)** 17° (°C) °F **Bottom** 17° (°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: mud, trash, wood starfish, shell

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING, INC

Observer signature Cindy Franz

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 17 **LOAD start date:** 11/26 **Times (24hrs): Start** 0812 **End** 0907

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** 75 %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: mostly cloudy

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 5 **ft Wind (speed & direction):** ____

AIR TEMP: 13° (C) F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18° (C) F **Column (mid-depth)** 17° (C) F **Bottom** 17° (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: mud, weed, trash

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: TT 0846 2

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

Observer's name: Cindy Franz **Observer firm** COASTWISE CONSULTING, INC

Observer signature Cindy Franz

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 18 **LOAD start date:** 11/26 **Times (24hrs): Start** 0930 **End** 1020

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** 75 % ~~20~~ %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 7'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: partly cloudy

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 5 **ft Wind (speed & direction):** E

AIR TEMP: 14.5 (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18° (°C) °F **Column (mid-depth)** 17° (°C) °F **Bottom** 17° (°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: mud, wood, trash

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none sighted/found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING, Inc

Observer signature Cindy Franz

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 19 **LOAD start date:** 11/26 **Times (24hrs): Start** 1044 **End** 1132

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** 75% ~~100~~ %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT

Weather conditions: WINDY, PARTLY CLOUDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-3 **ft** **Wind (speed & direction):** E 15-20 kts

AIR TEMP: 14.5 (°C)/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °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:~~ SKIMMER MUD, PLASTIC, WOOD, TRASH

STARBOARD SCREEN CONTENTS: AREA DREDGED BOUYS 8-10

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE SIGHTED
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

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 20 **LOAD start date:** 11/24/04 **Times (24hrs): Start** 1150 **End** 1257

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** (75%) ~~75~~ %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT

Weather conditions: WINDY, INCREASING CLOUDS

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 3-4 **ft** **Wind (speed & direction):** E 15-20 kts

AIR TEMP: 15°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°F °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~~ SKIMMER CONTENTS: NET, ROPE, MUD, METAL, SHELL FRAGMENTS

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE SIGHTED
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: AREA DREDGED BOUYS 8-14

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

Observer's name: N. Zawinski **Observer firm** COASTWISE CONSULTING, Inc

Observer signature N. Z

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 21 **LOAD start date:** 11/26/04 **Times (24hrs): Start** 1311 **End** 1408

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** 75 %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT

Weather conditions: INCREASING CLOUDS

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 3-4 **ft** **Wind (speed & direction):** W 10-15 kts

AIR TEMP: 12°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °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~~ SKIMMER: NET, ROPE, WOOD, MUD, PLASTIC, METAL

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species)	NONE SIGHTED
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.

Observer signature N. Z

AREA BEING DREDGED: BOUYS 8-14

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 22 **LOAD start date:** 11/26/04 **Times (24hrs): Start** 1430 **End** 1536

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** 75% ~~100~~ %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD/SILT

Weather conditions: PARTLY CLOUDY W/ SUN COMING OUT

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-3 **ft** **Wind (speed & direction):** W 5-10 kts

AIR TEMP: 19 **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C **°C/°F** **Column (mid-depth)** 17°C **°C/°F** **Bottom** 17°C **°C/°F**

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

~~PORT SCREEN~~ SKIMMER CONTENTS: MUD, NET, ROPE, SHELL FRAGMENTS, LINE, WOOD

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** NONE FOUND
- **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.

Observer signature N. Zy

AREA BEING DREDGED: Buoys 8-14

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 23 **LOAD start date:** 11/26/04 **Times (24hrs): Start** 1555 **End** 1654

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** 75 %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT

Weather conditions: OVERCAST

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 ft **Wind (speed & direction):** W 5-10 kts

AIR TEMP: 19°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °C/°F

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

~~PORT SCREEN~~ SKIMMER CONTENTS: MUD, ROPE, WOOD, PLASTIC, ALUMINUM, NETTING, SHELL FRAGMENTS

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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.
Observer signature N. Z

AREA BEING DREDGED: Bouys 8-14

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 24 **LOAD start date:** 11/26/04 **Times (24hrs): Start** 1717 **End** 1807

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~100~~ %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT

Weather conditions: OVERCAST

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: .5-1 **ft** **Wind (speed & direction):** 15-20kts N

AIR TEMP: 18°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C **°C/°F** **Column (mid-depth)** 17°C **°C/°F** **Bottom** 17°C **°C/°F**

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

~~PORT SCREEN~~ SKIMMER CONTENTS: MUD, ROPE, PLASTIC, METAL, WOOD

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** NONE FOUND
- **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.

Observer signature N. Zy

AREA BEING DREDGED: BOWYS 8-14

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 25 **LOAD start date:** 11/26/04 **Times (24hrs): Start** 1828 **End** 1920

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** 75%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD/SILT

Weather conditions: OVERCAST

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 **ft** **Wind (speed & direction):** N 10-15 kts

AIR TEMP: 18 (°C)/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18 (°C)/°F **Column (mid-depth)** 17 (°C)/°F **Bottom** 17 (°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%

SKIMMER

SKIMMER ~~PORT SCREEN~~ **CONTENTS:** MUD, ROPE, NETTING, WOOD, PLASTIC, METAL, SHELL FRAGMENTS

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** NONE FOUND
- **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

Observer signature N. Zavinsky

AREA BEING DREDGED: Bouys 8-14

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 26 **LOAD start date:** 11/26/04 **Times (24hrs): Start** 1942 **End** 2033

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** 75 %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT

Weather conditions: OVERCAST

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-4 **ft Wind (speed & direction):** N 10-15 kts

AIR TEMP: 18°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C **°C/°F Column (mid-depth)** 17°C **°C/°F Bottom** 17°C **°C/°F**

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

~~PORT SCREEN~~ SKIMMER **CONTENTS:** ROPE, MUD, PLASTIC, NETTING, METAL, WOOD

STARBOARD SCREEN CONTENTS: _____

Estimate number entrained on this load for the following:

Sturgeon (any species)	NONE FOUND
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.

Observer signature N. Z

AREA BEING DREDGED: Buoys 8-14

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 27 **LOAD start date:** 11/26/04 **Times (24hrs): Start** 2055 **End** 2147

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** 75%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT

Weather conditions: OVERCAST

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-3 **ft** **Wind (speed & direction):** N 15-20 kts

AIR TEMP: 18°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °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~~ SKIMMER **CONTENTS:** MUD, ROPE, WOOD, PLASTIC

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species)	NONE FOUND
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. PAVINSKY **Observer firm** COASTWISE CONSULTING, INC.

Observer signature [signature]

AREA BEING DREDGED: BOUYS 8-14

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 28 **LOAD start date:** 11/26/04 **Times (24hrs): Start** 2209 **End** 2300

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** 75 % ~~100~~ %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT

Weather conditions: OVERCAST

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: ~~3~~ 3.4 ft **Wind (speed & direction):** 15-20 kts NW

AIR TEMP: 19°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °C/°F

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

SKIMMER ~~PORT SCREEN~~ **CONTENTS:** MUD, WOOD, PLASTIC, ROPE, NETTING, SHELL FRAGMENTS, ALUMINUM

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species)	NONE FOUND
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

Observer signature [signature]

AREA BEING DREDGED: Bouys 8-14

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 29 **LOAD start date:** 11/26/04 **Times (24hrs): Start** 2321 **End** 0035

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** ~~100%~~ 75%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT

Weather conditions: OVERCAST

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-4 **ft** **Wind (speed & direction):** NW 15-20kts

AIR TEMP: 20°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °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~~ SKIMMER CONTENTS: _____

STARBOARD SCREEN CONTENTS: mud, wood, trash

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING, INC.

Observer signature Cindy Franz

AREA BEING DREDGED: BOUY'S 8-14

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 30 **LOAD start date:** 11/27/04 **Times (24hrs): Start** 0056 **End** 0208

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ %

Number of dragheads in use: 2 **Type of dragheads used:** TOW DRAGHEAD MODIFIED CALIFORNIA SINGLE **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: mostly cloudy

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 4 ft **Wind (speed & direction):** _____

AIR TEMP: 20° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18° (°C) °F **Column (mid-depth)** 17° (°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~~ SKIMMER CONTENTS: _____

STARBOARD SCREEN CONTENTS: mud, wood, trash

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING, INC

Observer signature Cindy Franz

AREA BEING DREDGED:

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 31 **LOAD start date:** 11/27 **Times (24hrs): Start** 0229 **End** 0333

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~100~~ % 75%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: partly cloudy

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 4 **ft Wind (speed & direction):** _____

AIR TEMP: 20 (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18° (°C) °F **Column (mid-depth)** 17° (°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~~ SKIMMER **CONTENTS:** mud, wood, trash, rope

STARBOARD SCREEN CONTENTS: mud, wood, trash

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING, INC

Observer signature Cindy Franz

AREA BEING DREDGED:

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 32 **LOAD start date:** 11/27 **Times (24hrs): Start** 0354 **End** 0500

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~100~~ % 75%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: partly cloudy

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 4 **ft** **Wind (speed & direction):** _____

AIR TEMP: 30° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18° (°C) °F **Column (mid-depth)** 17° (°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~~ SKIMMER CONTENTS: mud, wood, trash

STARBOARD SCREEN CONTENTS: _____

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING, INC

Observer signature Cindy Franz

AREA BEING DREDGED:

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 33 **LOAD start date:** 11/27 **Times (24hrs): Start** 0527 **End** 0640

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** ~~100%~~ 75%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: mostly cloudy

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 4 **ft** **Wind (speed & direction):** _____

AIR TEMP: 20° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18° (°C) °F **Column (mid-depth)** 17° (°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~~ SKIMMER CONTENTS: _____

STARBOARD SCREEN CONTENTS: mud, wood, trash

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING, Inc

Observer signature Cindy Franz

AREA BEING DREDGED: same

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 34 **LOAD start date:** 11/27 **Times (24hrs): Start** 0704 **End** 0820

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ % 75%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: mostly cloudy

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 4-5 **ft Wind (speed & direction):** 14-17 kts

AIR TEMP: 20° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18° (°C) °F **Column (mid-depth)** 17° (°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~~ SKIMMER CONTENTS: mud, wood, trash, rope

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING, Inc.

Observer signature Cindy Franz

AREA BEING DREDGED: Bouys 8-12

Tt 3 dolphins 0723 near starboard bow

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 35 **LOAD start date:** 11/27 **Times (24hrs): Start** 0852 **End** 1015

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~100~~ % 75%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: 0900 rain began

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 4.5 **ft** **Wind (speed & direction):** 14-17 kts

AIR TEMP: 20° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18° (°C) °F **Column (mid-depth)** 17° (°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~~ SKIMMER CONTENTS: mud, rope, trash, wood

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING, Inc

Observer signature Cindy Franz

AREA BEING DREDGED: b/w buoys 8-12

Tt sighted off + on all morning, usually about 3 animals

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 36 **LOAD start date:** 11/27 **Times (24hrs): Start** 1040 **End** 1155

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ % 75%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: rain / CLEARING

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 3-4 **ft Wind (speed & direction):** NW 10-15 kts

AIR TEMP: 21°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °C/°F

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

~~PORT SCREEN~~ SKIMMER CONTENTS: MUD, ROPE, TRASH, WOOD, METAL

STARBOARD SCREEN CONTENTS: _____

Estimate number entrained on this load for the following:

Sturgeon (any species)	NONE FOUND
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: NICKIE ZAWINSKY **Observer firm** COASTWISE CONSULTING, Inc

Observer signature [signature]

AREA BEING DREDGED: Buoys 8-12

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 37 **LOAD start date:** 11/27/04 **Times (24hrs): Start** 1213 **End** 1337

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~100 %~~ 75%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD/SILT

Weather conditions: CLEARING → SUNNY & PARTLY CLOUDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 3-4 **ft** **Wind (speed & direction):** 10-15 kts NW

AIR TEMP: 21°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °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~~ SKIMMER **CONTENTS:** TRASH, WOOD, ROPE, MUD 1 - Atlantic Menhaden ≈ 7" long

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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.

Observer signature N. Zy

AREA BEING DREDGED: Bouys 8-14

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 38 **LOAD start date:** 11/27/04 **Times (24hrs): Start** 1356 **End** 1520

Condition of screening: Port 100% **Starboard** 100% **Overflow** 75%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT

Weather conditions: Sunny, sea laying down

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3 =) 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 **ft Wind (speed & direction):** NW 10-15 kts

AIR TEMP: 22°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °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**~~ SKIMMER **CONTENTS:** MUD, WOOD, PLASTIC, TRASH, METAL, ROPE NETTING.

STARBOARD SCREEN CONTENTS: _____

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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.
Observer signature N. Zj

AREA BEING DREDGED: Bouys 8-14

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 39 **LOAD start date:** 11/27/04 **Times (24hrs): Start** 1538 **End** 1718

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** ~~100%~~ 75%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT

Weather conditions: SUNNY, WARM

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3 =) 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2' **ft Wind (speed & direction):** 10-15 NW

AIR TEMP: 23°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °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~~ SKIMMER CONTENTS: MUD, TRASH, ROPE, NETTING, VEGETATION

STARBOARD SCREEN CONTENTS: _____

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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.
Observer signature N. Z

AREA BEING DREDGED: BOUYS 8-14

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: Manson

LOAD #: 40 **LOAD start date:** 11/27/04 **Times (24hrs): Start** 1737 **End** 1853

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ 75%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT

Weather conditions: CLEAR

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2' **ft Wind (speed & direction):** 20-25 kts WNW

AIR TEMP: 20°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °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**~~ SKIMMER **CONTENTS:** MUD, ROPE, ALUMINUM, TRASH, SHELL FRAGMENTS NETTING.

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE SIGHTED
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.
Observer signature N. Z

AREA BEING DREDGED: BOWYS 8-14

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 41 **LOAD start date:** 11/27/04 **Times (24hrs): Start** 1915 **End** 2032

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** ~~100%~~ 75%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT

Weather conditions: CLEAR w/ STRONG WIND

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 3-4 **ft** **Wind (speed & direction):** WNW 25-30kts

AIR TEMP: 17°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °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~~ SKIMMER CONTENTS: MUD, TRASH, WOOD, ROPE, PLASTIC

STARBOARD SCREEN CONTENTS: _____

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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.
Observer signature N. Z

AREA BEING DREDGED: Buoys 8-14

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 42 **LOAD start date:** 11/27/04 **Times (24hrs): Start** 2055 **End** 2212

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~100~~ % 75%

Number of dragheads in use: 2 **Type of dragheads used:** TOW DRAGHEAD MODIFIED CALIFORNIA SINGLE **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT

Weather conditions: CLEAR

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-3 **ft Wind (speed & direction):** WNW 10-15 kts

AIR TEMP: 16°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °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~~ SKIMMER CONTENTS: MUD, TRASH 'WOOD, PLASTIC

STARBOARD ~~SCREEN~~ DRAGHEAD CONTENTS: NETTING, CHAIN, 5 GAL. PLASTIC BUCKET

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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. ZAVINSKY **Observer firm** COASTWISE CONSULTING, INC.
Observer signature N. Zy

AREA BEING DREDGED: Bouys 8-12

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 43 **LOAD start date:** 11/27/04 **Times (24hrs): Start** 0000 **End** 0006

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~100 %~~ 75%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT

Weather conditions: CLEAR

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2' **ft Wind (speed & direction):** NW 10-15 k/s

AIR TEMP: 16°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C **°C/°F Column (mid-depth)** 17°C **°C/°F Bottom** 17°C **°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~~ SKIMMER CONTENTS: mud, trash, wood

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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. ZAVINSKY **Observer firm** COASTWISE CONSULTING, INC.

Observer signature N. Z

AREA BEING DREDGED: Bouys 8-12

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 44 **LOAD start date:** 11/28 **Times (24hrs): Start** 0027 **End** 0209

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~100~~ % 75%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: ____

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: ____ ft **Wind (speed & direction):** ____

AIR TEMP: 15° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18° (°C) °F **Column (mid-depth)** 17° (°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~~ SKIMMER CONTENTS: mud, wood, trash

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** none found
- **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: Cindy Franz **Observer firm** COASTWISE CONSULTING, Inc.

Observer signature Cindy Franz

AREA BEING DREDGED: buoys 8-12

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 45 **LOAD start date:** 11/28 **Times (24hrs): Start** 0229 **End** 0424

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~100 %~~ 75%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: _____

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: _____ **ft Wind (speed & direction):** _____

AIR TEMP: 13° °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18° °C/°F **Column (mid-depth)** 17° °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**~~ SKIMMER **CONTENTS:** mud, wood, trash

STARBOARD SCREEN CONTENTS: _____

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING, Inc

Observer signature Cindy Franz

AREA BEING DREDGED: buoys 8-12

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 46 **LOAD start date:** 11/28 **Times (24hrs): Start** 0440 **End** 0602

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~100~~ 75 %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: _____

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	(5) = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: _____ **ft** **Wind (speed & direction):** NE 20+ kts

AIR TEMP: 12° (C) F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18° (C) F **Column (mid-depth)** 17° (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~~ SKIMMER CONTENTS: mud, wood, trash

STARBOARD SCREEN CONTENTS: _____

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** none found
- **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: Cindy Franz **Observer firm** COASTWISE CONSULTING, Inc.

Observer signature Cindy Franz

AREA BEING DREDGED: buoys 8-12

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 47 **LOAD start date:** 11/28 **Times (24hrs): Start** 0627 **End** 0744

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** ~~100%~~ 75%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: clear

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	(5) = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: _____ **ft** **Wind (speed & direction):** NE 25 kts

AIR TEMP: 12° (°C)/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18° (°C)/°F **Column (mid-depth)** 17° (°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~~ SKIMMER CONTENTS: mud, wood, trash

STARBOARD SCREEN CONTENTS: _____

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

Shark (any species) _____

Horseshoe crab _____ 1 horseshoe crab in port box

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: Cindy Franz **Observer firm** COASTWISE CONSULTING, INC

Observer signature Cindy Franz

AREA BEING DREDGED: buoys 8-12

Break after load 47 for ship maintenance. Both boxes were cleared.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 48 **LOAD start date:** 11/28 **Times (24hrs): Start** 0924 **End** 1042

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ % 75%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: clear, sunny

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 4 **ft** **Wind (speed & direction):** NE ~~25kts gusting 30~~ 20kts

AIR TEMP: 18° (C)/F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18° (C)/F **Column (mid-depth)** 17° (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~~ SKIMMER CONTENTS: mud, wood, trash

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING, INC

Observer signature Cindy Franz

AREA BEING DREDGED: buoys 8-12

0922 ft 1 in the channel

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 49 **LOAD start date:** 11/28 **Times (24hrs): Start** 1105 **End** 1312

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** ~~100%~~ 75%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD/SILT

Weather conditions: Sunny

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 3-4 **ft Wind (speed & direction):** N 20-25 kts

AIR TEMP: 16°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °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~~ SKIMMER CONTENTS: MUD, ROPE, TRASH, NETTING WOOD, PLASTIC

STARBOARD SCREEN CONTENTS: PLASTIC, VEGETATION, WOOD

PORT " " " " "

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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

Observer signature N. Zy

AREA BEING DREDGED: Bouys 8-12

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 50 **LOAD start date:** 11/28/04 **Times (24hrs):** **Start** ~~1105~~ 1332 **End** 1508

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~100~~ % 75%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT

Weather conditions: CLEAR

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3 =) 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2' **ft** **Wind (speed & direction):** N 10-15 kts

AIR TEMP: 17°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °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%

SKIMMER ~~PORT SCREEN~~ **CONTENTS:** MUD, ROPE, PLASTIC, 1 UNIDENTIFIED FISH

STARBOARD SCREEN CONTENTS: 1 horseshoe crab, 1 live whelk, trash, wood, rope, net

PORT " " trash, wood, rope, net

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

Shark (any species) " "

Horseshoe crab one found in stbd box

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

Observer signature N. Z

AREA BEING DREDGED: Bouys 8-12

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 51 **LOAD start date:** 11/29/04 **Times (24hrs): Start** 1422 **End** 1625

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~100~~ % 75%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: _____

Weather conditions: E 12-14kts, Increasing Clouds

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-3 ft **Wind (speed & direction):** 10-15 kts E

AIR TEMP: 18°C °C/°F 0826 (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17° °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °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%

SKIMMER ~~PORT SCREEN~~ **CONTENTS:** Menhaden, TRASH, WOOD, MUD

STARBOARD SCREEN CONTENTS: TRASH, WOOD, VEGETATION

PORT " " TRASH, " "

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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 @ 1422 2-tursiops truncatus sighted aft of dredge stbd side @ 1517.

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

Observer's name: N. ZAVINSKY **Observer firm** COASTWISE CONSULTING, Inc.

Observer signature N. Z

AREA BEING DREDGED: Buoys 12-16 / Stations 800-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 52 **LOAD start date:** 11/29/04 **Times (24hrs): Start** 1644 **End** 1808

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~100~~ % 75%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT

Weather conditions: INCREASING CLOUDS

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft Wind (speed & direction):** E 10-15 kts

AIR TEMP: 20°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °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~~ SKIMMER CONTENTS: MUD, ROPE, TRASH, PLASTIC

STARBOARD SCREEN CONTENTS: VEGETATION, PLASTIC, CLOTH

PORT " " " " "

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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.

Observer signature N. Zy

AREA BEING DREDGED:

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 53 **LOAD start date:** 5/29/04 **Times (24hrs): Start** 1834 **End** 1949

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~100~~ % 75%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT

Weather conditions: OVERCAST

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft** **Wind (speed & direction):** 10-12 E kk

AIR TEMP: 19°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °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~~ SKIMMER CONTENTS: MUD, WOOD, TRASH

STARBOARD SCREEN CONTENTS: VEGETATION, PLASTIC, WOOD.

PORT " " " " "

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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.

Observer signature [signature]

AREA BEING DREDGED:

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 54 **LOAD start date:** 11/29/04 **Times (24hrs): Start** 2012 **End** 2126

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~100~~ % 75%

Number of dragheads in use: 2 **Type of dragheads used:** TOW DRAGHEAD MODIFIED CALIFORNIA SINGLE **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT

Weather conditions: OVERCAST

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 3-4 **ft** **Wind (speed & direction):** E 10-15 kts

AIR TEMP: 19°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °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**~~ SKIMMER **CONTENTS:** VEGETATION, PLASTIC, TRASH, WOOD

STARBOARD SCREEN CONTENTS: VEGETATION, PLASTIC, TRASH, WOOD

PORT " " " " " "

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. ZAWINSKI **Observer firm** COASTWISE CONSULTING, INC.

Observer signature [signature]

AREA BEING DREDGED: Buoys 12-16 Stations 800-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 55 **LOAD start date:** 11/29/04 **Times (24hrs): Start** 2150 **End** 2306

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** ~~100%~~ 75%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT

Weather conditions: OVERCAST / CLEARING

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3 =) 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-3 **ft Wind (speed & direction):** E 10-15 kts

AIR TEMP: 20°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °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~~ SKIMMER CONTENTS: mud, wood, vegetation trash

STARBOARD SCREEN CONTENTS: Trash, vegetation, plastic, wood, trash

Port " " " " " " "

Estimate number entrained on this load for the following:

Sturgeon (any species) None Found

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.

Observer signature N. Z

AREA BEING DREDGED: Bouys 12-16 Stations 8W-9W

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 56 **LOAD start date:** 11/29/04 **Times (24hrs): Start** 2332 **End** 0106

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~100~~ % 78%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: Mud/Silt

Weather conditions: OVERCAST / CLEARING

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** ____

AIR TEMP: 20°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °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%

SKIMMER ~~PORT SCREEN~~ **CONTENTS:** ____

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) none ~~[illegible]~~ found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING, INC.

Observer signature Cindy Franz

AREA BEING DREDGED: Bouys 12-16 Stations 8N-9N

DREDGE FIRM: Manson

LOAD #: 57 **LOAD start date:** 11-30 **Times (24hrs):** **Start** 0127 **End** 0302

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** 100 %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? **YES** X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: ___

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** 5-10 kts

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%
___	**Other screening:**	None	25%	50%	75%	100%

~~**PORT SCREEN**~~ SKIMMER **CONTENTS:** ___

STARBOARD SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING, Inc

Observer signature Cindy Franz

AREA BEING DREDGED:

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 58 **LOAD start date:** 11-30 **Times (24hrs): Start** 0323 **End** 0514

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** 100%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: light winds

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: _____ **ft** **Wind (speed & direction):** S 15 kts

AIR TEMP: 21° (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%

~~PORT SCREEN~~ SKIMMER **CONTENTS:**

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING

Observer signature Cindy Franz

AREA BEING DREDGED:

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 59 **LOAD start date:** 11-30 **Times (24hrs): Start** 0534 **End** 0647

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: partly cloudy

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: ____ ft **Wind (speed & direction):** S 15 kts

AIR TEMP: 21° (°C)/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18° °C/°F **Column (mid-depth)** 18° (°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~~ SKIMMER CONTENTS:

STARBOARD SCREEN CONTENTS: mud, wood, trash

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING

Observer signature Cindy Franz

AREA BEING DREDGED: 12-16 buoys

0630 TT 1

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: [illegible] **Maintenance** / **New Work** X **PROJECT start date** 11/25/04

PROJECT NAME: MGF PORTO HARBOR RAD SUPPORT; **DREDGE NAME:** BAYPORT

DREDGE FIRM: Manson

LOAD #: 60 **LOAD start date:** 11-30 **Times (24hrs):** Start 0713 End 0835

Condition of screening: Port 100 % Starboard 100 % Overflow ~~100~~ %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X NO ___ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: thin clouds, partly cloudy

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: ___ ft **Wind (speed & direction):** S 15 kts

AIR TEMP: 22° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18° (°C) °F Column (mid-depth) 18° (°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~~ SKIMMER CONTENTS: whelk

STARBOARD SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:

- Sturgeon (any species): none found
- Shark (any species): "
- Horseshoe crab: 1 h. crab in port box
- 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: Cindy Franz **Observer firm** COASTWISE CONSULTING, INC

Observer signature Cindy Franz

AREA BEING DREDGED: 12-16

0819 Tt 4-6

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 61 **LOAD start date:** 11-30 **Times (24hrs): Start** 0900 **End** 1016

Condition of screening: **Port** 100% **Starboard** 100% modified California Single **Overflow** 25% screen off

Number of dragheads in use: 2 **Type of dragheads used:** Tow Dragnet **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** good

Type of material dredged: mud

Weather conditions: S winds 15 kts

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft** **Wind (speed & direction):** ____

AIR TEMP: 22° (C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18° (C) °F **Column (mid-depth)** 18° (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: shell

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** Coastwise Consulting

Observer signature Cindy Franz

T+ 0922 2 port side

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 62 **LOAD start date:** 11-30 **Times (24hrs): Start** 1045 **End** 1248

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~100~~ 75 %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT

Weather conditions: INCREASING CLOUDS

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft** **Wind (speed & direction):** NW 10-15 kts

AIR TEMP: 23°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 18°C °C/°F **Bottom** 18°C °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~~ SKIMMER CONTENTS: TRASH, ROPE, NET, MUD, PLASTIC, WOOD

STARBOARD SCREEN CONTENTS: VEGETATION, NET, PLASTIC, WOOD

PORT " " " " " "

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

Shark (any species) " "

Horseshoe crab 1-horseshoe crab on port aft skimmer

Blue crab NONE FOUND

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

Observer signature N. Z

AREA BEING DREDGED: Buoys 12-16 Stations 800-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 63 **LOAD start date:** 11-30 **Times (24hrs): Start** 1308 **End** 1414

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~100~~ 75 %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD / SILT

Weather conditions: PARTLY CLOUDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft
			12 = >63 knot/45

Waves: 2 **ft** **Wind (speed & direction):** NW 10-15 kts

AIR TEMP: 22° (C) F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C / F **Column (mid-depth)** 18°C °C / F **Bottom** 18°C °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~~ SKIMMER CONTENTS: MUD TRASH. 1/4 OF SKIMMER REMOVED AFTER THIS LOAD DUE TO CLOGGING

STARBOARD SCREEN CONTENTS: TRASH, ROPE, VEGETATION, PEN SHELLS
PORT SCREEN — 1 Kelp crab, 1 horseshoe crab, 1 Seastar, 1 welk + TRASH, PLASTIC NET, ROPE, METAL

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
Shark (any species) " "
Horseshoe crab 1 FOUND IN PORT BAY
Blue crab None Found

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, I

Observer signature N. Zy

AREA BEING DREDGED: Buoys 12-16
~~TF 0922 2 parallel port~~ Station 800-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 64 **LOAD start date:** 11/30/04 **Times (24hrs): Start** 1444 **End** 1700

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** ~~100%~~ 50%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD/SILT

Weather conditions: OVERCAST w/ haze & FOG

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft Wind (speed & direction):** 10-15 kts NW

AIR TEMP: 22°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 18°C °C/°F **Bottom** 18°C °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**~~ SKIMMER **CONTENTS:** MUD, NET, TRASH, WOOD

STARBOARD SCREEN CONTENTS: VEGETATION, PLASTIC, TRASH, WOOD

PORT " " " " " "

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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: 1 - TT H/port @ 16:40

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

Observer's name: N. ZAWINSKY **Observer firm** COASTWISE CONSULTING, I

Observer signature N. Z

AREA BEING DREDGED: 12-16 buoys, stations 800-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 65 **LOAD start date:** 11/30/04 **Times (24hrs): Start** 1717 **End** 1830

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** ~~100%~~ 50%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD/SILT

Weather conditions: OVERCAST, LIGHTENING, RAIN

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-3 **ft Wind (speed & direction):** 15-20 kts NW

AIR TEMP: 21°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 18°C °C/°F **Bottom** 18°C °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~~ SKIMMER CONTENTS: MUD TRASH VEGETATIO

STARBOARD SCREEN CONTENTS: MUD TRASH VEGETATION

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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, I
Observer signature N. Zy

AREA BEING DREDGED: Buoys 12-16
Stations 800-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 66 **LOAD start date:** 11/30/04 **Times (24hrs): Start** 1849 **End** 1945

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** ~~100%~~ 30%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD/SILT

Weather conditions: HEAVY RAIN, wind NW 25-30kts

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	(5) = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 4-5 **ft** **Wind (speed & direction):** NW 25-30kts

AIR TEMP: 16°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 18°C °C/°F **Bottom** 18°C °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%

SKIMMER ~~PORT SCREEN~~ **CONTENTS:** MUD, TRASH, WOOD, VEGETATION

STARBOARD SCREEN CONTENTS: MUD, TRASH, VEGETATION

PORT " " " " "

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

Shark (any species) " "

Horseshoe crab 1- Horshoe stbd bux

Blue crab None FOUND

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, I

Observer signature N. Z

AREA BEING DREDGED:

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 67 **LOAD start date:** 11/30/04 **Times (24hrs): Start** 2005 **End** 2114

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~100~~ 50%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD / SILT

Weather conditions: RAIN / HIGH WINDS

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 4+ **ft** **Wind (speed & direction):** NW 20-25 kts

AIR TEMP: 14°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C **°C/°F** **Column (mid-depth)** 18°C **°C/°F** **Bottom** 18°C **°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~~ SKIMMER CONTENTS: MUD, TRASH, WOOD, VEGETATION

STARBOARD SCREEN CONTENTS: VEGETATION, PLASTIC, MUD, ROPE

PORT " " " " " METING

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE ~~FOUND~~ FOUND

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

Observer signature [signature]

AREA BEING DREDGED: Buoys 12-16
Stations 800-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 68 **LOAD start date:** 11/30/04 **Times (24hrs): Start** 2136 **End** 2247

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~80~~ % 50%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD/SILT

Weather conditions: OVERCAST, HIGH WINDS

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 4 **ft Wind (speed & direction):** NW 15-20 kts

AIR TEMP: 14°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 18°C °C/°F **Bottom** 18°C °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~~ SKIMMER CONTENTS: lwelk, mud, wood, trash

STARBOARD SCREEN CONTENTS: vegetation, wood, trash

Port " " " " "

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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, I

Observer signature N. Zy

AREA BEING DREDGED: Bouys 12-16
Stations 800-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 69 **LOAD start date:** 11/30/04 **Times (24hrs): Start** 2308 **End** 0036

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~100%~~ 50%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD/SILT

Weather conditions: STORMY, HEAVY WINDS

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 4 **ft Wind (speed & direction):** 25-30 kts N

AIR TEMP: 14°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 18°C °C/°F **Bottom** 18°C °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~~ SKIMMER CONTENTS:

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** _____

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, I

Observer signature _____

AREA BEING DREDGED: Bouys 12-16 Stations 800-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 70 **LOAD start date:** 12-1 **Times (24hrs): Start** 0054 **End** 0243

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~100~~ %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: _____

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	(5) = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: _____ **ft** **Wind (speed & direction):** _____

AIR TEMP: 13° (°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% 50% off
	Other screening:	None	25%	50%	75%	100%

~~PORT SCREEN~~ SKIMMER CONTENTS: _____

STARBOARD SCREEN CONTENTS: _____

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING, I

Observer signature Cindy Franz

AREA BEING DREDGED: buoys 12-16

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 71 **LOAD start date:** 12-1 **Times (24hrs): Start** 0258 **End** 0445

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~100~~ %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: ____

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	(5) = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 3-4 **ft** **Wind (speed & direction):** N 30kts

AIR TEMP: 13° (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% 50% off
____	**Other screening:**	None	25%	50%	75%	100%

~~**FRONT SCREEN**~~ SKIMMER **CONTENTS:** clam, whelks

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** none found
- **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: Cindy Franz **Observer firm** COASTWISE CONSULTING, I

Observer signature Cindy Franz

AREA BEING DREDGED:

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 72 **LOAD start date:** 12-1 **Times (24hrs): Start** 0500 **End** 0630

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~100~~ %

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: mostly cloudy

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	(5) = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 3-4 **ft** **Wind (speed & direction):** [redacted]-25 kts

AIR TEMP: 13° (°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% 50% off
____	**Other screening:**	None	25%	50%	75%	100%

~~PORT SCREEN~~ SKIMMER **CONTENTS:** wood, trash shell (clam + whelk)

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING, I

Observer signature Cindy Franz

AREA BEING DREDGED: buoys 12-16

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 73 **LOAD start date:** 12-1 **Times (24hrs): Start** 0822 **End** 0937

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~100~~ % 50% off

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: mostly cloudy

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	(5) = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 3-4 **ft** **Wind (speed & direction):** N 25-30 kts

AIR TEMP: 13° (°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% 50% off
___	**Other screening:**	None	25%	50%	75%	100%

~~PORT SCREEN~~ SKIMMER **CONTENTS:** trash, wood, shell (whelk, clam)

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING, I

Observer signature Cindy Franz

AREA BEING DREDGED: buoys 12-16

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 74 **LOAD start date:** 12-1 **Times (24hrs): Start** 1011 **End** 1123

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~100~~ % 50% off

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: N 12kts

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1.5 ft **ft Wind (speed & direction):** N 12kts

AIR TEMP: 10° (°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% 50% off
____	Other screening:	None	25%	50%	75%	100%

~~PORT SCREEN~~ SKIMMER **CONTENTS:**

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** none found
- **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: Cindy Franz **Observer firm** COASTWISE CONSULTING, I

Observer signature Cindy Franz

AREA BEING DREDGED: buoy 12-16

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 75 **LOAD start date:** 12-1 **Times (24hrs): Start** 1140 **End** 1319

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** ~~100%~~ 50% removal

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD / SILT

Weather conditions: 4 INCREASING CLOUDS

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 ft **Wind (speed & direction):** N 12-15 kts

AIR TEMP: 10°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 18°C °C/°F **Bottom** 18°C °C/°F

SCREEN TYPE

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

~~**POINT SCREEN**~~ SKIMMER **CONTENTS:** MUD, TRASH

STARBOARD SCREEN CONTENTS: LWELK, VEGETATION, TRASH, PLASTIC NET, FISHING FLOATS SHELL FRAGMENTS INCLUDING WELK, QUAHOG, PEN & MOONSNAIL - Pont screen - TRASH etc.

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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, I

Observer signature N. Zawinsky

AREA BEING DREDGED: Bouys 12-16 Stations 800-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 76 **LOAD start date:** 12-1-04 **Times (24hrs): Start** 1335 **End** 1502

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** 100%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD SILT

Weather conditions: PARTLY CLOUDY, WARM

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft Wind (speed & direction):** N 10-12 kts

AIR TEMP: 20°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 18°C °C/°F **Bottom** 18°C °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~~ SKIMMER CONTENTS: MUD, TRASH

STARBOARD SCREEN CONTENTS: TRASH, VEGETATION, WOOD, NET, ROPE, MUD METAL, OIL FILTER

PORT SCREEN — TRASH VEGETATION, WOOD, NET MUD

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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, I

Observer signature N. Zavinsky

AREA BEING DREDGED: Buoys 12-16
Stations 800-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 77 **LOAD start date:** 12-1-04 **Times (24hrs): Start** 1517 **End** 1702

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~100~~ % 50% removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD, SILT

Weather conditions: PARTLY CLOUDY, WARM

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2' **ft Wind (speed & direction):** N-10-12 kts

AIR TEMP: 21°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 18°C °C/°F **Bottom** 18°C °C/°F

SCREEN TYPE

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

~~POST-SCREEN~~ SKIMMER CONTENTS: MUD, TRASH, WOOD

STARBOARD SCREEN CONTENTS: VEGETATION, TRASH, SHELL FRAGMENTS

PORT " " " " " "

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. FANINSKY **Observer firm** COASTWISE CONSULTING, I

Observer signature [signature]

AREA BEING DREDGED: BOUYS 12-16 STATIONS 800-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 78 **LOAD start date:** 12/1/04 **Times (24hrs): Start** 1718 **End** 1835

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** ~~100%~~ 50% removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD/SILT

Weather conditions: PARTLY CLOUDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 **ft** **Wind (speed & direction):** 10-15 kts NW

AIR TEMP: 12°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 18°C °C/°F **Bottom** 18°C °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~~ SKIMMER CONTENTS: MUD, TRASH, WOOD

STARBOARD SCREEN CONTENTS: VEGETATION, TRASH SHELL FRAGMENTS

PORT " " " " " "

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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. ZAVINSKI **Observer firm** COASTWISE CONSULTING, I

Observer signature [signature]

AREA BEING DREDGED:

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 79 **LOAD start date:** 12/1/04 **Times (24hrs): Start** 1853 **End** 1953

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~100~~ % 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD/SILT

Weather conditions: PARTLY CLOUDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 ≤ 2 **ft** **Wind (speed & direction):** NW 10-15 kts

AIR TEMP: 18°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 18°C °C/°F **Bottom** 18°C °C/°F

SCREEN TYPE

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

~~**PORT SCREEN**~~ SKIMMER **CONTENTS:** MUD, TRASH, WOOD

STARBOARD SCREEN CONTENTS: VEGETATION, WOOD, TRASH

PORT " " " " "

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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. TANINSKY **Observer firm** COASTWISE CONSULTING, I

Observer signature [signature]

AREA BEING DREDGED:

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 80 **LOAD start date:** 12/1/04 **Times (24hrs): Start** 2042 **End** 2130

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~100~~ % 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD/SILT

Weather conditions: PARTLY CLOUDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 **ft** **Wind (speed & direction):** NE 20-25 kts

AIR TEMP: 12°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 18°C °C/°F **Bottom** 18°C °C/°F

SCREEN TYPE

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

~~PORT SCREEN~~ SKIMMER CONTENTS: MUD TRASH WOOD

STARBOARD SCREEN CONTENTS: VEGETATION, TRASH, WOOD, SHELL FRAGMENTS

PORT " " " " " " "

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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, I

Observer signature N. Z

AREA BEING DREDGED:

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 81 **LOAD start date:** 12/1/04 **Times (24hrs): Start** 2148 **End** 2311

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** 100%

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD/SILT

Weather conditions: PARTLY CLOUDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-3 **ft Wind (speed & direction):** NW 15-20 kts

AIR TEMP: 12°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 18°C °C/°F **Bottom** 18°C °C/°F

SCREEN TYPE

X	**Inflow screening:**	None	25%	50%	75%	100%
X	**Overflow screening:**	None	25%	50%	75%	100% — 50% Removed
____	**Other screening:**	None	25%	50%	75%	100%

~~PORT SCREEN~~ SKIMMER CONTENTS: MUD, TRASH, WOOD

STARBOARD SCREEN CONTENTS: VEGETATION, TRASH, WOOD, ROPE

PORT " " " " " " NETTING

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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: Nickie Zawinsky **Observer firm** COASTWISE CONSULTING, INC

Observer signature [signature]

AREA BEING DREDGED: Bouys 12-16
Stations 8N - 9N

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 82 **LOAD start date:** 12/1/04 **Times (24hrs): Start** 2328 **End** 0110

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** ~~100%~~ 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD/SILT

Weather conditions: PARTLY CLOUDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-3 **ft Wind (speed & direction):** NW 15-20kts

AIR TEMP: 12°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18°C °C/°F **Column (mid-depth)** 18°C °C/°F **Bottom** 18°C °C/°F

SCREEN TYPE

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

~~PORT SCREEN~~ SKIMMER **CONTENTS:** MUD, TRASH, WOOD

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING, Inc.

Observer signature Cindy Franz

AREA BEING DREDGED: Buoys 12-16
Stations 800-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 83 **LOAD start date:** 12-2 **Times (24hrs): Start** 0127 **End** 0257

Condition of screening: Port 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT.

Type of material dredged: mud

Weather conditions: ____

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: ____ **ft Wind (speed & direction):** ____

AIR TEMP: 11° (°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% → 50% Removed
____	**Other screening:**	None	25%	50%	75%	100%

~~PORT SCREEN~~ SKIMMER CONTENTS: 1 skate - stbd box

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** None found
- **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: Cindy Franz **Observer firm** COASTWISE CONSULTING, I

Observer signature Cindy Franz

AREA BEING DREDGED: buoys 12-16

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-A006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 84 **LOAD start date:** 12-2 **Times (24hrs): Start** 0317 **End** 0453

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT.

Type of material dredged: mud

Weather conditions: _____

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** A

AIR TEMP: 110 (°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% → 50% Removed
	Other screening:	None	25%	50%	75%	100%

~~PORT SCREEN~~ SKIMMER **CONTENTS:** _____

STARBOARD SCREEN CONTENTS: _____

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING, I

Observer signature Cindy Franz

AREA BEING DREDGED: buoys 12-16

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 85 **LOAD start date:** 12-2 **Times (24hrs): Start** 0509 **End** 0630

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT.

Type of material dredged: mud

Weather conditions: 100% cloudy

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** N 10 mph

AIR TEMP: 13° (C) F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17.5 (°C) F **Column (mid-depth)** 17° (C) F **Bottom** ____ °C F

SCREEN TYPE

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

~~PORT SCREEN~~ SKIMMER **CONTENTS:** wood, clams, trash

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** none found
- **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: Cindy Franz **Observer firm** COASTWISE CONSULTING, I

Observer signature Cindy Franz

AREA BEING DREDGED: buoys 12-16

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 816 **LOAD start date:** 12-9 **Times (24hrs): Start** 0651 **End** 0818

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT.

Type of material dredged: mud

Weather conditions: 100% cloudy

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** N 10 mph

AIR TEMP: ~~13°~~ 14° (C) F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17.5 (C) F **Column (mid-depth)** 17° (C) F **Bottom** ____ °C F

SCREEN TYPE

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

~~**PORT SCREEN**~~ SKIMMER **CONTENTS:** shell

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING, I

Observer signature Cindy Franz

AREA BEING DREDGED: buoys 12-16

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 87 **LOAD start date:** 12-2 **Times (24hrs): Start** 0841 **End** 0958

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** ~~[illegible]~~ 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT.

Type of material dredged: mud

Weather conditions: 100% cloudy

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** N 10mph

AIR TEMP: 14.5 (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17.5° (°C) °F **Column (mid-depth)** 17.5° (°C) °F **Bottom** ____ °C °F

SCREEN TYPE

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

~~PORT SCREEN~~ SKIMMER CONTENTS: shell

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING, I

Observer signature Cindy Franz

AREA BEING DREDGED: buoys 12-16

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 88 **LOAD start date:** 12-2 **Times (24hrs): Start** 1017 **End** 1145

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT.

Type of material dredged: mud

Weather conditions: 100% cloudy

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1/2 ft **ft** **Wind (speed & direction):** 5 mph

AIR TEMP: 14.5° (C) F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17.5° (C) F **Column (mid-depth)** 17.5° (C) F **Bottom** 17.5°C °C F

SCREEN TYPE

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

~~PORT SCREEN~~ SKIMMER **CONTENTS:** MUD TRASH, SHELL

STARBOARD SCREEN CONTENTS: TRASH, TIRE, VEGETATION, WOOD, SHELL

PORT " " " VEGETATION, WOOD, SHELL

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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, I

Observer signature N. Zy

AREA BEING DREDGED:

TE 1105 2

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 89 **LOAD start date:** 12/2/04 **Times (24hrs): Start** 1201 **End** 1343

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT.

Type of material dredged: mud/silt

Weather conditions: OVERCAST, CALM

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: .5-1 ft **Wind (speed & direction):** N5 kts

AIR TEMP: 16°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17.5°C °C/°F **Column (mid-depth)** 17.5°C °C/°F **Bottom** 17.5°C °C/°F

SCREEN TYPE

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

SKIMMER ~~PORT SCREEN~~ **CONTENTS:** MUD, TRASH, SHELL FRAGMENTS

STARBOARD SCREEN CONTENTS: VEGETATION, TRASH, SHELL FRAGMENTS
PORT " " " " " "

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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: 3 Ft. Aft of dredge STBD side @ 1316 by Bouy #13

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

Observer's name: N. ZAVINSKY **Observer firm** COASTWISE CONSULTING, I

Observer signature N. Zavinsky

AREA BEING DREDGED: BOUYS 12-16
Stations 800-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-A006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 90 **LOAD start date:** 12/2/04 **Times (24hrs): Start** 1358 **End** 1534

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ 50% Removed

MODIFIED CALIFORNIA SINGLE

Number of dragheads in use: 2 **Type of dragheads used:** TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT.

Type of material dredged: mud / silt

Weather conditions: OVERCAST CALM

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: .5-1 ft **Wind (speed & direction):** N 5kts

AIR TEMP: 15°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17.5°C °C/°F **Column (mid-depth)** 17.5°C °C/°F **Bottom** 17.5°C °C/°F

SCREEN TYPE

X	**Inflow screening:**	None	25%	50%	75%	100%
X	**Overflow screening:**	None	25%	50%	75%	100% → 50% Removed
____	**Other screening:**	None	25%	50%	75%	100%

SKIMMER ~~PORT SCREEN~~ **CONTENTS:** MUD, TRASH

STARBOARD SCREEN CONTENTS: MUD, TRASH, SHELL FRAGMENTS, VEGETATION

PORT " " " " " " "

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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. ZANINSKY **Observer firm** COASTWISE CONSULTING, I

Observer signature N. Z

AREA BEING DREDGED: Buoys 12-16 Stations 800-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W912BP-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 91 **LOAD start date:** 12/2/04 **Times (24hrs): Start** 1551 **End** 17 20

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT.

Type of material dredged: mud/silt

Weather conditions: OVERCAST, CALM

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: .5 - 1 **ft** **Wind (speed & direction):** N 5-10 kts

AIR TEMP: 14°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17.5°C °C/°F **Column (mid-depth)** 17.5°C °C/°F **Bottom** 17.5°C °C/°F

SCREEN TYPE

X	**Inflow screening:**	None	25%	50%	75%	100%
X	**Overflow screening:**	None	25%	50%	75%	100% → 50% Removed
____	**Other screening:**	None	25%	50%	75%	100%

~~PORT SCREEN~~ SKIMMER CONTENTS: MUD / TRASH / SHELL

STARBOARD SCREEN CONTENTS: VEGETATION, TRASH, SHELL

PORT " " " " "

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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. Zarnsky **Observer firm** COASTWISE CONSULTING, I

Observer signature N. Zy

AREA BEING DREDGED: Bouys 12-16 Stations 800-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 92 **LOAD start date:** 12/2/04 **Times (24hrs): Start** 1736 **End** 1852

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** ~~[illegible]~~ 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT.

Type of material dredged: mud/silt

Weather conditions: Calm partly cloudy

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: .5-1 ft **Wind (speed & direction):** N 5-10kts

AIR TEMP: 14°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17.5°C °C/°F **Column (mid-depth)** 17.5°C °C/°F **Bottom** 17.5°C °C/°F

SCREEN TYPE

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

SKIMMER ~~PORT SCREEN~~ **CONTENTS:** MUD, TRASH

STARBOARD SCREEN CONTENTS: VEGETATION, TRASH, SHELL

PORT " " " " "

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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, I

Observer signature N. Zy

AREA BEING DREDGED: BWYS 12-16

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W912P8-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 93 **LOAD start date:** 12/2/04 **Times (24hrs): Start** 1912 **End** 2028

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** ~~[illegible]~~ 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT.

Type of material dredged: mud

Weather conditions: PARTLY CLOUDY — CALM

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: .5-1 **ft** **Wind (speed & direction):** N 5-10kts

AIR TEMP: 13°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17.5°C °C/°F **Column (mid-depth)** 17.5°C °C/°F **Bottom** 17.5°C °C/°F

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

~~PORT SCREEN~~ SKIMMER **CONTENTS:** MUD, TRASH, SHELL

STARBOARD SCREEN CONTENTS: VEGETATION, TRASH, NETTING, SHELL

PORT " " " " " , ROPE, SHELL

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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, I

Observer signature N. Zavinsky

AREA BEING DREDGED: Buoys 12-16
Stations 800-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 94 **LOAD start date:** 12/02/04 **Times (24hrs): Start** 2045 **End** 2202

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** TOW DRAGHEAD MODIFIED CALIFORNIA SINGLE **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT.

Type of material dredged: mud

Weather conditions: PARTLY CLOUDY - CALM

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: .5-1ft **Wind (speed & direction):** ____

AIR TEMP: 13°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17.5°C °C/°F **Column (mid-depth)** 17.5°C °C/°F **Bottom** 17.5°C °C/°F

SCREEN TYPE

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

~~PORT SCREEN~~ SKIMMER CONTENTS: MUD, TRASH, WOOD

STARBOARD SCREEN CONTENTS: TRASH, VEGETATION, SHELL

PORT " " " " "

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** NONE FOUND
- **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. ZAVINSKY **Observer firm** COASTWISE CONSULTING, I

Observer signature N. Zy

AREA BEING DREDGED: Buoys 12-16
STATIONS 800-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 95 **LOAD start date:** 12/02/04 **Times (24hrs):** Start 2221 End 2345

Condition of screening: Port 100% Starboard 100% Overflow 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X NO ___ **Condition of deflector:** EXCELLENT.

Type of material dredged: mud

Weather conditions: CALM, partly cloudy

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: .5-1 ft **Wind (speed & direction):** NW 10-15 kts

AIR TEMP: 13° (°C)/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17.5 °C/°F Column (mid-depth) 17.5 °C/°F Bottom 17.5 °C/°F

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

SKIMMER ~~PORT SCREEN~~ CONTENTS: MUD, TRASH

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

- Sturgeon (any species) none found
- 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. ZAVINSKY **Observer firm** COASTWISE CONSULTING, I

Observer signature N. Zav

AREA BEING DREDGED: buoy 12-16

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 96 **LOAD start date:** 12-3 **Times (24hrs): Start** 0000 **End** 0128

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT.

Type of material dredged: mud

Weather conditions: _____

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: _____ **ft** **Wind (speed & direction):** NE 10-15 mph

AIR TEMP: 130 **°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% → 50% Removed
___	**Other screening:**	None	25%	50%	75%	100%

~~PORT SCREEN~~ SKIMMER CONTENTS: _____

STARBOARD SCREEN CONTENTS: _____

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING, I

Observer signature Cindy Franz

AREA BEING DREDGED: buoy 12-16

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 97 **LOAD start date:** 12-3 **Times (24hrs): Start** 0147 **End** 0327

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** ~~[illegible]~~ 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT.

Type of material dredged: mud

Weather conditions: _____

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: _____ **ft** **Wind (speed & direction):** winds NE 10-13 mph

AIR TEMP: 13° (C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17° (C) °F **Column (mid-depth)** 17° (C) °F **Bottom** _____ °C/°F

SCREEN TYPE

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

~~PORT SCREEN~~ SKIMMER CONTENTS: _____

STARBOARD SCREEN CONTENTS: _____

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING, I

Observer signature Cindy Franz

AREA BEING DREDGED: buoys 12-16

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 98 **LOAD start date:** 12-3 **Times (24hrs): Start** 0345 **End** 0514

Condition of screening: Port 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT.

Type of material dredged: mud

Weather conditions: partly cloudy

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft Wind (speed & direction):** 10-13 mph NE

AIR TEMP: 13° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17° (°C) °F **Column (mid-depth)** 17° (°C) °F **Bottom** ____ °C / °F

SCREEN TYPE

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

~~PORT SCREEN~~ SKIMMER **CONTENTS:** trash clam

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING, I

Observer signature Cindy Franz

AREA BEING DREDGED: buoy 12-16

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W912BP-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 99 **LOAD start date:** 12-3 **Times (24hrs): Start** 0531 **End** 0708

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** ~~[illegible]~~ 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT.

Type of material dredged: mud

Weather conditions: few clouds

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** NE 10-15 mph

AIR TEMP: 13° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17° (°C) °F **Column (mid-depth)** 17° (°C) °F **Bottom** ____ °C / °F

SCREEN TYPE

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

~~**BODY SCREEN**~~ SKIMMER **CONTENTS:** clam, pen shell

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING, I

Observer signature Cindy Franz

AREA BEING DREDGED: buoys 12-16

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 100 **LOAD start date:** 12-3 **Times (24hrs): Start** 0734 **End** 0859

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT.

Type of material dredged: mud

Weather conditions: mostly cloudy

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: _____ ft **Wind (speed & direction):** NE 20 mph

AIR TEMP: 13° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17° (°C) °F **Column (mid-depth)** 17° (°C) °F **Bottom** _____ °C °F

SCREEN TYPE

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

SKIMMER ~~PORT SCREEN~~ **CONTENTS:** clam

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING, I

Observer signature Cindy Franz

AREA BEING DREDGED: buoy 12-16

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 101 **LOAD start date:** 12-3 **Times (24hrs): Start** 0920 **End** 1054

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ 50% Removed

MODIFIED CALIFORNIA SINGLE

Number of dragheads in use: 2 **Type of dragheads used:** TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT.

Type of material dredged: mud

Weather conditions: ____

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: ____ **ft** **Wind (speed & direction):** ____

AIR TEMP: 12° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17° (°C) °F **Column (mid-depth)** 17° (°C) °F **Bottom** ____ °C °F

SCREEN TYPE

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

~~PORT SCREEN~~ SKIMMER **CONTENTS:** whelk

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** none found
- **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: Cindy Franz **Observer firm** COASTWISE CONSULTING, I

Observer signature Cindy Franz

AREA BEING DREDGED: buoy 1246

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R005 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 102 **LOAD start date:** 12/03/04 **Times (24hrs): Start** 1117 **End** 1248

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT.

Type of material dredged: mud

Weather conditions: CALM w/ INCREASING CLOUDS

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: .5-1 **ft Wind (speed & direction):** NNW 5-10 kts

AIR TEMP: 12°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C **°C/°F Column (mid-depth)** 17°C **°C/°F Bottom** 17°C **°C/°F**

SCREEN TYPE

X	**Inflow screening:**	None	25%	50%	75%	100%
X	**Overflow screening:**	None	25%	50%	75%	100% → 50% Removed
____	**Other screening:**	None	25%	50%	75%	100%

~~PORT SCREEN~~ SKIMMER CONTENTS: MUD, TRASH

STARBOARD SCREEN CONTENTS: TRASH, ROPE, NET, VEGETATION, WOOD, SHELL FRAG.

PORT " " VEGETATION, TRASH, SHELL FRAGMENTS

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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, I.
Observer signature N. Zy

AREA BEING DREDGED: Bouys 12-16
Stations 800-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W912PP-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 103 **LOAD start date:** 12/03/04 **Times (24hrs): Start** 1406 **End** 1533

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT.

Type of material dredged: mud

Weather conditions: CALM, PARTLY CLOUDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3 = 7-10 knot/ 2 ft)	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 **ft Wind (speed & direction):** 10-15 kts NW

AIR TEMP: 13 °C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17 °C °C/°F **Column (mid-depth)** 17 °C °C/°F **Bottom** 17 °C °C/°F

SCREEN TYPE

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

~~**PORT SCREEN**~~ SKIMMER **CONTENTS:** MUD, TRASH, VEGETATION

STARBOARD SCREEN CONTENTS: VEGETATION, ROPE, TRASH, SHELL FRAGMENTS
PORT " " " TRASH, SHELL FRAGMENTS, NET

Estimate number entrained on this load for the following:

Sturgeon (any species)	NONE FOUND
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, I

Observer signature N. Z

AREA BEING DREDGED: Buoys 12-16
Stations 800-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W912P8-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 104 **LOAD start date:** 12/03/04 **Times (24hrs): Start** 1547 **End** 1705

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: mud/silt

Weather conditions: increasing clouds, calm

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2 =) 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: .5-1 ft **Wind (speed & direction):** NW 5-7 Kts

AIR TEMP: 14°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °C/°F

SCREEN TYPE

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

~~PORT SCREEN~~ SKIMMER **CONTENTS:** MUD, TRASH, VEGETATION

STARBOARD SCREEN CONTENTS: VEGETATION, TRASH

PORT " " " " NETTING

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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, I

Observer signature N. Z

AREA BEING DREDGED: Buoys 12-16
Stations 800-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 105 **LOAD start date:** 12/03/04 **Times (24hrs): Start** 1718 **End** 1856

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: mud/silt

Weather conditions: OVERCAST, CALM

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: .5-2 **ft** **Wind (speed & direction):** NW 5-7 kt

AIR TEMP: 14°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C **°C/°F Column (mid-depth)** 17°C **°C/°F Bottom** 17°C **°C/°F**

SCREEN TYPE

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

~~PORT SCREEN~~ SKIMMER CONTENTS: MUD, TRASH, VEGETATION

STARBOARD SCREEN CONTENTS: TRASH, VEGETATION

PORT " " " "

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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, I

Observer signature N. Zy

AREA BEING DREDGED: Buoys R-16
Stations 800-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91277-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 106 **LOAD start date:** 12/03/04 **Times (24hrs): Start** 1912 **End** 2035

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: OVERCAST, CALM

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: .5-1 **ft** **Wind (speed & direction):** NW 5-10 kts

AIR TEMP: 13°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C **°C/°F Column (mid-depth)** 17°C **°C/°F Bottom** 17°C **°C/°F**

SCREEN TYPE						
X	**Inflow screening:**	None	25%	50%	75%	100%
X	**Overflow screening:**	None	25%	50%	75%	100% → 50% Removed
___	**Other screening:**	None	25%	50%	75%	100%

~~PORT SCREEN~~ SKIMMER CONTENTS: MUD, TRASH

STARBOARD SCREEN CONTENTS: TRASH, VEGETATION

PORT " " " , VEGETATION

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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: Nickie Zavinsky **Observer firm** COASTWISE CONSULTING, I

Observer signature N. Zy

AREA BEING DREDGED: Bouys 1 - 12-16

Stations: 800 - 900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 107 **LOAD start date:** 12/03/04 **Times (24hrs): Start** 2052 **End** 2204

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: mud/silt

Weather conditions: Calm, overcast, RAIN BEGINS @ ~ 2130

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: .5-1 ft **Wind (speed & direction):** NW 7-10 kts

AIR TEMP: 13°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °C/°F

SCREEN TYPE

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

~~PORT SCREEN~~ SKIMMER **CONTENTS:** MUD, TRASH, VEGETATION

STARBOARD SCREEN CONTENTS: VEGETATION, TRASH

PORT " " " " "

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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, I

Observer signature [signature]

AREA BEING DREDGED: Buoys E-12-16
STATIONS 800-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 108 **LOAD start date:** 12/03/04 **Times (24hrs): Start** 2222 **End** 2338

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud/silt

Weather conditions: CALM, OVERCAST, RAINING

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2 =) 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: .5-1 **ft** **Wind (speed & direction):** NW 5-10 k/s

AIR TEMP: 15°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °C/°F

SCREEN TYPE

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

~~PORT SCREEN~~ SKIMMER CONTENTS: MUD, TRASH, VEGETATION

STARBOARD SCREEN CONTENTS: TRASH, VEGETATION,
PORT " " " " , NETTING

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** NONE FOUND
- **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. ZAVINSKY **Observer firm** COASTWISE CONSULTING, I

Observer signature N. Zy

AREA BEING DREDGED: Bouys 12-16 Stations 800 - 900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 109 **LOAD start date:** 12-4 **Times (24hrs): Start** 0000 2353 **End** 0115

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: raining

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: ½ **ft Wind (speed & direction):** 5mph

AIR TEMP: 14° (°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% → 50% Removed
____	**Other screening:**	None	25%	50%	75%	100%

~~PORT SCREEN~~ SKIMMER **CONTENTS:** trash, wood, shell

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** none found
- **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: Cindy Franz **Observer firm** COASTWISE CONSULTING, I

Observer signature Cindy Franz

AREA BEING DREDGED: buoys [illegible]-12-16

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 110 **LOAD start date:** 12-4 **Times (24hrs): Start** 0128 **End** 0255

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: rain

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1/2 **ft** **Wind (speed & direction):** 5 mph

AIR TEMP: 140 (°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% → 50% Removed
	Other screening:	None	25%	50%	75%	100%

~~PORT SCREEN~~ SKIMMER CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** none found
- **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: Cindy Franz **Observer firm** COASTWISE CONSULTING, I

Observer signature Cindy Franz

AREA BEING DREDGED: buoys 12-16

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 111 **LOAD start date:** _____ **Times (24hrs): Start** 0310 **End** 0434

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** ~~[illegible]~~ 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: _____

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1/2 **ft** **Wind (speed & direction):** 10mph

AIR TEMP: 13° **(°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% → 50% Removed
	Other screening:	None	25%	50%	75%	100%

~~PORT SCREEN~~ SKIMMER CONTENTS: wood, trash, shell

STARBOARD SCREEN CONTENTS: _____

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING, I

Observer signature Cindy Franz

AREA BEING DREDGED: buoys 12-16

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 112 **LOAD start date:** 12-4 **Times (24hrs): Start** 0448 **End** 0611

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ 50% Remove

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: rain

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** 15 mph

AIR TEMP: 13° (C) F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° (C) F **Column (mid-depth)** 16° (C) F **Bottom** _____ °C F

SCREEN TYPE

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

~~**PORT SCREEN**~~ SKIMMER **CONTENTS:** wood, trash, shell

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING

Observer signature Cindy Franz

AREA BEING DREDGED: buoys 12-16

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 113 **LOAD start date:** 12-4 **Times (24hrs): Start** 0628 **End** 0742

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** ~~100%~~ 50% Remove

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: 100% cloudy

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1/2 **ft** **Wind (speed & direction):** ____

AIR TEMP: 13° (C) F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° (C) F **Column (mid-depth)** 18 (C) F **Bottom** ____ °C F

SCREEN TYPE

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

~~PORT SCREEN~~ SKIMMER CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** none found
- **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: Cindy Franz **Observer firm** COASTWISE CONSULTING

Observer signature Cindy Franz

AREA BEING DREDGED: buoys 12-16

0705 TD 1-2 dolphins

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 114 **LOAD start date:** 12-4 **Times (24hrs): Start** 0803 **End** 0913

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** ~~[illegible]~~ 50% remove

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: 100% cloudy

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1ft **ft** **Wind (speed & direction):** N 10-15 mph

AIR TEMP: 13° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16 (°C) °F **Column (mid-depth)** 16 (°C) °F **Bottom** _____ °C °F

SCREEN TYPE

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

SKIMMER ~~PORT SCREEN~~ **CONTENTS:** trash, wood whelk, clam, 1 4" unidentified fish

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING

Observer signature Cindy Franz

AREA BEING DREDGED: buoys 12-16

TT 0835 6-10 dolphins

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 115 **LOAD start date:** 12-4 **Times (24hrs): Start** 0932 **End** 1038

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** ~~[illegible]~~ 50% Remove

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: 100% clouds

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1/2 ft ft **Wind (speed & direction):** N 10-13 mph

AIR TEMP: 17° (C) F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° (C) F **Column (mid-depth)** 16° (C) F **Bottom** ____ °C F

SCREEN TYPE

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

SKIMMER ~~PORT SCREEN~~ **CONTENTS:** trash, shell

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING

Observer signature Cindy Franz

AREA BEING DREDGED: buoys 12-16

1008 TT 2-4 in the channel

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 116 **LOAD start date:** 12-4 **Times (24hrs): Start** 1057 **End** 1206

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ % 50% Remove

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: overcast

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft
			12 = >63 knot/45

Waves: 2-3 **ft** **Wind (speed & direction):** NW 10-15 kts

AIR TEMP: 17° °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° °C/°F **Column (mid-depth)** 16° °C/°F **Bottom** 16°C °C/°F

SCREEN TYPE

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

~~PORT SCREEN~~ SKIMMER CONTENTS: MUD, TRASH

STARBOARD SCREEN CONTENTS: TRASH, VEGETATION, SHELL FRAGMENTS

PORT " " : TRASH, VEGETATION, " "

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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

Observer signature N. Z

AREA BEING DREDGED: buoys 12-16

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 117 **LOAD start date:** 12/04/04 **Times (24hrs): Start** 1222 **End** 1340

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** ~~[illegible]~~ 50% Remove

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD/SILT

Weather conditions: OVERCAST

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3 = 7-10 knot/ 2 ft)	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4 = 11-16 knot/ 4 ft)	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-3 **ft Wind (speed & direction):** NW 10-15 KTS

AIR TEMP: 17 °C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16°C °C/°F **Column (mid-depth)** 16°C °C/°F **Bottom** 16°C °C/°F

SCREEN TYPE

X	**Inflow screening:**	None	25%	50%	75%	(100%)
X	**Overflow screening:**	None	25%	50%	75%	~~100%~~ — 50% Removed
____	**Other screening:**	None	25%	50%	75%	100%

~~PORT SCREEN~~ SKIMMER CONTENTS: MUD, TRASH, VEGETATION

STARBOARD SCREEN CONTENTS: MUD, TRASH, VEGETATION, WOOD, SHELL FRAGS.

PORT " " " " " " SHELL FRAGMENTS

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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

Observer signature N. Z

AREA BEING DREDGED: Buoys 12-16 Stations 800-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W912P8-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 118 **LOAD start date:** 12/04/04 **Times (24hrs): Start** 1400 **End** 1512

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: OVERCAST / FOG / HAZE

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-3 **ft Wind (speed & direction):** NW 10-15 kts

AIR TEMP: 15°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16°C °C/°F **Column (mid-depth)** 16°C °C/°F **Bottom** 16°C °C/°F

SCREEN TYPE

X	**Inflow screening:**	None	25%	50%	75%	100%
X	**Overflow screening:**	None	25%	50%	75%	100% → 50% Removed
____	**Other screening:**	None	25%	50%	75%	100%

~~PORT SCREEN~~ SKIMMER CONTENTS: MUD, TRASH, VEGETATION

STARBOARD SCREEN CONTENTS: TRASH, VEGETATION, SHELL FRAGMENTS

PORT " " " " " "

Estimate number entrained on this load for the following:

Sturgeon (any species) None Found
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: Tursiops truncatus – 3 animals @ 1512 off port bow

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

Observer's name: N. Zavinsky **Observer firm** COASTWISE CONSULTING, I

Observer signature N. Z.

AREA BEING DREDGED: Buoys 12-16 Stations 800-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 119 **LOAD start date:** 12/4/04 **Times (24hrs): Start** 1526 **End** 1637

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD/SILT

Weather conditions: OVERCAST / FOG / HAZE, SPRINKLING

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-3 **ft** **Wind (speed & direction):** SE 10-15 KTS

AIR TEMP: 15°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16°C °C/°F **Column (mid-depth)** 16°C °C/°F **Bottom** 16°C °C/°F

SCREEN TYPE

X	**Inflow screening:**	None	25%	50%	75%	100%
X	**Overflow screening:**	None	25%	50%	75%	100% — 50% Removed
____	**Other screening:**	None	25%	50%	75%	100%

~~PORT SCREEN~~ SKIMMER CONTENTS: MUD, TRASH, VEGETATION

STARBOARD SCREEN CONTENTS: TRASH, VEGETATION, WOOD, SHELL FRAGMENTS

PORT " " " " " " " "

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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, I

Observer signature N. Zy

AREA BEING DREDGED: Buoys 8-12
Stations 800-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W912P8-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: Manson

LOAD #: 120 **LOAD start date:** 12/04/04 **Times (24hrs): Start** 1651 **End** 1807

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** ~~[illegible]~~ 0 50% Remove

Number of dragheads in use: 2 **Type of dragheads used:** TOW DRAGHEAD MODIFIED CALIFORNIA SINGLE **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD/SILT

Weather conditions: OVERCAST/FOGGY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-3 **ft Wind (speed & direction):** SW 10-15 KK

AIR TEMP: ____ °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16°C °C/°F **Column (mid-depth)** 16°C °C/°F **Bottom** 16°C °C/°F

SCREEN TYPE

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

~~PORT SCREEN~~ SKIMMER CONTENTS: MUD TRASH

STARBOARD SCREEN CONTENTS: TRASH, MUD, VEGETATION

PORT " " " TRASH, " " "

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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

Observer signature N. Zy

AREA BEING DREDGED: Bouys 12-16

Stations 800-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 121 **LOAD start date:** 12/4/04 **Times (24hrs): Start** 1827 **End** 1940

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ % 50% Remove

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8-1

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: Mud/silt

Weather conditions: CALM, OVERCAST

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-3 **ft Wind (speed & direction):** SW 10-15 kts

AIR TEMP: 15°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16°C °C/°F **Column (mid-depth)** 16°C °C/°F **Bottom** 16°C °C/°F

SCREEN TYPE

X	**Inflow screening:**	None	25%	50%	75%	100%
X	**Overflow screening:**	None	25%	50%	75%	100% — 50% Removed
____	**Other screening:**	None	25%	50%	75%	100%

~~PORT SCREEN~~ SKIMMER CONTENTS: MUD, TRASH

STARBOARD SCREEN CONTENTS: TRASH, VETATION, SHELL FRAGMENTS

PORT " " " " " " "

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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

Observer signature N. Zavinsky

AREA BEING DREDGED: Bouys 12-16

Stations 8W - 9W

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 122 **LOAD start date:** 12/04/04 **Times (24hrs): Start** _____ **End** _____

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ % 50% Remove

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD / SILT

Weather conditions: OVERCAST

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

Beaufort Sea States (Wind/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-3 **ft Wind (speed & direction):** SW 10-15 KTS

AIR TEMP: 17°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16°C °C/°F **Column (mid-depth)** 16°C °C/°F **Bottom** 16°C °C/°F

SCREEN TYPE

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

~~PORT SCREEN~~ SKIMMER CONTENTS: MUD, TRASH, SHELL FRAGMENTS

STARBOARD SCREEN CONTENTS: TRASH, VEGETATION, SHELL FRAGMENTS

PORT " " TRASH VEGETATION, SHELL FRAGMENTS

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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,
Observer signature N. Zavinsky

AREA BEING DREDGED: Buoys 12-16
Stations 800-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI; **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 123 **LOAD start date:** 12/04/04 **Times (24hrs): Start** 2135 **End** 2252

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ 50% Remove

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD/SILT

Weather conditions: OVERCAST

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-4 ft **Wind (speed & direction):** 10-15 kts

AIR TEMP: 17°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16°C °C/°F **Column (mid-depth)** 16°C °C/°F **Bottom** 16°C °C/°F

SCREEN TYPE

X	**Inflow screening:**	None	25%	50%	75%	100%
X	**Overflow screening:**	None	25%	50%	75%	100% — 50% Removed
____	**Other screening:**	None	25%	50%	75%	100%

SKIMMER ~~[illegible]~~ CONTENTS: MUD, TRASH

STARBOARD SCREEN CONTENTS: TRASH, SHELL FRAGMENTS, VEGETATION

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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

Observer signature [illegible]

AREA BEING DREDGED: Buoys 12-16 Stations 800-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 124 **LOAD start date:** 12/04/04 **Times (24hrs): Start** 2310 **End** 0022

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** ~~[illegible]~~ 50% Remove

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD/SILT

Weather conditions: OVERCAST

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-3 **ft** **Wind (speed & direction):** 10-15 kts

AIR TEMP: 17°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16°C °C/°F **Column (mid-depth)** 16°C °C/°F **Bottom** 16°C °C/°F

SCREEN TYPE

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

SKIMMER ~~PORT SCREEN~~ **CONTENTS:** MUD trash, shell

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** none found
- **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: Cindy Franz **Observer firm** COASTWISE CONSULTING

Observer signature Cindy Franz

AREA BEING DREDGED: Bouys 12-16
Stations 800-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 125 **LOAD start date:** 12-5 **Times (24hrs): Start** 0038 **End** 0158

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** ~~[illegible]~~ 50% Remove

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: mostly cloudy, calm

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1/2 **ft** **Wind (speed & direction):** calm

AIR TEMP: 18° (C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° (C) °F **Column (mid-depth)** 16° (C) °F **Bottom** ____ °C/°F

SCREEN TYPE

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

~~PORT SCREEN~~ SKIMMER CONTENTS: mud, trash, shell

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** none found
- **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: Cindy Franz **Observer firm** COASTWISE CONSULTING

Observer signature Cindy Franz

AREA BEING DREDGED: buoys 12-16

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W912PP-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 1216 **LOAD start date:** 12-5 **Times (24hrs): Start** 0215 **End** 0337

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ % 50% Remove

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: mostly cloudy, calm

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1/2 **ft** **Wind (speed & direction):** calm

AIR TEMP: 190 (C)/F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 160 (C)/F **Column (mid-depth)** 160 (C)/F **Bottom** ____ °C/F

SCREEN TYPE

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

SKIMMER ~~PORT SCREEN~~ **CONTENTS:** mud, trash, shell

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING

Observer signature Cindy Franz

AREA BEING DREDGED: buoys 12-16

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 127 **LOAD start date:** 12-5 **Times (24hrs): Start** 0350 **End** 0516

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ % 50% Remove

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: cloudy, calm

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: ½ **ft** **Wind (speed & direction):** calm

AIR TEMP: 19° (C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° (C) °F **Column (mid-depth)** 16° (C) °F **Bottom** ____ °C / °F

SCREEN TYPE

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

~~PORT SCREEN~~ SKIMMER CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** none found
- **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: Cindy Franz **Observer firm** COASTWISE CONSULTING

Observer signature Cindy Franz

AREA BEING DREDGED: buoys 12-16

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 128 **LOAD start date:** 12-5 **Times (24hrs): Start** 0533 **End** 0648

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ % 50% Remove

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: rain

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** 5-10mph

AIR TEMP: 17° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° (°C) °F **Column (mid-depth)** 16° (°C) °F **Bottom** ____ °C °F

SCREEN TYPE

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

~~PORT SCREEN~~ SKIMMER **CONTENTS:** trash, wood, shell

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING

Observer signature Cindy Franz

AREA BEING DREDGED: buoys 12-16

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 129 **LOAD start date:** 12-5 **Times (24hrs): Start** 0716 **End** 0801

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ % 50% Remove

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: rain

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** E 10mph

AIR TEMP: 19° (C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° (C) °F **Column (mid-depth)** 16° (C) °F **Bottom** ____ °C / °F

SCREEN TYPE

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

~~POST-SCREEN~~ SKIMMER **CONTENTS:** trash, wood, shell

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** none found
- **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: Cindy Franz **Observer firm** COASTWISE CONSULTING

Observer signature Cindy Franz

AREA BEING DREDGED: 800-700 stations
buoys 16-20

(*) New Area

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 130 **LOAD start date:** 12-5 **Times (24hrs): Start** 0831 **End** 0918

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ % 50% Remove

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: rain

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1.5 **ft Wind (speed & direction):** F 8-13 mph

AIR TEMP: 17° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° (°C) °F **Column (mid-depth)** 16° (°C) °F **Bottom** ____ °C/°F

SCREEN TYPE

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

~~PORT SCREEN~~ SKIMMER CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** none found
- **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: Cindy Franz **Observer firm** COASTWISE CONSULTING

Observer signature Cindy Franz

AREA BEING DREDGED: stations 700-800
buoys 16-20

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91237-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 131 **LOAD start date:** 12-5 **Times (24hrs): Start** 0045 **End** 1043

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ % 50% Remove

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: rain

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1.5 **ft Wind (speed & direction):** E

AIR TEMP: 17° (C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° (C) °F **Column (mid-depth)** 16° (C) °F **Bottom** ____ °C / °F

SCREEN TYPE

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

SKIMMER ~~**PORT SCREEN**~~ **CONTENTS:** trash, wood, shell

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** COASTWISE CONSULTING

Observer signature Cindy Franz

AREA BEING DREDGED: buoys [redacted]-16-20
stations 700-800

0954 Tt 4-7 dolphins near channel, following fishing boat

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91277-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 132 **LOAD start date:** 12-5 **Times (24hrs): Start** 1107 **End** 1200

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ % 50% Remove

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: rain

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: .5-1 **ft** **Wind (speed & direction):** 0-5 kts

AIR TEMP: 17° °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° °C/°F **Column (mid-depth)** 16° °C/°F **Bottom** ____ °C/°F

SCREEN TYPE

X	**Inflow screening:**	None	25%	50%	75%	100%
X	**Overflow screening:**	None	25%	50%	75%	100% — 50% Removed
____	**Other screening:**	None	25%	50%	75%	100%

~~**PORT SCREEN**~~ SKIMMER **CONTENTS:** MUD, TRASH

STARBOARD SCREEN CONTENTS: WOOD, TRASH, VEGETATION, SHELL
PORT " " " " " SHELL

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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
Observer signature N. ZW

AREA BEING DREDGED: buoys 16-20
stations 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 133 **LOAD start date:** 12/05/04 **Times (24hrs): Start** 1224 **End** 1324

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** ~~[illegible]~~ 50% Remove

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: MUD/SILT

Weather conditions: RAIN, FOG 3-5 miles visibility

Tidal stage (CIRCLE ONE): Slack (Rising) High Falling Low Unknown +.35

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: .5-1 **ft Wind (speed & direction):** 0-5 kts

AIR TEMP: 19°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16°C °C/°F **Column (mid-depth)** 16°C °C/°F **Bottom** 16°C °C/°F

SCREEN TYPE

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

~~PORT SCREEN~~ SKIMMER **CONTENTS:** MUD, TRASH

STARBOARD SCREEN CONTENTS: TRASH, WOOD, SHELL FRAGMENTS, 1 mollusk, 1 hiscrab

Port " " " " " "

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

Shark (any species) " "

Horseshoe crab 1 in Stbd screening

Blue crab None found

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ **NO** X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 1- Tinted Cantharus (mollusk)

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

Observer's name: N. ZAVINSKY **Observer firm** COASTWISE CONSULTING

Observer signature [signature]

AREA BEING DREDGED: Buoys 16-20
Stations 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/29/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 134 **LOAD start date:** 12/05/04 **Times (24hrs): Start** 1347 **End** 1447

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: OVERCAST, HAZEY

Tidal stage (CIRCLE ONE): Slack (Rising) High Falling Low Unknown +00.36

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 **ft** **Wind (speed & direction):** 0-5 kts SE

AIR TEMP: 18°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C **°C/°F** **Column (mid-depth)** 17°C **°C/°F** **Bottom** 17°C **°C/°F**

SCREEN TYPE

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

~~PORT SCREEN~~ SKIMMER CONTENTS: MUD, SHELL

STARBOARD SCREEN CONTENTS: TRASH, WOOD

PORT " " : 13 SEASTARS, 1 Horseshoe Crab, 1 unidentified Crab

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

Shark (any species) ____

Horseshoe crab 1 in PORT BOX

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: 5 Tt. @ 14 21 w/ same shrimp boat

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

Observer's name: N. ZAVINSKY **Observer firm** COASTWISE CONSULTING, I

Observer signature N. Zavinsky

AREA BEING DREDGED: Bouys 16-20
Stations 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, Alabama

CONTRACT #: W912F8-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport Harbor **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 135 **LOAD start date:** 12/05/05 **Times (24hrs): Start** 1514 **End** 1621

Condition of screening: **Port** 100% **Starboard** 100% **Overflow** 50% removed

MODIFIED CALIFORNIA

Number of dragheads in use: 2 **Type of dragheads used:** SINGLE TWO **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** GOOD

Type of material dredged: MUD, SILT

Weather conditions: OVERCAST W/ HAZE & FOG

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown +1.57

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: .5-1 **ft** **Wind (speed & direction):** 5-10-KTS SE

AIR TEMP: 18°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD, SHELL

STARBOARD SCREEN CONTENTS: TRASH, WIRE, WOOD, SHELL

SKIMMER CONTENTS: MUD, TRASH, SHELL

Estimate number entrained on this load for the following:

Sturgeon (any species)	NONE FOUND
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

Observer signature N. Z

AREA BEING DREDGED: BOUYS 16-20

Stations 700 - 800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: GULFPORT HARBOR, MISSISSIPPI **DREDGE NAME:** BAYPORT

DREDGE FIRM: MANSON

LOAD #: 136 **LOAD start date:** 12/05/04 **Times (24hrs): Start** 1655 **End** 1756

Condition of screening: **Port** 100 % **Starboard** 100 % **Overflow** ~~[illegible]~~ 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW DRAGHEAD **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** EXCELLENT

Type of material dredged: mud

Weather conditions: OVERCAST, HAZE, FOG

Tidal stage (CIRCLE ONE): Slack (Rising) High Falling Low Unknown +.68

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3 = 7-10 knot/ 2 ft)	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 **ft** **Wind (speed & direction):** 5-10kts SE

AIR TEMP: 19°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °C/°F

SCREEN TYPE

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

SKIMMER ~~PORT SCREEN~~ **CONTENTS:** MUD, TRASH

STARBOARD SCREEN CONTENTS: TRASH, SHELL, WOOD

PORT " " TRASH, SHELL, WOOD

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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: R. N. ZAVINSKY **Observer firm** COASTWISE CONSULTING, INC.
Observer signature R. Zy

AREA BEING DREDGED: Buoys 16-20
Stations 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 137 **LOAD start date:** 12/05/04 **Times (24hrs): Start** 1821 **End** 1910

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** GOOD

Type of material dredged: MUD / SILT

Weather conditions: OVERCAST, RAIN

Tidal stage (CIRCLE ONE): Slack (Rising) **High Falling Low Unknown** +.90

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3 =) 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2 =) 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 ft **Wind (speed & direction):** 10-15 SW

AIR TEMP: 19°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD, VEGETATION

STARBOARD SCREEN CONTENTS: TRASH WOOD VEGETATION

SKIMMER CONTENTS: MUD TRASH

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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

Observer signature N. Zavinsky

AREA BEING DREDGED: Bouys - 16-20
Stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 138 **LOAD start date:** 12/05/04 **Times (24hrs): Start** 1935 **End** 2022

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** GOOD

Type of material dredged: MUD/SILT

Weather conditions: RAIN

Tidal stage (CIRCLE ONE): Slack (Rising) High Falling Low Unknown +1.1

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 3-4 **ft** **Wind (speed & direction):** 10-15 kts

AIR TEMP: 19°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 19°C **°C/°F** **Column (mid-depth)** 17°C **°C/°F** **Bottom** 17°C **°C/°F**

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

PORT SCREEN CONTENTS: TRASH, WOOD, VEGETATION

STARBOARD SCREEN CONTENTS: TRASH, WOOD, VEGETATION

SKIMMER CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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

Observer signature N. Z

AREA BEING DREDGED: Bouys - 16-20
Stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 139 **LOAD start date:** 12/05/04 **Times (24hrs): Start** 2047 **End** 2143

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

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 +1.21

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3 =) 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 **ft** **Wind (speed & direction):** 10-15 KTS

AIR TEMP: 19.5°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C **°C/°F** **Column (mid-depth)** 17°C **°C/°F** **Bottom** 17°C **°C/°F**

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

PORT SCREEN CONTENTS: TRASH, WOOD, VEGETATION, SHELL

STARBOARD SCREEN CONTENTS: TRASH, WOOD, VEGETATION

SKIMMER CONTENTS: MUD TRASH SHELL

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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

Observer signature N. Z

AREA BEING DREDGED: Buoys - 16-20
Stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 140 **LOAD start date:** 12/05/04 **Times (24hrs): Start** 2210 **End** 2304

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** GOOD

Type of material dredged: MUD/SILT

Weather conditions: Overcast / Scattered RAIN

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown +1.31

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 ft **Wind (speed & direction):** 10-15kts

AIR TEMP: 19°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD, VEGETATION, SHELL

STARBOARD SCREEN CONTENTS: TRASH, WOOD, VEGETATION, SHELL

SKIMMER CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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

Observer signature [signature]

AREA BEING DREDGED: Buoys - 16-20
Stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 141 **LOAD start date:** 12/05/04 **Times (24hrs): Start** 2330 **End** 0025

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** GOOD

Type of material dredged: MUD/SILT

Weather conditions: OVERCAST/SCATTERED SHOWERS

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 **ft Wind (speed & direction):** 10-15 kts

AIR TEMP: 19.5°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C **°C/°F Column (mid-depth)** 17°C **°C/°F Bottom** 17°C **°C/°F**

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

PORT SCREEN CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS: " " "

SKIMMER CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** Coastwise Consulting

Observer signature Cindy Franz

AREA BEING DREDGED: Bouys - 16-20
Stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 142 **LOAD start date:** 12-6 **Times (24hrs): Start** ~~0145~~ 0047 **End** 0145

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** GOOD

Type of material dredged: mud

Weather conditions: cloudy / haze

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1/2 **ft** **Wind (speed & direction):** 10 mph

AIR TEMP: 19.5° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° (°C) °F **Column (mid-depth)** 16° (°C) °F **Bottom** _____ °C / °F

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

PORT SCREEN CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS: " " "

SKIMMER CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** Coastwise Consulting, Inc

Observer signature Cindy Franz

AREA BEING DREDGED: Bouys - 16-20
Stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 143 **LOAD start date:** 12-6 **Times (24hrs): Start** 0208 **End** 0249

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** GOOD

Type of material dredged: mud

Weather conditions: cloudy/haze

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1/2 **ft Wind (speed & direction):** 10 mph

AIR TEMP: 19° (C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° (C) °F **Column (mid-depth)** 16° (C) °F **Bottom** ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS: " " "

SKIMMER CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** Coastwise Consulting, Inc

Observer signature Cindy

AREA BEING DREDGED: Buoys - 16-20
Stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 144 **LOAD start date:** 12-6 **Times (24hrs): Start** 0314 **End** 0411

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** GOOD

Type of material dredged: mud

Weather conditions: clouds / haze

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1½ **ft Wind (speed & direction):** 10 mph

AIR TEMP: 19° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° (°C) °F **Column (mid-depth)** 16° °C / °F **Bottom** _____ °C / °F

SCREEN TYPE

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

PORT SCREEN CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS: " " "

SKIMMER CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** Coastwise Consulting, Inc

Observer signature Cindy Franz

AREA BEING DREDGED: Bouys - 16-20
Stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 145 **LOAD start date:** 12-6 **Times (24hrs): Start** 0434 **End** 0534

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** GOOD

Type of material dredged: mud

Weather conditions: clouds / haze

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1½ **ft Wind (speed & direction):** 10 mph

AIR TEMP: 19° (C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° (C) °F **Column (mid-depth)** 16° (C) °F **Bottom** ____ °C / °F

SCREEN TYPE

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

PORT SCREEN CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS:

SKIMMER CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** Coastwise Consulting, Inc

Observer signature Cindy Franz

AREA BEING DREDGED: Bouys - 16-20
Stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 146 **LOAD start date:** 12-6 **Times (24hrs): Start** 0559 **End** 0655

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** GOOD

Type of material dredged: mud

Weather conditions: heavy fog

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** 10mph

AIR TEMP: 190 **(C) F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° **(C) F** **Column (mid-depth)** 16° **(C) F** **Bottom** ____ **°C / °F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS: " " "

SKIMMER CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** Coastwise Consulting, Inc

Observer signature Cindy Franz

AREA BEING DREDGED: Buoys - 16-20
Stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 147 **LOAD start date:** 12-6 **Times (24hrs): Start** 0718 **End** 0805

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** GOOD

Type of material dredged: mud

Weather conditions: heavy fog

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: ____ **ft** **Wind (speed & direction):** ____

AIR TEMP: 20° (C) F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° (C) F **Column (mid-depth)** 16° (C) F **Bottom** ____ °C F

SCREEN TYPE

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

PORT SCREEN CONTENTS: trash, wood, shell, horseshoe crab

STARBOARD SCREEN CONTENTS: ____

SKIMMER CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

Shark (any species) none found

Horseshoe crab 1 crab

Blue crab none found

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: Cindy Franz **Observer firm** Coastwise Consulting, Inc

Observer signature Cindy Franz

AREA BEING DREDGED: Bouys - 16-20
Stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 148 **LOAD start date:** 12-6 **Times (24hrs): Start** 0827 **End** 0944

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** GOOD

Type of material dredged: mud

Weather conditions: heavy fog

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft Wind (speed & direction):** 10 mph

AIR TEMP: 21° **(°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° **(°C/°F Column (mid-depth)** 16° **(°C/°F Bottom** ____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS: trash, wood, shell, 2 sea stars

SKIMMER CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** Coastwise Consulting, Inc

Observer signature Cindy Franz

AREA BEING DREDGED: Bouys - 16-20
Stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 149 **LOAD start date:** 12-6 **Times (24hrs): Start** 1003 **End** 1144

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** GOOD

Type of material dredged: mud

Weather conditions: heavy fog

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** 10 mph

AIR TEMP: 21° (°C)/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD, SHELL

STARBOARD SCREEN CONTENTS: TRASH, WOOD, SHELL

SKIMMER CONTENTS: MUD, TRASH

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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: 1 Ft. off STBD Near Buoy #5

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

Observer's name: Cindy Franz / N. Zavinsky **Observer firm** Coastwise Consulting, Inc

Observer signature Cindy Franz / N. Zavinsky

AREA BEING DREDGED: Buoys ÷ 16-20
Stations ÷ 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 150 **LOAD start date:** 12/06/04 **Times (24hrs): Start** 1201 **End** 1326

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** GOOD

Type of material dredged: MUD / SILT

Weather conditions: OVERCAST / HEAVY FOG, Ø VISIBILITY

Tidal stage (CIRCLE ONE): Slack **Rising** **High** **Falling** **Low** **Unknown** + .69

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** 5-10 kt

AIR TEMP: 23°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C **°C/°F** **Column (mid-depth)** 17°C **°C/°F** **Bottom** _____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD, SHELL — 2 Horseshoe Crabs, 1 Spider Crab

STARBOARD SCREEN CONTENTS: TRASH, WOOD, SHELL

SKIMMER CONTENTS: MUD, TRASH

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

Shark (any species) " "

Horseshoe crab 2 Found in Port screen

Blue crab none Found

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

Observer signature N. Z

AREA BEING DREDGED: Bouys - 16-20
Stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 151 **LOAD start date:** 12/06/04 **Times (24hrs): Start** 1345 **End** 1512

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** GOOD

Type of material dredged: MUD / SILT

Weather conditions: OVERCAST / 0 VISIBILITY / HEAVY FOG

Tidal stage (CIRCLE ONE): Slack (Rising) **High Falling Low Unknown** +.73

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft Wind (speed & direction):** 5-10 kts

AIR TEMP: 25°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °C/°F

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

PORT SCREEN CONTENTS: TRASH, WOOD, SHELL

STARBOARD SCREEN CONTENTS: TRASH WOOD, SHELL

SKIMMER CONTENTS: MUD, TRASH

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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

Observer signature N. Z

AREA BEING DREDGED: Bouys - 16-20
Stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 152 **LOAD start date:** 12/06/05 **Times (24hrs): Start** 1530 **End** 1657

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** GOOD

Type of material dredged: MUD / SILT

Weather conditions: OVERCAST, HEAVY FOG, Ø VISIBILITY

Tidal stage (CIRCLE ONE): Slack (Rising) **High Falling Low Unknown** +.89

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3 =) 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft Wind (speed & direction):** 10kts

AIR TEMP: 20°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C °C/°F **Column (mid-depth)** 19°C °C/°F **Bottom** 17°C °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD, SHELL

STARBOARD SCREEN CONTENTS: TRASH, WOOD, SHELL

SKIMMER CONTENTS: MUD, TRASH

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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

Observer signature N. Zavinsky

AREA BEING DREDGED: Bouys - 16-20
Stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 153 **LOAD start date:** 12/06/04 **Times (24hrs): Start** 1713 **End** 1854

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** GOOD

Type of material dredged: MUD/SILT

Weather conditions: HEAVY FOG, Ø VISIBILITY

Tidal stage (CIRCLE ONE): Slack (Rising) **High Falling Low Unknown** +1.04

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft Wind (speed & direction):** 0-5 kts

AIR TEMP: 20°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C **°C/°F Column (mid-depth)** 17°C **°C/°F Bottom** 17°C **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD, SHELL

STARBOARD SCREEN CONTENTS: TRASH, WOOD, SHELL

SKIMMER CONTENTS: MUD, TRASH

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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

Observer signature N. Z

AREA BEING DREDGED: Buoys - 16-20
Stations - 9W-7W

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 154 **LOAD start date:** 12/06/04 **Times (24hrs): Start** 1913 **End** 2042

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** GOOD

Type of material dredged: MUD/SILT

Weather conditions: HEAVY FOG – Ø VISIBILITY

Tidal stage (CIRCLE ONE): Slack (Rising) High Falling Low Unknown +1.22

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3 = 7-10 knot/ 2 ft)	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 **ft** **Wind (speed & direction):** 5-10 kts

AIR TEMP: 20°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C **°C/°F** **Column (mid-depth)** 17°C **°C/°F** **Bottom** 17°C **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD, SHELL

STARBOARD SCREEN CONTENTS: TRASH, WOOD, SHELL

SKIMMER CONTENTS: MUD, TRASH

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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

Observer signature [signature]

AREA BEING DREDGED: Bouys – 16-20
Stations – 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 155 **LOAD start date:** 12/06/04 **Times (24hrs): Start** 2100 **End** 2237

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** GOOD

Type of material dredged: MUD/SILT

Weather conditions: FOGGY CLEARING

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3 = 7-10 knot/ 2 ft)	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft Wind (speed & direction):** S-10

AIR TEMP: 20°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** 17°C °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD, SHELL

STARBOARD SCREEN CONTENTS: TRASH, WOOD, SHELL

SKIMMER CONTENTS: MUD TRASH

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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. ZAWINSKY **Observer firm** Coastwise Consulting, Inc

Observer signature N. Z

AREA BEING DREDGED: Bouys - 16-20
Stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 156 **LOAD start date:** 12/06/04 **Times (24hrs): Start** 0000 **End** 0033

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** GOOD

Type of material dredged: MUD/SILT

Weather conditions: LIGHT FOG

Tidal stage (CIRCLE ONE): Slack Rising High (Falling) Low Unknown +1.15

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3 = 7-10 knot/ 2 ft)	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 **ft Wind (speed & direction):** 10-15 kts

AIR TEMP: 19°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C **°C/°F Column (mid-depth)** 17°C **°C/°F Bottom** 17°C **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS: " " "

SKIMMER CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Frany **Observer firm** Coastwise Consulting, Inc

Observer signature Cindy Frany

AREA BEING DREDGED: Buoys - 16-20
Stations - 700-800

~~57 0051-0237~~
~~8 1238~~

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 157 **LOAD start date:** 12-6 **Times (24hrs): Start** 0051 **End** 0237

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** GOOD

Type of material dredged: mud

Weather conditions: heavy fog

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 **ft** **Wind (speed & direction):** 15 mph

AIR TEMP: 18° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° (°C) °F **Column (mid-depth)** 16° (°C) °F **Bottom** ____ °C °F

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

PORT SCREEN CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS: " " "

SKIMMER CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** Coastwise Consulting, Inc

Observer signature Cindy Franz

AREA BEING DREDGED: Bouys - 16-20
Stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 158 **LOAD start date:** 12-7 **Times (24hrs): Start** 0258 **End** 0432

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** GOOD

Type of material dredged: mud

Weather conditions: dense fog

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 **ft** **Wind (speed & direction):** _____

AIR TEMP: 190 **(°C)/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° **(°C)/°F** **Column (mid-depth)** 16° **(°C)/°F** **Bottom** _____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS: " " "

SKIMMER CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** Coastwise Consulting, Inc

Observer signature Cindy Franz

AREA BEING DREDGED: Bouys - 16-20
Stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 159 **LOAD start date:** 12-7 **Times (24hrs): Start** 0450 **End** 0621

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** GOOD

Type of material dredged: mud

Weather conditions: fog

Tidal stage (CIRCLE ONE): Slack Rising High (Falling) Low Unknown 6

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: _____ **ft** **Wind (speed & direction):** _____

AIR TEMP: 190 (C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 160 (C) °F **Column (mid-depth)** 160 (C) °F **Bottom** _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: _____

STARBOARD SCREEN CONTENTS: _____

SKIMMER CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** Coastwise Consulting, Inc

Observer signature Cindy Franz

AREA BEING DREDGED: Bouys - 16-20
Stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 160 **LOAD start date:** 12-7 **Times (24hrs): Start** 0641 **End** 0801

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** GOOD

Type of material dredged: mud

Weather conditions: fog finally lifting

Tidal stage (CIRCLE ONE): Slack Rising High (Falling .5) Low Unknown

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 **ft** **Wind (speed & direction):** 20 mph

AIR TEMP: 190 **(°C) °F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 160 **(°C) °F** **Column (mid-depth)** 160 **(°C) °F** **Bottom** _____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS: horseshoe crab, unident. crab, shell

SKIMMER CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

Shark (any species)

Horseshoe crab 1 horseshoe crab found

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: Cindy Franz **Observer firm** Coastwise Consulting, Inc

Observer signature Cindy Franz

AREA BEING DREDGED: Buoys - 16-20
Stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 161 **LOAD start date:** 12-7 **Times (24hrs): Start** 0820 **End** 0954

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** GOOD

Type of material dredged: mud

Weather conditions: rain / sun

Tidal stage (CIRCLE ONE): Slack Rising High (Falling) Low Unknown .5

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1.5-2 ft **Wind (speed & direction):** 15-20 mph

AIR TEMP: 18° (C)/F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° (C)/F **Column (mid-depth)** 16° (C)/F **Bottom** ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS: " " "

SKIMMER CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

Shark (any species)

Horseshoe crab 1 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: Cindy Franz **Observer firm** Coastwise Consulting, Inc

Observer signature Cindy Franz

AREA BEING DREDGED: Bouys - 16-20
Stations - 700-800
0923 TT 2-3

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 162 **LOAD start date:** 12-7 **Times (24hrs): Start** 1032 **End** 1204

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

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) .5 Low Unknown

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1.5 **ft** **Wind (speed & direction):** NE 10-15 kts

AIR TEMP: 19° (°C)/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16°C °C/°F **Column (mid-depth)** 16°C °C/°F **Bottom** ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: MUD, TRASH, WOOD, SHELL

STARBOARD SCREEN CONTENTS: MUD, TRASH, WOOD, SHELL

SKIMMER CONTENTS: MUD, TRASH

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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

Observer signature [signature]

AREA BEING DREDGED: Bouys - 16-20
Stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 163 **LOAD start date:** 12/06/04 **Times (24hrs): Start** 1222 **End** 1357

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

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 +.55

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3 = 7-10 knot/ 2 ft)	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1.5 **ft Wind (speed & direction):** 10-15 kts NE

AIR TEMP: 22°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16°C **°C/°F Column (mid-depth)** 16°C **°C/°F Bottom** ____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD, SHELL

STARBOARD SCREEN CONTENTS: TRASH, WOOD, VEGETATION, SHELL, 1 - SPIDER CRAB

SKIMMER CONTENTS: MUD, TRASH, —

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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: 1305 - 1 Tt sdbd mid ship

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

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

Observer signature [signature]

AREA BEING DREDGED: Buoys - 16-20
Stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 164 **LOAD start date:** 12/07/04 **Times (24hrs): Start** 1423 **End** 1608

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** GOOD

Type of material dredged: MUD / SILT

Weather conditions: PARTLY CLOUDY / SUNNY

Tidal stage (CIRCLE ONE): Slack (Rising) **High Falling Low Unknown** 0.71

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3 =) 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 **ft Wind (speed & direction):** 5-10 kts

AIR TEMP: 23°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16°C °C/°F **Column (mid-depth)** 16°C °C/°F **Bottom** 16°C °C/°F

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

PORT SCREEN CONTENTS: TRASH, WOOD, VEGETATION, SHELL

STARBOARD SCREEN CONTENTS: TRASH, WOOD, VEGETATION, SHELL

SKIMMER CONTENTS: MUD, TRASH

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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

Observer signature [signature]

AREA BEING DREDGED: Bouys - 16-20
Stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R002 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 165 **LOAD start date:** 12/07/04 **Times (24hrs): Start** 1625 **End** 1802

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** GOOD

Type of material dredged: MUD, SILT

Weather conditions: CLEAR, SUNNY

Tidal stage (CIRCLE ONE): Slack (Rising) High Falling Low Unknown +1.08

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3 = 7-10 knot/ 2 ft)	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft Wind (speed & direction):** NW5-10

AIR TEMP: 20°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16°C **°C/°F Column (mid-depth)** 16°C **°C/°F Bottom** 16°C **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD, SHELL

STARBOARD SCREEN CONTENTS: TRASH, WOOD, SHELL

SKIMMER CONTENTS: MUD, TRASH

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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.

Observer signature N. Zy

AREA BEING DREDGED: Bouys - 16-20
Stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 166 **LOAD start date:** 12/07/04 **Times (24hrs): Start** 1820 **End** 1955

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

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 +1.34

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2 =) 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 18°C **ft** **Wind (speed & direction):** 5-10 KTS NW

AIR TEMP: ____ **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16°C **°C/°F** **Column (mid-depth)** 16°C **°C/°F** **Bottom** ____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: SHELL, TRASH, WOOD

STARBOARD SCREEN CONTENTS: TRASH, WOOD, SHELL

SKIMMER CONTENTS: MUD, TRASH

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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

Observer signature [illegible]

AREA BEING DREDGED: Bouys - 16-20
Stations - 700-800

ENDANGERED SPECIES OF SERVER PROGRAM
LOAD DAY FORM

USACE DISTRICT: MOBILE, A[illegible]
CONTRACT #: W91278-04-R[illegible] PROJECT start date 11/25/04
PROJECT NAME: Gulfport H[illegible] DREDGE NAME: Bayport
DREDGE FIRM: Manson

LOAD #: 167 LOAD start date: [illegible] Times (24hrs): Start 2014 End 2205

Condition of screening: Port GOOD Starboard GOOD Overflow 50% REMOVED

Number of dragheads in use: 2 Type of dragheads used: CALIFORNIA SINGLE TOW Size of dragheads: 8'
Draghead deflector? YES X NO [illegible] Condition of deflector: GOOD

Type of material dredged: MUD/SILT

Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown +1.32

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 ft Wind (speed & direction) [illegible]

AIR TEMP: 18°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 16°C °C/°F Column (mid-depth) 16°C °C/°F Bottom 16°C °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD, VEGETATION, SHELL

STARBOARD SCREEN CONTENTS: [illegible] VEGETATION, SHELL

SKIMMER CONTENTS [illegible]

Estimate number entrained on this load for the following:
Sturgeon (any species) NONE [illegible]
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
Observer signature [illegible]

AREA BEING DREDGED: Bouys ÷ 16-20
Stations ÷ 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 168 **LOAD start date:** 12/~~04~~ 02/04 **Times (24hrs): Start** 2222 **End** ~~00~~ __

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

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 +1.24

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2 =) 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 **ft** **Wind (speed & direction):** S-10 KTS

AIR TEMP: 18°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16°C **°C/°F** **Column (mid-depth)** 16°C **°C/°F** **Bottom** 16°C **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD, SHELL

STARBOARD SCREEN CONTENTS: TRASH, WOOD SHELL

SKIMMER CONTENTS: MUD TRASH

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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. ZAVINSKY **Observer firm** Coastwise Consulting, Inc

Observer signature N. Zavinsky

AREA BEING DREDGED: Buoys - 16-20
Stations - 70W-80W

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 169 **LOAD start date:** 12-8 **Times (24hrs): Start** 0016 **End** 0145

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** GOOD

Type of material dredged: mud

Weather conditions: light winds

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/21 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** 10-13 mph

AIR TEMP: 16° (°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% 50% Removed
___	**Other screening:**	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS: " " "

SKIMMER CONTENTS:

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** none found
- **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: Cindy Franz **Observer firm** Coastwise Consulting, Inc

Observer signature Cindy Franz

AREA BEING DREDGED: Buoys - 16-20
Stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 170 **LOAD start date:** 12-8 **Times (24hrs): Start** 0202 **End** 0345

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

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 (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** 10-13 mph

AIR TEMP: 16° (°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% 50% Removed
____	**Other screening:**	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS: ____

SKIMMER CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** Coastwise Consulting, Inc

Observer signature Cindy Franz

AREA BEING DREDGED: Buoys - 16-20
Stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 171 **LOAD start date:** 12-8 **Times (24hrs): Start** 0400 **End** 0547

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt

Weather conditions: _____

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** 13 mph

AIR TEMP: 16° (C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16.5 (C) °F **Column (mid-depth)** 16° (C) °F **Bottom** _____ °C / °F

SCREEN TYPE

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

PORT SCREEN CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS: " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

buoys - 16-20
stations 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 172 **LOAD start date:** 12-8 **Times (24hrs): Start** 0608 **End** 0738

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt

Weather conditions: developing clouds

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-1.5 **ft** **Wind (speed & direction):** N 15 mph

AIR TEMP: 17° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16.5 (°C) °F **Column (mid-depth)** 16° (°C) °F **Bottom** _____ °C / °F

SCREEN TYPE

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

PORT SCREEN CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS: " " " 1 horseshoe crab

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

Shark (any species) ↓

Horseshoe crab 1 horshoe crab

Blue crab none found

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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

buoys - 16-20

stations - 700-800

0710 Tt in the channel, close to port bow

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 173 **LOAD start date:** 12-8 **Times (24hrs): Start** 0820 **End** 0935

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt

Weather conditions: developing thick clouds

Tidal stage (CIRCLE ONE): Slack (Rising) 2 **High Falling Low Unknown**

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** N 10mph

AIR TEMP: 18° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16.5 (°C) °F **Column (mid-depth)** 16° (°C) °F **Bottom** ____ °C / °F

SCREEN TYPE

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

PORT SCREEN CONTENTS: trash, wood, shell, 1 horseshoe crab

STARBOARD SCREEN CONTENTS: " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

Shark (any species) ↓

Horseshoe crab 1 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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

H 0927 2 buoy 15 buoys - 16-20

stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 174 **LOAD start date:** 12-8 **Times (24hrs): Start** 0956 **End** 1120

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Jew **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud / silt

Weather conditions: _____

Tidal stage (CIRCLE ONE): Slack (Rising) 5 **High Falling Low Unknown**

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** N 10-13 mph

AIR TEMP: 22° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16.5 (°C) °F **Column (mid-depth)** 16° °C/°F **Bottom** _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS: " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Fraus **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Fraus

buoys - 16-20

stations - 700-800

1042 approx 100 brown pelicans floating in the water

Tt 1032 2 in channel near buoy 20

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 175 **LOAD start date:** 12/08/04 **Times (24hrs): Start** 1141 **End** 1310

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

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** +.90

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft Wind (speed & direction):** N 10-15 k/s

AIR TEMP: 22°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16.5 **(°C)/°F Column (mid-depth)** 16°C **°C/°F Bottom** _____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH wood vegetation, SHELL

STARBOARD SCREEN CONTENTS: TRASH, WOOD, VEGETATION, SHELL / SEA STAR

Skimmer Contents TRASH, MUD

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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.

Observer signature N. Zy

buoys - 16-20
stations - 7W-8W

T.L. 3 off Stbd Starr @ 1242 IN Channel

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 176 **LOAD start date:** 12/08/04 **Times (24hrs): Start** 1332 **End** 1507

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

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 (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3 = 7-10 knot/ 2 ft)	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** 10-15 kts N

AIR TEMP: 20°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16.5°C °C/°F **Column (mid-depth)** 16°C °C/°F **Bottom** ____ °C/°F

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

PORT SCREEN CONTENTS: TRASH, VEGETATION, SHELL, WOOD, 2 Horseshoe Crabs

STARBOARD SCREEN CONTENTS: TRASH, SHELL, VEGETATION, WOOD

Skimmer Contents MUD TRASH

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
Shark (any species) " "
Horseshoe crab 2 in ~~Sl~~ Port Box
Blue crab NONE FOUND

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.

Observer signature N. Z

buoys - 16-20
stations - 7W - 8W

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 177 **LOAD start date:** 12/08/04 **Times (24hrs): Start** 1531 **End** 1703

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

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 + 1.9

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft Wind (speed & direction):** 5-10 kt N

AIR TEMP: 20°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16.5°C °C/°F **Column (mid-depth)** 16°C °C/°F **Bottom** _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, VEGETATION, WOOD, SHELL

STARBOARD SCREEN CONTENTS: TRASH, WOOD, SHELL, VEGETATION

Skimmer Contents MUD, TRASH

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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.

Observer signature N. Z

buoys -
stations -

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 178 **LOAD start date:** 12/08/04 **Times (24hrs): Start** 1724 **End** 1848

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

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 +1.9

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** N5-10 kts

AIR TEMP: 19.5°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16.5°C **°C/°F** **Column (mid-depth)** 16°C **°C/°F** **Bottom** ____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, VEGETATION, WOOD, SHELL

STARBOARD SCREEN CONTENTS: TRASH, VEGETATION, WOOD, SHELL

Skimmer Contents MUD, TRASH

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE Sighted

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.

Observer signature N. Zy

buoys-
stations-

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W912P8-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 179 **LOAD start date:** 12/08/04 **Times (24hrs): Start** 1906 **End** 2026

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

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 +1.46

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2 =) 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** 0-5 N kts

AIR TEMP: 19.5°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16.5°C **°C/°F** **Column (mid-depth)** 16.[illegible]°C **°C/°F** **Bottom** ____ **°C/°F**

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

PORT SCREEN CONTENTS: TRASH, WOOD, SHELL, VEGETATION

STARBOARD SCREEN CONTENTS: TRASH, WOOD, SHELL, VEGETATION

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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. ZAVINSKI **Observer firm** Coastwise Consulting Inc.

Observer signature [illegible]

buoys - 16-20
stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 180 **LOAD start date:** 12/08/04 **Times (24hrs): Start** 2045 **End** 2200

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt

Weather conditions: OVERCAST, HEAVY FOG

Tidal stage (CIRCLE ONE): Slack Rising High (Falling) Low Unknown ~~#~~ 146

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3 =) 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: ~~3~~ 1 **ft** **Wind (speed & direction):** N 5-10kts

AIR TEMP: 21°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16°C (°C/°F) **Column (mid-depth)** 16°C **°C/°F** **Bottom** ____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD, SHELL FRAGMENTS

STARBOARD SCREEN CONTENTS: TRASH, WOOD, SHELL FRAGMENTS

Skimmer Contents MUD

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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.

Observer signature

buoys - 16 - 20
stations - 700 - 800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 181 **LOAD start date:** 12/08/04 **Times (24hrs): Start** 22 7 **End** 2334

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud / silt

Weather conditions: HEAVY FOG Ø VISIBILITY

Tidal stage (CIRCLE ONE): Slack Rising High (Falling) Low Unknown +1.31

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** X/5-10

AIR TEMP: 20°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16.5°C °C/°F **Column (mid-depth)** 16°C °C/°F **Bottom** _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD SHELL

STARBOARD SCREEN CONTENTS: TRASH WOOD SHELL

Skimmer Contents: MUD

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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.

Observer signature [signature]

Area Being Dredged buoys - 16-20
stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 182 **LOAD start date:** 12-9 **Times (24hrs): Start** 0000 **End** 0130

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud / silt

Weather conditions: foggy

Tidal stage (CIRCLE ONE): Slack Rising High (Falling) Low Unknown 8'

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1/2 **ft** **Wind (speed & direction):** calm

AIR TEMP: 19 **(°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% 50% Removed
___	**Other screening:**	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: _____

STARBOARD SCREEN CONTENTS: _____

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - 16-20
stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R00 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 183 **LOAD start date:** 12-9 **Times (24hrs):** **Start** 0150 **End** 0320

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified CA Single Tow **Size of dragheads:** 8'

Draghead deflector? **YES** ____ **NO** ____ **Condition of deflector:** good

Type of material dredged: mud/silt

Weather conditions: foggy/calm

Tidal stage (CIRCLE ONE): **Slack** **Rising** **High** **Falling** (12) **Low** **Unknown**

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1/2 **ft** **Wind (speed & direction):** very calm

AIR TEMP: 19° (C)/F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17° (C)/F **Column (mid-depth)** 17° (C)/F **Bottom** _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS: " " "

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

buoys - 16-20

stations 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 184 **LOAD start date:** 12-9 **Times (24hrs): Start** 0338 **End** 0512

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt

Weather conditions: fog

Tidal stage (CIRCLE ONE): Slack Rising High (Falling) Low Unknown -.0

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1/2 **ft** **Wind (speed & direction):** light winds

AIR TEMP: 19° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17° (°C) °F **Column (mid-depth)** 17° (°C) °F **Bottom** ____ °C / °F

SCREEN TYPE

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

PORT SCREEN CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS: " " "

Skimmer Contents

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** none found
- **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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - 16-20

stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 185 **LOAD start date:** 12-9 **Times (24hrs): Start** 0529 **End** 0650

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt

Weather conditions: rain / lightening

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** light winds

AIR TEMP: 19° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17° (°C) °F **Column (mid-depth)** 17° (°C) °F **Bottom** _____ °C / °F

SCREEN TYPE

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

PORT SCREEN CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS: " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - 16-20
stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 186 **LOAD start date:** 12-9 **Times (24hrs): Start** 0709 **End** 0830

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt

Weather conditions: rain / lightening

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1.5 **ft** **Wind (speed & direction):** SW 15 mph

AIR TEMP: 19.5 **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17.0 **°C/°F** **Column (mid-depth)** 17.0 **°C/°F** **Bottom** _____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: Did not check this load due to lightening.

STARBOARD SCREEN CONTENTS: Boxes will remain closed.

Skimmer 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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - 12-16
stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 187 **LOAD start date:** 12-9 **Times (24hrs): Start** 0848 **End** 1002

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt

Weather conditions: lightening

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 **ft** **Wind (speed & direction):** SW 20-25 mph

AIR TEMP: 19° (C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17° (C) °F **Column (mid-depth)** 17° (C) °F **Bottom** _____ °C / °F

SCREEN TYPE

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

PORT SCREEN CONTENTS: skate trash, wood, shell

STARBOARD SCREEN CONTENTS: " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** none found
- **Shark (any species)** ↓
- **Horseshoe crab** 1 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: NA

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

Observer's name: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - 16-20
stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 188 **LOAD start date:** 12-9 **Times (24hrs): Start** 1023 **End** 1136

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt

Weather conditions: lightening moving out 10:56 rain returns 11:15 rain stops

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1.5-2 **ft** **Wind (speed & direction):** SW 20-25 mph

AIR TEMP: 19° (°C)/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17° (°C)/°F **Column (mid-depth)** 17° (°C)/°F **Bottom** _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD, VEGETATION, SHELL

STARBOARD SCREEN CONTENTS: TRASH, WOOD, VEGETATION, SHELL

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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.

Observer signature N. Zy

Tt 1056 2 following dredge

Area Being Dredged buoys - 16-20

stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 189 **LOAD start date:** 12/09/04 **Times (24hrs): Start** 1154 **End** 1319

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt

Weather conditions: OVERCAST, INTERMIT. RAIN / LIGHTENING

Tidal stage (CIRCLE ONE): Slack (Rising) **High Falling Low Unknown** .56'

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-3 **ft** **Wind (speed & direction):** SW 20-25 kts

AIR TEMP: 21°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C **°C/°F Column (mid-depth)** 17°C **°C/°F Bottom** ____ **°C/°F**

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

PORT SCREEN CONTENTS: TRASH, VEGETATION, SHELL, WOOD

STARBOARD SCREEN CONTENTS: TRASH VEGETATION, SHELL, WOOD

Skimmer Contents, MUD, TRASH

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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.

Observer signature N. Zy

Area Being Dredged buoys - 16-20
stations - 7N - 8N

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 190 **LOAD start date:** 12/09/04 **Times (24hrs): Start** 1336 **End** 1500

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Jew **Size of dragheads:** 8'

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 0.77

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-3 **ft** **Wind (speed & direction):** NW 15-20 kts

AIR TEMP: 20°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD, VEGETATION, SHELL

STARBOARD SCREEN CONTENTS: TRASH, WOOD, VEGETATION, SHELL, 2 Horseshoe Crabs

Skimmer Contents: MUD, TRASH

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

Shark (any species) " "

Horseshoe crab 2 IN Stbd Box

Blue crab NONE FOUND

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.

Observer signature N. Zy

Area Being Dredged buoys - 16-20
stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 191 **LOAD start date:** 12/09/04 **Times (24hrs): Start** 1519 **End** 1649

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

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 +1.02

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3 =) 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4 =) 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft** **Wind (speed & direction):** NW 15-20kts

AIR TEMP: 20°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C **°C/°F** **Column (mid-depth)** 17°C **°C/°F** **Bottom** ____ **°C/°F**

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

PORT SCREEN CONTENTS: TRASH, VEGETATION, WOOD, SHELL

STARBOARD SCREEN CONTENTS: TRASH, SHELL, WOOD, VEGETATION

Skimmer Contents: MUD, TRASH

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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: 2 Tursiops truncatus 1556 aft of dredge in channel

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

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

Observer signature N. Zy

Area Being Dredged buoys - 16 - 20
stations - 700 - 800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 192 **LOAD start date:** 12/09/04 **Times (24hrs): Start** 1707 **End** 1827

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

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 +1.02

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft** **Wind (speed & direction):** 10 - 15 kts NW

AIR TEMP: 20°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: VEGETATION, TRASH, WOOD, SHELL

STARBOARD SCREEN CONTENTS: VEGETATION, TRASH, SHELL, WOOD

Skimmer Contents: MUD

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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.

Observer signature N. Zy

Area Being Dredged buoys - 16-20
stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 193 **LOAD start date:** 12/09/04 **Times (24hrs): Start** 1842 **End** 2003

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud / silt

Weather conditions: CLEAR / PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack Rising (High) Falling Low Unknown +1.02

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-3 **ft Wind (speed & direction):** 10-15 kts NW

AIR TEMP: 19°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C **°C/°F Column (mid-depth)** 17°C **°C/°F Bottom** _____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, VEGETATION, WOOD, SHELL

STARBOARD SCREEN CONTENTS: TRASH, VEGETATION, WOOD, SHELL

Skimmer Contents MUD, TRASH

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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.

Observer signature [signature]

Area Being Dredged buoys - 16-20
stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 194 **LOAD start date:** 12/09/04 **Times (24hrs): Start** 2018 **End** 2142

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

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 7/.02

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft Wind (speed & direction):** 10-15 kts NW

AIR TEMP: 19°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH WOOD, SHELL

STARBOARD SCREEN CONTENTS: TRASH, WOOD, SHELL

Skimmer Contents: MUD, TRASH

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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.

Observer signature [signature]

Area Being Dredged buoys - 16-20
stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 195 **LOAD start date:** 12/09/04 **Times (24hrs): Start** 2158 **End** 2316

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

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 Tide gauge not changing

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft** **Wind (speed & direction):** 10-15 kts NW

AIR TEMP: 18°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C **°C/°F** **Column (mid-depth)** 17°C **°C/°F** **Bottom** _____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD, SHELL

STARBOARD SCREEN CONTENTS: TRASH WOOD SHELL

Skimmer Contents: MUD, TRASH

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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.

Observer signature N. Zawinski

Area Being Dredged buoys - 16 - 20
stations - 700 - 800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 196 **LOAD start date:** 12/09/04 **Times (24hrs): Start** 2335 **End** 0056

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

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 (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2' **ft** **Wind (speed & direction):** 10-15 kts

AIR TEMP: 18°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C **°C/°F** **Column (mid-depth)** 17°C **°C/°F** **Bottom** ____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: ____

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - 16-20
stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 197 **LOAD start date:** 12-10 **Times (24hrs): Start** 0115 **End** 0227

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

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 (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1½ **ft Wind (speed & direction):** 15-20 mph

AIR TEMP: 18° **(C)/F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17° **(C)/F Column (mid-depth)** 17° **(C)/F Bottom** ____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS:

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - 16-20
stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 198 **LOAD start date:** 12-10 **Times (24hrs): Start** 0248 **End** 0408

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

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 (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 **ft** **Wind (speed & direction):** W 10-15 mph

AIR TEMP: 17° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17° (°C) °F **Column (mid-depth)** 17° (°C) °F **Bottom** _____ °C / °F

SCREEN TYPE

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

PORT SCREEN CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS: " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - 16-20
stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 199 **LOAD start date:** 12-10 **Times (24hrs): Start** 0428 **End** 0608

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

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 (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 **ft Wind (speed & direction):** W 13mph

AIR TEMP: 17° °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17° °C/°F **Column (mid-depth)** 17° °C/°F **Bottom** ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS: " " "

Skimmer Contents

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** none found
- **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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - 16-20
stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 200 **LOAD start date:** 12-10 **Times (24hrs): Start** 0624 **End** 0745

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

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) 5 **Low (Unknown)**

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 **ft** **Wind (speed & direction):** W 15mph

AIR TEMP: 17° **(°C)/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17° **(°C)/°F** **Column (mid-depth)** 17° **(°C)/°F** **Bottom** _____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS: " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - 16-20
stations - 700-800

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 201 **LOAD start date:** 12-10 **Times (24hrs): Start** 0802 **End** 0928

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Single Tow Modified California **Size of dragheads:** 8'

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) .5

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	(5) = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft** **Wind (speed & direction):** W 20mph

AIR TEMP: 17° (°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% 50% Removed
	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS: " " " 1 shrimp

Skimmer Contents

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** none found
- **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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - 16-20
stations - 700-800

Tt 0810 2 by buoy 16

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 202 **LOAD start date:** 12-10 **Times (24hrs): Start** 0954 **End** 1100

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

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 -.5 **Low Unknown** X

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2+ **ft** **Wind (speed & direction):** W 15-20 mph

AIR TEMP: 20° °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17° °C/°F **Column (mid-depth)** 17° °C/°F **Bottom** ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: 14" flounder, trash, wood, shell

STARBOARD SCREEN CONTENTS: " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys -
"New Area" stations - 700 - 595

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W912P8-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 203 **LOAD start date:** 12/10/04 **Times (24hrs): Start** 1130 **End** 1259

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: CLEAR

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-3 **ft Wind (speed & direction):** 15-20 kts

AIR TEMP: 19°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C **°C/°F Column (mid-depth)** 17°C **°C/°F Bottom** _____ **°C/°F**

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

PORT SCREEN CONTENTS: 21 Horseshoe crabs, 1 seastar, 15" flounder, ~~1 seastar~~ 1 spider crab, 1 Seacucumber, 2 unidentified crabs, TRASH WOOD, VEGETATION, SHELL

STARBOARD SCREEN CONTENTS: 11 Horseshoe crabs, 2 sea stars, 13" flounder 7 unidentified Annelids TRASH WOOD VEGETATION SHELL Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

Shark (any species) " "

Horseshoe crab 21 Port box, 11 Stbd box For A TOTAL of 32

Blue crab NONE FOUND

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.

Observer signature N. Zy

Area Being Dredged buoys - stations -595-700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 204 **LOAD start date:** 12/10/04 **Times (24hrs): Start** 1357 **End** 1542

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: Clear & Sunny

Tidal stage (CIRCLE ONE): Slack (Rising) High Falling Low Unknown +0.70

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	(5 = 17-21 knot/ 6 ft)	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-3' ft **Wind (speed & direction):** NW 25-30kts

AIR TEMP: ____ °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C °C/°F **Column (mid-depth)** 17°C °C/°F **Bottom** ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD, VEGETATION, 1 UNIDENTIFIED EEL, SHELL

STARBOARD SCREEN CONTENTS: TRASH, WOOD, VEGETATION, SHELL, 1 UNIDENTIFIED CRAB

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

Shark (any species) " "

Horseshoe crab 7 - 6 STARBOARD BOX, 1 PORT BOX

Blue crab None Found

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. ZALINSKY **Observer firm** Coastwise Consulting Inc.

Observer signature [signature]

Area Being Dredged buoys - stations - 595 - 700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 205 **LOAD start date:** 12/10/04 **Times (24hrs): Start** 1606 **End** 1730

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: Clear & sunny, HIGH winds

Tidal stage (CIRCLE ONE): Slack **Rising** **High** **Falling** **Low** **Unknown** + 1.03

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 3-4 **ft** **Wind (speed & direction):** 25-30 kts NW

AIR TEMP: 20°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C **°C/°F** **Column (mid-depth)** 17°C **°C/°F** **Bottom** _____ **°C/°F**

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

PORT SCREEN CONTENTS: TRASH WOOD vegetation, shell

STARBOARD SCREEN CONTENTS: TRASH, VEGETATION, WOOD, SHELL, 1 unidentified Crab & 1 horseshoe crab

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

Shark (any species) " "

Horseshoe crab 1-in stbd box

Blue crab None FOUND

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.

Observer signature N. Zy

Area Being Dredged buoys-
stations-

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 206 **LOAD start date:** 12/10/04 **Times (24hrs): Start** 1752 **End** 1910

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud/silt/SAND

Weather conditions: CLEAR - HIGH WINDS

Tidal stage (CIRCLE ONE): Slack (Rising) High Falling Low Unknown + 1.6

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 3-4 **ft** **Wind (speed & direction):** 25-30 kts

AIR TEMP: 17°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C **°C/°F** **Column (mid-depth)** 17°C **°C/°F** **Bottom** ____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, VEGETATION, WOOD, SHELL / H. Shoe Crab

STARBOARD SCREEN CONTENTS: TRASH VEGETATION WOOD SHELL

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
Shark (any species) " "
Horseshoe crab 1 - Port Bay
Blue crab NONE FOUND

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.

Observer signature on file

Area Being Dredged buoys - stations - 595-700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 207 **LOAD start date:** 12/10/04 **Times (24hrs): Start** 1938 **End** 2035

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Single Tow modified California **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud/silt/SAND

Weather conditions: CLEAN HEAVY WINDS

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown +2.0

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 3-4 **ft Wind (speed & direction):** NW 30-35 mph

AIR TEMP: ____ **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C **°C/°F Column (mid-depth)** 17°C **°C/°F Bottom** 17°C **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, VEGETATION, SHELL, WOOD

STARBOARD SCREEN CONTENTS: TRASH, SHELL, VEGETATION, WOOD

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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. JAVINSKY **Observer firm** Coastwise Consulting Inc.

Observer signature [illegible]

Area Being Dredged buoys - stations - 595-700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 208 **LOAD start date:** 12/10/04 **Times (24hrs): Start** 2100 **End** 2230

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud/silt/sand

Weather conditions: CLEAR HIGH WINDS

Tidal stage (CIRCLE ONE): Slack Rising (High) Falling Low Unknown +2.0

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: ~~3~~-4 **ft** **Wind (speed & direction):** NW 25-30 MPH

AIR TEMP: 16°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C **°C/°F** **Column (mid-depth)** 17°C **°C/°F** **Bottom** _____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, VEGETATION, SHELL, WOOD

STARBOARD SCREEN CONTENTS: " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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.

Observer signature N. Z

Area Being Dredged buoys - stations - 595 - 700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 209 **LOAD start date:** 12/20/04 **Times (24hrs): Start** 2254 0050 **End** 0020

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Single Jew Modified California **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud/silt/SAND

Weather conditions: CLEAN, HIGH WINDS

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 3-4 **ft** **Wind (speed & direction):** NW 25-30 MPH

AIR TEMP: 15°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 17°C **°C/°F Column (mid-depth)** 17°C **°C/°F Bottom** _____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: 1 horseshoe crab, grasses, trash

STARBOARD SCREEN CONTENTS: " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) _____

Shark (any species) _____

Horseshoe crab 2 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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - stations - 595 - 700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 210 **LOAD start date:** 12-11 **Times (24hrs): Start** 0050 **End** 0228

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Jew **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt

Weather conditions: _____

Tidal stage (CIRCLE ONE): Slack Rising High (Falling) Low Unknown 1:4

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft** **Wind (speed & direction):** NW 30 mph

AIR TEMP: 13° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° (°C) °F **Column (mid-depth)** 16° (°C) °F **Bottom** _____ °C / °F

SCREEN TYPE

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

PORT SCREEN CONTENTS: horseshoe crab, grass, trash, shell

STARBOARD SCREEN CONTENTS: " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** _____
- **Shark (any species)** _____
- **Horseshoe crab** 4 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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - stations - 595-700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 211 **LOAD start date:** 12-11 **Times (24hrs): Start** 0257 **End** 0430

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

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 (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	(5) = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft** **Wind (speed & direction):** NW 30 mph

AIR TEMP: 13° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° (°C) °F **Column (mid-depth)** 16° (°C) °F **Bottom** ____ °C / °F

SCREEN TYPE

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

PORT SCREEN CONTENTS: horseshoe crab, trash, grass, shell

STARBOARD SCREEN CONTENTS: " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

Shark (any species) ↓

Horseshoe crab 2 horseshoe crabs

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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - stations - 595 - 700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 212 **LOAD start date:** 12-11 **Times (24hrs): Start** 0515 **End** 0640

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

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 -8 **Low Unknown**

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft** **Wind (speed & direction):** 25-30 mph

AIR TEMP: 12° °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° °C/°F **Column (mid-depth)** 16° °C/°F **Bottom** ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: horseshoe crab, trash, grass, shell

STARBOARD SCREEN CONTENTS: " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab 6 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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - stations - 595 - 700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 213 **LOAD start date:** 12-11 **Times (24hrs): Start** 0719 **End** 0823

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt

Weather conditions: partly cloudy / sunny

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown -1.0

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft Wind (speed & direction):** 25 mph

AIR TEMP: 11° °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16 °C/°F **Column (mid-depth)** 16 °C/°F **Bottom** ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: horseshoe crab, grass, trash, shell

STARBOARD SCREEN CONTENTS: " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab 5 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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - stations - 595 - 700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 214 **LOAD start date:** 12-11 **Times (24hrs): Start** 0849 **End** 10--

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud / silt

Weather conditions: mostly sunny

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1.5-2 **ft** **Wind (speed & direction):** NW 20mph

AIR TEMP: 10° °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° °C/°F **Column (mid-depth)** 16° °C/°F **Bottom** _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: grass, trash, shell, horseshoe crab

STARBOARD SCREEN CONTENTS: " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) _____

Shark (any species) _____

Horseshoe crab 6 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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - stations - 595 - 700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 215 **LOAD start date:** 12-11 **Times (24hrs): Start** 1100 **End** 1230

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud/silt, SAND

Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack (Rising)? High Falling Low (Unknown)? 0.0V Just reset

Beaufort Sea States (Winds/Waves Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3 = 7-10 knot/ 2 ft)	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft Wind (speed & direction):** 10- mph

AIR TEMP: 16° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° (°C) °F **Column (mid-depth)** 16° (°C) °F **Bottom** _____ °C/°F

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

PORT SCREEN CONTENTS: TRASH, VEGETATION, SHELL, WOOD, 3 Horseshoe crabs, 1 unidentified fish

STARBOARD SCREEN CONTENTS: TRASH, VEGETATION, SHELL, WOOD, 6 Horseshoe Crabs, 1 unidentified crab, 1 unidentified annelid

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) _____

Shark (any species) _____

Horseshoe crab 9 Horseshoe Crabs (3 port & 6 Starboard)

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. ZAVINSKY **Observer firm** Coastwise Consulting Inc.

Observer signature N. Z

Area Being Dredged buoys - stations - 595 - 700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 216 **LOAD start date:** 12/11/04 **Times (24hrs): Start** 1256 **End** 1432

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud/silt/SAND

Weather conditions: CLEAR

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

Beaufort Sea States (Wind/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3 = 7-10 knot/ 2 ft)	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft** **Wind (speed & direction):** 7-10 kts

AIR TEMP: 13°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16°C **°C/°F** **Column (mid-depth)** 16°C **°C/°F** **Bottom** ____ **°C/°F**

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

PORT SCREEN CONTENTS: TRASH, WOOD, VEGETATION, SHELL, 3 HS CRABS

STARBOARD SCREEN CONTENTS: TRASH, WOOD, VEGETATION, SHELL, 1 HS CRAB, 1 UNIDENTIFIED CRAB, 1 WELK

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

Shark (any species) " "

Horseshoe crab 4 Found 3 Port, 1 STBD boxes

Blue crab NONE FOUND

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.

Observer signature N. Z

Area Being Dredged buoys - stations - 595 - 700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W912P8-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 217 **LOAD start date:** 12/11/04 **Times (24hrs): Start** 1300 **End** 1626

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Single Tow modified California **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: CLEAR w/ A FEW SCATTERED CLOUDS

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3 = 7-10 knot/ 2 ft)	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft** **Wind (speed & direction):** 5-10 kts W

AIR TEMP: 15°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16°C **°C/°F** **Column (mid-depth)** 16°C **°C/°F** **Bottom** ____ **°C/°F**

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

PORT SCREEN CONTENTS: 4 Horseshoe crabs, TRASH, SHELL, WOOD VEGETATION

STARBOARD SCREEN CONTENTS: 7 HORSESHOE CRABS, TRASH SHELL WOOD, VEGETATION

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) None Found

Shark (any species) " "

Horseshoe crab 11 FOUND - 4 Port + 7 Stbd

Blue crab None FOUND

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.

Observer signature N. Zy

Area Being Dredged buoys - stations - 595-710

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 218 **LOAD start date:** 12/11/04 **Times (24hrs): Start** 1654 **End** 1838

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud/silt/SAND

Weather conditions: PARTY CLOUDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft** **Wind (speed & direction):** 5-10 mph

AIR TEMP: 12°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16°C **°C/°F** **Column (mid-depth)** 16°C **°C/°F** **Bottom** _____ **°C/°F**

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

PORT SCREEN CONTENTS: 3 HS Crabs, TRASH, WOOD, SHELL VEGETATION

STARBOARD SCREEN CONTENTS: 8 HS CRABS, TRASH WOOD, SHELL

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) _____

Shark (any species) _____

Horseshoe crab 11 FOUND: 3 PORT, 8 STBD

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.

Observer signature _____

Area Being Dredged buoys - stations - 591 - 700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, ALABAMA

CONTRACT #: W91278-04-R004 **Maintenance** X **/New Work** ____ **PROJECT start date** 11/25/04

PROJECT NAME: Gulfport HARBOR, MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 219 **LOAD start date:** 12/11/04 **Times (24hrs): Start** 1852 **End** 2026

Condition of screening: **Port** GOOD **Starboard** GOOD **Overflow** 50% REMOVED

Number of dragheads in use: 2 **Type of dragheads used:** MODIFIED CALIFORNIA SINGLE TOW **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** GOOD

Type of material dredged: MUD/SILT/SAND

Weather conditions: PARTLY CLOUDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft Wind (speed & direction):** 10-15 mph NW

AIR TEMP: 11°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16 **°C/°F Column (mid-depth)** 16 **°C/°F Bottom** ____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD, VEGETATION, SHELL
2 HS CRABS

STARBOARD SCREEN CONTENTS: TRASH, WOOD, VEGETATION, SHELL
3 HS CRABS, 1 UNIDENTIFIED EEL

SKIMMER CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
Shark (any species) " "
Horseshoe crab 5 FOUND: 3 STBD, 2 PORT
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.
Observer signature N. Zy

AREA BEING DREDGED: Buoys – Stations – 595-700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 220 **LOAD start date:** 12/11/04 **Times (24hrs): Start** 2054 **End** 2230

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: CLEAR

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3 = 7-10 knot/ 2 ft)	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 **ft** **Wind (speed & direction):** NW 5-10 mph

AIR TEMP: 11°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16°C **°C/°F Column (mid-depth)** 16°C **°C/°F Bottom** _____ **°C/°F**

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

PORT SCREEN CONTENTS: TRASH, WOOD, SHELL, VEGETATION

STARBOARD SCREEN CONTENTS: TRASH, WOOD, SHELL, VEGETATION

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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. Zawansky **Observer firm** Coastwise Consulting Inc.

Observer signature N. Zawansky

Area Being Dredged buoys - stations - 595 - 700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W912F8-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 221 **LOAD start date:** 12/11/04 **Times (24hrs): Start** 2245 **End** 0015

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack (Rising 23) **High** (~~Falling~~ 23) **Low** **Unknown**

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1/2-1 **ft** **Wind (speed & direction):** light winds

AIR TEMP: 11° (C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° (C) °F **Column (mid-depth)** 16° (C) °F **Bottom** _____ °C / °F

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

PORT SCREEN CONTENTS: horse shoe crab, trash, grass, wood, shell

STARBOARD SCREEN CONTENTS: " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) ___

Shark (any species) ___

Horseshoe crab 6

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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - stations - 595 - 700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 222 **LOAD start date:** 12-12 **Times (24hrs): Start** 0042 **End** 0216

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Single Jew modified California **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: clear

Tidal stage (CIRCLE ONE): Slack **Rising** 1.4 **High** **Falling** 1.4 **Low** **Unknown**

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1/2-1 **ft** **Wind (speed & direction):** calm

AIR TEMP: 11° °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° °C/°F **Column (mid-depth)** 16° °C/°F **Bottom** _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: horseshoe crab, trash, grass, wood, shell

STARBOARD SCREEN CONTENTS: " " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** _____
- **Shark (any species)** _____
- **Horseshoe crab** 5
- **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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - stations - 595 - 700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 223 **LOAD start date:** 12-12 **Times (24hrs): Start** 0245 **End** 0420

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: clear

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1/2-1 **ft** **Wind (speed & direction):** calm

AIR TEMP: 11° (°C)/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° (°C)/°F **Column (mid-depth)** 16° (°C)/°F **Bottom** _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: horse shoe crab, trash, grass, wood, shell

STARBOARD SCREEN CONTENTS: " " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) ___

Shark (any species) ___

Horseshoe crab 6

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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - stations - 595-700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 224 **LOAD start date:** 12-12 **Times (24hrs): Start** 0448 **End** 0609

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: clear

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1/2 **ft Wind (speed & direction):** calm

AIR TEMP: 110 (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° (°C) °F **Column (mid-depth)** 16° (°C) °F **Bottom** ____ °C / °F

SCREEN TYPE

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

PORT SCREEN CONTENTS: horseshoe crab, grass, trash, wood, shell

STARBOARD SCREEN CONTENTS: " " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab 3

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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - stations - 595-700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 225 **LOAD start date:** 12-12 **Times (24hrs): Start** 0633 **End** 0753

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Single Tow Modified California **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: sunny / calm

Tidal stage (CIRCLE ONE): Slack Rising High (Falling) Low Unknown -1.0

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1/2 **ft** **Wind (speed & direction):** light winds 5mph

AIR TEMP: 13 **(°C)/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° **(°C)/°F** **Column (mid-depth)** 16° **(°C)/°F** **Bottom** ____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: horseshoe crab, grass, trash, shell

STARBOARD SCREEN CONTENTS: " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab 6

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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - stations - 595-700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 226 **LOAD start date:** 12-12 **Times (24hrs): Start** 0824 **End** 1013

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Jew **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: sunny / clear / calm

Tidal stage (CIRCLE ONE): (Slack -1.0) **Rising High Falling Low Unknown**

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1/2 **ft** **Wind (speed & direction):** 5mph light winds

AIR TEMP: 17° (C) F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° (C) F **Column (mid-depth)** 16° (C) F **Bottom** _____ °C F

SCREEN TYPE

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

PORT SCREEN CONTENTS: horseshoe crab, grass, trash, shell

STARBOARD SCREEN CONTENTS: " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab 5

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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - stations - 595 - 700

TT 0850 2 in channel close to dredge

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 227 **LOAD start date:** 12-12 **Times (24hrs): Start** 1050 **End** 1227

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: sunny calm

Tidal stage (CIRCLE ONE): ~~Slack~~ +10 **Rising** **High** **Falling** **Low** **Unknown**

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1/2 **ft** **Wind (speed & direction):** 5mph

AIR TEMP: 17° °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16 °C/°F **Column (mid-depth)** 16° °C/°F **Bottom** _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, SHELL, VEGETATION, WOOD, 4 HS CRAB

STARBOARD SCREEN CONTENTS: " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

Shark (any species) " "

Horseshoe crab 4 IN PORT BX

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.

Observer signature N. Zavinsky

11:28 off pt by Ship Island

Area Being Dredged buoys - stations - 595-700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 228 **LOAD start date:** 12/12/04 **Times (24hrs): Start** 1253 **End** 1417

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: Sunny & Calm

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1/2 **ft** **Wind (speed & direction):** 5mph NW

AIR TEMP: 16°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16°C **°C/°F** **Column (mid-depth)** 16°C **°C/°F** **Bottom** _____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH WOOD VEGETATION ~~1250~~ SHELL 4 HORSESHOE CRABS & 20-25 unidentified worms

STARBOARD SCREEN CONTENTS: TRASH, WOOD, VEGETATION, SHELL, 1 SEASTAR 1 SPIDER CRAB, 8 HORSESHOE CRABS

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

Shark (any species) " "

Horseshoe crab 12 Found - 8 stbd - 4 port

Blue crab NONE FOUND

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.

Observer signature N. Z

Area Being Dredged buoys - stations - 595 - 700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 229 **LOAD start date:** 12/12/04 **Times (24hrs): Start** 1443 **End** 1635

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: CLEAR, CALM

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1.5-1 **ft** **Wind (speed & direction):** 5-10 ~~kts~~ MPH NW

AIR TEMP: 18°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16°C **°C/°F** **Column (mid-depth)** 16°C **°C/°F** **Bottom** _____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD, SHELL VEGETATION

STARBOARD SCREEN CONTENTS: TRASH, WOOD, SHELL, VEGETATION

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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.

Observer signature N. Z

Area Being Dredged buoys - stations - 595 - 700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 230 **LOAD start date:** 12/12/04 **Times (24hrs): Start** 1702 **End** 1754

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: CLEAR CALM

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: .5-1' ft **Wind (speed & direction):** 10-15 MPH NW

AIR TEMP: 16°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16°C °C/°F **Column (mid-depth)** 16°C °C/°F **Bottom** _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD, VEGETATION, SHELL, #11 Horseshoe Crabs

STARBOARD SCREEN CONTENTS: TRASH, WOOD, VEGETATION, SHELL, 7 Horseshoe Crabs

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

Shark (any species) "

Horseshoe crab 18 HS Crabs 11 Port 7 Stbd

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.

Observer signature N. Zawinsky

Area Being Dredged buoys - stations - 595 - 700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 231 **LOAD start date:** 12/12/04 **Times (24hrs): Start** 1820 **End** 2002

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud/silt/SAND

Weather conditions: Clear

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** 5-10 mph NW

AIR TEMP: 16°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16°C **°C/°F** **Column (mid-depth)** 16°C **°C/°F** **Bottom** _____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD, VEGETATION, SHELL

STARBOARD SCREEN CONTENTS: " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
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. Zawolsky **Observer firm** Coastwise Consulting Inc.

Observer signature [signature]

Area Being Dredged buoys - stations - 595 - 700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 232 **LOAD start date:** 12/12/04 **Times (24hrs): Start** 2030 **End** 2210

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: CLEAR

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** 5-10 mph

AIR TEMP: 16°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16°C **°C/°F** **Column (mid-depth)** 16°C **°C/°F** **Bottom** ____ **°C/°F**

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

PORT SCREEN CONTENTS: TRASH, WOOD, SHELL VEGETATION, 5 Horseshoe Crabs

STARBOARD SCREEN CONTENTS: " " " " , 7 Horseshoe crabs

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

Shark (any species) " "

Horseshoe crab 12 Horseshoe crabs (5 port, 7 Stbd)

Blue crab NONE FOUND

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.

Observer signature N. Zy

Area Being Dredged buoys - stations - 595 - 700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 233 **LOAD start date:** 12/12/04 **Times (24hrs): Start** 2237 **End** 0013

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Single Jew Modified California **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High (Falling) Low Unknown 22

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-3 **ft** **Wind (speed & direction):** 10-15 mph

AIR TEMP: 16°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16°C **°C/°F** **Column (mid-depth)** 16°C **°C/°F** **Bottom** _____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: horseshoe crab, grass, trash, wood, shell

STARBOARD SCREEN CONTENTS: " " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab 3

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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - stations - 595-700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 234 **LOAD start date:** 12-13 **Times (24hrs): Start** 0040 **End** 0202

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: ____

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

Beaufort Sea State (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3 = 7-10 knot/ 2 ft)	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** 15 mph

AIR TEMP: 17° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° (°C) °F **Column (mid-depth)** 16° (°C) °F **Bottom** ____ °C °F

SCREEN TYPE

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

PORT SCREEN CONTENTS: horseshoe crab, grass, trash, shell

STARBOARD SCREEN CONTENTS: " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** ____
- **Shark (any species)** ____
- **Horseshoe crab** 3
- **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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - stations - 595-700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 235 **LOAD start date:** 12-13 **Times (24hrs): Start** 0231 **End** 0357

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: _____

Tidal stage (CIRCLE ONE): Slack Rising High (Falling) Low Unknown 1.4

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** 15 mph

AIR TEMP: 16.5 (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° (C) °F **Column (mid-depth)** 16° (C) °F **Bottom** _____ °C / °F

SCREEN TYPE

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

PORT SCREEN CONTENTS: horseshoe crab, grass, trash, wood, shell

STARBOARD SCREEN CONTENTS: live spider crab, " " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** _____
- **Shark (any species)** _____
- **Horseshoe crab** 4
- **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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - stations - 595-700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W912P8-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 236 **LOAD start date:** 12-13 **Times (24hrs): Start** 0425 **End** 0543

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: sunny

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** 10 mph NNW

AIR TEMP: 16.5 (°C) / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16.0 (°C) / °F **Column (mid-depth)** 16.0 (°C) / °F **Bottom** _____ °C / °F

SCREEN TYPE

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

PORT SCREEN CONTENTS: horseshoe crab, grass, trash, wood, shell

STARBOARD SCREEN CONTENTS: " " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** ___
- **Shark (any species)** ___
- **Horseshoe crab** 3
- **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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - stations - 595-700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 237 **LOAD start date:** 12-13 **Times (24hrs): Start** 0613 **End** 0818

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: rain began 0615 then later sun

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

Beaufort Sea States (Wind/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-1.5 ft **Wind (speed & direction):** NNW 15-20 mph

AIR TEMP: 16.5 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° °C/°F **Column (mid-depth)** 16° °C/°F **Bottom** _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: horseshoe crab, grass, trash, shell

STARBOARD SCREEN CONTENTS: " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** ___
- **Shark (any species)** ___
- **Horseshoe crab** 7
- **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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

TT 0647 3-5 near buoy 21 2 sightings around for 1.5 hours

Area Being Dredged buoys - stations - 595-700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 238 **LOAD start date:** 12-13 **Times (24hrs): Start** 0843 **End** 1012

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: few clouds, sunny

Tidal stage (CIRCLE ONE): Slack Rising High (Falling) Low Unknown -10

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: ____ ft **Wind (speed & direction):** NNW 15-20 mph

AIR TEMP: 21° **(°C)/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° **(°C)/°F Column (mid-depth)** 16° **(°C)/°F Bottom** ____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: horseshoe crab, grass, trash, wood, shell

STARBOARD SCREEN CONTENTS:

Skimmer Contents

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** ____
- **Shark (any species)** ____
- **Horseshoe crab** 6
- **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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - stations - 595 - 700

0958 3 buoy 22

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 239 **LOAD start date:** 12-13 **Times (24hrs): Start** 1040 **End** 1216

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: sunny

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-1.5 **ft** **Wind (speed & direction):** NNW 10 mph

AIR TEMP: 190 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 160 °C/°F **Column (mid-depth)** 160 °C/°F **Bottom** _____ °C/°F

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

PORT SCREEN CONTENTS: 1 horseshoe crab, grass, trash, wood, shell

STARBOARD SCREEN CONTENTS: 3 " " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

Shark (any species) " "

Horseshoe crab 4 Horseshoe Crabs 3 stbd 1 port

Blue crab NONE FOUND

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.

Observer signature N. Z

Area Being Dredged buoys - 24 - 16

stations - 595-900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W912P8-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 240 **LOAD start date:** 12/13/04 **Times (24hrs): Start** 1235 **End** 1428

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: CLEAR WINDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 **ft** **Wind (speed & direction):** N 15-20 mph

AIR TEMP: 20°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16°C °C/°F **Column (mid-depth)** 16°C °C/°F **Bottom** _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: SHELL, WOOD, TRASH, VEGETATION

STARBOARD SCREEN CONTENTS: 1 Horseshoe crab, shell, WOOD, TRASH VEGETATION

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

Shark (any species) " "

Horseshoe crab 1 HORSESHOE CRAB - STBD BOX

Blue crab NONE FOUND

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.

Observer signature N. Zy

Area Being Dredged buoys - 16 - 20

stations - ~~[illegible]~~ 800 - 900

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 241 **LOAD start date:** 12/13/04 **Times (24hrs): Start** 1456 **End** 1710

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: PARTLY CLOUDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 **ft** **Wind (speed & direction):** 20-25 mph N

AIR TEMP: 19°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16°C °C/°F **Column (mid-depth)** 16°C °C/°F **Bottom** ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: WOOD, TRASH, VEGETATION, SHELL

STARBOARD SCREEN CONTENTS: WOOD, TRASH, VEGETATION, SHELL

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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.

Observer signature N. Z

Area Being Dredged buoys - 16-20
stations - 7W - 8W

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 242 **LOAD start date:** 12/13/04 **Times (24hrs): Start** 1735 **End** 1910

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Single Jew Modified California **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: PARTY CLOUDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-3 **ft** **Wind (speed & direction):** 20-25 NW

AIR TEMP: 14°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16°C °C/°F **Column (mid-depth)** 16°C °C/°F **Bottom** ____ °C/°F

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

PORT SCREEN CONTENTS: TRASH, WOOD, SHELL, VEGETATION, 4 HORSESHOE CRABS

STARBOARD SCREEN CONTENTS: " " " " , 3 HORSESHOE CRABS

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

Shark (any species) " "

Horseshoe crab 7 Found - 4 Port 3 STBD

Blue crab NONE FOUND

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.

Observer signature N. Zavinsky

Area Being Dredged buoys - 120 - 24 595 - 700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 243 **LOAD start date:** 12/13/04 **Times (24hrs): Start** 1940 **End** 2123

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud/silt/SAND

Weather conditions: Partly Cloudy, HIGH WINDS

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-3 **ft** **Wind (speed & direction):** N

AIR TEMP: 16°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 15°C °C/°F **Column (mid-depth)** 16°C °C/°F **Bottom** _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, wood, SHELL, VEGETATION, 3 Horseshoe Crab

STARBOARD SCREEN CONTENTS: " " " " 3 Horseshoe Crab, 1-16" unidentified fish

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

Shark (any species) " "

Horseshoe crab 10 3 Port 3 Stbd

Blue crab NONE FOUND

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. Pavinsky **Observer firm** Coastwise Consulting Inc.

Observer signature N. Pavinsky

Area Being Dredged buoys - 20-24

stations - 595 - 700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 244 **LOAD start date:** 12-13-04 **Times (24hrs): Start** 2150 **End** 2348

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: partly cloudy - high winds

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 3 **ft** **Wind (speed & direction):** N 35-40 mph

AIR TEMP: 10° °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° °C/°F **Column (mid-depth)** 16° °C/°F **Bottom** ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: sturgeon

Skimmer Contents mud, trash

Estimate number entrained on this load for the following:

Sturgeon (any species) 1 sturgeon

Shark (any species) ____

Horseshoe crab 5 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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - 20-24

stations - 595-700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 245 **LOAD start date:** 12-14 **Times (24hrs): Start** 0017 **End** 0153

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Jew **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: windy, clear

Tidal stage (CIRCLE ONE): Slack Rising High (Falling) Low Unknown 2'

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	(5) = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-3 **ft** **Wind (speed & direction):** N 15-30 mph

AIR TEMP: 90 (°C) / °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16° (°C) / °F **Column (mid-depth)** 16° (°C) / °F **Bottom** ____ °C / °F

SCREEN TYPE

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

PORT SCREEN CONTENTS: horseshoe crabs, grass, trash, wood, shell

STARBOARD SCREEN CONTENTS: " " " " " "

Skimmer Contents " " " " " "

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab 6 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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - 20-24
stations - 595-700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 246 **LOAD start date:** 12-14 **Times (24hrs): Start** 0220 **End** 0355

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: clear, windy

Tidal stage (CIRCLE ONE): Slack Rising High (Falling 1.6) Low Unknown

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	(5 = 17-21 knot/ 6 ft)	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-3 **ft** **Wind (speed & direction):** _____

AIR TEMP: 70 (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14 (°C) °F **Column (mid-depth)** 14 (°C) °F **Bottom** _____ °C / °F

SCREEN TYPE

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

PORT SCREEN CONTENTS: horse shoe crab, trash, wood, shell

STARBOARD SCREEN CONTENTS: " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** _____
- **Shark (any species)** _____
- **Horseshoe crab** 5
- **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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - 20-24
stations - 595-700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 247 **LOAD start date:** 12-14 **Times (24hrs): Start** 0422 **End** 0631

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Single Tow Modified California **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: mostly clear, windy

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-3 **ft Wind (speed & direction):** N 15-30 mph

AIR TEMP: 50° °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14° °C/°F **Column (mid-depth)** 15° °C/°F **Bottom** _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: 1 skate, horseshoe crab, trash, wood, shell

STARBOARD SCREEN CONTENTS: " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab 5

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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - 20-24
stations - 595-700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 248 **LOAD start date:** 12-14 **Times (24hrs): Start** 0656 **End** 0835

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Single Tow Modified California **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: clear, windy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown 0.0

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: ____ **ft** **Wind (speed & direction):** N 15-30 mph

AIR TEMP: 50 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 15° °C/°F **Column (mid-depth)** 14° °C/°F **Bottom** ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: 1 skate horseshoe crab, trash, grass, shell

STARBOARD SCREEN CONTENTS: " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab 4

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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - 20-24
stations - 595-700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 249 **LOAD start date:** 12-14 **Times (24hrs): Start** 0914 **End** 1053

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: sunny, windy

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	(7) = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 3+ **ft** **Wind (speed & direction):** N 20-35 mph N

AIR TEMP: 40 (C) / F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14° (C) / F **Column (mid-depth)** 15° (C) / F **Bottom** _____ °C / F

SCREEN TYPE

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

PORT SCREEN CONTENTS: horse shoe crab, trash, grass, shell

STARBOARD SCREEN CONTENTS: " " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** ____
- **Shark (any species)** ____
- **Horseshoe crab** 5
- **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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - 20-24
stations - 595-700

Tt 1 near buoy 21

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 250 **LOAD start date:** 12/14/04 **Times (24hrs): Start** 1130 **End** 1306

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: CLEAR WINDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 3 **ft** **Wind (speed & direction):** 20-25 mph N

AIR TEMP: 11°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14° **°C/°F** **Column (mid-depth)** 15°C **°C/°F** **Bottom** ____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: 1 HORSESHOE CRAB, TRASH, WOOD, VEGETATION SHELL

STARBOARD SCREEN CONTENTS: TRASH, WOOD, VEGETATION, SHELL

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

Shark (any species) " "

Horseshoe crab 1 - PORT BUY

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.

Observer signature N. Zy

Area Being Dredged buoys - 20-24
stations - 595 - 700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 251 **LOAD start date:** 12/14/04 **Times (24hrs): Start** 1332 **End** 1583

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: CLEAR, WINDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 3 **ft** **Wind (speed & direction):** 20-25 MPH N

AIR TEMP: 11°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14°C **°C/°F** **Column (mid-depth)** 15°C **°C/°F** **Bottom** ____ **°C/°F**

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

PORT SCREEN CONTENTS: TRASH, WOOD, SHELL, VEGETATION
13 Horseshoe Crabs, 1 SEASTAR

STARBOARD SCREEN CONTENTS: TRASH, WOOD, SHELL, VEGETATION
8 Horseshoe Crabs, 1 WELK

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
Shark (any species) " "
Horseshoe crab 21 found - 13 port, 8 stbd
Blue crab NONE FOUND

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.

Observer signature N. Z

Area Being Dredged buoys - 20-24
stations - 595 - 700

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 252 **LOAD start date:** 12/14/04 **Times (24hrs): Start** 1558 **End** 1810

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: CLEAR, WINDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 3 **ft** **Wind (speed & direction):** N 15-20 mph

AIR TEMP: 12°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14°C **°C/°F** **Column (mid-depth)** 16°C **°C/°F** **Bottom** ____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD, SHELL, VEGETATION

STARBOARD SCREEN CONTENTS: TRASH, WOOD, SHELL, VEGETATION

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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.

Observer signature N. Zy

Area Being Dredged buoys - 20-24
stations - 595-700

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 253 **LOAD start date:** 12/14/04 **Times (24hrs): Start** 1836 **End** 2030

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: CLEAR COLD

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft** **Wind (speed & direction):** N 20-25 mph

AIR TEMP: 8°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14°C **°C/°F** **Column (mid-depth)** 15°C **°C/°F** **Bottom** _____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH MUD SHELL WOOD Shorseshoe crabs

STARBOARD SCREEN CONTENTS: TRASH MUD SHELL WOOD Shorseshoe crabs

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

Shark (any species) " "

Horseshoe crab 10 Found 5 Port, 5 StBD

Blue crab NONE FOUND

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.

Observer signature [signature]

Area Being Dredged buoys - 20-24
stations - 595 - 700

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 254 **LOAD start date:** 12/14/04 **Times (24hrs): Start** 1910 **End** 2320

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: CLEAR WINDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	(7 = 28-33 knot/14 ft)	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft** **Wind (speed & direction):** 25-30 MPH

AIR TEMP: 6°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14°C **°C/°F** **Column (mid-depth)** 15°C **°C/°F** **Bottom** _____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: WOOD TRASH SHELL VEGETATION 7 Horseshoe Crabs

STARBOARD SCREEN CONTENTS: WOOD TRASH SHELL VEGETATION 3 horseshoe crabs

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) _____

Shark (any species) _____

Horseshoe crab 10 Found 7 Port 3 STBD

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.

Observer signature [signature]

Area Being Dredged buoys - 20 - 24
stations - 595 - 711

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 255 **LOAD start date:** 12/14/04 **Times (24hrs): Start** 0000 **End** 0128

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: CLEAR, COLD, WINDY

Tidal stage (CIRCLE ONE): Slack Rising High Falling 2' **Low Unknown**

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-3 ft **Wind (speed & direction):** N 25-30 MPH

AIR TEMP: 4°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14°C °C/°F **Column (mid-depth)** 15°C °C/°F **Bottom** ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD, SHELL, VEGETATION

STARBOARD SCREEN CONTENTS: TRASH, WOOD, SHELL, VEGETATION

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

Shark (any species) ↓

Horseshoe crab 4

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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - 20-24

stations - 595-700

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 256 **LOAD start date:** 12-15 **Times (24hrs): Start** 0152 **End** 0346

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: windy

Tidal stage (CIRCLE ONE): Slack Rising High (Falling 19) **Low Unknown**

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	(7) = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-3 **ft** **Wind (speed & direction):** N 25-30 mph

AIR TEMP: 40 (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14° (°C) °F **Column (mid-depth)** 15° (°C) °F **Bottom** ____ °C / °F

SCREEN TYPE

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

PORT SCREEN CONTENTS: horseshoe crab, trash, grass, wood, shell

STARBOARD SCREEN CONTENTS: ____

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

Shark (any species) ↓

Horseshoe crab 5

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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - 20-24
stations - 595-700

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 257 **LOAD start date:** 12-15 **Times (24hrs): Start** 0420 **End** 0611

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Jew **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: clear / windy

Tidal stage (CIRCLE ONE): Slack Rising High (Falling) Low Unknown 15

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	(6 = 22-27 knot/10 ft)	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	(7 = 28-33 knot/14 ft)	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft** **Wind (speed & direction):** N 15-25 mph

AIR TEMP: 3° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14° (°C) °F **Column (mid-depth)** 15° (°C) °F **Bottom** ____ °C / °F

SCREEN TYPE

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

PORT SCREEN CONTENTS: horseshoe crab, grass, trash, wood, shell

STARBOARD SCREEN CONTENTS: " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** ____
- **Shark (any species)** ____
- **Horseshoe crab** 5
- **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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - 20-24
stations - 595-700

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 258 **LOAD start date:** 12-15 **Times (24hrs): Start** 0637 **End** 10

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: sunny / windy

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft** **Wind (speed & direction):** NE 15-25+

AIR TEMP: 3° (°C/°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14 °C/°F **Column (mid-depth)** 15° °C/°F **Bottom** ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: horseshoe crab, grass, trash, weed, shell

STARBOARD SCREEN CONTENTS:

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) none found

Shark (any species)

Horseshoe crab 5

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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

0718 Tt 1 near buoy 21

Area Being Dredged buoys - 20-24

stations - 595-700

0808 to 10 AM Tt 8-10 near buoy 21

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 259 **LOAD start date:** 12/15/04 **Times (24hrs): Start** 1710 **End** 1943

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud/silt/SAND

Weather conditions: CLEAR, CALM

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: <.5' **ft** **Wind (speed & direction):** 0-5 kts

AIR TEMP: 10°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16°C **°C/°F** **Column (mid-depth)** 15°C **°C/°F** **Bottom** _____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: VEGETATION, MUD, TRASH, WOOD, SHELL
6 Horseshoe Crabs

STARBOARD SCREEN CONTENTS: VEGETATION, MUD, TRASH, WOOD, SHELL

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
Shark (any species) " "
Horseshoe crab 6
Blue crab None found

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES _____ **NO** X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Delay between Loads 258 & 259 for Refueling.

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

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

Observer signature N. Z

TL - 1534 N of Ship Island 2 TL's, 1645 1 TL N. of S. Island
Area Being Dredged buoys - 20-24
stations - 595-702

TL 1710 6-8 heading N between Buoys 23 & 24

20th - 30 31st

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 260 **LOAD start date:** 12/15/04 **Times (24hrs): Start** 2003 **End** 2230

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud/silt/SAND

Weather conditions: CLEAR CALM

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1.5 **ft** **Wind (speed & direction):** 0-5 kts

AIR TEMP: 10°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14°C **°C/°F** **Column (mid-depth)** 15°C **°C/°F** **Bottom** ____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD, VEGETATION, SHELL

STARBOARD SCREEN CONTENTS: TRASH WOOD VEGETATION

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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. Zaunsky **Observer firm** Coastwise Consulting Inc.

Observer signature N. Zy

Area Being Dredged buoys - 20-24
stations - 595 - 700

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 261 **LOAD start date:** 12/15/04 **Times (24hrs): Start** 0000 **End** 0005

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud/silt/SAND

Weather conditions: CLEAR, CALM

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1' ft **Wind (speed & direction):** 0-5 kts NE

AIR TEMP: 9°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14°C °C/°F **Column (mid-depth)** 14°C °C/°F **Bottom** _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: HORSESHOE CRABS, TRASH, WOOD, VEGETATION, SHELL

STARBOARD SCREEN CONTENTS: " , " , " , "

Skimmer Contents

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** ____
- **Shark (any species)** ____
- **Horseshoe crab** 2
- **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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - stations - 595-700

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 262 **LOAD start date:** 12-16 **Times (24hrs): Start** 0026 **End** 0203

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Single Tow Modified California **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: clear, windy

Tidal stage (CIRCLE ONE): Slack Rising High (Falling) Low Unknown 21

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	(6) = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft** **Wind (speed & direction):** 20-25 mph

AIR TEMP: 90 (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14 (°C) °F **Column (mid-depth)** 14 (°C) °F **Bottom** ____ °C / °F

SCREEN TYPE

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

PORT SCREEN CONTENTS: trash, grasses, wood, shell horseshoe crab 1 unident. 9" fish

STARBOARD SCREEN CONTENTS: " " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab 3

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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - stations - 595 - 700

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 263 **LOAD start date:** 12-16 **Times (24hrs): Start** 0225 **End** 0342

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: clear, windy

Tidal stage (CIRCLE ONE): Slack Rising High (Falling) Low Unknown 18

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	(6) = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft** **Wind (speed & direction):** 25 mph

AIR TEMP: 90 (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 140 (°C) °F **Column (mid-depth)** 140 (°C) °F **Bottom** ____ °C / °F

SCREEN TYPE

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

PORT SCREEN CONTENTS: horse shoe crab, grass, trash, wood, shell

STARBOARD SCREEN CONTENTS: " " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** ____
- **Shark (any species)** ____
- **Horseshoe crab** 3
- **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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - stations -

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W912P8-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 2604 **LOAD start date:** 12-16 **Times (24hrs): Start** 0402 **End** 0521

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: partly cloudy; windy

Tidal stage (CIRCLE ONE): Slack Rising High (Falling) Low Unknown 1.4

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft** **Wind (speed & direction):** E 20-25 mph

AIR TEMP: 90 **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 140 **°C/°F Column (mid-depth)** 140 **°C/°F Bottom** _____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: horseshoe crab, grasses, trash, logs, shell

STARBOARD SCREEN CONTENTS: " " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) _____

Shark (any species) _____

Horseshoe crab 3

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: Cindy Franz **Observer firm** Coastwise Consulting Inc

Observer signature Cindy Franz

Area Being Dredged buoys - stations -

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 265 **LOAD start date:** 12-16 **Times (24hrs):** **Start** 0541 **End** 0715

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? **YES** X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: partly cloudy, windy

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft** **Wind (speed & direction):** E 20-25 mph

AIR TEMP: 90 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 140 °C/°F **Column (mid-depth)** 140 °C/°F **Bottom** ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: horseshoe crab, trash, grass, wood, shell

STARBOARD SCREEN CONTENTS: ____

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab 34

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: Cindy Franz **Observer firm** Coastwise Consulting Inc

Observer signature Cindy Franz

TT 0640 40 near buoy 23

Area Being Dredged buoys -

stations -

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W911278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 266 **LOAD start date:** 12-16 **Times (24hrs): Start** 0715 **End** 09

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: mostly clear / sunny / windy

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	(6) = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2-3 **ft** **Wind (speed & direction):** E 20-25 mph

AIR TEMP: 110 (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14° (°C) °F **Column (mid-depth)** 16° °C/°F **Bottom** ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: horseshoe crab, trash, grass, wood, shell tire

STARBOARD SCREEN CONTENTS: " " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab 4

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: Cindy Franz **Observer firm** Coastwise Consulting Inc

Observer signature Cindy Franz

Area Being Dredged buoys - stations -

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 267 **LOAD start date:** 12-16 **Times (24hrs): Start** 0930 **End** ~~[illegible]~~ 1047

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: windy, clear, sunny

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 3 **ft** **Wind (speed & direction):** E 20-25 mph

AIR TEMP: 13° (C) / F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14° (C) / F **Column (mid-depth)** 14° (C) / F **Bottom** _____ °C / F

SCREEN TYPE

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

PORT SCREEN CONTENTS: 1 horseshoe crab, grass, trash, wood shell

STARBOARD SCREEN CONTENTS: " " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) _____

Shark (any species) _____

Horseshoe crab 4

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: Cindy Franz **Observer firm** Coastwise Consulting Inc

Observer signature Cindy Franz

Area Being Dredged buoys - stations - 595-800

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W912P8-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 2668 **LOAD start date:** 12/16/04 **Times (24hrs): Start** 1128 **End** 1238

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud/silt/SAND

Weather conditions: HEAVY SEAS INCREASING CLEAR

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 6+' **ft** **Wind (speed & direction):** E 30-35 MPH

AIR TEMP: 14°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14°C **°C/°F** **Column (mid-depth)** 14°C **°C/°F** **Bottom** ____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: HORSESHOE CRABS, TRASH, MUD, SHELL, VEGETATION

STARBOARD SCREEN CONTENTS: " " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** 0
- **Shark (any species)** 0
- **Horseshoe crab** 6
- **Blue crab** 6

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. ZAVINSKY **Observer firm** Coastwise Consulting Inc

Observer signature N. Zavinsky

Area Being Dredged buoys - 20-24
stations - 595 - 700

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 269 **LOAD start date:** 12/16/04 **Times (24hrs): Start** 1305 **End** 1418

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: HIGH WINDS ROUGH SEAS

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 6+' **ft** **Wind (speed & direction):** 25-30 MPH E

AIR TEMP: 14°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14°C **°C/°F** **Column (mid-depth)** 14°C **°C/°F** **Bottom** _____ **°C/°F**

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

PORT SCREEN CONTENTS: _____

STARBOARD SCREEN CONTENTS: _____

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

Shark (any species) " " "

Horseshoe crab 3

Blue crab NONE FOUND

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. Zawinski **Observer firm** Coastwise Consulting Inc

Observer signature N. Zy

Area Being Dredged buoys - 20-24
stations - 595-700

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W912P8-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 270 **LOAD start date:** 12/16/04 **Times (24hrs): Start** 1440 **End** 1650

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: HIGH SEAS & WINDS, CLEAR

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 6+' ft **Wind (speed & direction):** 25-30 MPH E

AIR TEMP: 16°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14°C °C/°F **Column (mid-depth)** 14°C °C/°F **Bottom** ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: HORSESHOE CRABS, WOOD, TRASH, VEGETATION 1 SKATE

STARBOARD SCREEN CONTENTS: " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

Shark (any species) " "

Horseshoe crab 3 25TBD 1 PORT

Blue crab NONE FOUND

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

Observer signature N. Z

Area Being Dredged buoys - 20-24
stations - 595 - 700

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 271 **LOAD start date:** 12/16/04 **Times (24hrs): Start** 1720 **End** 1921

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: CLEAR, WINDY, HIGH SEAS

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 4-6' **ft** **Wind (speed & direction):** 15-20 MPH

AIR TEMP: 13°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14°C **°C/°F** **Column (mid-depth)** 14°C **°C/°F** **Bottom** _____ **°C/°F**

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

PORT SCREEN CONTENTS: TRASH, WOOD, SHELL, HORSESHOE CRABS, VEGETATION

STARBOARD SCREEN CONTENTS: " " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

Shark (any species) " "

Horseshoe crab 7

Blue crab NONE FOUND

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. ZAVINSKY **Observer firm** Coastwise Consulting Inc

Observer signature N. Zy

Area Being Dredged buoys - 20-24
stations - 595-7W

I HC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 272 **LOAD start date:** 12/16/04 **Times (24hrs): Start** 1948 **End** 2040

Condition of screening : Port Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Single Tow Modified California **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: CLEAR

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 3-4' ft **Wind (speed & direction):** 15-20 MAF

AIR TEMP: 12°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14°C °C/°F **Column (mid-depth)** 14°C °C/°F **Bottom** ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD, SHELL, VEGETATION, HORSESHOE CRABS

STARBOARD SCREEN CONTENTS: " " " " " " " 2 well

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) None Found

Shark (any species) " "

Horseshoe crab 2

Blue crab None Found

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

Observer signature N. Zy

Area Being Dredged buoys - 20-24

stations - 595-700

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W912P8-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 273 **LOAD start date:** 12/16/04 **Times (24hrs): Start** 2057 **End** 2200

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Single Tow Modified California **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: PARTLY CLOUDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 3' ft **Wind (speed & direction):** 15-20 E mph

AIR TEMP: 13°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14°C °C/°F **Column (mid-depth)** 14°C °C/°F **Bottom** ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD, SHELL, VEGETATION

STARBOARD SCREEN CONTENTS: " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

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. ZAVINSKY **Observer firm** Coastwise Consulting Inc

Observer signature N. Zavinsky

Area Being Dredged buoys - 20-24
stations - 595-702

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W912P8-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 274 **LOAD start date:** 12-16 **Times (24hrs): Start** 2218 **End** 2338

Condition of screening : **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: PARTLY CLOUDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 3+ ft **Wind (speed & direction):** 10-15 mph

AIR TEMP: 13°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14°C °C/°F **Column (mid-depth)** 14°C °C/°F **Bottom** ____ °C/°F

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

PORT SCREEN CONTENTS: TRASH, WOOD, SHELL, VEGETATION

STARBOARD SCREEN CONTENTS: " " " "

Skimmer Contents

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: NA

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

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

Observer signature N. Zy

Area Being Dredged buoys - 20-24
stations - 595 - 700

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 275 **LOAD start date:** 12-17 **Times (24hrs): Start** 0000 **End** 0102

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Jew **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: partly cloudy

Tidal stage (CIRCLE ONE): Slack Rising High 20 **Falling Low Unknown**

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1.5-2 **ft** **Wind (speed & direction):** 10-15 mph

AIR TEMP: 10° °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14° °C/°F **Column (mid-depth)** 14° °C/°F **Bottom** ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: horseshoe crab, trash, wood, shell

STARBOARD SCREEN CONTENTS: " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** ____
- **Shark (any species)** ____
- **Horseshoe crab** 2
- **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: Cindy Franz **Observer firm** Coastwise Consulting Inc

Observer signature Cindy Franz

Area Being Dredged buoys - stations - 800 - 965

I HC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W912P8-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 276 **LOAD start date:** 12-17 **Times (24hrs): Start** 0120 **End** 0230

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: partly cloudy

Tidal stage (CIRCLE ONE): Slack Rising High (Falling) Low Unknown 21'

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1.5-2 **ft** **Wind (speed & direction):** E 10-15 mph

AIR TEMP: 10° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14° (°C) °F **Column (mid-depth)** 14° (°C) °F **Bottom** ____ °C °F

SCREEN TYPE

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

PORT SCREEN CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS: horseshoe crab, wood shell

Skimmer Contents

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: n/a

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

Observer's name: Cindy Franz **Observer firm** Coastwise Consulting Inc

Observer signature Cindy Franz

Area Being Dredged buoys - stations - 900-965

I HC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W912P8-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 277 **LOAD start date:** 12-17 **Times (24hrs): Start** 0247 **End** 0412

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Single Tow Modified California **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: partly cloudy

Tidal stage (CIRCLE ONE): Slack Rising High (Falling) Low Unknown 19

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1.5-2 **ft** **Wind (speed & direction):** E 10-15 mph

AIR TEMP: 10° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14° (°C) °F **Column (mid-depth)** 14° (°C) °F **Bottom** _____ °C / °F

SCREEN TYPE

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

PORT SCREEN CONTENTS: horseshoe crab, trash, wood, shell

STARBOARD SCREEN CONTENTS: " " "

Skimmer Contents

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** _____
- **Shark (any species)** _____
- **Horseshoe crab** 2
- **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: Cindy Franz **Observer firm** Coastwise Consulting Inc

Observer signature Cindy Franz

Area Being Dredged buoys - stations - 800-965

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 278 **LOAD start date:** 12-17 **Times (24hrs): Start** 0433 **End** 0608

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Single Tow Modified California **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: partly cloudy

Tidal stage (CIRCLE ONE): Slack Rising High Falling 1.5 **Low Unknown**

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 15-2 **ft** **Wind (speed & direction):** E 10-15 mph

AIR TEMP: 10° °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14° °C/°F **Column (mid-depth)** 14° °C/°F **Bottom** _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: horseshoe crab, trash, wood, shell

STARBOARD SCREEN CONTENTS: " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) ___

Shark (any species) ___

Horseshoe crab 2

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: Cindy Franz **Observer firm** Coastwise Consulting Inc

Observer signature Cindy Franz

Area Being Dredged buoys - stations - ~~900-965~~ 700-800

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 279 **LOAD start date:** 12-17 **Times (24hrs): Start** 0640 **End** 0812

Condition of screening : **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: partly cloudy

Tidal stage (CIRCLE ONE): Slack Rising High Falling 1.3 **Low Unknown**

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft** **Wind (speed & direction):** E 15mph

AIR TEMP: 10.5 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14° °C/°F **Column (mid-depth)** 14° °C/°F **Bottom** ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: horseshoe crab, trash, wood, shell

STARBOARD SCREEN CONTENTS: " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab 2

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: Cindy Franz **Observer firm** Coastwise Consulting Inc

Observer signature Cindy Franz

0636 1 bow wave of Avocet Arrow

Area Being Dredged buoys - stations - 700-800

0724 Tt 4-5 near buoy 21 2x

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W912P8-04-R0016 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 280 **LOAD start date:** 12-17 **Times (24hrs): Start** 0835 **End** 1009

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: mostly cloudy

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft** **Wind (speed & direction):** E 15-20mph

AIR TEMP: 13° (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14° (°C) °F **Column (mid-depth)** 14° (°C) °F **Bottom** _____ °C °F

SCREEN TYPE

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

PORT SCREEN CONTENTS: 1 hermit crab, 1 sand dollar, 1 skate horseshoe crab, trash, wood

STARBOARD SCREEN CONTENTS: " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) _____

Shark (any species) _____

Horseshoe crab 4

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: Cindy Franz **Observer firm** Coastwise Consulting Inc

Observer signature Cindy Franz

Area Being Dredged buoys - stations - 595-706

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W912DS-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 281 **LOAD start date:** 12-17 **Times (24hrs): Start** 1044 **End** 1240

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack (Rising) High Falling Low Unknown 16

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 2 **ft** **Wind (speed & direction):** E 10-15 MPH

AIR TEMP: 17°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14°C **°C/°F** **Column (mid-depth)** 14°C **°C/°F** **Bottom** ____ **°C/°F**

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

PORT SCREEN CONTENTS: 5 HORSE SHOE CRAB, TRASH, WOOD, SHELL
3 unidentified Crabs
1 spider crab

STARBOARD SCREEN CONTENTS: 4 " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
Shark (any species) " "
Horseshoe crab 9
Blue crab NONE FOUND

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

Observer signature N. Z

Area Being Dredged buoys - stations - 595-700

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 282 **LOAD start date:** 12/17/04 **Times (24hrs): Start** 1308 **End** 1455

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud/silt/SAND

Weather conditions: PARTLY CLOUDY

Tidal stage (CIRCLE ONE): Slack (Rising) High Falling Low Unknown .51

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2' ft **Wind (speed & direction):** ENE 5-10 kts

AIR TEMP: 17°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14°C °C/°F **Column (mid-depth)** 14°C °C/°F **Bottom** ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: HORSESHOE CRABS, TRASH, WOOD, SHELL, VEGETATION

STARBOARD SCREEN CONTENTS: " " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** NONE FOUND
- **Shark (any species)** " "
- **Horseshoe crab** 4
- **Blue crab** NONE FOUND

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

Observer signature N. Z

Area Being Dredged buoys - stations - 595-700

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 283 **LOAD start date:** 12/17/04 **Times (24hrs): Start** 1522 **End** 1745

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: PARTLY CLOUDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** 0-10kts ENE

AIR TEMP: 17°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14°C **°C/°F** **Column (mid-depth)** 14°C **°C/°F** **Bottom** _____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: HORSESHOE CRABS, TRASH, WOOD, SHELL

STARBOARD SCREEN CONTENTS: " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

Shark (any species) " "

Horseshoe crab 9

Blue crab NONE FOUND

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

Observer signature [signature]

Tt. 1542 1 Animal between Ship Island & Buoy #24

Area Being Dredged buoys - stations - 595-700

I HC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W912P8-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 284 **LOAD start date:** 12/16/04 **Times (24hrs): Start** 1823 **End** 2019

Condition of screening : **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Single Tow Modified California **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: PARTLY CLOUDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 **ft** **Wind (speed & direction):** 0-5 kts

AIR TEMP: 14°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14°C **°C/°F** **Column (mid-depth)** 14°C **°C/°F** **Bottom** _____ **°C/°F**

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

PORT SCREEN CONTENTS: HORSE SHOE CRABS, TRASH, WOOD, SHELL, VEGETATION

STARBOARD SCREEN CONTENTS: " " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND
Shark (any species) " "
Horseshoe crab 3
Blue crab NONE FOUND

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

Observer signature N. Z

Area Being Dredged buoys - stations - 595-700

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W912P8-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 285 **LOAD start date:** 12/17/04 **Times (24hrs): Start** 2100 **End** 2215

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Jet **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud/silt/SAND

Weather conditions: PARTLY CLOUDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
(1) = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 **ft** **Wind (speed & direction):** 0-5 kt ENE

AIR TEMP: 13°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14°C **°C/°F** **Column (mid-depth)** 14°C **°C/°F** **Bottom** _____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD, SHELL, VEGETATION

STARBOARD SCREEN CONTENTS: " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

Shark (any species) " "

Horseshoe crab " "

Blue crab NONE FOUND

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. ZAVINSKY **Observer firm** Coastwise Consulting Inc

Observer signature [signature]

Area Being Dredged buoys - stations - 595-700

~~595-765~~

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 286 **LOAD start date:** 12/18/04 **Times (24hrs): Start** 1752 **End** 2022

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Single Tow modified California **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: PARTLY CLOUDY

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2' ft **Wind (speed & direction):** 0-5 kts

AIR TEMP: 17°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14°C °C/°F **Column (mid-depth)** 14°C °C/°F **Bottom** ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD, HORSESHOE CRABS, SHELL

STARBOARD SCREEN CONTENTS: " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

Shark (any species) " "

Horseshoe crab 6

Blue crab NONE FOUND

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ **NO** X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: DREDGING RESUMED @ 1752 on 12/18/04.

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

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

Observer signature [signature]

Area Being Dredged buoys - stations -

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 287 **LOAD start date:** 12/18/04 **Times (24hrs): Start** 2057 **End** 2307

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: CLEAR

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 **ft** **Wind (speed & direction):** 05kts

AIR TEMP: 16°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14°C **°C/°F** **Column (mid-depth)** 14°C **°C/°F** **Bottom** ____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, WOOD, SHELL, HORSESHOE CRAB

STARBOARD SCREEN CONTENTS: " " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) NONE FOUND

Shark (any species) " "

Horseshoe crab 3 FOUND

Blue crab NONE FOUND

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.

Observer signature N. Zawinsky

Area Being Dredged buoys-
stations-

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 288 **LOAD start date:** 12/18/04 **Times (24hrs): Start** 0000 **End** 0201

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Jew **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: CLEAR

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown .7

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-2 **ft** **Wind (speed & direction):** 0-5 kts - 10 mph NW

AIR TEMP: 15°C **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14°C **°C/°F** **Column (mid-depth)** 14°C **°C/°F** **Bottom** ____ **°C/°F**

SCREEN TYPE

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

PORT SCREEN CONTENTS: chair, trash, shell horseshoe crab

STARBOARD SCREEN CONTENTS: wood, trash, shell " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab 2

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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - stations - 650-700

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** _____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 289 **LOAD start date:** 12-19 **Times (24hrs): Start** 0227 **End** 0447

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Jew **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: cloudy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown .7

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-1.5 **ft** **Wind (speed & direction):** NW 10mph

AIR TEMP: 110 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 140 °C/°F **Column (mid-depth)** 140 °C/°F **Bottom** _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: trash, wood, horseshoe crab, shell

STARBOARD SCREEN CONTENTS: trash, wood " " "

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) ___

Shark (any species) ___

Horseshoe crab 3

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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - stations - 650-700

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 290 **LOAD start date:** 12-19 **Times (24hrs): Start** 0511 **End** 07

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Single Tow Modified California **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud/silt/SAND

Weather conditions: partly cloudy

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	(5) = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1 **ft** **Wind (speed & direction):** NW 15 mph

AIR TEMP: 90 (°C)/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 140 (°C)/°F **Column (mid-depth)** 140 (°C)/°F **Bottom** ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS: horseshoe crab, trash, wood, shell

Skimmer Contents

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: N/A

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

Observer's name: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - stations - 700-800

IHC is Draghead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 291 **LOAD start date:** 12-19 **Times (24hrs): Start** 0720 **End** 1025

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Tow **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: sunny, clear

Tidal stage (CIRCLE ONE): Slack Rising High (Falling) Low Unknown .5

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-1½ **ft** **Wind (speed & direction):** NW @ 5-10 mph

AIR TEMP: 104.5 (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 140 (°C) °F **Column (mid-depth)** 140 (°C) °F **Bottom** ____ °C / °F

SCREEN TYPE

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

PORT SCREEN CONTENTS: trash, wood, shell

STARBOARD SCREEN CONTENTS: horseshoe crab, " " " 1 unident. crab

Skimmer Contents

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab 2

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: Cindy Franz **Observer firm** Coastwise Consulting Inc.

Observer signature Cindy Franz

Area Being Dredged buoys - stations - 700-800

IHC is Drughead Mfg.

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile Alabama

CONTRACT #: W91278-04-R006 **Maintenance** X **/New Work** ____ **PROJECT start date** 11-25-04

PROJECT NAME: Gulfport Harbor MS **DREDGE NAME:** Bayport

DREDGE FIRM: Manson

LOAD #: 292 **LOAD start date:** 12-19 **Times (24hrs): Start** 1043 **End** 1243

Condition of screening: **Port** Good **Starboard** Good **Overflow** 50% Removed

Number of dragheads in use: 2 **Type of dragheads used:** Modified California Single Jew **Size of dragheads:** 8'

Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud / silt / SAND

Weather conditions: sunny / clear

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

Beaufort Sea States (Winds/Wave Height) (CIRCLE ONE)

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 1-1.5 **ft** **Wind (speed & direction):** ____

AIR TEMP: 140 (C)/F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 140 (C)/F **Column (mid-depth)** 140 (C)/F **Bottom** ____ °C/F

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, SHELL, WOOD, VEGETATION

STARBOARD SCREEN CONTENTS: " " " "

Skimmer Contents

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** none found
- **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.

Observer signature N. Zavinsky

Area Being Dredged buoys - stations - 595 - 965