ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL. DISTRICT

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 SEP 04

PROJECT NAME: MOBILE BAY / CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN - STUYVESANT, LLC.

LOAD #: 001 LOAD start date: 07 SEP 04 Times (24hrs): Start 1438 End 1500

Condition of screening: Port Good Starboard Good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD / CHAIN Size of dragheads: 15' x 8'

Draghead deflector? YES ____ NO ____ Condition of deflector: Good

Type of material dredged: ~~[illegible]~~ mud, clay, slurry misc debris + bycatch

Weather conditions: mostly cloudy, humid, warm 58% rel. humidity

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: 0-2 ft Wind (speed & direction): E to ESE @ 10-15 mph

AIR TEMP: 86.9° °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 83° °C/°F Column (mid-depth) 81.2° °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: mostly clay, driftwood, metal + plastic trash. 30-40 juv. mullet 10-15 blue crabs (in pieces - in clay)

STARBOARD SCREEN CONTENTS: plastic bottles, aluminum + shrimp net also noted in basket

MID BASKETS ONLY 1 BASKET

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab 10-15

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: All operations normal - all equipment in working order re: environmental aspect

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

Observer's name: Jennifer Schwalt Observer firm: REMSA, INC

Observer signature [signature]

CONTRACT # W91278-04-C-0045

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 SEP 04

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT, LLC

LOAD #: 002 LOAD start date: 07 Sep 04 Times (24hrs): Start 2055 End 2140

Condition of screening: Port Good Starboard Good Overflow ——

Number of dragheads in use: 2 Type of dragheads used: STD CHAIN Size of dragheads: 15' x 6'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: clay, mud, TRASH, debris + MISC BY-CATCH

Weather conditions: PTLY. cloudy, WARM, Humid.

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: 0-2 ft Wind (speed & direction): E TO SE @ 10-15 mph

AIR TEMP: 81.3° °C/(F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

WATER TEMP: Surface 83° °C/(F) Column (mid-depth) 81.2° °C/(F) Bottom —— °C/°F

SCREEN TYPE

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

mid

PORT SCREEN CONTENTS: clay, metal

STARBOARD SCREEN CONTENTS: clay, metal

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer's name: JEN SUMWALT, Mary Lee Observer firm: REMSA, INC.

Observer signature Mary Lee

CONTRACT # W91278-04-C-0045

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 SEP 04

PROJECT NAME: MOBILE BAY / CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT, LLC.

LOAD #: 003 LOAD start date: 08 Sep. 04 Times (24hrs): Start 0338 End 0402

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD / CHAIN Size of dragheads: 15' x 6'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: clay, mud, trash, & debris

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 kn/ 0-45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 0-2 ft Wind (speed & direction): N @ 10-15 kts

AIR TEMP: 76 °C/(F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 82 °C/(F) Column (mid-depth) 82 °C/(F) Bottom N/A °C/°F

SCREEN TYPE

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

mud ~~PORT~~ SCREEN CONTENTS: clay, mud, wood, metal, & plastics

~~STARBOARD SCREEN CONTENTS:~~ Ø

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO ✓

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer's name: Marcy Lee Observer firm: REMSA, INC.

Observer signature Marcy Lee

CONTRACT # W91278-04-C-0045

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W91278-04-C0045 Maintenance X /New Work ____ PROJECT start date 07 SEP 04

PROJECT NAME: MOBILE BAY / CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT, LLC.

LOAD #: 004 LOAD start date: 08 Sep 04 Times (24hrs): Start 1019 End 1050

Condition of screening: Port Good Starboard Good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD / CHAIN Size of dragheads: 15' x 6'

Draghead deflector? YES X NO ___ Condition of deflector: Good - Both sides

Type of material dredged: clay, mud, trash, & metal - Some misc. BYCATCH

Weather conditions: Clear, haze 65% RELATIVE Humidity

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 = [illegible]
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 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 - 2 ft Wind (speed & direction): N @ 7 - 10 KTS

AIR TEMP: 84 °C/F (°F = 9/5 (°C) + 32; °C = 5/5 (°F - 32))

WATER TEMP: Surface 82 °C/F Column (mid depth) 81.5 °C/F Bottom N/A °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: MUD BASKET

STARBOARD SCREEN CONTENTS: MUD BASKET

clay, mud, wire mesh
plastic, netting, metals
driftwood, wood
1 juv. unknown fish
7 blue crabs

Estimate number entrained on this load for the following

Sturgeon (any species) 0
Shark (any species) 0
Horseshoe crab 0
Blue crab 7

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: Marcy Lee / Jean Symmont Observer firm: REMSA, INC.

Observer signature: Marcy Lee [signature]

CONTRACT # W91278-04-C-0045

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 SEP 04

PROJECT NAME: MOBILE BAY / CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT, LLC.

LOAD #: 005 LOAD start date: 9Sep04 Times (24hrs): Start 0218 End 0249

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD / CHAIN Size of dragheads: 15' x 6'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: clay, mud, debris, & misc. bycatch

Weather conditions: pt. 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 = [illegible]
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 0-1 ft Wind (speed & direction): 8-10 Kts N

AIR TEMP: 79 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 84 °C/(F) Column (mid-depth) ____ °C/F Bottom N/A °C/F

SCREEN TYPE

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

Mid ~~PORT~~ SCREEN CONTENTS: clay, mud, wood, & net

~~STARBOARD SCREEN CONTENTS:~~

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO V

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer name: Mary Lee Observer firm: REMSA, INC.

Observer signature Mary Lee

CONTRACT # W91278-04-C-0045

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 SEP 04

PROJECT NAME: MOBILE BAY / CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT, LLC.

LOAD #: 006 LOAD start date: 09 Sep 04 Times (24hrs): Start 0848 End 0918

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD / CHAIN Size of dragheads: 15' x 6'

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

Type of material dredged: mud, clay, + debris + BYCATCH

Weather conditions: Clear, Humid + Hot

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

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

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

Waves: 0-2 ft Wind (speed & direction): 8-10 kts N/E

AIR TEMP: 80 °C (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

WATER TEMP: Surface 82 °C (F) Column (mid depth) 79 °C (F) Bottom ____ °C/°F

SCREEN TYPE

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

ALL ONE - MID BASKET

PORT SCREEN CONTENTS: CLAY, MUD, WIRE MESH, NETTING, MONOFILAMENT, PLASTIC BOTTLES, BROKEN DISHES, CHILDREN'S TOYS, ALUMINUM CANS, 2 BLUE CRABS, BLACK DRUM, MANTIS SHRIMP, DRIFTWOOD, WOOD

STARBOARD SCREEN CONTENTS: JUV. TARPON, JUV. MULLET, UNKNOWN LG. FISH HEAD, CRAB POT, BUOY, BOTTLES, PLASTIC BAGS, BALLOONS, + ONE UNKNOWN MAMMAL SKULL (CANINE? - MY GUESS) W/SKIN + ORGANS INTACT

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab 2

TURTLE OR TURTLE PARTS PRESENT THIS LOAD. YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer name: Marcy Lee Observer firm: REMSA, INC.

Observer signature: Marcy Lee

CONTRACT # W91278-04-C-0045

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 SEP 04

PROJECT NAME: MOBILE BAY / CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT, LLC.

LOAD #: 007 LOAD start date: 09 SEP 04 Times (24hrs): Start 1526 End 1559

Condition of screening: Port Good Starboard Good Overflow ____

Number of dragheads in use: 2 Type of dragheads used: STD / CHAIN Size of dragheads: 15' x 6'

Draghead deflector? YES X NO ____ Condition of deflector: Good BOTH SIDES

Type of material dredged: CLAY, MUD, DEBRIS, WOOD, MISC. TRASH + BYCATCH

Weather conditions: CLEAR, HOT + HUMID

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

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

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

Waves: 0-2 ft Wind (speed & direction): WSW @ 5-15 mph

AIR TEMP: 84.6° °C/(F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

WATER TEMP: Surface 82.5 °C/(F) Column (mid-depth) 79.8° °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: WOOD, DEBRIS, MINOR TRASH

STARBOARD SCREEN CONTENTS: Ø SPECIES CONTENT

Estimate number entrained on this load for the following

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD. YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer name: JEN SUMMVALT Observer firm: REMSA, INC.

Observer signature: [signature]

166-132435-2

CONTRACT # W91278-04-C-0045

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

SAC

USACE DISTRICT: MOBILE, AL

CONTRACT #: W91278-04-C0045 Maintenance X /New Work ____ PROJECT start date 07 SEP 04

PROJECT NAME: MOBILE BAY / CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT, LLC.

LOAD #: 008 LOAD start date: 09 SEP 04 Times (24hrs): Start 2150 End 2220

Condition of screening: Port good Starboard good Overflow ——

Number of dragheads in use: 2 Type of dragheads used: STD / CHAIN Size of dragheads: 15' x 6'

Draghead deflector? YES X NO ___ Condition of deflector: good - BOTH SIDES

Type of material dredged: clay, mud, debris,

Weather conditions: warm humid, pty. cloudy humidity @ 65% pressure @ 30.05 ↔

JUST AFTER SLACK EBB —

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 = [illegible]
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 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 ft Wind (speed & direction): WSW @ 5-10 MPH

AIR TEMP: 84.5° °C (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 82.1° °C / (°F) Column (mid-depth) 80.2° °C (°F) Bottom —— °C / °F

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

___ ~~Overflow screening:~~ None 25% 50% 75% 100%

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

→ USING AFT BASKET ONLY NOW

AFT BASKET

PORT SCREEN CONTENTS: clay, mud, wood, metal, & plastic

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO V

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer's name: JEN SUMMACT Observer firm: REMSA, INC.

Observer signature [signature]

CONTRACT # W91278-04-C-0045

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 SEP 04

PROJECT NAME: MOBILE BAY / CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT, LLC.

LOAD #: 010 LOAD start date: 10Sep04 Times (24hrs): Start 1108 End 1136

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD / CHAIN Size of dragheads: 15' x 6'

Draghead deflector? YES X NO ___ Condition of deflector: ____

Type of material dredged: Clay, mud, wood, & misc. debris

Weather conditions: pt. cloudy, lt. 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 = [illegible]
1 = 1-3 knot/0.25 ft	4 = 11-16 knot/4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4-6 knot/0.5 ft	5 = 17-21 knot/6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 0-1 ft Wind (speed & direction): N @ 10-12 KTS

AIR TEMP: 88 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 82 °C/°F Column (mid depth) 80 °C/°F Bottom ___ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: Clay, mud, wood, metal, & rope/net.

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD. YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's name: Marcy Lee Observer firm: REMSA, INC.

Observer signature: Marcy Lee

CONTRACT # W91278-04-C-0045

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 SEP 04

PROJECT NAME: MOBILE BAY / CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT, LLC.

LOAD #: 012 LOAD start date: 11 Sep 04 Times (24hrs): Start 0050 End 0121

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD / CHAIN Size of dragheads: 15' x 6'

Draghead deflector? YES X NO ___ Condition of deflector: o

Type of material dredged: Clay, mud, wood & misc. debris

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 = [illegible]
1 = 1-3 knot/0.25 ft	4 = 11-16 knot/4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4-6 knot/0.5 ft	5 = 17-21 knot/6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 0-1 ft Wind (speed & direction): N @ 10-12 KTS

AIR TEMP: 78 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 82 °C/(°F) Column (mid-depth) 82 °C/(°F) Bottom ____ °C/°F

SCREEN TYPE

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

9 ft

PORT SCREEN CONTENTS: Clay, mud, metal, wood, net/rope, & rod & reel.

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD. YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Marcy Lee Observer firm: REMSA, INC.

Observer signature: Marcy Lee

CONTRACT # W91278-04-C-0045

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 SEP 04

PROJECT NAME: MOBILE BAY / CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT, LLC.

LOAD #: 013 LOAD start date: 11Sep04 Times (24hrs): Start 0716 End 0749

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD / CHAIN Size of dragheads: 15' x 6'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: clay, mud, wood & misc. debris

Weather conditions: 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 = [illegible]

1 = 1-3 knot/ 0.25 ft 4 = 11-16 knot/ 4 ft 7 = 28-33 knot/14 ft 10 = 48-55 knot/29 ft

2 = 4-6 knot/ 0.5 ft 5 = 17-21 knot/ 6 ft 8 = 34-40 knot/18 ft 11 = 56-63 knot/37 ft

Waves: 0-1 ft Wind (speed & direction): NE @ 10-12 kts

AIR TEMP: 79 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 83 °C/(F) Column (mid-depth) 80 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

aft

PORT SCREEN CONTENTS: clay, mud, wood, metal, plastic, rope/net

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD. YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Mary Lee Observer firm: REMSA, INC.

Observer signature Mary Lee

CONTRACT # W91278-04-C-0045

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 SEP 04

PROJECT NAME: MOBILE BAY / CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT, LLC

LOAD #: 014 LOAD start date: 11 Sep 04 Times (24hrs): Start 1356 End 1427

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD / CHAIN Size of dragheads: 15' x 6'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Clay, mud, wood, & misc. debris

Weather conditions: Pt. 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: 0-1 ft Wind (speed & direction): SW @ 7-10 Kts

AIR TEMP: 89 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 85 °C/(F) Column (mid-depth) 80 °C/(F) Bottom ___ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: clay, mud, wood, metal, & rope/net, & plastic

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO V

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Marcy Lee Observer firm: REMSA, INC.

Observer signature: Marcy Lee

CONTRACT # W91278-04-C-0045

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 SEP 04

PROJECT NAME: MOBILE BAY / CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT, LLC.

LOAD #: 016 LOAD start date: 12Sep.04 Times (24hrs): Start 0254 End 0324

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD / CHAIN Size of dragheads: 15' x 6'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: clay, mud, wood & misc. debris

Weather conditions: pt. cloudy

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

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

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

Waves: 0-1 ft Wind (speed & direction): ESE @ 5-7 kts

AIR TEMP: 77 °C/(F) °C = 5/9 (°F - 32); °F = 9/5 (°C) + 32

WATER TEMP: Surface 82 °C/(F) Column (mid depth) 80 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: Clay, mud, wood, metal, & net/rope

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD. YES ___ NO Y

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Margaret Observer firm: REMSA, INC.

Observer signature Margaret

CONTRACT # W91278-04-C-0045

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W91278-04-C0045 Maintenance X /New Work ____ PROJECT start date 07 SEP 04

PROJECT NAME: MOBILE BAY / CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT, LLC.

LOAD #: 017 LOAD start date: 12 Sep 04 Times (24hrs): Start 0914 End 0950

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD / CHAIN Size of dragheads: 15' x 6'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: clay, mud, wood, & misc. debris

Weather conditions: ~~H~~ cloudy, 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 = [illegible]
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 0-1 ft Wind (speed & direction): E @ 9-11 KTS

AIR TEMP: 80 °C/°F °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

WATER TEMP: Surface 80 °C/°F Column (mid-depth) 80 °C/°F Bottom — °C/°F

SCREEN TYPE

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

aft

PORT SCREEN CONTENTS: clay, mud, metal, wood, plastic, rope & net

STARBOARD SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 2-3 T. truncatus off stbd beam @ 09:42, 3 shrimp eel on cat walk in hopper

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's name: Marcy Lee Observer firm: REMSA, INC.

Observer signature Marcy Lee

CONTRACT # W91278-04-C-0045

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 SEP 04

PROJECT NAME: MOBILE BAY / CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT, LLC.

LOAD #: 018 LOAD start date: 12 Sep 04 Times (24hrs): Start 1550 End 1620

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD / CHAIN Size of dragheads: 15' x 6'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: mud, clay, wood, & misc. debris

Weather conditions: 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 = [illegible]

1 = 1-3 knot/ 0.25 ft 4 = 11-16 knot/ 4 ft 7 = 28-33 knot/14 ft 10 = 48-55 knot/29 ft

2 = 4-6 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): ESE @ 5-7 kts

AIR TEMP: 83 °C/(F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

WATER TEMP: Surface 82 °C (F) Column (mid-depth) 80 °C/(F) Bottom ___ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: clay, mud, wood, metal, plastic, & rope/net

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD. YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Marcy Lee Observer firm REMSA, INC.

Observer signature Marcy Lee

CONTRACT # W91278-04-C-0045

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 SEP 04

PROJECT NAME: MOBILE BAY / CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT, LLC.

LOAD #: 019 LOAD start date: 12Sep04 Times (24hrs): Start 2203 End 2232

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD / CHAIN Size of dragheads: 15' x 6'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: clay, mud, wood, & misc. debris

Weather conditions: 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 = [illegible]

1 = 1- 3 knot/ 0.25 ft 4 = 11-16 knot/ 4 ft 7 = 28-33 knot/14 ft 10 = 48-55 knot/29 ft

2 = 4- 6 knot/ 0.5 ft 5 = 17-21 knot/ 6 ft 8 = 34-40 knot/18 ft 11 = 56-63 knot/37 ft

Waves: 0-1 ft Wind (speed & direction): NE @ 10-12kts

AIR TEMP: 81 °C/(F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

WATER TEMP: Surface 82 °C/(F) Column (mid-depth) 80 °C/(F) Bottom — °C/°F

SCREEN TYPE

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

aft

PORT SCREEN CONTENTS: clay, mud, metal, wood, plastic, & net/rope

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD. YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Marc Lee Observer firm: REMSA, INC.

Observer signature: Marc Lee

CONTRACT # W91278-04-C-0045

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 SEP 04

PROJECT NAME: MOBILE BAY / CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT, LLC.

LOAD #: 020 LOAD start date: 13Sep04 Times (24hrs): Start 0440 End 0519

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD / CHAIN Size of dragheads: 15' x 6'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: clay, mud, wood & MSE debris

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: 0-2 ft Wind (speed & direction): NE @ 13-15 kts

AIR TEMP: 71 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 82 °C/(F) Column (mid-depth) 80 °C (F) Bottom ____ °C/°F

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

gat

PORT SCREEN CONTENTS: clay, rocks, trash, plastic, & net/rope
1 crab, 1 eel jerk on catwalk

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Mary Lee / Shannon Smallwood Employer name: REMSA, INC.

Observer signature: Mary Lee / Shannon Smallwood

CONTRACT # W91278-04-C-0045

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W91278-04-C0045 Maintenance X /New Work ____ PROJECT start date 07 SEP 04

PROJECT NAME: MOBILE BAY / CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT, LLC.

LOAD #: 022 LOAD start date: 13 Sept 04 Times (24hrs): Start 1759 End 1831

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD / CHAIN Size of dragheads: 15' x 6'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: clay, mud, wood, misc. debris

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 = [illegible]
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 0-2 ft Wind (speed & direction): 7-9 knots SE

AIR TEMP: 85.6 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/5 (°F + 32))

WATER TEMP: Surface ≅ 82 °C/(F) Column (mid-depth) ≅ 80 °C/(F) Bottom ___ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: clay, mud, net, rope, misc trash. Fell fish on cat walk

aft only

STARBOARD SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD. YES ___ NO ___

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: last load. Dredge relocates to Western gulf to avoid Hurricane Ivan.

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name Shanon L. Small Observer firm REMSA, INC.

Observer signature Shanon L Small

CONTRACT # W91278-04-C-0045

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 SEP 04

PROJECT NAME: MOBILE BAY / CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT, LLC.

LOAD #: 023 LOAD start date: 20 sept 04 Times (24hrs): Start 0927 End 0958

Condition of screening: Port Good Starboard Good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD / CHAIN Size of dragheads: 15' x 6'

Draghead deflector? YES X NO ___ Condition of deflector: GOOD

Type of material dredged: mud

Weather conditions: good vis. light chop.

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: 4-5 ft Wind (speed & direction): 15-20 NE

AIR TEMP: 75 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/(°F) Column (mid-depth) 77 °C/(°F) Bottom ___ °C/°F

SCREEN TYPE

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

aft only

PORT SCREEN CONTENTS: clay, mud, wood, metal, net, ropes, misc debris.

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: SHANON L. SMALL Observer firm: REMSA, INC.

Observer signature: Shanon L. Small

CONTRACT # W91278-04-C-0045

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 SEP 04

PROJECT NAME: MOBILE BAY / CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT, LLC.

LOAD #: 024 LOAD start date: 20Sept04 Times (24hrs): Start 1516 End 1540

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD / CHAIN Size of dragheads: 15' x 6'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: mud

Weather conditions: good vis. light chop

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

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

0 = <1 knot/ 0 ft; 1 = 1- 3 knot/ 0.25 ft; 2 = 4- 6 knot/ 0.5 ft; (3) = 7-10 knot/ 2 ft; 4 = 11-16 knot/ 4 ft; 5 = 17-21 knot/ 6 ft; 6 = 22-27 knot/10 ft; 7 = 28-33 knot/14 ft; 8 = 34-40 knot/18 ft; 9 = 41-47 knot/23 ft; 10 = 48-55 knot/29 ft; 11 = 56-63 knot/37 ft; 12 = >63 knot/ 0-15

Waves: 4 ft Wind (speed & direction): 8-10 NE

AIR TEMP: 84 °C/(F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/(F) Column (mid-depth) 77 °C/(F) Bottom ___ °C/F

SCREEN TYPE

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

PORT SCREEN CONTENTS: mud, clay, net/ropes, wood, metal, misc. debris

STARBOARD SCREEN CONTENTS:

qt only

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Dredging activity changed to Assignment #2 KP 1035+00 - 1045+00

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Shannon L. Small Observer firm: REMSA, INC.

Observer signature: Shannon L. Small

CONTRACT # W91278-04-C-0045

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 SEP 04

PROJECT NAME: MOBILE BAY / CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT, LLC.

LOAD #: 025 LOAD start date: 20 Sept 04 Times (24hrs): Start 2004 End 2028

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD / CHAIN Size of dragheads: 15' x 6'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Mud

Weather conditions: clear

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

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

0 = <1 knot/ 0 ft (3) = 7-10 knot/ 2 ft 6 = 22-27 knot/10 ft 9 = 41-47 knot/23 ft 12 = >65 kn/ 0-45

1 = 1- 3 knot/ 0.25 ft 4 = 11-16 knot/ 4 ft 7 = 28-33 knot/14 ft 10 = 48-55 knot/29 ft

2 = 4- 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): 6-8 NE

AIR TEMP: 26 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C / °F Column (mid-depth) 77 °C (F) Bottom ____ °C / °F

SCREEN TYPE

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

aft only

PORT SCREEN CONTENTS: clay, mud, metal, rope net, wood, misc debris

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Sharon L. Small Observer firm: REMSA, INC.

Observer signature: Sharon L. Small

CONTRACT # W91278-04-C-0045

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 SEP 04

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT, LLC.

LOAD #: 0116 LOAD start date: 21 Sept 04 Times (24hrs): Start 0052 End 0120

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD CHAIN Size of dragheads: 15' x 6'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: Mud

Weather conditions: Cloudy, light wind

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

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

0 = <1 knot/ 0 ft; 1 = 1- 3 knot/ 0.25 ft; 2 = 4- 6 knot/ 0.5 ft; 3 = 7-10 knot/ 2 ft; 4 = 11-16 knot/ 4 ft; 5 = 17-21 knot/ 6 ft; 6 = 22-27 knot/10 ft; 7 = 28-33 knot/14 ft; 8 = 34-40 knot/18 ft; 9 = 41-47 knot/23 ft; 10 = 48-55 knot/29 ft; 11 = 56-63 knot/37 ft; 12 = >63 knots/ 0-15

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

AIR TEMP: 75 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 77 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: Mud, clay, metal, Ropes, net, wood misc Debris

STARBOARD SCREEN CONTENTS:

est only

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's name: Sharon L. Small Observer firm: REMSA, INC.

Observer signature: Sharon L. Small

Contract # W91278-04-C-0045

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay / Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 027 LOAD start date: 21 Sept 04 Times (24hrs): Start 0532 End 0602

Condition of screening: Port Good Starboard Good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud

Weather conditions: Windy, Chop

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): 10-20 E

AIR TEMP: 72 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 77 °C/(°F) Bottom ____ °C/(°F)

SCREEN TYPE

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

aft only

PORT SCREEN CONTENTS: Clay, mud, wood, metal, rope, nets misc. Debris

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Shanon L. Small Observer firm: REMSA, Inc.

Observer signature: Shanon L Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-64-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: StuyvesAnt

DREDGE FIRM: Bean StuyvesAnt, LLC

LOAD #: 028 LOAD start date: 21Sept04 Times (24hrs): Start 1042 End 1112

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Mud

Weather conditions: partly cloudy

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

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

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 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): 3-6K SE

AIR TEMP: 79 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) ≅ 77 °C/°F Bottom ___ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: mud, clay, metal, wood, net & Rope

1 Skate egg case misc debris

aft only

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Shanon L. Small Observer firm: REMSA, Inc.

Observer signature: Shanon L Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 029 LOAD start date 21 Sept 04 Times (24hrs): Start 1711 End 1735

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: mud

Weather conditions: good vis. 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: 2-4 ft Wind (speed & direction): 10 KSE

AIR TEMP: 81 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/F Column (mid-depth) 77 °C (F) Bottom ___ °C/F

SCREEN TYPE

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

PORT SCREEN CONTENTS: mud, clay, metal, rope, nets, wood, misc. debris.

STARBOARD SCREEN CONTENTS:

aft only

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Shannon L. Small Observer firm: REMSA, Inc.

Observer signature: Shannon L Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-64-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 030 LOAD start date: 21Sept04 Times (24hrs): Start 2131 End 2222

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: mud

Weather conditions: clear

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

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

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 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): 10k SE

AIR TEMP: 79 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 77 °C/°F Bottom ___ °C/°F

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

PORT SCREEN CONTENTS: Mud, Clay, metal, Rot, Rope, Wood

misc Debris

aft only

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's name: Shanon L Small Observer firm: REMSA, INC.

Observer signature: Shanon L Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 031 LOAD start date: 22 Sept 04 Times (24hrs): Start 0221 End 0259

Condition of screening: Port Good Starboard Good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: Mud

Weather conditions: partly cloudy, slightly choppy

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 = >65 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 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): 15-20 K SE

AIR TEMP: 73 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≅ 77 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: clay, mud, wood, metal, rope, net, misc. debris

aft only

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Shanon L. Small Observer firm: REMSA, Inc.

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 02 Sept 04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 032 LOAD start date: 02 Sept 04 Times (24hrs): Start 0708 End 0743

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: mud

Weather conditions: partly cloudy, slight chop

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): 20-25k NE

AIR TEMP: 72 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

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

PORT SCREEN CONTENTS: mud, metal, rope, net, wood, clay

STARBOARD SCREEN CONTENTS: Mud Debris.

aft only

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Sharon L. Small Observer firm: REMSA, Inc.

Observer signature: Sharon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept 04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 033 LOAD start date: 22Sept04 Times (24hrs): Start 1205 End 1230

Condition of screening: Port Good Starboard Good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud

Weather conditions: partly cloudy, slight chop 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: 5-6 ft Wind (speed & direction): 20K NE

AIR TEMP: 79 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) ≅77 °C/°F Bottom ___ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: metal, mud, rope, nets, plastic

misc. debris

aft only

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Shanon L. Small Observer firm: REMSA, INC.

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 035 LOAD start date: 22Sept04 Times (24hrs): Start 2233 end 2256 (NA)

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: Mud

Weather conditions: overcast, windy, choppy

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): 20K NE

AIR TEMP: 78 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 77 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: mud, clay, wood, metal, plastic, tire, rope, net, misc. debris

STARBOARD SCREEN CONTENTS:

aft only

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: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Shanon L. Small Observer firm: REMSA, Inc.

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Jean Stuyvesant, LLC

LOAD #: 0316 LOAD start date: 25sept04 Times (24hrs): Start 0945 End 1045

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 1 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: Sand

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: 2-3 ft Wind (speed & direction): 12-17k NE

AIR TEMP: 28 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≅79 °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%

aft only

PORT SCREEN CONTENTS: 1 bluecrab, 3-5 shells (material clean sand)

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 1

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Dredge location relocated to Assignment 3 KP2120+00 to 2140+00

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Shanon L. Small Observer firm: REMSA, Inc

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Reed Stuyvesant, LLC

LOAD #: 037 LOAD start date: 25Sept04 Times (24hrs): Start 1234 End 1435

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 1 Type of dragheads used: STD/chain Size of dragheads: 15'X16'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: Sand

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: 2-3 ft Wind (speed & direction): 5-10K NE

AIR TEMP: 87 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≈ 79 °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%

aft only

PORT SCREEN CONTENTS: Some misc. Debris, Clay

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Sharon L. Small Observer firm: REMSA, INC

Observer signature: Sharon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0046 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 038 LOAD start date: 25Sept04 Times (24hrs): Start 1539 End 1712

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 1 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: chain damaged & repaired

Type of material dredged: Sand

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: 2-3 ft Wind (speed & direction): 5-10 NE

AIR TEMP: 85 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 79 °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%

aft only

PORT SCREEN CONTENTS: some misc. debris 3-4 whelk shells

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: starboard chain on inside edge of deflector broke welded for a permanent repair

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Sharon L. Small Observer firm: REMSA, INC

Observer signature: Sharon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Ben Stuyvesant

LOAD #: 039 LOAD start date: 25Sept04 Times (24hrs): Start 1957 End 2152

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 1 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: 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 knots/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 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): 10-15kn

AIR TEMP: 82 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 79 °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: clean sand

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Chain on deflector intact starboard side.

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Sharon L. Small Observer firm: REMSA, Inc

Observer signature: Sharon L. Small

Only

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780 4C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Rean Stuyvesant LLC

LOAD #: 040 LOAD start date: 25 Sept 04 Times (24hrs): Start 2314 End 0118

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 1 Type of dragheads used: STD chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: 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): 10-15 N

AIR TEMP: 78 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid depth) 79 °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%

cut only

PORT SCREEN CONTENTS: clean sand

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Shanon L. Small Observer firm: REMSA, Inc

Observer signature: Shanon L Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-64-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 041 LOAD start date: 26Sept04 Times (24hrs): Start 0239 End 0420

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 1 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: 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: 1-3 ft Wind (speed & direction): 10-15 NNE

AIR TEMP: 76 °C (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) ≈ 79 °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: clear sand

STARBOARD SCREEN CONTENTS:

Aft only

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Shanon L. Small Observer firm: REMSA, Inc

Observer signature: Shanon L Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 042 LOAD start date: 26sept04 Times (24hrs): Start 0536 End 0731

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 1 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Sand

Weather conditions: Clear, windy

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

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

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

Waves: 1-3 ft Wind (speed & direction): 15-20 NNW

AIR TEMP: 74 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≅79 °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: clean sand

5-7 whole shells, 1 sand dollar

aft overflow

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 1

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer Name: Shanon L. Small Observer firm: REMSA, Inc.

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 043 LOAD start date: 26 Sept 04 Times (24hrs): Start 0845 End 1046

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 1 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Sand

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: 1-3 ft Wind (speed & direction): 20-25 NNW

AIR TEMP: 77 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 79 °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%

aft only

PORT SCREEN CONTENTS: clean sand, 5 whelk shells

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Shanon L. Small Observer firm: REMSA, Inc.

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-64-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyves Ant

DREDGE FIRM: Bean Stuyves Ant, LLC

LOAD #: 045 LOAD start date: 26Sept04 Times (24hrs): Start 1443 End 1646

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 1 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: Sand

Weather conditions: partly cloudy, windy w/ strong gusts

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: 2-5 ft Wind (speed & direction): 15-20 N

AIR TEMP: 81 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 79 °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%

1 aft only

PORT SCREEN CONTENTS: 1 Blue crab for whelkshells

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 1

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Shanon L. Small Observer firm: REMSA, INC.

Observer signature: Shanon L Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-64-C-0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyves Ant

DREDGE FIRM: Bean Stuyves Ant, LLC

LOAD #: 047 LOAD start date 26 Sept 04 Times (24hrs): Start 2118 End 2328

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 1 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: 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: 2-4 ft Wind (speed & direction): 20 nw

AIR TEMP: 80 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≅ 79 °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%

aft only

PORT SCREEN CONTENTS: live clearnose skate, crabspider live whelk released

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Sharon L. Small Observer firm: REMSA, INC.

Observer signature: Sharon L Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL
CONTRACT #: W91278-04-C-0048 Maintenance X /New Work ____ PROJECT start date 07Sept04
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant
DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 048 LOAD start date: 27Sept04 Times (24hrs): Start 0098 End 0250

Condition of screening: Port Good Starboard Good Overflow n/A

Number of dragheads in use: 1 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: 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: 2-4 ft Wind (speed & direction): 15-20 NNW

AIR TEMP: 77 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≈ 79 °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: clear

aft only

STARBOARD SCREEN CONTENTS:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's name: Shanon L. Small Observer firm: REMSA, Inc
Observer signature: Shanon L Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 049 LOAD start date: 27Sept04 Times (24hrs): Start 0428 End 0607

Condition of screening: Port Good Starboard Good Overflow n/A

Number of dragheads in use: 1 Type of dragheads used: Grid/chain Size of dragheads: 15' x 16'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: SAND

Weather conditions: Hazy

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): 10-17 NNW

AIR TEMP: 73 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≈79 °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%

aft only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: clear

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer Name: Sharon L. Small Observer firm: REMSA, Inc

Observer signature: Sharon L. Small

10

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 050 LOAD start date: 27Sept04 Times (24hrs): Start 0729 End 0917

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 1 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: SAND

Weather conditions: Hazy

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: 1-3 ft Wind (speed & direction): 15-20 nnw

AIR TEMP: 73 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) ≈ 79 °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%

Upt only

PORT SCREEN CONTENTS: clean

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 1 on top of Basket

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: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Shanon L. Small Observer firm: REMSA, INC

Observer signature: Shanon L Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0025 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 051 LOAD start date: 27Sept04 Times (24hrs): Start 1039 End 1217

Condition of screening: Port Good Starboard Good Overflow n/A

Number of dragheads in use: 1 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: SAND

Weather conditions: Hazy, 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: 1-3 ft Wind (speed & direction): 15-20 NNW

AIR TEMP: 73 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ~78 °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%

up* only

PORT SCREEN CONTENTS: Clear

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 1

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Shanon L. Small Observer firm: REMSA, Inc

Observer signature: Shanon L Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912DR-04-C-0015 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 052 LOAD start date: 27Sept04 Times (24hrs): Start 1336 End 1338

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 1 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: SAND

Weather conditions: sunny, clear sky

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: 1-3 ft Wind (speed & direction): 15 NNW

AIR TEMP: 73 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 78 °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%

uft only

PORT SCREEN CONTENTS: clear

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Shanon L. Small Observer firm: REMSA, Inc

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: STUYVESANT

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 053 LOAD start date: 27Sept04 Times (24hrs): / Start 1105 End 1815

Condition of screening : Port Good Starboard Good Overflow N/A

Number of dragheads in use: 1 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: Sand

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: 1-3 ft Wind (speed & direction): 10-15 SW

AIR TEMP: 73 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface — °C/°F Column (mid-depth) ≈78 °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%

aft only

PORT SCREEN CONTENTS: wood
1 Northern Stingray
1 Chamase Shark

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Starboard arm & Draghead damaged by obstruction. Deflector inoperat & in working order.

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Sharon L. Small Observer firm: REMSA, INC

Observer signature: Sharon L Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date: 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Kean Stuyvesant, LLC

LOAD #: 054 LOAD start date: 27Sept04 Times (24hrs): Start 2002 End 2242

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 1 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: 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: 1-3 ft Wind (speed & direction): 10-15 SW

AIR TEMP: 73 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≅ 78 °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: wood

STARBOARD SCREEN CONTENTS: clear

aft only

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Shanon L. Small Observer firm: REMSA, INC

Observer signature: Shanon L Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0015 Maintenance X New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Jan Stuyvesant, LLC

LOAD #: 065 LOAD start date: 28Sept04 Times (24hrs): Start 0000 End 0133

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 1 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: 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): 5-10 n

AIR TEMP: 73 °C (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

WATER TEMP: Surface ____ °C (F) Column (mid-depth) ≈78 °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: unidentified crab, clear more skate

STARBOARD SCREEN CONTENTS:

alt only

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Shanon L. Small Observer firm: REMSH, Inc

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912 78-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvestant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 056 LOAD start date: 28Sept04 Times (24hrs): Start 0310 End 0508

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 1 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: SAND

Weather conditions: clear, wind lo 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): 5-8 n

AIR TEMP: 73 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) ≈ 78 °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:

STARBOARD SCREEN CONTENTS: clear

Aft only

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's name: Shanon L. Small Observer firm: LEMSA, Inc

Observer signature: Shanon L Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912BG4C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 057 LOAD start date: 28Sept04 Times (24hrs): Start 0623 End 0826

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 1 Type of dragheads used: STD/Chan Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: SAND

Weather conditions: Hazy, 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: 1-2 ft Wind (speed & direction): 5-8 N

AIR TEMP: 83 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) ≈ 78 °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%

aft only

PORT SCREEN CONTENTS: 1 Clear nose shake

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's name: Shanon L Small Observer firm: REMSA, INC

Observer signature: Shanon L Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 058 LOAD start date: 28Sept04 Times (24hrs): Start 0946 End 1138

Condition of screening: Port Good Starboard Good Overflow n/A

Number of dragheads in use: 1 Type of dragheads used: STD/Chain Size of dragheads: 15' x 16'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: SAND

Weather conditions: Hazy, 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: 1-2 ft Wind (speed & direction): 5-8 n

AIR TEMP: 82 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface — °C/°F Column (mid-depth) 78 °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%

aft only

PORT SCREEN CONTENTS: Clear

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Sharon L. Small Observer firm: DEMSA, Inc

Observer signature: Sharon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work _____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 060 LOAD start date: 8 Oct 04 Times (24hrs): Start 1426 End 1451

Condition of screening: Port Good Starboard Good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: Mud

Weather conditions: Hazy, 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: 0-1 ft Wind (speed & direction): 5-10 ESE

AIR TEMP: 84 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 78 °C (F) Bottom ___ °C/°F

SCREEN TYPE

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

aft only

PORT SCREEN CONTENTS: Misc. Debris.

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Dredge working in Assignment #4 KP 1095+00 - 1135+00

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Sharon L. Small Observer firm: REMSA, INC.

Observer signature: Sharon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 061 LOAD start date: 01 Oct 04 Times (24hrs): Start 2016 End 2049

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: mud

Weather conditions: clear, fair

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: 0-1 ft Wind (speed & direction): 5-10 SE

AIR TEMP: 79 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface — °C/°F Column (mid-depth) ≅ 78 °C (F) Bottom — °C/°F

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

aft only

PORT SCREEN CONTENTS: Misc Debris, wood

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer Name: Shanon L. Spnall Observer firm: REMSA, Inc.

Observer signature: Shanon L. Spnall

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 062 LOAD start date: 02 Oct 04 Times (24hrs): Start 0102 End 0131

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Mud

Weather conditions: fair

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: 0-1 ft Wind (speed & direction): 5-10 SE

AIR TEMP: 78 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/F Column (mid-depth) ≅78 °C/(F) Bottom ____ °C/F

SCREEN TYPE

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

aft only

PORT SCREEN CONTENTS: misc debris, wood, mud, clay

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Shanon L. Small Observer firm: REMSA, Inc.

Observer signature: Shanon L Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 063 LOAD start date: 20 Oct 04 Times (24hrs): Start 0607 End 0631

Condition of screening: Port Good Starboard Good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud

Weather conditions: Cloudy, 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 = >65 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 0-1 ft Wind (speed & direction): 3-5 n

AIR TEMP: 82 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≈80 °C/°F Bottom ___ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: ____

aft only

STARBOARD SCREEN CONTENTS: misc Debris, wood, mud

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Debris in baskets covered in thick mud and difficult to identify. Extra rinse adjusted for next load.

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Shannon L. Small Observer firm: REMSA, Inc.

Observer signature: Shannon L Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work _____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 064 LOAD start date: 02Oct04 Times (24hrs): Start 1056 End 1117

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Mud

Weather conditions: Cloudy 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: 0-1 ft Wind (speed & direction): 3-5 N

AIR TEMP: 82 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface — °C/F Column (mid-depth) ≈80 °C/(F) Bottom — °C/F

SCREEN TYPE

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

Opt only

PORT SCREEN CONTENTS: mud, debris & wood

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES _____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Screens cleaned of debris & superflushed

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Shannon L. Small Observer firm: REMSA, Inc.

Observer signature: Shannon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 065 LOAD start date: 02 Oct 04 Times (24hrs): Start 1553 End 1617

Condition of screening: Port Good Starboard Good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: Mud

Weather conditions: Hazy, fair

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 = >65 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 0-1 ft Wind (speed & direction): 3-5 n

AIR TEMP: 87 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) ≅80 °C/°F Bottom ___ °C/°F

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

aft only

PORT SCREEN CONTENTS: ___

STARBOARD SCREEN CONTENTS: Clear; some light Debris Mud

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Much easier to evaluate withheld material since basket dump last load.

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Shannon L. Small Observer firm: REMSA, Inc.

Observer signature: Shannon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 0106 LOAD start date 02 Oct 04 Times (24hrs): Start 2056 End 2106

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: mud

Weather conditions: clear, calm

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 = >65 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 0-1 ft Wind (speed & direction): 3-5 n

AIR TEMP: 81 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≅ 80 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

aft only

PORT SCREEN CONTENTS: clear; some light Debris

STARBOARD SCREEN CONTENTS: mud

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Sharon L. Small Observer firm: REMSA, Inc.

Observer signature: Sharon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 067 LOAD start date: 03Oct04 Times (24hrs): Start 0117 End 0141

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Mud

Weather conditions: clear

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

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

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

Waves: 0-1 ft Wind (speed & direction): S n

AIR TEMP: 79 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≅80 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

aft only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: clear; light debris & mud

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Shannon L. Small Observer firm: REMSA, INC.

Observer signature: Shannon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 0108 LOAD start date: 030ct04 Times (24hrs): Start 0622 End 0645

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Drag head deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: mud

Weather conditions: Hazy Fair

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 knots/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 0-1 ft Wind (speed & direction): 3-8 n

AIR TEMP: 79 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C / °F Column (mid-depth) ≈80 °C (F) Bottom ____ °C (F)

SCREEN TYPE

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

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Clear, light debris & mud

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Shanon L. Small Observer firm: REMSA, Inc.

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 0009 LOAD start date 08Oct04 Times (24hrs): Start 1128 End 1157

Condition of screening: Port Good Starboard Good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

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

Type of material dredged: MUD

Weather conditions: Haze, Fair

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 knots/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 0-1 ft Wind (speed & direction): 5-10 NNE

AIR TEMP: 82 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≅ 80 °C/(F) Bottom ____ °C/°F

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

aft only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Clear, light Debris, mud

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Eel fish on catwalk in hopper

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Shanon L. Small Observer firm: REMSA, Inc.

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept 04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 071 LOAD start date: 23 Oct 04 Times (24hrs): Start 2104 End 2127

Condition of screening: Port Good Starboard Good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: Mud

Weather conditions: Clear

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

Beaufort Sea States (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: 1-2 ft Wind (speed & direction): 3-6K n

AIR TEMP: 84 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 80 °C/°F Bottom ___ °C/°F

SCREEN TYPE

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

aft only

PORT SCREEN CONTENTS: Clear, light Debris, mud

STARBOARD SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Sharon L. Small Observer firm: REMSA, Inc.

Observer signature: Sharon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 072 LOAD start date: 04 Oct 04 Times (24hrs): Start 0128 End 151

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Mud

Weather conditions: Partly cloudy

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

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

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

Waves: 0.9 ft Wind (speed & direction): 5-10 NNE

AIR TEMP: 79 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≤80 °C (°F) Bottom ____ °C/°F

SCREEN TYPE

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

aft only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Clam, light Debris, mud

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Shannon L. Small Observer firm: DEMSA, INC.

Observer signature: Shannon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept 04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 073 LOAD start date: 04 Oct 04 Times (24hrs): Start 0618 End 0621

Condition of screening: Port Good Starboard Good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: Mud

Weather conditions: Partly cloudy

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

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

0 = <1 knot/ 0 ft	(3 =) 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 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 NNE

AIR TEMP: 79 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 80 °C (F) Bottom ____ °C/°F

SCREEN TYPE

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

aft only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Clear: Light Debris, mud

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Sharon L. Small Observer firm: REMSA, Inc.

Observer signature: Sharon L Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912DR-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 074 LOAD start date: 04Oct04 Times (24hrs): Start 1051 End 1114

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: Stichman Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Mud

Weather conditions: Haze, 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 NNE

AIR TEMP: 84 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≈80 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

aft only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Clean, light Debris, mud

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 1 eel fish found in Hopper on catwalk

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer Name: Shanon L. Small Observer firm: REMSA, Inc

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept 04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 075 LOAD start date: 04Oct 04 Times (24hrs): Start 1516 End 1541

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: 8 mud

Weather conditions: Fair

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 knots/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 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 NNE

AIR TEMP: 88 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≅ 80 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

Port only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: clear; light Debris, mud

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 2 unidentified small flat fish found on cat walk in Hopper

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Sharon L. Small Observer firm: REMSA, INC.

Observer signature: Sharon L Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 0076 LOAD start date: 04Oct04 Times (24hrs): Start 1955 End 2025

Condition of screening: Port Good Starboard Good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: Mud

Weather conditions: Fair

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): 5-10 SE

AIR TEMP: 82 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≅80 °C/(F) Bottom ____ °C (F)

SCREEN TYPE

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

O/T only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Clean; light Debris, mud

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Shanon L. Sorrell Observer firm: REMSA, Inc.

Observer signature: Shanon L. Sorrell

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: J91278-04-C0045 Maintenance X /New Work ____ FROJECT start date 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 077 LOAD start date: 05Oct04 Times (24hrs): Start 0032 End 1107

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Mud

Weather conditions: Muddy cloudy

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: 0-1 ft Wind (speed & direction): 10-15 SE

AIR TEMP: 79 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≅ 80 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

aft only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Clear, light Debris, mud

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Shanon L. Small Observer firm: REMSA, Inc.

Observer signature: Shanon L Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 078 LOAD start date: 05Oct04 Times (24hrs): Start 0512 End 0545

Condition of screening: Port Good Starboard Good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

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

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

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 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): 10-12 E

AIR TEMP: 79 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≅ 80 °C/(F) Bottom ____ °C/°F

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

aft only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Clear; light Debris, mud

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Shannon L. Small Observer firm: REMSA, Inc.

Observer signature: Shannon L Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 079 LOAD start date 05 Oct 04 Times (24hrs): Start 0946 End 1016

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

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

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

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 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): 10-12 E

AIR TEMP: 82 °C/(F) °C = 5/9 (°F - 32); °F = 9/5 (°C) + 32

WATER TEMP: Surface ____ °C/(F) Column (mid-depth) ≅ 80 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

Aft only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Clear; light debris, mud

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Sharon L. Small Observer firm: REMSA, Inc.

Observer signature: Sharon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: J91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 080 LOAD start date: 05Oct04 Times (24hrs): Start 1417 End 1447

Condition of screening: Port Good Starboard Good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Good

Type of material dredged: MUD

Weather conditions: Hazy, Overcast, Very light Rain

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

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

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

Waves: 1-2 ft Wind (speed & direction): 10-12 E

AIR TEMP: 81° °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≅ 80 °C/(F) Bottom ____ °C/°F

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

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Clean, Misc debris, Mud

qft only

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Shanon L. Small Observer firm: REMSA, INC.

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: J91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 081 LOAD start date 05Oct04 Times (24hrs): Start 1859 End 1913

Condition of screening: Port Good Starboard Good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD

Weather conditions: Overcast

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

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

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 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): 8-10 E

AIR TEMP: 81 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≈ 80 °C/(°F) Bottom ____ °C/°F

SCREEN TYPE

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

aft only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Clear; mud debris mud

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Shanon L. Small Observer firm: REMSH, INC.

Observer signature: Shanon L Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0085 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 082 LOAD start date: 05Oct04 Times (24hrs): Start 2338 End 0008

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: MUD

Weather conditions: partly cloudy

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

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

0 = <1 knot/ 0 ft	(3) = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knots/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 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): 10-15E

AIR TEMP: 79 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 80 °C/(°F) Bottom ____ °C/°F

SCREEN TYPE

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

aft only

PORT SCREEN CONTENTS: clear, light debris, mud

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Screens 30% clogged with mud. Superflush requested next load. Jellyfish and flat fish found on cat walk in hopper.

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer Name: Shanon L. Small Observer firm: DEMSA, Inc.

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: J91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 083 LOAD start date: 06Oct04 Times (24hrs): Start 0419 End 0454

Condition of screening: Port Good Starboard Good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD

Weather conditions: Hazy, 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: 1-2 ft Wind (speed & direction): 8-10 E

AIR TEMP: 76 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) ≅80 °C/(F) Bottom ___ °C/°F

SCREEN TYPE

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

Off only

PORT SCREEN CONTENTS: Clean, Misc Debris, mud & clay

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Screens 10% clogged with clay. Clay on Starboard drag arm

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Sharon L. Small Observer firm: REMSA, Inc.

Observer signature: Sharon L Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Regan Stuyvesant, LLC

LOAD #: 084 LOAD start date: 06 Oct 04 Times (24hrs): Start 0909 End 0939

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: MUD

Weather conditions: Haze, 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): 16 ESE

AIR TEMP: 75 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≅ 80 °C/(°F) Bottom ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Muse Debris; Clay & MUD

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Screens 30% clogged with clay. Clay on Starboard Chamf Deflector

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Shanon L. Small Observer firm: DEMSA, Inc.

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912DR-04-C-0015 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 085 LOAD start date: 06 Oct 04 Times (24hrs): Start 1347 End 1417

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: MUD

Weather conditions: Hazy

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

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

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

Waves: 2-4 ft Wind (speed & direction): 10-15 ESE

AIR TEMP: 82.5 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 80 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

alts only

PORT SCREEN CONTENTS: Misc Debris; clay, mud

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Screen covered 50% with clay. Starboard draghead covered with clay.

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer name: Shanon L. Small Observer firm: REMSA, Inc.

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 0086 LOAD start date: 06 Oct 04 Times (24hrs): Start 1925 End 1857

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: mud

Weather conditions: Hazy, 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: 4-5 ft Wind (speed & direction): 10-15 ESE

AIR TEMP: ≅81 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) ≅80 °C/(F) Bottom ___ °C/°F

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

___ Overflow screening: None 25% 50% 75% 100%

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

PORT SCREEN CONTENTS: unidentified scorpionfish

STARBOARD SCREEN CONTENTS: miso Debris, mud & clay

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Screens 75% clogged with clay. Starboard draghead covered in clay.

Number observers used/24hrs: 1 % Monitoring/24hrs: None 25% 50% 75% (100%)

Observer name: Shannon L. Small Observer firm: REMSA, Inc.

Observer signature: Shannon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 087 LOAD start date 06Oct04 Times (24hrs): Start 2300 End 2330

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: MUD

Weather conditions: overcast

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

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

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

Waves: 4-5 ft Wind (speed & direction): 10-15 ESE

AIR TEMP: ~80 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ~80 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

Aft only

PORT SCREEN CONTENTS: light debris, wood, light clay

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: superflush of hopper after load was dumped. Screens much less clay

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Sharon L. Small Observer firm: REMSA, Inc.

Observer signature: Sharon L. Small

ENDANGERED SPECIES OBSERVER FORM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL
CONTRACT #: J91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date: 07 Sept 04
PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant
DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 088 LOAD start date: 07 Oct 04 Times (24hrs): Start 0351 End 0423

Condition of screening: Port Good Starboard Good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'
Draghead deflector? YES X NO ____ Condition of deflector: Good

Type of material dredged: Mud

Weather conditions: Overcast, partly 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: 4-6 ft Wind (speed & direction): 15-20 E'ly

AIR TEMP: 78 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≅ 79 °C/(°F) Bottom ____ °C/°F

SCREEN TYPE

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

aft only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Light Debris, Mud, Light clay

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 3 eel like fish found on catwalk in hopper

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)
Observer name: Shanon L. Small Observer firm: REMSA, Inc.
Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

79

LOAD #: 089 LOAD start date: 07 Oct 04 Times (24hrs): Start 0848 End 0910

Condition of screening: Port Good Starboard Good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD

Weather conditions: Overcast, 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
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft
2 = 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: 4-6 ft Wind (speed & direction): 15-20 E'LY

AIR TEMP: 78 °C/F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 79 °C/F Bottom ____ °C/°F

SCREEN TYPE

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

aft only

PORT SCREEN CONTENTS: Light Debris, mud, light clay

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 1 on catwalk in hopper

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 2 eel like fish on catwalk in hopper

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer name: Shanon L Small Observer firm: REMSA, Inc.

Observer signature: Shannon L Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-64-C-0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 091 LOAD start date: 07 Oct 04 Times (24hrs): Start 1831 End 1904

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: MUD

Weather conditions: Overcast, 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: 6-8 ft Wind (speed & direction): 25-30 E'LY

AIR TEMP: 80 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) ≤79 °C/°F Bottom ___ °C/°F

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

aft ~~only~~ + mid

PORT SCREEN CONTENTS: Mid: light Debris,

STARBOARD SCREEN CONTENTS: Aft: mud Debris & small unidentified Barracuda like fish

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

* Comments: main hopper inflow broke open door to mid loader. Unable to flush mud in Aft loader. Only mid screens checked for content. Aft baskets held & will be checked upon repair at 1st light.

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's name: Shanon L. Small Observer firm: REMSA, INC.

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept 04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 092 LOAD start date 07Oct04 Times (24hrs): Start 2319 End 2339

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: mud

Weather conditions: overcast, windy, choppy 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: 6-8 ft Wind (speed & direction): 2530 E'LY

AIR TEMP: 78 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 79 °C/(F) Bottom ___ °C/°F

SCREEN TYPE

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

mid only

PORT SCREEN CONTENTS: clear

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: * mid loader in use only *
Heavy clay on Starboard chain & Deflector

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Shanon L. Small Observer firm: REMSA, INC.

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: J91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 093 LOAD start date: 08Oct04 Times (24hrs): Start 0415 End 0440

Condition of screening: Port Good Starboard Good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD

Weather conditions: Hazy

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

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

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	(6) = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >65 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	

Waves: 10-6 ft Wind (speed & direction): 25-30 E'LY

AIR TEMP: 76 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 79 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

MID only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Clear

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Aft Screen baskets checked for content of load 91. Repairs made to inflow door in MID loader.

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Sharon L. Small Observer firm: REMSA, Inc.

Observer signature: Sharon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date: 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 094 LOAD start date: 08Oct04 Times (24hrs): Start 0922 End 0957

Condition of screening: Port Good Starboard Good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD

Weather conditions: Overcast, light 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: 0-8 ft Wind (speed & direction): 20-25 E'LY

AIR TEMP: 75 °C/F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/F Column (mid-depth) ≈79 °C/F Bottom ___ °C/F

SCREEN TYPE

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

Aft only

PORT SCREEN CONTENTS: Misc Debris, mud, clay

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 1 redfish on catwalk in Hopper
* Aft loading basket in use only *

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer name: Shanon L. Spoll Observer firm: REMSA, Inc.

Observer signature: Shanon L. Spoll

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 095 LOAD start date: 08Oct04 Times (24hrs): Start 1434 End 1528

Condition of screening: Port Good Starboard Good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD

Weather conditions: Overcast, light rain, 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: 5-7 ft Wind (speed & direction): 20-25 E'LY

AIR TEMP: 75 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 79 °C/(F) Bottom ___ °C/°F

SCREEN TYPE

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

aft only

PORT SCREEN CONTENTS:

STARBOARD SCREEN CONTENTS: Misc Debris, mud

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Dredge work relocated #5 Assignment. KP 850+00 890+00

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Shanon C. Small Observer firm: DEMSA, Inc.

Observer signature: Shanon C. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 0916 LOAD start date: 08Oct04 Times (24hrs): Start 2037 End 2100

Condition of screening: Port Good Starboard Good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD

Weather conditions: overcast, 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: 5-7 ft Wind (speed & direction): 20-25 E'LY

AIR TEMP: 74 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≈ 79 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

aft mly

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Misc Debris, MUD, Clay

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Shanon L. Small Observer firm: REMSA, Inc.

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 097 LOAD start date: 09 Oct 04 Times (24hrs): Start 0216 End 0249

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: MUD

Weather conditions: overcast, part cloudy, light 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: 5-7 ft Wind (speed & direction): 15-20 ELY

AIR TEMP: 77 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 79 °C/(F) Bottom ___ °C/°F

SCREEN TYPE

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

aft only

PORT SCREEN CONTENTS:

STARBOARD SCREEN CONTENTS: Muse Debris, mud, clay

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 1 flat fish on catwalk in hopper.

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Sharon L. Small Observer firm: REMSA, Inc.

Observer signature: Sharon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 098 LOAD start date: 09Oct04 Times (24hrs): Start 0801 End 0832

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: MUD

Weather conditions: overcast, light 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: 5-7 ft Wind (speed & direction): 22-30 E'LY

AIR TEMP: 76 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≅79 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

CPS only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: MUD Debris, light clay

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: clay on starboard drag deflector. Eel & flat fish on catwalk in hopper

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Sharon G Smith Observer firm: REMSA, Inc.

Observer signature: Sharon G Smith

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

SACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 099 LOAD start date: 09Oct04 Times (24hrs): Start 1342 End 1411

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: MUD

Weather conditions: Overcast, light Rain, 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: 5-7 ft Wind (speed & direction): 15-20 ELY

AIR TEMP: 74 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≅ 79 °C (F) Bottom ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Misc Debris, mud, clay, large piece of concrete.

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Sharon L. Small Observer firm: REMSA, Inc.

Observer signature: Sharon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780-4C-0045 **Maintenance** X **/New Work** ____ **PROJECT start date** 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening **DREDGE NAME:** Stuyvesant

DREDGE FIRM: Jean Stuyvesant, LLC

LOAD #: 100 **LOAD start date:** 09 Oct 04 **Times (24hrs): Start** 1916 **End** 1947

Condition of screening: **Port** Good **Starboard** Good **Overflow** n/A

Number of dragheads in use: 2 **Type of dragheads used:** STD/Chain **Size of dragheads:** 15' X 16'

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

Type of material dredged: MUD

Weather conditions: Overcast, light 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: 5-6 ft **Wind (speed & direction):** 15-20 E'LY

AIR TEMP: 77 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F **Column (mid-depth)** ≈ 79 °C/(F) **Bottom** ____ °C/°F

SCREEN TYPE

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

AFT only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Misc Debris, large wood mud & clay

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ **NO** X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 1 flat fish on catwalk in hopper

Number observers used/24hrs: 1 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer Name: Sharon L. Small **Observer firm:** REMSA, Inc

Observer signature: Sharon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912PB-04-C-0047 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 101 LOAD start date: 10Oct04 Times (24hrs): Start 0046 End 0118

Condition of screening: Port Good Starboard Good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD

Weather conditions: Overcast, light 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: 5-7 ft Wind (speed & direction): 15-20 E'ly

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

WATER TEMP: Surface ____ °C/(F) Column (mid-depth) 27 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Muck Debris, mud, clay

Est only

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Shanon L. Small Observer firm: REMSA, Inc.

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL
CONTRACT #: W912780-4C-0045 **Maintenance** X **/New Work** ____ **PROJECT start date** 07Sept04
PROJECT NAME: Mobile Bay Channel Deepening **DREDGE NAME:** Stuyvesant
DREDGE FIRM: Jean Stuyvesant, LLC
LOAD #: 102 **LOAD start date:** 10Oct04 **Times (24hrs): Start** 0635 **End** 0705

Condition of screening: **Port** good **Starboard** good **Overflow** N/A

Number of dragheads in use: 2 **Type of dragheads used:** STD/Chain **Size of dragheads:** 15' x 16'
Draghead deflector? YES X **NO** ____ **Condition of deflector:** good

Type of material dredged: MUD

Weather conditions: Overcast, light 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: 5-7 **ft** **Wind (speed & direction):** 25-35 E+LY

AIR TEMP: 73 **°C/(F)** °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface ____ **°C/(F)** **Column (mid-depth)** ≅ 71 **°C/(F)** **Bottom** ____ **°C/F**

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

Aft only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Misc Debris, MUD, clay

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ **NO** X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 1 flat fish, 1 jaw mullet on catwalk in hopper.

Number observers used/24hrs: 1 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)
Observer name: Shanon L. Small **Observer firm:** REMSA, Inc
Observer signature: Shannon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780-4C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 103 LOAD start date: 10Oct04 Times (24hrs): Start 1222 End 1253

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15' X 16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: MUD

Weather conditions: Overcast

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

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

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

Waves: 5-7 ft Wind (speed & direction): 25-30 E'ly

AIR TEMP: 71 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≅ 70 °C/(°F) Bottom ____ °C/°F

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

AFT ONLY

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Mud Debris

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Shannon L. Small Observer firm: REMSA, Inc

Observer signature: Shannon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780-4C-0045 **Maintenance** X **/New Work** ____ **PROJECT start date** 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening **DREDGE NAME:** Stuyvesant

DREDGE FIRM: Jean Stuyvesant, LLC

LOAD #: 104 **LOAD start date:** 10Oct04 **Times (24hrs): Start** 1746 **End** 1823

Condition of screening: **Port** Good **Starboard** Good **Overflow** N/A

Number of dragheads in use: 2 **Type of dragheads used:** STD/Chain **Size of dragheads:** 15' X 16'

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

Type of material dredged: MUD

Weather conditions: Overcast, windy, light 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: 5-7 **ft** **Wind (speed & direction):** 25-30 E'LY

AIR TEMP: 74 **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ **°C/°F** **Column (mid-depth)** 77 **°C/°F** **Bottom** ____ **°C/°F**

SCREEN TYPE

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

Aft only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Misc Debris

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ **NO** X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Feel like fish on catwalk in Hopper.

Number observers used/24hrs: 1 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer name: Shannon L. Small **Observer firm:** REMSA, Inc

Observer signature: Shannon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0045 **Maintenance** X **/New Work** ____ **PROJECT start date** 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening **DREDGE NAME:** Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 105 **LOAD start date:** 10Oct04 **Times (24hrs): Start** 2302 **End** 2355

Condition of screening: **Port** Good **Starboard** Good **Overflow** N/A

Number of dragheads in use: 2 **Type of dragheads used:** STD/Chain **Size of dragheads:** 15'X16'

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

Type of material dredged: MUD

Weather conditions: Overcast, 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: 5-7 **ft** **Wind (speed & direction):** 25-30 E Ly

AIR TEMP: 77 **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ **°C/°F** **Column (mid-depth)** ≅ 77 **°C (F)** **Bottom** ____ **°C/°F**

SCREEN TYPE

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

Aft only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: MWC Debris

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ **NO** X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Starboard drag deflector covered in clay. Fell off on catwalk into hopper

Number observers used/24hrs: 1 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer name: Shanon L. Small **Observer firm:** REMSA, Inc

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: J91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 109 LOAD start date: 11Oct04 Times (24hrs): Start 2123 End 2153

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: MUD

Weather conditions: Calm in Bay

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 E'LY

AIR TEMP: 77 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 77 °C/(F) Bottom ____ °C/°F

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

AFA only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Mud Debris

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 3 eel like fish on cat walk in Hopper

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Shanon L. Small Observer firm: REMSA, INC.

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ FROJECT start date 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 108 LOAD start date: 11Oct04 Times (24hrs): Start 1619 End 1650

Condition of screening: Port Good Starboard Good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD

Weather conditions: Partly Cloudy

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

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

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 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 SELY

AIR TEMP: 84 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 77 °C/(F) Bottom ____ °C/(F)

SCREEN TYPE

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

AFT only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Mussel Debris

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Shanon L. Small Observer firm: DEMSA, Inc.

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 107 LOAD start date: 11Oct04 Times (24hrs): Start 1100 End 1132

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: MUD

Weather conditions: ~~Overcast~~, partly Cloudy, light 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: 3-4 ft Wind (speed & direction): 10-15 S'ly

AIR TEMP: 82 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≥77 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

AFS only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Misc Debris

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 1 eel fish, 1 flat fish, 1 catfish all on catwalk in hopper

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Shanon L. Small Observer firm: REMSA, INC.

Observer signature: Shanon L Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780-4C-0045 **Maintenance** X **/New Work** ____ **PROJECT start date** 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening **DREDGE NAME:** Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 106 **LOAD start date:** 11Oct04 **Times (24hrs): Start** 0512 **End** 0550

Condition of screening: **Port** Good **Starboard** Good **Overflow** N/A

Number of dragheads in use: 2 **Type of dragheads used:** STD/Chain **Size of dragheads:** 15'x16'

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

Type of material dredged: MUD

Weather conditions: light rain, 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: 4-6 ft **Wind (speed & direction):** 10-15 E/4

AIR TEMP: 78 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F **Column (mid-depth)** ≅ 77 °C/(°F) **Bottom** ____ °C/°F

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

Aft Only

PORT SCREEN CONTENTS: 2 Blue crabs, MISC Debris

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** 0
- **Shark (any species)** 0
- **Horseshoe crab** 0
- **Blue crab** 2

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ **NO** X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 1 flat fish on catwalk in hopper

Number observers used/24hrs: 1 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer Name: Shanon L. Small **Observer firm:** REMSA, Inc

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 110 LOAD start date: 12Oct04 Times (24hrs): Start 0252 End 0324

Condition of screening: Port Good Starboard Good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Good

Type of material dredged: MUD

Weather conditions: Partly cloudy, good vis.

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): 5-10 W

AIR TEMP: 74 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≈ 76 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

AFT only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: MUD Debris, a trail of material

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Shanon L. Small Observer firm: DEMSA, Inc.

Observer signature: Shanon Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date: 07 Sept 04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 111 LOAD start date: 12 Oct 04 Times (24hrs): Start 0814 End 0844

Condition of screening: Port Good Starboard Good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD

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: 1-2 ft Wind (speed & direction): 5-10 SSW

AIR TEMP: 74 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) ≅ 76 °C/(F) Bottom ___ °C/°F

SCREEN TYPE

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

AFT only

PORT SCREEN CONTENTS: ___

STARBOARD SCREEN CONTENTS: Muse Debris

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Sharon L. Small Observer firm: REMSA, INC.

Observer signature: Sharon L Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept 04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 112 LOAD start date: 12Oct04 Times (24hrs): Start 1340 End 1414

Condition of screening: Port Good Starboard Good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD

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: 2-3 ft Wind (speed & direction): 5-10 SSW

AIR TEMP: 75 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≅76 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

A.F. only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Misc Debris, Mud

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 1 small on catwalk in hopper

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 1 eel fish, 1 flat fish, 1 cutlass fish (jaw) on catwalk in hopper

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Sharon L. Small Observer firm: REMSA, INC.

Observer signature: Sharon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 113 LOAD start date: 12Oct04 Times (24hrs): Start 1908 End 1941

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: MUD

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: 2-3 ft Wind (speed & direction): 5-10 SW

AIR TEMP: 75 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) ≈76 °C/(°F) Bottom ___ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS:

STARBOARD SCREEN CONTENTS: Muse Debris

AFT only

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Superflush after dump. Clog in chain of port deflector

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Shannon L. Small Observer firm: REMSA, INC.

Observer signature: Shannon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date: 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 114 LOAD start date: 13Oct04 Times (24hrs): Start 0036 End 0111

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: MUD

Weather conditions: Clear, calm, cool

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 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	

Waves: 2-3 ft Wind (speed & direction): 5-10 NW'ly

AIR TEMP: 67 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≅76 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

Aft only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Misc Debris

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer name: Shannon L. Small Observer firm: DEMSA, Inc.

Observer signature: Shannon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-64-C-0045 Maintenance X /New Work ____ FROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 115 LOAD start date: 13 Oct 04 Times (24hrs): Start 0618 End 0652

Condition of screening: Port Good Starboard Good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Good

Type of material dredged: MUD

Weather conditions: Clear, sunny, cool.

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 NW'ly

AIR TEMP: 65 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≅ 76 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Misc. Debris

AFT only

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's name: Shanon L. Small Observer firm: DEMSH, INC.

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: J91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date: 07 Sept 04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 116 LOAD start date: 13 Oct 04 Times (24hrs): Start 1147 End 1213

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: MUD

Weather conditions: clear, sunny, cool

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 NWly

AIR TEMP: 71 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 76 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

AFT Only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Misc Debris, mud

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Assignment #6 KP855+00 915
Feel like fish found on catwalk in hopper

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Shannon L. Small Observer firm: DEMSA, INC.

Observer signature: Shannon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W91278-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay/Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 117 LOAD start date: 13Oct04 Times (24hrs): Start 1707 End 1733

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: MUD

Weather conditions: Clear, sunny, cool

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 knots/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 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 NW'ly

AIR TEMP: 75 °C/F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≈76 °C/F Bottom ____ °C/°F

SCREEN TYPE

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

Aft only

PORT SCREEN CONTENTS: Misc Debris, mud

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Clay in starboard deflector chain

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer name: Sharon L. Small Observer firm: REMSA, INC.

Observer signature: Sharon L Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780-4C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 118 LOAD start date: 13Oct04 Times (24hrs): Start 2216 End 2240

Condition of screening: Port Good Starboard Good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD

Weather conditions: Clear, cool

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): 10-15 NW'ly

AIR TEMP: 74 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≈70 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

Aft only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Misc Debris, MUD, Clay

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Shanon L. Small Observer firm: REMSA, Inc

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912BG04C0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Sean Stuyvesant, LLC

LOAD #: 119 LOAD start date: 14Oct04 Times (24hrs): Start 0352 End 0413

Condition of screening: Port Good Starboard Good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15' X 16'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD

Weather conditions: Clear

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

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

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 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 NW'ly

AIR TEMP: 70 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 76 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

AFT only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Misc Debris, mud, clay

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 1 red fish on catwalk in Hopper

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Sharon L. Small Observer firm: REMSA, Inc

Observer signature: Sharon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Jean Stuyvesant, LLC

LOAD #: 120 LOAD start date: 14Oct04 Times (24hrs): Start 0928 End 0952

Condition of screening: Port Good Starboard Good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15' x 16'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD

Weather conditions: Overcast, 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): 10-15 N

AIR TEMP: 74 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) ≈ 76 °C/(°F) Bottom ___ °C/°F

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

PORT SCREEN CONTENTS:

AFT only

STARBOARD SCREEN CONTENTS: Misc Debris MUD, Clay

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 2 flat fish (jun. flounder) on catwalk in hopper

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Shanon L. Small Observer firm: REMSA, INC

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912PB04C0045 **Maintenance** X **/New Work** ____ **PROJECT start date** 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening **DREDGE NAME:** Stuyvesant

DREDGE FIRM: Dean Stuyvesant, LLC

LOAD #: 121 **LOAD start date:** 14Oct04 **Times (24hrs): Start** 1439 **End** 1502

Condition of screening: **Port** good **Starboard** good **Overflow** N/A

Number of dragheads in use: 2 **Type of dragheads used:** STD/Chain **Size of dragheads:** 15' X 16'

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

Type of material dredged: MUD

Weather conditions: Light rain, 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):** 10-15 NW'ly

AIR TEMP: 72 **°C/(F)** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ **°C/°F** **Column (mid-depth)** ≈ 76 **°C/(F)** **Bottom** ____ **°C/°F**

SCREEN TYPE

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

AFT ONLY

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: misc Debris, Mud, clay

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** 0
- **Shark (any species)** 0
- **Horseshoe crab** 0
- **Blue crab** 1 small on catwalk in hopper

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ **NO** X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 3 eel like fish on catwalk in hopper

Number observers used/24hrs: 1 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer name: Shannon L. Small **Observer firm:** REMSA, Inc

Observer signature: Shannon L Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127B04C0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Dean Stuyvesant, LLC

LOAD #: 122 LOAD start date: 14 Oct 04 Times (24hrs): Start 2035 End 2115

Condition of screening: Port Good Starboard Good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15' x 16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: MUD

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: 2-3 ft Wind (speed & direction): 10-15 NW'LY

AIR TEMP: 105 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) ≈ 76 °C/(°F) Bottom ___ °C/°F

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

Aft only

PORT SCREEN CONTENTS: ___

STARBOARD SCREEN CONTENTS: Misc Debris, MUD, clay

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ___

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 1 flat fish (juv. flounder) on catwalk w/ hopper

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Shanon L. Small Observer firm: REMSA, INC

Observer signature ___

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 **Maintenance** X **/New Work** ____ **PROJECT start date** 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening **DREDGE NAME:** Stuyvesant

DREDGE FIRM: Dean Stuyvesant, LLC

LOAD #: 123 **LOAD start date:** 15Oct04 **Times (24hrs):** **Start** 0200 **End** 0257

Condition of screening: **Port** Good **Starboard** Good **Overflow** n/A

Number of dragheads in use: 2 **Type of dragheads used:** STD/Chain **Size of dragheads:** 15' x 16'

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

Type of material dredged: MUD

Weather conditions: partly cloudy, cool

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 nwly

AIR TEMP: 61 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F **Column (mid-depth)** 76 °C/°F **Bottom** ____ °C/°F

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

AFT only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Misc Debris, MUD

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: **YES** ____ **NO** X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

Number observers used/24hrs: 1 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer name: Shanon Small **Observer firm:** REMSA, Inc

Observer signature: Shanon L Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912380-04-C-0045 **Maintenance** X **/New Work** ____ **PROJECT start date** 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening **DREDGE NAME:** Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 124 **LOAD start date:** 15Oct04 **Times (24hrs): Start** 0727 **End** 0815

Condition of screening: **Port** good **Starboard** good **Overflow** N/A

Number of dragheads in use: 2 **Type of dragheads used:** STD/Chain **Size of dragheads:** 15'x16'

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

Type of material dredged: MUD

Weather conditions: Clear, cool

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 NW'ly

AIR TEMP: 65 **°C/°F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ **°C/°F Column (mid-depth)** ≅ 76 **°C/°F Bottom** ____ **°C/°F**

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

AFT only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Misc Debris, MUD

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ **NO** X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

Number observers used/24hrs: 1 **% Monitoring/24 hrs:** None 25% 50% 75% 100%

Observer name: Shannon L. Small **Observer firm:** REMSA, Inc

Observer signature: Shannon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 **Maintenance** X **/New Work** ____ **PROJECT start date** 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening **DREDGE NAME:** Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 126 **LOAD start date:** 15oct04 **Times (24hrs): Start** 1914 **End** 1950

Condition of screening: Port Good **Starboard** Good **Overflow** N/A

Number of dragheads in use: 2 **Type of dragheads used:** STD/Chain **Size of dragheads:** 15' X 16'

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

Type of material dredged: MUD

Weather conditions: Clear, cool

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):** 5-10 NW'ly

AIR TEMP: 68 **°C (°F)** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ **°C / °F Column (mid-depth)** ≈ 76 **°C (°F) Bottom** ____ **°C / °F**

SCREEN TYPE

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

AFT only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Misc Debris mud

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ **NO** X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: long flush cleared basket screens well. all material suitable and inspected.

Number observers used/24hrs: 1 **% Monitoring/24 hrs:** None 25% 50% 75% (100%)

Observer's name: Shanon G. Small **Observer firm:** REMSA, Inc

Observer signature Shanon G. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile AL
CONTRACT #: W912 7804C0015 Maintenance X /New Work ____ PROJECT start date 07Sept04
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant
DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 127 LOAD start date: 16Oct04 Times (24hrs): Start 0010 End 0123

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'
Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: MUD

Weather conditions: Clear, cool

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): 5-10 N'LY

AIR TEMP: 70 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≅76 °C/(°F) Bottom ____ °C/°F

SCREEN TYPE

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

Aft Only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Muse Debris, mud & clay (Thick)

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: baskets, screens knee deep in oyster shells and clay. Request extra flush next load

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)
Observer's name: Sharon L. Small Observer firm: RENSA, INC
Observer signature: Sharon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912J804C0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant, LLC

LOAD #: 128 LOAD start date: 16Oct04 Times (24hrs): Start 0616 End 0637

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

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: 1-2 ft Wind (speed & direction): 5-10 N'ly

AIR TEMP: 70 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 76 °C/(°F) Bottom ___ °C/°F

SCREEN TYPE

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

AFT only

PORT SCREEN CONTENTS: ___

STARBOARD SCREEN CONTENTS: Misc Debris, MUD & Clay (thick)

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Screen baskets full of mud & clay knee Deep longer flush required next load

Number observers used/24hrs: 1 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Shanon L. Small Observer firm: REMSA, Inc

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0045 **Maintenance** X **/New Work** ____ **PROJECT start date** 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening, Bayou Casotte Channel, MS **DREDGE NAME:** Stuyvesant

DREDGE FIRM: Jean De Nul Stuyvesant, LLC

LOAD #: 129 **LOAD start date:** 11 Oct 04 **Times (24hrs): Start** 1310 **End** 1330

Condition of screening: **Port** Good **Starboard** Good **Overflow** N/A

Number of dragheads in use: 2 **Type of dragheads used:** STD/chain **Size of dragheads:** 15'x16'

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

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: 1-2 ft **Wind (speed & direction):** 5-10 S

AIR TEMP: 80 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F **Column (mid-depth)** ≅ 70 °C/(F) **Bottom** ____ °C/°F

SCREEN TYPE

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

Aft only

PORT SCREEN CONTENTS: Mud in baskets cover Debris

Misc. Debris, MUD

STARBOARD SCREEN CONTENTS:

(Jellyfish, flat fish on catwalk in hopper)

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ **NO** X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: PASCAGOULA, MS Assignment #7 kp 96+00 – 00+00 Both sides. Bayou Casotte channel

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

Observer name: Shanon L. Small **Observer firm:** DEMSA, Inc

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 **Maintenance** X **/New Work** ____ **PROJECT start date** 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening Bayou Casotte Channel, MS **DREDGE NAME:** Stuyvesant

DREDGE FIRM: Tech. Stuyvesant, LLC

LOAD #: 130 **LOAD start date:** 16Oct04 **Times (24hrs): Start** 1625 **End** 1653

Condition of screening: **Port** good **Starboard** good **Overflow** n/A

Number of dragheads in use: 2 **Type of dragheads used:** STD chain **Size of dragheads:** 15'x16'

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

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: 1-2 ft **Wind (speed & direction):** 5-10 S

AIR TEMP: 81 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F **Column (mid-depth)** ≅ 70 °C/(F) **Bottom** ____ °C/°F

SCREEN TYPE

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

A Fit only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Misc Debris, mud

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ **NO** X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer name: Shanon L. Small **Observer firm:** DEMSA, Inc

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Ray channel Deepening Bayou Casotte channel, MS DREDGE NAME: Stuyvesant

DREDGE FIRM: Tech Stuyvesant, LLC

LOAD #: 131 LOAD start date: 16Oct04 Times (24hrs): Start 1936 End 2009

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: MUD

Weather conditions: Clear evening

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): 2 knots

AIR TEMP: 75 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface — °C/°F Column (mid-depth) ≅ 70 °C/(F) Bottom — °C/°F

SCREEN TYPE

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

AFT only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Mud - debris same as previous loads.

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab ____

Blue crab ____

Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer name: GWENDOLYN OBERHOLTZER Observer firm: DEMSA, INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 **Maintenance** X **/New Work** ____ **PROJECT start date** 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening Bayou Casotte Channel, MS **DREDGE NAME:** Stuyvesant

DREDGE FIRM: Jean De Nul Stuyvesant, LLC

LOAD #: 132 **LOAD start date:** 16 Oct 04 **Times (24hrs):** Start 2256 End 2328

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 **Type of dragheads used:** STD/chain **Size of dragheads:** 15'x16'

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

Type of material dredged: Mud

Weather conditions: Clear evening w/ mild 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: 1/-2 ft **Wind (speed & direction):** 6 kts-NW

AIR TEMP: 75.2 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ~70 °C/(°F) Bottom ____ °C/°F

SCREEN TYPE

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

AFT ONLY

PORT SCREEN CONTENTS: 1 Atlantic stingray

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer's name: GWENDOLYN OBERHOLTZER **Observer firm:** DEMSA, Inc

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Ray Channel Deepening Bayou Casotte Channel, MS DREDGE NAME: Stuyvesant

DREDGE FIRM: Great Stuyvesant, LLC

LOAD #: 133 LOAD start date: 17 OCT 04 Times (24hrs): Start 0220 End 0250

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Mud

Weather conditions: Clear evening w/ mild 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: ~1-2 ft Wind (speed & direction): 6 knots - NW

AIR TEMP: 74.8 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) ~70 °C/°F Bottom ___ °C/°F

SCREEN TYPE

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

AFT only

PORT SCREEN CONTENTS: ___

STARBOARD SCREEN CONTENTS: Misc Debris

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Screens cleaned with Debris. Bucket Dump and Superflush requested for Daylight hours.

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

Observer name: Shanon L. Small Observer firm: DEMSA, Inc

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening Bayou Casotte Channel, MS DREDGE NAME: Stuyvesant

DREDGE FIRM: Jean De Nul Stuyvesant, LLC

LOAD #: 134 LOAD start date: 17Oct04 Times (24hrs): Start 0534 End 0607

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: mud

Weather conditions: Clear

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

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

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2) = 4- 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 WNW

AIR TEMP: 74 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≅70 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

AFF mk

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Misc Debris, grass, mud 1 catfish

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Baskets opened Debris removed by hand to help prevent clogging

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

Observer name: Sharon L. Small (24-12p) Observer firm: DEMSA, Inc

Observer signature: Sharon L Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Bayou Casotte Channel, MS DREDGE FIRM: Jan. Stuyvesant, LLC

LOAD #: 135 LOAD start date: 17Oct04 Times (24hrs): Start 0851 End 0921

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD chain Size of dragheads: 15'x16'

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

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: 1-2 ft Wind (speed & direction): 5-10 NW

AIR TEMP: 76 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≅ 71 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

Aft only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Misc. Debris

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer name: Sharon L. Small (12p-12p) Observer firm: DEMSA, Inc.

Observer signature: Sharon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Boyou Casotte Channel, MS DREDGE FIRM: Jean Stuyvesant, LL

LOAD #: 136 LOAD start date: 17 Oct 04 Times (24hrs): Start 1159 End 1233

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

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: 1-2 ft Wind (speed & direction): 5-10 NW

AIR TEMP: 80 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface — °C/°F Column (mid-depth) ≈70 °C/°F Bottom — °C/°F

SCREEN TYPE

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

AFT ONLY

PORT SCREEN CONTENTS: Wood, wire, netting, large clay balls

STARBOARD SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

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

Observer's name: GWEN OBERHOLTZER (1200-2400) Observer firm: DEMSA, INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

BOYOU Casotte Channel, MS DREDGE FIRM: Jean Stuyvesant, LL

LOAD #: 137 LOAD start date: 17 Oct 04 Times (24hrs): Start 1519 End 1545

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Mud, clay

Weather conditions: Sunny, ~5% cloudcover

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): 5-10 knots - NW

AIR TEMP: 76.6 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 70 °C/°F Bottom ___ °C/°F

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

AFT ONLY

PORT SCREEN CONTENTS: Same contents as previous load + 1 large horseshoe crab. Also ~5 eels (unknown spp.) ~1 ft length, ~7 catfish (unknown spp.), all ~4 in. length.

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab 1

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer's name: GWEN [illegible] (1200-2400) Observer firm: DEMSA, INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER LOG

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Ray Channel Deepening DREDGE NAME: Stuyvesant

Bayou Casotte Channel, MS DREDGE FIRM: Jan. Stuyvesant, LLC

LOAD #: 138 LOAD start date: 17Oct04 Times (24hrs): Start 1828 End 1858

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 15'x16'

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

Type of material dredged: Mud, clay

Weather conditions: Clear evening w/ mild 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: 1-2 ft Wind (speed & direction): 10 knots out of N

AIR TEMP: 76.6 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 70 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

AFT ONLY

PORT SCREEN CONTENTS: Same debris as in previous loads.

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer name: Gwen Oberholtzer Observer firm: DEMSA, Inc

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Bayou Casotte Channel, MS DREDGE FIRM: Great Stuyvesant, LLC

LOAD #: 140 LOAD start date: 18Oct04 Times (24hrs): Start 0115 End 0145

Condition of screening: Port Good Starboard Good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD

Weather conditions: overcast/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 SE'ly

AIR TEMP: 77 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≅ 70 °C/(°F) Bottom ____ °C/°F

SCREEN TYPE

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

AFT only

PORT SCREEN CONTENTS: Misc. Debris as per previous loads

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species)

Horseshoe crab

Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer name: Sharon L. Small Observer firm: DEMSA, Inc

Observer signature: Sharon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07/08/04

PROJECT NAME: Mobile Ray Channel Deepening DREDGE NAME: Stuyvesant

Bayou Casotte Channel, MS DREDGE FIRM: Great Stuyvesant, LLC

LOAD #: 141 LOAD start date: 18/07/04 Times (24hrs): Start 0429 End 0504

Condition of screening: Port Good Starboard Good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: MUD

Weather conditions: Partly cloudy

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

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

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	(4) = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 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'ly

AIR TEMP: 76 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ≅ 70 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

AFT Only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: Misc Debris

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 3 eelfish on catwalk in hopper & 1 catfish

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

Observer name: Shanon L. Small Observer firm: DEMSA, Inc

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Oct04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Bayou Casotte Channel, MS DREDGE FIRM: Jan. Stuyvesant, LLC

LOAD #: 142 LOAD start date: 18Oct04 Times (24hrs): Start 0746 End 0844

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: Good - Repairs made to chain of starboard

Type of material dredged: MUD

Weather conditions: Overcast, light choppy 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: 1-2 ft Wind (speed & direction): 15-20 SSE

AIR TEMP: 76 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) ≅ 70 °C/(F) Bottom ___ °C/°F

SCREEN TYPE

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

AFT only

PORT SCREEN CONTENTS: Misc. debris, clay

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 1 catfish, 1 cutlass, 3 eelfish all on catwalk in hopper. Repairs make to starboard chain on deflector

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

Observer name: Shanon L. Small Observer firm: DEMSA, Inc

Observer signature: Shanon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

BOYOU Casotte Channel, MS DREDGE FIRM: Regan Stuyvesant, LL

LOAD #: 143 LOAD start date: 18Oct04 Times (24hrs): Start 1142 End 1217

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: ____

Type of material dredged: MUD, clay

Weather conditions: Cloudy / 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~~ 1-2 ft Wind (speed & direction): 15-20 SSE

AIR TEMP: 79 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 70 °C/°F Bottom ___ °C/°F

SCREEN TYPE

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

AFT only

PORT SCREEN CONTENTS: Miscellaneous debris consistent w/ previous loads.

1 crab → poss spider crab [4 Hardhead catfish; 1 cusk eel (unkn. spp.); 1 Speckled worm eel] On hopper catwalk

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer's name: GUEN UBERHOLTZER Observer firm: DEMSA, INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

BOYOU Casotte Channel, MS DREDGE FIRM: Fegan Stuyvesant, LLC

LOAD #: 144 LOAD start date: 18 OCT 04 Times (24hrs): Start 1505 End 1540

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Mud, clay

Weather conditions: Overcast day w/ ~90% cloudcover

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-10-15 knots

AIR TEMP: 81.3 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) ~70 °C/(°F) Bottom ___ °C/°F

SCREEN TYPE

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

AFT ONLY

PORT SCREEN CONTENTS: Same debris as on previous loads.

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Noted crossbar breakage in screening basket starboard side creating a hole larger than 4x4. Notified Captain. Also pass damage to crossbar on starboard/deflector - but not sure of initial construction. Crew checking for repairs if nec.

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

Observer's name: GWEN OBERHOLTZER Observer firm: DEMSA, INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07SEP04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Bayou Casotte Channel, MS DREDGE FIRM: Jean De Nul, LLC

LOAD #: 145 LOAD start date: 18OCT04 Times (24hrs): Start 1937 End 2019

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: Mud; clay

Weather conditions: Slightly overcast evening - ~ 40% cloud cover

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): S-15-20 knots

AIR TEMP: 77.1 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 70 °C/(°F) Bottom ___ °C/°F

SCREEN TYPE

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

AFT BASKET ONLY

PORT SCREEN CONTENTS: 1 horseshoe crab

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 1

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ~10 hardhead catfish, 3 gobies (unknown spp.) & 1 speckled worm eel on hopper catwalk.

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

Observer name: GWEN OBERHOLTZER Observer firm: DEMSA, Inc

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07SEPT04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Bayou Casotte Channel, MS DREDGE FIRM: Jan Stuyvesant, LLC

LOAD #: 146 LOAD start date: 18 OCT 04 Times (24hrs): Start 2251 End 2328

Condition of screening: Port Good Starboard Good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD chain Size of dragheads: 15' x 16'

Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: Mud, clay

Weather conditions: Slightly cloudy evening w/ increasing 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 ft Wind (speed & direction): 15-20 S

AIR TEMP: 78.2 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface — °C/°F Column (mid-depth) 70 °C/°F Bottom — °C/°F

SCREEN TYPE

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

AFT ONLY

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: misc debris, 1 clearnose skate

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: 1 eelfish, 5 catfish on catwalk in hopper

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

Observer name: Sharon L. Small (12A-12) Observer firm: DEMSA, Inc

Observer signature: Sharon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07Sep04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

Bayou Casotte Channel, MS DREDGE FIRM: Great Stuyvesant, LLC

LOAD #: 147 LOAD start date: 19 Oct 04 Times (24hrs): Start 0153 End 0233

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: MUD

Weather conditions: partly cloudy

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

Beaufort Sea 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: 2-3 ft Wind (speed & direction): 15-20 S

AIR TEMP: 78 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) ≅70 °C/°F Bottom ___ °C/°F

SCREEN TYPE

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

AFT

PORT SCREEN CONTENTS: Mud Debris

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species)

Horseshoe crab

Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 1 eel fish, 1 catfish on a truck in hopper

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

Observer name: Shannon L. Small (12A-12A) Observer firm: DEMSA, Inc

Observer signature: Shannon L. Small

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

BOYOU Casotte Channel, MS DREDGE FIRM: Fegan, Stuyvesant, LLC

LOAD #: 149 LOAD start date: 19 OCT 04 Times (24hrs): Start 2050 End 2117

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Mud, clay

Weather conditions: Clear evening

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 - S

AIR TEMP: 78.4 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 70 °C/°F Bottom ___ °C/°F

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

Aft Screen Only

PORT SCREEN CONTENTS: Debris only - consistent w/ previous loads.

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab 1*

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 1 blue crab (~5 inches) on hopper catwalk

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

Observer's name: Gwen Oberholtzer Observer firm: DEMSA, Inc

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Jean Stuyvesant, LLC

LOAD #: 150 LOAD start date: 10/20/04 Times (24hrs): Start 0000 End 0038

Condition of screening: ~~Port~~ Good ~~Starboard~~ ____ Overflow n/A

Gap in starboard edge of screen

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: ____

Type of material dredged: Silt, clay

Weather conditions: Clear [redacted] to 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 kt DW

AIR TEMP: 77 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 2/0 °C/(°F) Bottom ___ °C/°F

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

___ Overflow screening: None 25% 50% 75% 100%

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

Aft Screen Only

PORT SCREEN CONTENTS: Dasyatis Sabina (Atlantic stingray), ~~[illegible]~~, unknown muscle shell, Arius felis (Hardhead catfish), spider crab, Pisces (bucklegloss, stampedellus, menidia, trawl), clay,

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: 2 100 % Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Nathaniel Goddard Observer firm: DEMSA, Inc

Observer signature: Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sep04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Jan. Stuyvesant, LLC

LOAD #: 151 LOAD start date: 10/20/04 Times (24hrs): Start 0315 End 0332

Condition of screening: Port Good Starboard ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: ____

Type of material dredged: Silt & clay

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): 10 SW

AIR TEMP: 77 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface — °C/°F Column (mid-depth) 70 °C/°F Bottom — °C/°F

SCREEN TYPE X

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

Aft Screen Only

PORT SCREEN CONTENTS: Ictalurus furcatus (blue catfish) debris Same as prior sets

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: 2 100% Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Nathaniel Goddard Observer firm: DEMSA, Inc

Observer signature: Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07/20/04

PROJECT NAME: Mobile Ray channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Jan. Stuyvesant, LLC

LOAD #: 152 LOAD start date: 10/20/04 Times (24hrs): Start 0618 End 0656

Condition of screening: Port Good Starboard ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

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

Type of material dredged: Silt clay

Weather conditions: Partly cloudy 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
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft
2 = 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: 1.5 ft Wind (speed & direction): 7 SW

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

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 26 °C/°F Bottom ____ °C/°F

SCREEN TYPE X

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

Aft Screen Only

PORT SCREEN CONTENTS: Arius felis (Hardhead catfish), Dasyatis sabina (Atlantic stingray), welkshells, clamshells, logs, debris, same as previous hauls

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: 2 100% Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Nathaniel Goddard Observer firm: DEMSA, Inc

Observer signature: Nathan Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07Sep04

PROJECT NAME: Mobile Ray Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Fagan, Stuyvesant, LLC

LOAD #: 153 LOAD start date: 10/20/04 Times (24hrs): Start 0925 End 1018

Condition of screening: ~~Port~~ Good ____ ~~Starboard~~ ____ Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: ____

Type of material dredged: Silt, clay

Weather conditions: 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: 1.5 ft Wind (speed & direction): 7 SW

AIR TEMP: 80 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 27.5 °C/°F Bottom ___ °C/°F

SCREEN TYPE

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

Aft Screen Only

PORT SCREEN CONTENTS: Arius felis, Trinectes maculatus, wood, debris, gobi spp.
(Hardhead catfish) (Hogchoker)

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 name: Nathaniel Gallagher Observer firm: DEMSA, Inc

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Ray Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Jean Stuyvesant, LLC

LOAD #: [redacted]154 LOAD start date: 10/20/04 Times (24hrs): Start 1244 End 1333

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Mud, clay

Weather conditions: Sunny, but hazy 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
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft
(2) = 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: 1-2 ft Wind (speed & direction): W 0-6 knots

AIR TEMP: 77 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 70 °C/°F Bottom ___ °C/°F

SCREEN TYPE X

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

Aft Screen Only

PORT SCREEN CONTENTS: 1 Atlantic stingray (Dasyatis sabina). Debris consistent w/ that in previous loads.

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Screening in starboard corner of aft basket repaired.

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

Observer name: Gary Nerhoutcock Observer firm: DEMSA, Inc

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07SEP04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Jan. Stuyvesant, LLC

LOAD #: 155 LOAD start date: 20 OCT 04 Times (24hrs): Start 1627 End 1658

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: Mud/Clay

Weather conditions: Sunny w/ Hazy 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): WSW @ 10-11 knots

AIR TEMP: 82.2 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 75 °C (F) Bottom ____ °C/°F

SCREEN TYPE

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

Aft Screen Only

PORT SCREEN CONTENTS: No biological specimens noted, but a large amount of unknown sort of brown algae.

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer name: Gwendolyn Oberholtzer Observer firm: DEMSA, Inc

Observer signature: Gwendolyn Oberholtzer

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 Sep 04

PROJECT NAME: Mobile Ray Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Tech. Stuyvesant, LLC

LOAD #: 156 LOAD start date: 20 OCT 04 Times (24hrs): Start 1910 End 2003

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15' x 16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: Mud/Clay

Weather conditions: Clear evening w/ mild → moderate 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: 1-2 ft Wind (speed & direction): WSW @ ~7-8 knots

AIR TEMP: 79.5 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 75 °C (F) Bottom ___ °C/°F

SCREEN TYPE

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

Aft Screen Only

PORT SCREEN CONTENTS: Same debris as seen in previous loads

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species)

Horseshoe crab

Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer name: GWENDOLYN OBERHOLTZER Observer firm: DEMSA, INC

Observer signature: Gwendolyn Oberholtzer

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07 SEP 04

PROJECT NAME: Mobile Ray Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Jesco Stuyvesant, LLC

LOAD #: 15% LOAD start date: 20 OCT 04 Times (24hrs): Start 2232 End 2320

Condition of screening: Port Excellent Starboard ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

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

Type of material dredged: Mud/Clay

Weather conditions: Clear evening w/ mild-moderate 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: 1-2 ft Wind (speed & direction): 15 knots - W

AIR TEMP: 78.8 °C(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 75 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

Aft Screen Only

PORT SCREEN CONTENTS: Hardhead catfish (Arius felis), welk shells, clam shells, clay, debris

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab ____

Blue crab ____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer name: Nathaniel Goddard Observer firm: DEMSA, Inc

Observer signature: Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07Sep04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Jan. Stuyvesant, LLC

LOAD #: 158 LOAD start date: 21Oct04 Times (24hrs): Start 0140 End 134

Condition of screening: Port Excellent Starboard ____ Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

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

Type of material dredged: Silt, clay

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
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft
2 = 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: 1 ft Wind (speed & direction): SE/SSE

AIR TEMP: 77 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 75 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

Aft Screen Only

PORT SCREEN CONTENTS: (Arius felis) Hardhead catfish, debris

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab ____

Blue crab ____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO ✓

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer name: Nathaniel Galdaco Observer firm: DEMSA, Inc

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Ray Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Tran. Stuyvesant, LLC

LOAD #: 159 LOAD start date: 10/2/04 Times (24hrs): Start 0503 End 0559

Condition of screening: Port Excellent Starboard ____ Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

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

Type of material dredged: Silt, Clay

Weather conditions: Calm Cloudy, 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: 5 ft Wind (speed & direction): 5 Kts SE

AIR TEMP: 78 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

Aft Screen Only

PORT SCREEN CONTENTS: Gobionellus hastatus (sharptail goby), debris

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab ____

Blue crab ____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO Y

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer name: Nathaniel Goddard Observer firm: DEMSA, Inc

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Ray Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Jan Stuyvesant, LLC

LOAD #: 160 LOAD start date: 10/21/04 Times (24hrs): Start 0804 End 0904

Condition of screening: Port excellent Starboard ____ Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

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

Type of material dredged: Silt Clay

Weather conditions: Cloudy rainy

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): 75°

AIR TEMP: 28 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 25 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

Aft Screen Only

PORT SCREEN CONTENTS: Dolphin skull, muscle shells, debris

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab ____

Blue crab ____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: found the skull of a dolphin

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

Observer name: Nathaniel Goddard Observer firm: DEMSA, Inc

Observer signature: Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07SEPT04

PROJECT NAME: Mobile Ray Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Jan. Stuyvesant, LL

LOAD #: 161 LOAD start date: 21OCT04 Times (24hrs): Start 1130 End 1220

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Mud/silt/clay

Weather conditions: Overcast - ~90% cloudcover

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): S 2 ~7 knots

AIR TEMP: 77.5 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 75 °C/(°F) Bottom ___ °C/°F

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

Aft Screen Only

PORT SCREEN CONTENTS: 1 horseshoe crab
debris - wood, wire, netting, rope, large clay balls, various trash

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0
Shark (any species) 0
Horseshoe crab 1
Blue crab 1

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 1 small blue crab in bogger catwalk. Noted duplicate Load #'s 155 on 10-20 data. Changed paperwork accordingly.

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

Observer Name: Gwendolyn Oberholtzer Observer firm: DEMSA, Inc

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Fran Stuyvesant, LL

LOAD #: 162 LOAD start date: 21 OCT 04 Times (24hrs): Start 1536 End 1622

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: Mud/Silt/Clay

Weather conditions: Sunny w/ overcast 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: ~~[illegible]~~ 2 FT ft Wind (speed & direction): W @ 5-7 knots

AIR TEMP: 82.5 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 75 °C/(°F) Bottom ___ °C/°F

SCREEN TYPE

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

Aft Screen Only

PORT SCREEN CONTENTS: 1/0 Hardhead catfish - Arius felis On Catwalk
6 Hoby app.
3 pass Atlantic Croaker - Micropogonias undulatus

STARBOARD SCREEN CONTENTS: 1 Speckled Worm Eel - Myrophis punctatus
1 Large Whelk app. in Basket
1 pass Sand Drum - Umbrina coroides
1 Star Drum - Stellifer lanceolatus

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: GWENDOLYN OBERHOLTZER Observer firm: DEMSA, INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07SEPT04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: STUYVESANT

DREDGE FIRM: Jean Stuyvesant, LLC

LOAD #: 163 LOAD start date: 21OCT04 Times (24hrs): Start 1847 End 1930

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: Mud/silt/clay

Weather conditions: Overcast Overlooking

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): 3knots out of W

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

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 75 °C/(°F) Bottom ____ °C/°F

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

Aft Screen Only

PORT SCREEN CONTENTS: 1 Hardhead catfish (Arius felis)

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 name: GWENDOLYN OBERHOLTZER Observer firm: DEMSA, Inc

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Jan. Stuyvesant, LL

LOAD #: 164 LOAD start date: 21OCT04 Times (24hrs): Start 2251 End 2235

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Silt/Clay

Weather conditions: Clear evening

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): SSE - W

AIR TEMP: 78.2 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 75 °C/°F Bottom ___ °C/°F

SCREEN TYPE

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

Aft Screen Only

PORT SCREEN CONTENTS: 1 Horseshoe crab

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 1

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 2 Hardhead catfish, 1 Flatfish spp., 2 speckled worm eels

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

Observer name: Gwendolyn Oberholtzer Observer firm: DEMSA, Inc

Observer signature: Gwendolyn Oberholtzer

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07Sep04

PROJECT NAME: Mobile Ray channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Jan. Stuyvesant, LL

LOAD #: 165 LOAD start date: 22 OCT 04 Times (24hrs): Start 0100 End 0131

Condition of screening: ~~Port~~ Excellent ~~Starboard~~ _____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Excellent

Type of material dredged: Silt/clay

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
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft
2 = 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: 1 ft Wind (speed & direction): 6 Kts E

AIR TEMP: 78 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 75 °C/°F Bottom ___ °C/°F

SCREEN TYPE

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

Aft Screen Only

PORT SCREEN CONTENTS: 2 Hardhead catfish (Arius felis), speckled worm eel (Myrophis punctatus) shrimp, debris, spider crab

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species)

Horseshoe crab

Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer name: Nathaniel Goddard Observer firm: DEMSA, Inc

Observer signature: Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Jan. Stuyvesant, LLC

LOAD #: 166 LOAD start date: 22 oct 04 Times (24hrs): Start 0401 End 0449

Condition of screening: ~~Port~~ Excellent ~~Starboard~~ ____ Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

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

Type of material dredged: Silt, clay

Weather conditions: Clear sky, 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: 1 ft Wind (speed & direction): 6 W

AIR TEMP: 76 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 75 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

Aft Screen Only

PORT SCREEN CONTENTS: speckled worm eel (myrophis punctatus), 3 horseshoe crabs, Atlantic stingray (Dasyatis sabina), debris

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab 3

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer name: Nathaniel Godfrey Observer firm: DEMSA, INC

Observer signature: Nathaniel Godfrey

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sep04

PROJECT NAME: Mobile Ray Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Jean. Stuyvesant, LLC

LOAD #: 167 LOAD start date: 22Oct04 Times (24hrs): Start 0735 End 0824

Condition of screening: Port Excellent Starboard ____ Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

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

Type of material dredged: Silt, clay

Weather conditions: Clear, foggy

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

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

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

Waves: .5 ft Wind (speed & direction): N

AIR TEMP: 76 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 78 °C/°F Bottom ____ °C/°F

SCREEN TYPE X

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

Aft Screen Only

PORT SCREEN CONTENTS: 3 speckled worm eels (Myrophis punctatus) 2 Atlantic Stingray (Dasyatis sabina) debris (same as previous loads)

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 name: Nathaniel Goddard Observer firm: DEMSA, Inc

Observer signature: Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Regn. Stuyvesant, LL

LOAD #: 168 LOAD start date: 22 oct 04 Times (24hrs): Start 1055 End 1141

Condition of screening: ~~Port~~ good ~~Starboard~~ good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Silt, clay

Weather conditions: Clear sky

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): 5 kts SW

AIR TEMP: 78 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 75 °C/(°F) Bottom ___ °C/°F

SCREEN TYPE

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

Aft Screen Only

PORT SCREEN CONTENTS: 1 Atlantic Stingray (Dasyatis sabina)

STARBOARD SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 5 Speckled Worm eels (Myrophus punctatus), 1 Atlantic Cusker (Micropogonias undulatus) 1 Hogchoker (Trinectes maculatus). Basket filled w/ large amount of clay - unable to clear basket or be certain that entire basket is clear of sea turtles or viscera.

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

Observer's name: GWENDOLYN OBERHOLTZER Observer firm: DEMSA, INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07SEPT04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Jean Stuyvesant, LL

LOAD #: 169 LOAD start date: 22OCT04 Times (24hrs): Start 1406 End 1455

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: Silt/Clay

Weather conditions: Sunny; 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): ~5-6 Kts - E

AIR TEMP: 78.9 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 75 °C/(°F) Bottom ____ °C/°F

SCREEN TYPE

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

Aft Screen Only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: 2 Atlantic sturgeon (Dasyatis sabina)

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Opened + flushed bucket because it was becoming clogged w/clay.

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

Observer name: GWENDOLYN DOERHOLTZER Observer firm: DEMSA, INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Fegan Stuyvesant, LL

LOAD #: 170 LOAD start date: 22OCT04 Times (24hrs): Start 1720 End 1801

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: Mud/Silt/Clay

Weather conditions: Sunny, 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): ESE @ ~5 kts

AIR TEMP: 77.9 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 75 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

Aft Screen Only

PORT SCREEN CONTENTS: Clean of biological specimens. Debris consistent w/ previous logs.

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: Gwendolyn Oberholtzer Observer firm: REMSA, INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07Sep04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Jean Stuyvesant

LOAD #: 171 LOAD start date: 22 OCT 04 Times (24hrs): Start 2036 End 2129

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: Silt/clay

Weather conditions: Overcast evening.

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): ESE @ 7 kts.

AIR TEMP: 78 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 75 °C/(°F) Bottom ____ °C/°F

SCREEN TYPE

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

Aft Screen Only

PORT SCREEN CONTENTS: ____

STARBOARD SCREEN CONTENTS: 1 Spider Crab

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: 1 Speckled Worm Eel (Myrophis punctatus) on catwalk

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

Observer name: GWENDOLYN OBERHOLTZER Observer firm: REMSA, Inc

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Jan. Stuyvesant

LOAD #: 172 LOAD start date: 22Oct04 Times (24hrs): Start 2355 End 0041

Condition of screening: Port Excellent Starboard ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Excellent

Type of material dredged: ~~Clay~~ Silt Clay

Weather conditions: Clear sky

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 S

AIR TEMP: 78 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 75 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

Aft Screen Only

PORT SCREEN CONTENTS: 1 Horseshoe crab, debris (grass, clay, rope, sheet metal, wire, carpet, other trash)

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) ____

Horseshoe crab 1

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer name: Nathaniel Goddard Observer firm: REMSA, Inc

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Fran Stuyvesant

LOAD #: 173 LOAD start date: 23 Oct 04 Times (24hrs): Start 0344 End 0436

Condition of screening: ~~Port~~ Excellent ~~Starboard~~ ____ Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Excellent

Type of material dredged: Silt, Clay

Weather conditions: Clear, breezy

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): 16 Kts S

AIR TEMP: 78 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 75 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

Aft Screen Only

PORT SCREEN CONTENTS: 3 speckled wormeels (myrophis punctatus), blue crab, debris (same as prev.)

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab ____

Blue crab 1

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer's name: Nathaniel Goddard Observer firm: REMSA, Inc

Observer signature: Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Ray Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Jan Stuyvesant

LOAD #: 174 LOAD start date: 23 oct 04 Times (24hrs): Start 0648 End 0730

Condition of screening: ~~Port~~ Excellent ~~Starboard~~ ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

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

Type of material dredged: Silt & Clay

Weather conditions: Windy, clear sky

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): 1 BSE

AIR TEMP: 78 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 75 °C/°F Bottom ___ °C/°F

SCREEN TYPE X

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

Aft Screen Only

PORT SCREEN CONTENTS: Speckled worm eel (Myrophis punctatus) hog choker (Tonectes maculatus) horse shoe crab, debris

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) ____

Horseshoe crab 1

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer name: Nathaniel Goddard Observer firm: REMSA, Inc.

Observer signature: Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Fran Stuyvesant

LOAD #: 175 LOAD start date: 23 Oct 04 Times (24hrs): Start 0951 End 1034

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Clay/Mud

Weather conditions: Cloudy/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): SSE @ ~7 kts

AIR TEMP: 78 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface — °C/°F Column (mid-depth) 75 °C/°F Bottom — °C/°F

SCREEN TYPE

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

Aft Screen Only

PORT SCREEN CONTENTS: 18 hardhead catfish (Arius felis) 10 croakers, debris

STARBOARD SCREEN CONTENTS: ___

Estimate number entrained on this load for the following:

Sturgeon (any species) ___

Shark (any species) ___

Horseshoe crab ___

Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

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

Observer's name: Nathaniel Goddard Observer firm: REMSA, In

Observer signature: Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL
CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07Sept04
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant
DREDGE FIRM: Fegan Stuyvesant

LOAD #: 176 LOAD start date: 23 OCT 04 Times (24hrs): Start 1258 End 1342

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'
Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Silt/Clay

Weather conditions: Cloudy/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): SSE @ ~7 kts

AIR TEMP: 78.6 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface — °C/°F Column (mid-depth) 25 °C/°F Bottom — °C/°F

SCREEN TYPE

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

Aft Screen Only

PORT SCREEN CONTENTS: ~5 live whelk spp.

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Numerous hardhead catfish, goby spp, speckled worm eels, 1 blackedge cusk eel, 2 Tonguefish spp, jellyfish spp, & atlantic Croaker on hopper catwalk.

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

Observer's name: GWENDOLYN OBERHOLTZER Observer firm: REMSA, In
Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07Sep04

PROJECT NAME: Mobile Ray channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Jan. Stuyvesant

LOAD #: 177 LOAD start date: 23 OCT 04 Times (24hrs): Start 1620 End 1734

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Silt/Clay

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): SSE @ 10-15 kts

AIR TEMP: 78.6 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 75 °C/(F) Bottom ___ °C/°F

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

Aft Screen Only

PORT SCREEN CONTENTS: 1 Horseshoe Crab

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab 1

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Began dredging in Assignment # 9: 325+10 → 385+10 (between markers 7/8 + 11/12 Polaby) Bags completely filled w/clay & material. Not possible to determine if sea turtles were entrained in this load.

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

Observer name: GWENDOLYN OBERMULLER Observer firm: REMSA, Inc

Observer signature: Gwendolyn Oberm

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Regn. Stuyvesant

LOAD #: 178 LOAD start date: 23 OCT 04 Times (24hrs): Start 1917 End 2016

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Clay, plant material, trash

Weather conditions: Overcast evening

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): SSE @ 10-15 KTS

AIR TEMP: 77.3 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface — °C/°F Column (mid-depth) 25 °C/°F Bottom — °C/°F

SCREEN TYPE

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

Aft Screen Only

PORT SCREEN CONTENTS:

Debris/trash consistent w/ previous loads

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species)

Horseshoe crab

Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Basket filled with alot of clay + shell material. Not possible to monitor contents under clay.

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

Observer's name: GWENDOLYN OBERHOLTZER Observer firm: REMSA, Inc

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Regn. Stuyvesant

LOAD #: 179 LOAD start date: 23 OCT 04 Times (24hrs): Start 2137 End 2231

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Silt, clay, grass

Weather conditions: Overcast evening

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): SSE @ 10-15 KTS

AIR TEMP: 79.1 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 75 °C/°F Bottom ___ °C/°F

SCREEN TYPE

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

Aft Screen Only

PORT SCREEN CONTENTS: Large amount of grass (cordgrass?) clogging starboard side.

STARBOARD SCREEN CONTENTS: 1 Horseshoe Crab

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab 1

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer's name: GWENDOLYN OBERHOLZER Observer firm: REMSA, In

Observer signature: Gwendolyn Oberholzer

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07Sep04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Jan. Stuyvesant

LOAD #: 1801 LOAD start date: 23 Oct 04 Times (24hrs): Start 2330 End 0045

Condition of screening: Port Excellent Starboard ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

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

Type of material dredged: Silt Clay

Weather conditions: Clear sky

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): 17 SE

AIR TEMP: 77 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 76 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

Aft Screen Only

PORT SCREEN CONTENTS: whelk shells, clam & other bivalve shells, debris/grass, wire, rope, other trash, shell

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 name: Nathaniel Goddard Observer firm: REMSA, Inc

Observer signature: Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Fegan, Stuyvesant,

LOAD #: 181 LOAD start date: 24 Oct 04 Times (24hrs): Start 02 US End 03 00

Condition of screening: ~~Port~~ Excellent ~~Starboard~~ ____ Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Starboard deflector has a 15x shale in it bent on rotor chain

Type of material dredged: Silt, sand, clay

Weather conditions: Clear sky, breezy

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 S

AIR TEMP: 78 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 75 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

Aft Screen Only

PORT SCREEN CONTENTS: Hermit crab, horseshoe crab, a lot of shells, debris

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab 1

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer's name: Nathaniel Goddard Observer firm: REMSA, In

Observer signature Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07Sep04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Jean De Nul, Stuyvesant

LOAD #: 182 LOAD start date: 24Oct04 Times (24hrs): Start 0507 End 0546

Condition of screening: Port Excellent Starboard ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Starboard still has hughole in it

Type of material dredged: Sand, silt, clay

Weather conditions: Clear sky, breezy

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): 16 S

AIR TEMP: 77 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 75 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

Aft Screen Only

PORT SCREEN CONTENTS: shells, mow, grass, debris

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab ____

Blue crab ____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer name: Nathaniel Goddard Observer firm: REMSA, Inc

Observer signature: Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Ray channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Jean Stuyvesant

LOAD #: 183 LOAD start date: 24 Oct 04 Times (24hrs): Start ~~0503~~ End ~~0545~~

Condition of screening: Port 0641 ~~Starboard~~ 0739 Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD chain Size of dragheads: 15' x 16'

Draghead deflector? YES X NO ____ Condition of deflector: Large hole in Starboard deflector being repaired

Type of material dredged: Sand, Silt, Clay

Weather conditions: Clear Sky

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

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

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

Waves: 2 ft Wind (speed & direction): 9 SE

AIR TEMP: 78 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 75 °C/°F Bottom ___ °C/°F

SCREEN TYPE

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

Aft Screen Only

PORT SCREEN CONTENTS: horseshoe crab, stone crab, hermit crab, debris (Grass, shells, clay, trash)

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) 0
Shark (any species) 0
Horseshoe crab 1
Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer name: Nathaniel Godbee Observer firm: REMSA, Inc.

Observer signature: Nathaniel Godbee

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07Sep04

PROJECT NAME: Mobile Ray Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Jan. Stuyvesant

LOAD #: 184 LOAD start date: 24Oct04 Times (24hrs): Start 0859 End 0935

Condition of screening: Port Excellent Starboard ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Good

Type of material dredged: Sand silt clay

Weather conditions: Clear sky

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): 6 SE

AIR TEMP: 78 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface — °C/°F Column (mid-depth) 25 °C/°F Bottom — °C/°F

SCREEN TYPE

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

Aft Screen Only

PORT SCREEN CONTENTS: Calico crab, horseshoe crab, debris, Croaker

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab 1

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer name: Nathaniel Goddard Observer firm: REMSA, Inc

Observer signature: Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Regn. Stuyvesant

LOAD #: 185 LOAD start date: 24Oct04 Times (24hrs): Start 1059 End 1149

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Clay, grasses, shell material

Weather conditions: Sunny, but moderate 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: 5 ft Wind (speed & direction): SE

AIR TEMP: 83 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface — °C/°F Column (mid-depth) 75 °C/(°F) Bottom — °C/°F

SCREEN TYPE

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

Aft Screen Only

PORT SCREEN CONTENTS: Debris consistent w/ previous loads. No biological specimens noted.

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species)

Horseshoe crab

Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer's name: Gwendolyn Oberhoetzer Observer firm: REMSA, Inc

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Ray Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Jan. Stuyvesant

LOAD #: 186 LOAD start date: 24 OCT 04 Times (24hrs): Start 1304 End 1352

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15' x 16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Clay / Shell / Seagrass

Weather conditions: Sunny w/ hazy 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): SSE ~4 kts

AIR TEMP: 80.1 °C (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 75 °C (°F) Bottom ___ °C/°F

SCREEN TYPE

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

Aft Screen Only

PORT SCREEN CONTENTS: Clean of biological specimens. Full of debris consistent w/ previous loads.

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species)

Horseshoe crab

Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: After dumping - cleaned out material by hand w/ crew helps. Basket clean before 2.0.87 diff.

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

Observer name: Gwendolyn [illegible] Observer firm: REMSA, Inc

Observer signature: [illegible]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 05SEP04

PROJECT NAME: Mobile Ray Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Jean. Stuyvesant

LOAD #: 187 LOAD start date: 23 OCT 04 Times (24hrs): Start 1518 End 1612

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD CHAIN Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: Clay/Sargrass/Shell material

Weather conditions: Sunny, still hazy

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): SSE @ ~ 5KTS.

AIR TEMP: 80.4 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface — °C/°F Column (mid-depth) 25 °C/(F) Bottom — °C/°F

SCREEN TYPE X

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

Aft Screen Only

PORT SCREEN CONTENTS: Entire basket clogged w/ debris.

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species)

Shark (any species)

Horseshoe crab

Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Unknown seagrass species (Not Thalassia testudinum or Syringodium filiforme or Halophila) *Not possible to determine if only/just. app. was entrained under debris. Clay/shell material on aft after dosing

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

Observer name: GUGLIOLLI/ INFANTOSK Observer firm: REMSA, Inc

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL
CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07Sept04
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant
DREDGE FIRM: Fegan Stuyvesant

LOAD #: 188 LOAD start date: 24 OCT 04 Times (24hrs): Start 1732 End 1827

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'
Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Silt/Sand/Seagrass/Shell Material

Weather conditions: Sunny w/ ~70% Cloud cover

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): SSE @ ~8-10 KTS.

AIR TEMP: 78.4 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface — °C/°F Column (mid-depth) 75 °C/(°F) Bottom — °C/°F

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

Aft Screen Only

PORT SCREEN CONTENTS: Still alot of seagrass - not all live material

STARBOARD SCREEN CONTENTS: 2 Horseshoe Crab
1 Blue Crab

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer's name: GWENDOLYN OBERHOLTZER Observer firm: REMSA, Inc
Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL
CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07Sept04
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant
DREDGE FIRM: Fegn, Stuyvesant

LOAD #: 189 LOAD start date: 24 Oct 04 Times (24hrs): Start 1949 End 2044

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'
Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Sand/Clay/Seagrass

Weather conditions: Mildly cloudy evening.

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): SSE @ <5 kts

AIR TEMP: 78.6 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface — °C/°F Column (mid-depth) 75 °C/°F Bottom — °C/°F

SCREEN TYPE

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

Aft Screen Only

PORT SCREEN CONTENTS: Basket clogged w/ debris and seagrass — required flushing. Unsure if endg/prot species

STARBOARD SCREEN CONTENTS: were entrained under delfins.

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: GWENDOLYN OBERHOLTZER Observer firm: REMSA, Inc
Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Jean Stuyvesant

LOAD #: 190 LOAD start date: 24 OCT 04 Times (24hrs): Start 2204 End 2257

Condition of screening: Port good Starboard good Overflow n/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Silt / Sand / Seagrass / Shell

Weather conditions: Slightly overcast morning

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): SSE @ ~5 KTS.

AIR TEMP: 78.8 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface — °C/°F Column (mid-depth) 75 °C/(°F) Bottom — °C/°F

SCREEN TYPE

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

Aft Screen Only

PORT SCREEN CONTENTS: Basket filled with grass, debris, + shell material. Unable to monitor entire load contents due to clogging with debris, unable if threatened / endangered species entrained under debris load

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab 2

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer name: GWENDOLYN OBERHOLTZER Observer firm: REMSA, Inc

Observer signature: Gwendolyn Oberholtzer

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 191 LOAD start date: 25 Oct 04 Times (24hrs): Start 0024 End 0116

Condition of screening: Port Excellent ~~Starboard~~ ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Excellent

Type of material dredged: Sand, silt clay

Weather conditions: Clear sky

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: 1.5 ft Wind (speed & direction): 10 SE

AIR TEMP: 78 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 76 °C/°F Bottom N/A °C/°F

SCREEN TYPE

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

Aft Screen

PORT SCREEN CONTENTS: debris (grass, clay, shells, rope, netting, other trash) "unable to see entire screen contents due to excessive amounts of debris in basket, mainly shells (2ft high)"

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species)

Horseshoe crab

Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer's name: Nathaniel Goddard Observer firm: REMSA, INC

Observer signature: Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 192 LOAD start date: 25 Oct 04 Times (24hrs): Start 0257 End 0332

1 Screen Condition of screening: Port Excellent Starboard ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Excellent

Type of material dredged: Sand, silt clay

Weather conditions: Clear sky

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): 10 S

AIR TEMP: 78 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 76 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

1 Aft Screen

PORT SCREEN CONTENTS: Horseshoe crab, Atlantic stingray (Dasyatis sabina)

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) ____

Horseshoe crab 1

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer name: Nathaniel Goddard Observer firm: REMSA, INC

Observer signature: Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 193 LOAD start date: 25 Oct 04 Times (24hrs): Start 0451 End 0543

Condition of screening: Port Excellent ~~Starboard~~ ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

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

Type of material dredged: Sand, Silt, Clay

Weather conditions: Clear sky

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): 10 s

AIR TEMP: 78 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 26 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

Aft Screen

PORT SCREEN CONTENTS: debris

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab ____

Blue crab ____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer name: Nathaniel Godfrey Observer firm: REMSA, INC

Observer signature: Nathaniel Godfrey

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 194 LOAD start date: 25 Oct 04 Times (24hrs): Start 0757 End 0848

Condition of screening: ~~Port~~ Excellent ~~Starboard~~ ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Excellent

Type of material dredged: Sand, silt, clay

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): 4 s

AIR TEMP: 79 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 26 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: debris (same as previous hauls)
Too much shell & sand in screen to check entire contents
it filled up basket

Aft Screen

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: 2 100% Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Nathaniel Goddard Observer firm: REMSA INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 195 LOAD start date: 25 Oct 04 Times (24hrs): Start 1047 End 1121

Condition of screening: Port Excellent ~~Starboard~~ ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Excellent

Type of material dredged: Sand, silt, clay

Weather conditions: Clear sky, calm

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

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

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

Waves: 5 ft Wind (speed & direction): 6 W

AIR TEMP: 82 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 76 °C/°F Bottom ____ °C/°F

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

____ Overflow screening: None 25% 50% 75% 100%

____ Other screening: None 25% 50% 75% 100%

1 Aft Screen

PORT SCREEN CONTENTS: debris (same as previous hauls)

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species)

Horseshoe crab

Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer name: Nathaniel Goddard Observer firm: REMSA, INC

Observer signature Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 196 LOAD start date: 25 OCT 04 Times (24hrs): Start 1241 End 1331

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

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

Type of material dredged: Sand/Silt/Seagrass/Shell

Weather conditions: Sunny w/ ~60% cloud cover

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: ~5-7 ft Wind (speed & direction): W 0 ~ 4 kts.

AIR TEMP: 84.9 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 75 °C (F) Bottom ____ °C/°F

SCREEN TYPE

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

Combined int. 1 large Aft basket

PORT SCREEN CONTENTS: Silt and seagrass & debris consistent with previous loads. Entire basket was full upon entering so only able to clearly monitor top layer of material for biological specimens.

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab 1

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Dead horseshoe crab noted entangled in starboard deflector chain/cable. 1 live octopus on hopper catwalk → released overboard.

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

Observer name: GWENDOLYN DEECHOLTZER Observer firm: REMSA INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780YC0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 197 LOAD start date: 24 OCT 04 Times (24hrs): Start 1512 End 1532

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: Silt/Sand/Seagrass/Shells

Weather conditions: Sunny with ~60% cloudcover.

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): S @ ~8 KTS

AIR TEMP: 84.3 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface — °C/°F Column (mid-depth) 75 °C/°F Bottom — °C/°F

SCREEN TYPE

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

Combined into 1 Aft basket

PORT SCREEN CONTENTS: Debris consistent with previous loads.

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: Live Blotched Snake Eel on catwalk-released overboard. Dead Atlantic Cutlassfish entrained in port deflector chainmails.

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

Observer's name: GWENDOLYN OBERHOLTZER Observer firm: REMSA INC

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 **Maintenance** X /**New Work** ____ **PROJECT start date** 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening **DREDGE NAME:** Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 198 **LOAD start date:** 24 OCT 04 **Times (24hrs):** Start 1707 End 1812

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 **Type of dragheads used:** STD/Chain **Size of dragheads:** 15'x16'

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

Type of material dredged: Sand/Silt/Sergeas/Shell

Weather conditions: Sunny with ~40% cloudcover.

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):** SSW 2 ~ 2 kts.

AIR TEMP: 81.5 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 75 °C/(°F) Bottom ____ °C/°F

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

Overflow screening: None 25% 50% 75% 100%

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

Aft Basket Only

PORT SCREEN CONTENTS: Large clay balls + debris consistent with previous loads.

STARBOARD SCREEN CONTENTS: 2 large Horseshoe crabs

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab 2

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Moved to Assignment #10.

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

Observer Name: GWENDOLYN OBERHOLTZER **Observer firm:** REMSA INC

Observer signature:

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 199 LOAD start date: 24 OCT 04 Times (24hrs): Start 2008 End 2104

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: Silt/Clay/Sand

Weather conditions: Slightly cloudy evening.

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: .5-1 ft Wind (speed & direction): SSE @ ~6 kts

AIR TEMP: 83.5 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 75 °C/(F) Bottom ____ °C/°F

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

____ Overflow screening: None 25% 50% 75% 100%

____ Other screening: None 25% 50% 75% 100%

1 Aft Basket Only

PORT SCREEN CONTENTS: Large amount of clay clogging basket. Only able to clearly monitor top layer of material.

Biological specimens - 12 horseshoe crabs

STARBOARD SCREEN CONTENTS: 1 Atlantic stingray

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 12

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 2 9in. Hardhead Catfish & 2 12in. Sea trout egg. on catwalk.

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

Observer name: GWENDOLYN OBERHOLTZER Observer firm: REMSA INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 200 LOAD start date: 24 OCT 04 Times (24hrs): Start 2236 End 0020

Condition of screening: Port Excellent ~~Starboard~~ ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Excellent

Type of material dredged: Clay / Shell / Seagrass

Weather conditions: Slightly cloudy evening

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): SD ~ 5-7 KTS.

AIR TEMP: 79.8 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 75 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: 9 horseshoe Crabs, debris

STARBOARD SCREEN CONTENTS: ____

1 Aft Basket Only

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab 9

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer's name: GWEN OBERHOLTZER / Nathaniel Godfrey Observer firm: REMSA, INC

Observer signature: [signature] / Nathaniel Godfrey

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL PROJECT start date 07 Sept 04

CONTRACT #: W912780400045 Maintenance X /New Work ____ DREDGE NAME: Stuyvesant

PROJECT NAME: Mobile Bay Channel Deepening DREDGE FIRM: Bean Stuyvesant

LOAD #: 201 LOAD start date: 26 Oct 04 Times (24hrs): Start 0105 End 0155

Condition of screening: Port Excellent Starboard ~~[illegible]~~ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Excellent

Type of material dredged: Sand, silt

Weather conditions: Clear sky

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

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

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

Waves: .25 ft Wind (speed & direction): 1KtE

AIR TEMP: 78 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 76 °C/°F Bottom ____ °C/°F

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

____ Overflow screening: None 25% 50% 75% 100%

____ Other screening: None 25% 50% 75% 100%

Port Screen

PORT SCREEN CONTENTS: 6 horseshoe crabs, 1 hardhead catfish (Arius felis), debris

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0
Shark (any species) 0
Horseshoe crab 6
Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer name: Nathaniel Galpac Observer firm: REMSA, INC

Observer signature: Nathaniel Galpac

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL PROJECT start date 07 Sept 04

CONTRACT #: W912780400045 Maintenance X /New Work ____ DREDGE NAME: Stuyvesant

PROJECT NAME: Mobile Bay Channel Deepening DREDGE FIRM: Bean Stuyvesant

LOAD #: 202 LOAD start date: 26/oct/04 Times (24hrs): Start 0327 End 0416

Condition of screening: Port Excellent ~~Starboard~~ ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Excellent

Type of material dredged: Sand/silt

Weather conditions: Clear sky

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

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

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

Waves: <1 ft Wind (speed & direction): 7

AIR TEMP: 76 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 76 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: Shorseshoe crabs, 3 sand dollars debris

STARBOARD SCREEN CONTENTS: ____

Aft Screen

Estimate number entrained on this load for the following:

Sturgeon (any species) 0
Shark (any species) 0
Horseshoe crab 5
Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer firm: REMSA INC

Observer name: Nathaniel Godwin

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL PROJECT start date 07 Sept 04

CONTRACT #: W912780-4C0045 Maintenance X /New Work ____ DREDGE NAME: Stuyvesant

PROJECT NAME: Mobile Bay Channel Deepening DREDGE FIRM: Bean Stuyvesant

LOAD #: 203 LOAD start date: 26/oct/04 Times (24hrs): Start 0544 End 0638

Condition of screening: Port Excellent Starboard ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Excellent

Type of material dredged: Sand silt

Weather conditions: Clear sky

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

AIR TEMP: 79 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 76 °C/°F Bottom ____ °C/°F

SCREEN TYPE X

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

PORT SCREEN CONTENTS: hardhead catfish (Arius felis) 3 horseshoe crabs debris unable to see all contents of screen due to excessive amounts of sand

STARBOARD SCREEN CONTENTS:

After Screen

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) Ø

Horseshoe crab 3

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer name: Nathaniel Gaines Observer firm: REMSA INC

Observer signature: Nathaniel Gaines

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 204 LOAD start date: 26 Oct 04 Times (24hrs): Start 0804 End 0902

Condition of screening: Port Excellent Starboard ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Excellent

Type of material dredged: Sand, silt

Weather conditions: Clear Sky

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: 2.5 ft Wind (speed & direction): 3

AIR TEMP: 80 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 26 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

1 Aft Screen

PORT SCREEN CONTENTS: 1 Speckled worm eel (myrophis punctatus) 1 calico crab 4 horseshoe crabs, debris

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 4

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer's name: Nathaniel Goddard Observer firm: REMSA, INC

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780-4C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 205 LOAD start date: 26 Oct 04 Times (24hrs): Start 1103 End 1144

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: Sand, clay, debris

Weather conditions: Clear sky, some fog

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

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

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

Waves: .25 ft Wind (speed & direction): 2

AIR TEMP: 82 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface — °C/°F Column (mid-depth) 72 °C/°F Bottom — °C/°F

SCREEN TYPE X

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

1 Bucket

PORT SCREEN CONTENTS: Debris consistent w/ previous loads

STARBOARD SCREEN CONTENTS: 1 live horseshoe crab

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Began dredging in Assignment #11: 00+00 - 50+00 Lower Peninsula Channel. Note John Butcher informed Note he saw a dead sea turtle floating outside channel (W of) on way to dumpsite (Mobile Approx) - long distance from dredge

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

Observer Name: Nathaniel Goddard Observer firm: REMSA INC

Observer signature: [signature]

Finished by: GWENDOLYN OBERHOLTZER

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL
CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04
PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant
DREDGE FIRM: Bean Stuyvesant

LOAD #: 206 LOAD start date: 26 OCT 04 Times (24hrs): Start 1444 End 1528

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'
Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: Sand, silt, clay

Weather conditions: Sunny w/ moderate 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: .5-1 ft Wind (speed & direction): SSE @ 5 kts

AIR TEMP: 78.8 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface ____ °C/°F Column (mid-depth) 75 °C/(°F) Bottom ____ °C/°F

SCREEN TYPE

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

1 Aft Basket

PORT SCREEN CONTENTS: Large clay balls and wood debris. No biological specimens in basket.

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: Moved to Assignment 12: Red side 55+00 - 25+00, Green: 25+00 - 115+00. 1 small (1½') goby on catwalk.

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

Observer's name: Gwendolyn Verhoeter Observer firm: REMSA, INC
Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 208 LOAD start date: 26 OCT 04 Times (24hrs): Start 2039 End 2144

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: Clay/Sand

Weather conditions: Clear evening

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): SSE @ ~8-10 KTS.

AIR TEMP: 78.2 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 75 °C/(°F) Bottom ____ °C/°F

SCREEN TYPE

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

1 Aft Basket

PORT SCREEN CONTENTS: Clay and some debris. No biological specimens sorted.

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: 2 100% Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: GWENDOLYN OBERHOLTZER Observer firm: REMSA INC

Observer signature: Gwendolyn Oberholtzer

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 209 LOAD start date: 27 Oct 04 Times (24hrs): Start 0004 End 0045

Condition of screening: Port Excellent ~~Starboard~~ ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Excellent

Type of material dredged: Silt, Clay

Weather conditions: Clear Sky

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): 8 S

AIR TEMP: 78 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 76 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

1 9ft Screen

PORT SCREEN CONTENTS: debris (a lot of clay unable to see entire screen contents due to excessive amounts of clay ~1 ton of clay)

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: 2 100% Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Nathaniel Goddard Observer firm: REMSA, INC

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P804C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 210 LOAD start date: 27 oct 04 Times (24hrs): Start 0300 End 0341

Condition of screening: Port Excellent Starboard X Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Excellent

Type of material dredged: Silt, clay

Weather conditions: Clear sky

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): 6 E

AIR TEMP: 78 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 76 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: debris (screen backed up with so much clay unable to view entire 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: 2 100% Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Nathaniel Gallaway Observer firm: REMSA INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 211 LOAD start date: 27 Oct 04 Times (24hrs): Start 0610 End 0655

Condition of screening: Port Excellent ~~Starboard~~ ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Excellent

Type of material dredged: Silt, clay

Weather conditions: Clear Sky

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): 55

AIR TEMP: 78 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 76 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

1 Aft screen

PORT SCREEN CONTENTS: debris

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab ____

Blue crab ____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer's name: Nathaniel Goodard Observer firm: REMSA INC

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 212 LOAD start date: 27 Oct 04 Times (24hrs): Start 0957 End 1043

Condition of screening: Port ____ ~~Starboard~~ ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

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

Type of material dredged: Silt clay

Weather conditions: Clear Sky

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): @ ~5-7 KTS

AIR TEMP: 82.9 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 76 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: Shrimp eel (Ophichthus gomesi), 6 hardhead catfish (Arius felis) Cunkman Croakers, debris

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab ____

Blue crab ____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer's name: Nathaniel Goddard Observer firm: REMSA INC

Observer signature: Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 213 LOAD start date: 27 OCT 04 Times (24hrs): Start 1314 End 1356

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Sand/Clay/Silt

Weather conditions: Overcast/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): SSE @ ~5 kts

AIR TEMP: 84.5 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 76 °C/(°F) Bottom ___ °C/°F

SCREEN TYPE X

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

2 Aft Basket

PORT SCREEN CONTENTS: Basket filled with clay and wood debris to approximately waist level. Only able to clearly monitor surface of debris for protected/endangered species. Cannot be certain if none were entrained under debris.

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species)

Horseshoe crab

Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Hardhead catfish, gaby species, 1 snake eel spp.

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

Observer name: Gwendolyn Oberholtzer Observer firm: REMSA INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 **Maintenance** X **/New Work** ____ **PROJECT start date** 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening **DREDGE NAME:** Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 214 **LOAD start date:** 27 OCT 04 **Times (24hrs): Start** 1618 **End** 1702

Condition of screening: **Port** good **Starboard** good **Overflow** N/A

Number of dragheads in use: 2 **Type of dragheads used:** STD/Chain **Size of dragheads:** 15'x16'

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

Type of material dredged: Clay/Sand/Wood

Weather conditions: Sunny with light 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: .5 **ft** **Wind (speed & direction):** SSE @ ~5 KTS

AIR TEMP: 80.4 °C(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F **Column (mid-depth)** 76 °C(°F) **Bottom** ____ °C/°F

SCREEN TYPE X

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

PORT SCREEN CONTENTS: Small amount of clay bottom layer of bucket. No biological specimens noted.

1 Aft Bucket

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: A few hardhead catfish and goby spp. + 3 spotted worm eel on catwalk. Last load dump in Bayou Cadotte.

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

Observer's name: GWENDOLYN BRECHOLTZER **Observer firm:** REMSA INC

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 215 LOAD start date: 28 OCT 04 Times (24hrs): Start 2252 End ____

Condition of screening: Port Excellent Starboard ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Excellent

Type of material dredged: Silty clay

Weather conditions: clear sky, Lunar eclypse

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 5-6 KTS.

AIR TEMP: 77.1 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: 3 offshore tongue fish (symphurus civitatus), debris

1 Aft Basket

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: Moved back to Mobile Bay for this load. Dredging in Assignment #13 kp 855 +/- 915 +/-

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

Observer's name: Nathaniel Goddard Observer firm: REMSA INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P804C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 216 LOAD start date: 28 Oct 04 Times (24hrs): Start 0428 End 0505

Condition of screening: Port Excellent ~~Starboard~~ Excellent Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Excellent

Type of material dredged: Silt, clay

Weather conditions: Clear sky

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: .25 ft Wind (speed & direction): S N

AIR TEMP: 76 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: debris (grass, trash)

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: 2 100% Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Nathaniel Goddard Observer firm: REMSA INC

Observer signature: Nathan Padilla

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 217 LOAD start date: 28 Oct 04 Times (24hrs): Start 1022 End 1058

Condition of screening: Port good ~~Starboard~~ good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: Clay / Silt

Weather conditions: Sunny w/ moderate/overcast 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: .5 ft Wind (speed & direction): SSW @ 5 kts

AIR TEMP: 80.2 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 75.5 °C/(°F) Bottom ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: Clay and wood debris. No biological specimens noted in aft basket.

STARBOARD SCREEN CONTENTS: ____

1 Aft Basket only

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: Found decaying stingray (Atlantic?) in mid basket - disposed of in hopper.

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

Observer's name: Nathaniel Goldsand Observer firm: REMSA, INC

Observer signature: Nathaniel Goldsand

Load finished by: GWENDOLYN UBERHOLTZER

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 218 LOAD start date: 28 OCT 04 Times (24hrs): Start 1607 End 1650

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Silt/Clay

Weather conditions: Sunny with mild 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: .5 ft Wind (speed & direction): SSW @ 5-7 KTS

AIR TEMP: 80.7 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 75.5 °C/°F Bottom ___ °C/°F

SCREEN TYPE

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

Aft basket Only

PORT SCREEN CONTENTS: No biological specimens noted.

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: 2 100% Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: GWENDOLYN UBERHOLTZER Observer firm: REMSA, INC

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 **Maintenance** X **/New Work** ____ **PROJECT start date** 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening **DREDGE NAME:** Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 219 **LOAD start date:** 28 OCT 04 **Times (24hrs): Start** 2137 **End** 2224

Condition of screening: Port Excellent ~~Starboard~~ ____ **Overflow** N/A

Number of dragheads in use: 2 **Type of dragheads used:** STD/Chain **Size of dragheads:** 15'x16'

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

Type of material dredged: Clay/Silt

Weather conditions: Clear Evening

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):** SSE @ ~5-6 KTS

AIR TEMP: 80 **°C/(°F)** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ **°C/°F Column (mid-depth)** 75.5 **°C/(°F) Bottom** ____ **°C/°F**

SCREEN TYPE

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

Aft, port Only

PORT SCREEN CONTENTS: debris

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ **NO** X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer's name: Nathaniel Goddard **Observer firm:** REMSA INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780-4C0045 Maintenance X /New Work _____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 220 LOAD start date: 29 Oct 04 Times (24hrs): Start 0322 End 0412

Condition of screening: Port Excellent Starboard _____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15' x 16'

Draghead deflector? YES X NO ___ Condition of deflector: Excellent

Type of material dredged: Silt

Weather conditions: Clear sky

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): 6 SW

AIR TEMP: 75 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

Aft basket Only

PORT SCREEN CONTENTS: Unknown organic fish & Debris

STARBOARD SCREEN CONTENTS: _____

Estimate number entrained on this load for the following:

Sturgeon (any species) _____

Shark (any species) _____

Horseshoe crab _____

Blue crab _____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES _____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: _____

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

Observer name: Nathaniel Gadberry Observer firm: REMSA INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 221 LOAD start date: 29 Aug 04 Times (24hrs): Start 0922 End 1008

Condition of screening: Port good ~~Starboard~~ good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: Silt

Weather conditions: Clear Sky

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: 2.5 ft Wind (speed & direction): S SE

AIR TEMP: 80 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 75.5 °C/(°F) Bottom ____ °C/°F

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

____ Overflow screening: None 25% 50% 75% 100%

____ Other screening: None 25% 50% 75% 100%

Aft, wket Only

PORT SCREEN CONTENTS: No biological specimens noted in basket. Clear of debris.

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab ∅

Blue crab ____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 1 Small Hogchoker on catwalk

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

Observer name: Nathaniel Gaddard Observer firm: REMSA, INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 222 LOAD start date: 29 OCT 04 Times (24hrs): Start 1619 End 1640

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: Clay / Silt

Weather conditions: Sunny w/ mild haze, + ~5-10% cloudcover

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): SSE @ ~5 KTS

AIR TEMP: 85.2 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 75.5 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: Clay in basket to shoulder level. Only able to clearly monitor top layer of material. Cannot be certain protected/endangered species were not entrained under material.

STARBOARD SCREEN CONTENTS:

Aft basket Only

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: Began dredging in Assignment 14 (Kp 320+00 → 380+00).

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

Observer's name: Gwenwolyn Bergholtzer Observer firm: REMSA INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780-4C-0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 223 LOAD start date: 29 Oct 04 Times (24hrs): Start 2318 End 2339

Condition of screening: Port Excellent Starboard X Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: Excellent

Type of material dredged: Silt, clay

Weather conditions: Clear sky

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: .5 ft Wind (speed & direction): S

AIR TEMP: 77 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 74 °C (°F) Bottom ____ °C/°F

SCREEN TYPE

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

Aft, wet Only

PORT SCREEN CONTENTS: 2 offshore tonguefish (Symphurus Civitatus) debris

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab ____

Blue crab ____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer's name: Nathaniel Godfrey Observer firm: REMSA INC

Observer signature: Nathaniel Godfrey

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 224 LOAD start date: 30 Oct 04 Times (24hrs): Start 0620 End 0651

Condition of screening: Port Excellent ~~Starboard~~ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: Excellent

Type of material dredged: Silt, clay

Weather conditions: Clear Sky

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): 6

AIR TEMP: 73 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

Aft basket Only

PORT SCREEN CONTENTS: speckled worm eel, unknown tongue fish, blue crab debris (too much clay in haul unable to see entire basket)

STARBOARD SCREEN CONTENTS: ~~[illegible]~~

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab

Blue crab 1

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer's name: Nathaniel Goddard Observer firm: REMSA, INC

Observer signature Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 225 LOAD start date: 30 Oct 04 Times (24hrs): Start 1332 End 1400

Condition of screening: Port good ~~Starboard~~ good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: Clay/Silt

Weather conditions: Sunny, hazy with ~50% cloudcover

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): S @ ~2-3 KTS

AIR TEMP: 83.1 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 75.5 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

Mid* ~~Aft~~ basket Only

PORT SCREEN CONTENTS: Small amount of clay, debris, + wood. No biological specimens noted.

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: Began using mid-basket so repairs would be done on aft-basket.

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

Observer's name: GWENDOLYN OBERHOLTZER Observer firm: REMSA INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 **Maintenance** X **/New Work** ____ **PROJECT start date** 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening **DREDGE NAME:** Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 226 **LOAD start date:** 30 OCT 04 **Times (24hrs): Start** 2031 **End** 2100

Condition of screening: **Port** good **Starboard** good **Overflow** N/A

Number of dragheads in use: 2 **Type of dragheads used:** STD/Chain **Size of dragheads:** 15'x16'

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

Type of material dredged: Silt/Clay

Weather conditions: Clear evening w/ mild 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: .5 **ft** **Wind (speed & direction):** SW 1-4 KTS

AIR TEMP: 77.9 **°C/(°F)** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ **°C/°F** **Column (mid-depth)** 25.5 **°C/(°F)** **Bottom** ____ **°C/°F**

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

____ **Overflow screening:** None 25% 50% 75% 100%

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

MID* Basket Only

PORT SCREEN CONTENTS: debris

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species)

Shark (any species)

Horseshoe crab

Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ **NO** X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: * Began using mid-basket so repairs could be done on off basket. Requested repair of trap door to basket so material is retained.

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

Observer name: GWENDOLYN OBERHOLZER **Observer firm:** REMSA, INC

Observer signature: Gwendolyn Oberholzer

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 227 LOAD start date: 3 Oct 04 Times (24hrs): Start 2400 End ____

Condition of screening: ~~Port~~ Excellent ~~Starboard~~ ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: Excellent

Type of material dredged: Silt Clay

Weather conditions: Clear Sky

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: .25 ft Wind (speed & direction): SW

AIR TEMP: 27 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

Aft, port Only

PORT SCREEN CONTENTS: debris, clay

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer's name: Nathaniel Godden Observer firm: REMSA, INC

Observer signature: Nathaniel Godden

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 228 LOAD start date: 31 Oct 04 Times (24hrs): Start 1001 End 1033

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Silt / Clay

Weather conditions: Clear sky, calm

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

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

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

Waves: .25 ft Wind (speed & direction): 2 - S

AIR TEMP: 80 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 75.5 °C/(°F) Bottom ____ °C/°F

SCREEN TYPE X

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

1 Aft Basket Only

PORT SCREEN CONTENTS: No biological specimens noted - port

STARBOARD SCREEN CONTENTS: 1 Blue Crab

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 2

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Small Spotted Worm Eel, Tonguefish spp, 1 small Blue Crab, 1 small Atlantic Croaker, + 1 small Hogchoker on bagger catwalk. Using Aft basket for loading.

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

Observer name: GWENDOLYN OBERHOLTZER Observer firm: REMSA INC

Observer signature: Gwendolyn Oberholtzer

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 229 LOAD start date: 31 OCT 04 Times (24hrs): Start 1646 End 1714

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: Silt/Clay

Weather conditions: Sunny with ~30% cloudcover

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): S @ ~5-7 KTS

AIR TEMP: 78.6 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 75.5 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

1 Aft Basket Only

PORT SCREEN CONTENTS: Basket filled with clay to waist level. Only able to clearly monitor top layer of material for protected/endangered species.

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 1 Speckled worm eel, + 1 Snake Eel on eatwalk.

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

Observer's name: GWENDOLYN OBERHOLTZER Observer firm: REMSA INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912J804C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bar Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 230 LOAD start date: 31 OCT 04 Times (24hrs): Start 2335 End 2002

Condition of screening: ~~Port~~ Excellent ~~Starboard~~ ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Excellent

Type of material dredged: Silt / Clay

Weather conditions: Clear evening

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): SSE @ ~6 KTS

AIR TEMP: 76.8 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 75.5 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

1 Aft Basket Only

PORT SCREEN CONTENTS: Speckled wormed (Murphispunctatus), Silverperch (Bairdiella chrysoura) Spotfin tonguefish (Symphurus diomedianus), yellowfin menhaden (Brevoortia smithi) debris

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab ____

Blue crab ____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer's name: Nathaniel Goddard Observer firm: REMSA INC

Observer signature: Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 231 LOAD start date: 01 NOV 04 Times (24hrs): Start 0640 End 0709

Condition of screening: Port Excellent Starboard ____ Overflow N/A

1 Aft Screen

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Excellent

Type of material dredged: Silt, Clay

Weather conditions: Clear Sky, breezy

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

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

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

Waves: 1.5 ft Wind (speed & direction): 9SW

AIR TEMP: 77 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 75.5 °C/(°F) Bottom ____ °C/°F

SCREEN TYPE X

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

1 Aft Basket Only

PORT SCREEN CONTENTS: 3 unknown tongue fish, 4 speckled worm eel (Myrophis punctatus) 1 mantis shrimp, debris

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab ____

Blue crab ____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer name: Nathaniel Goddard Observer firm: REMSA, INC

Observer signature: Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780-4C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 232 LOAD start date: 01 Nov 04 Times (24hrs): Start ____ End ____

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: Silt / Clay

Weather conditions: Sunny, breezy with ~90% cloud cover

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): S @ 25 kts

AIR TEMP: 79.7 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 25.5 °C/(°F) Bottom ____ °C/°F

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

____ Overflow screening: None 25% 50% 75% 100%

____ Other screening: None 25% 50% 75% 100%

1 Aft, Basket Only

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: 2 100% Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer Name: Gwendolyn Oberholtzer Observer firm: REMSA, INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 233 LOAD start date: 01 NOV 04 Times (24hrs): Start 2032 End 2105

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: Silt / Clay

Weather conditions: Cloudy, rain/evening

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): S @ ~20 KTS

AIR TEMP: 78.0 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 75.5 °C/°F Bottom ____ °C/°F

SCREEN TYPE X

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

1 Aft Basket Only

PORT SCREEN CONTENTS: 1 tongue fish, debris

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab ____

Blue crab ____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer's name: GWENDOLYN OBERHOLTZER Observer firm: REMSA, INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 234 LOAD start date: 02 Nov 04 Times (24hrs): Start 0400 End 0438

Condition of screening: ~~Port~~ Good ~~Starboard~~ ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Good

Type of material dredged: Silt clay

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 N

AIR TEMP: 75 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 75.5 °C/(°F) Bottom ____ °C/°F

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

____ Overflow screening: None 25% 50% 75% 100%

____ Other screening: None 25% 50% 75% 100%

1 Aft Basket Only

PORT SCREEN CONTENTS: trash fish debris

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab ____

Blue crab ____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer Name: Nathaniel Gaddard Observer firm: REMSA INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780 4C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 235 LOAD start date: 02 NOV 04 Times (24hrs): Start 1123 End 1203

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Silt/Clay

Weather conditions: Sunny, but overcast with ~75% cloudcover

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): S 2 ~ 18-20 kts

AIR TEMP: 82.4 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 75.5 °C/°F Bottom ___ °C/°F

SCREEN TYPE

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

1 Aft Basket Only

PORT SCREEN CONTENTS: 1 Blue Crab

STARBOARD SCREEN CONTENTS: Clay and wood debris both sides

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab Ø

Blue crab 2

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 1 Speckled Worm Eel, 1 2" Atlantic Croaker, + 1 Blue Crab on hopper catwalk.

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

Observer's name: Gwendolyn Uhlholtzer Observer firm: REMSA INC

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 236 LOAD start date: 02 NOV 04 Times (24hrs): Start 1817 End 1846

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Silt / Clay

Weather conditions: Cloudy 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): S @ 15-17 KTS

AIR TEMP: 80.2 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 75.5 °C/(°F) Bottom ___ °C/°F

SCREEN TYPE X

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

1 Aft Basket Only

PORT SCREEN CONTENTS: Clay and wood debris only.

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: 2 small speckled worm eels and 1 tonguefish species.

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

Observer Name: GWENDOLYN OBERHOLTZER Observer firm: REMSA, INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 237 LOAD start date: 03 Nov 04 Times (24hrs): Start 0117 End 0143

Condition of screening: Port Good ~~Starboard~~ ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Good

Type of material dredged: Silt Clay

Weather conditions: ~~Partly~~ 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: 1.5 ft Wind (speed & direction): 9 W

AIR TEMP: 73 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

1 Aft Basket Only

PORT SCREEN CONTENTS: debris

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab ____

Blue crab ____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer name: Nathaniel Goddard Observer firm: REMSA, INC

Observer signature: Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 238 LOAD start date: 03 Nov 04 Times (24hrs): Start 0826 End 0854

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

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

Waves: 2 ft Wind (speed & direction): NE

AIR TEMP: 79 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 75.5 °C/(°F) Bottom ____ °C/°F

SCREEN TYPE X

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

1 Aft Basket Only

PORT SCREEN CONTENTS: Basket was full of clay - unable to view entire contents of load. Able to clearly view top layer of material.

STARBOARD SCREEN CONTENTS: ↓

Estimate number entrained on this load for the following:

Sturgeon (any species) 0
Shark (any species) 0
Horseshoe crab 0
Blue crab 1

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 1 small blue crab on hopper catwalk

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

Observer name: GWENDOLYN OBERHOLTZER Observer firm: REMSA, INC

Observer signature: Gwendolyn Oberholtzer

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780-4C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 239 LOAD start date: 03 NOV 04 Times (24hrs): Start 1530 End 1557

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Silt / Clay

Weather conditions: Overcast with rain showers.

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

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

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

Waves: ~2 ft Wind (speed & direction): S @ ~13 KTS

AIR TEMP: 77 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 75.5 °C/(°F) Bottom ___ °C/°F

SCREEN TYPE X

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

1 Aft Basket Only

PORT SCREEN CONTENTS: Clay and debris consistent with previous loads. No biological specimens noted in basket.

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 2 small Atlantic Croakers on catwalk.

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

Observer Name: GWENDOLYN OBERHOLTZER Observer firm: REMSA, INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 240 LOAD start date: 03 Nov 04 Times (24hrs): Start 2222 End 2250

Condition of screening: Port Good Starboard ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Good

Type of material dredged: Silt/Clay

Weather conditions: Rainy, windy evening

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

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

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

Waves: ~2 ft Wind (speed & direction): S @ ~13 kts

AIR TEMP: 75.7 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 75 °C/°F Bottom ____ °C/°F

SCREEN TYPE X

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

1 Aft Basket Only

PORT SCREEN CONTENTS: 26 lancecabs 3 speckled wormeels (Myrophis punctatus) 1 Yellowfin menhaden (Brevoortia smithi), 2 dabs

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0
Shark (any species)
Horseshoe crab
Blue crab 2

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer name: Nathaniel Godbold Observer firm: REMSA INC

Observer signature: Nathaniel Godbold

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 241 LOAD start date: 04 Nov 04 Times (24hrs): Start 0638 End 0705

Condition of screening: ~~Port~~ Good ~~Starboard~~ ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Good

Type of material dredged: Silt Clay

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: 1.5 ft Wind (speed & direction): 10 N

AIR TEMP: 66 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 73 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

1 Aft basket Only

PORT SCREEN CONTENTS: 6 Bluecrabs, 2 Silver perch (Bairdiella chrysoura) Speckled wormeel (myrophis punctatus)

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab

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: ____

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

Observer's name: Nathaniel Goddard Observer firm: REMSA, INC

Observer signature: Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P804C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 2412 LOAD start date: 04 NOV 04 Times (24hrs): Start 1336 End 1406

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Silt / Clay

Weather conditions: Sunny, ~5% cloudcover

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

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

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

Waves: .5-1 ft Wind (speed & direction): NNW @ ~15 KTS

AIR TEMP: 65.6 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 74.8 °C/(°F) Bottom ___ °C/°F

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

Overflow screening: None 25% 50% 75% 100%

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

1 Aft Basket Only

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

Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer name: GWENDOLYN UBERHOLZER Observer firm: REMSA INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 **Maintenance** X **/New Work** ____ **PROJECT start date** 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening **DREDGE NAME:** Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 243 **LOAD start date:** 04 NOV 04 **Times (24hrs): Start** 2038 **End** 2110

Condition of screening: **Port** good **Starboard** good **Overflow** N/A

Number of dragheads in use: 2 **Type of dragheads used:** STD/Chain **Size of dragheads:** 15'x16'

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

Type of material dredged: Silt/Clay

Weather conditions: Clear evening with ~~[illegible]~~ moderate 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: ~ 1 ft **Wind (speed & direction):** NNW @ ~ 16 KTS

AIR TEMP: 57.5 °C (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F **Column (mid-depth)** 74.5 °C (°F) **Bottom** ____ °C/°F

SCREEN TYPE X

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

! Aft basket Only

PORT SCREEN CONTENTS: tongue fish, debris

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ **NO** X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer Name: GWENDOLYN OSERHOLTZER **Observer firm:** REMSA, INC

Observer signature: Gwendolyn Oserholtzer

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 244 LOAD start date: 05 Nov 04 Times (24hrs): Start 0346 End 0416

Condition of screening: Port Good ~~Starboard~~ ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Good

Type of material dredged: Silt, Clay

Weather conditions: Clear sky breezy

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 N

AIR TEMP: 53 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

1 Aft Basket Only

PORT SCREEN CONTENTS: Hoschoaker, tongue fish, debris

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab ____

Blue crab ____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: An eastern phoebe (Sayornis phoebe) fell in the hopper water. It was rescued, cleaned dried rehabilitated and released

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

Observer's name: Nathaniel Goddard Observer firm: REMSA, INC

Observer signature: Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P804C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 245 LOAD start date: 05 NOV 04 Times (24hrs): Start 1101 End 1124

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: Silt / Clay

Weather conditions: Sunny, clear sky - 0% cloud cover

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

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

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

Waves: 1.5 ft Wind (speed & direction): 12 N

AIR TEMP: 60 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 71 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

1 Aft Basket Only

PORT SCREEN CONTENTS: No biological specimens - port

STARBOARD SCREEN CONTENTS: 1 Atlantic Stingray

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: 1 Tonguefish species + 1 Cusk Eel species on catwalk.

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

Observer name: Gwendolyn Overhalzer Observer firm: REMSA INC

Observer signature: Gwendolyn O

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 246 LOAD start date: 05 NOV 04 Times (24hrs): Start 1810 End 1841

Condition of screening: Port good Starboard good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: Silt/Clay

Weather conditions: Clear Evening

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

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

0 = <1 knot/ 0 ft
1 = 1- 3 knot/ 0.25 ft
2 = 4- 6 knot/ 0.5 ft
3 = 7-10 knot/ 2 ft
4 = 11-16 knot/ 4 ft
5 = 17-21 knot/ 6 ft
6 = 22-27 knot/10 ft
7 = 28-33 knot/14 ft
8 = 34-40 knot/18 ft
9 = 41-47 knot/23 ft
10 = 48-55 knot/29 ft
11 = 56-63 knot/37 ft
12 = >63 knot/15

Waves: ~1-2 ft Wind (speed & direction): NNW @ ~14-16 KTS

AIR TEMP: 63.6 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 71 °C/°F Bottom ___ °C/°F

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

Overflow screening: None 25% 50% 75% 100%

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

1 Aft Basket Only

PORT SCREEN CONTENTS: No biological specimens noted, however, basket was full of clay and difficult to monitor top layer of material.

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

Observer name: GWENDOLYN OBERHOLTZER Observer firm: REMSA INC

Observer signature: Gwendolyn Oberholtzer

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 247 LOAD start date: 05 Nov 04 Times (24hrs): Start 0119 End 0121

Condition of screening: Port Good Starboard ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Good

Type of material dredged: Silt, Clay

Weather conditions: Clear Sky, breezy

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: 1 ft Wind (speed & direction): 10 N

AIR TEMP: 56 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 71 °C/(°F) Bottom ____ °C/°F

SCREEN TYPE X

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

1 Aft Basket Only

PORT SCREEN CONTENTS: debris (Basket filled with clay, unable to see entire 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: 2 100% Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Nathaniel Goddard Observer firm: REMSA, INC

Observer signature: Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 248 LOAD start date: 06 Nov 04 Times (24hrs): Start 0826 End 0858

Condition of screening: Port Good ~~Starboard~~ ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Good

Type of material dredged: Silt, Clay

Weather conditions: Clear Sky

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

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

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

Waves: 5 ft Wind (speed & direction): 7N

AIR TEMP: 62 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface X °C/°F Column (mid-depth) 71 °C/°F Bottom X °C/°F

SCREEN TYPE X

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

1 Aft Basket Only

PORT SCREEN CONTENTS: debris, blue crab

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer's name: Nathaniel Goddard Observer firm: REMSA INC

Observer signature Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 249 LOAD start date: 06 NOV 04 Times (24hrs): Start 1533 End 1602

Condition of screening: Port Good Starboard ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Good

Type of material dredged: Silt, clay

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

Waves: <1 ft Wind (speed & direction): N @ 9kts

AIR TEMP: 77 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 71 °C/(°F) Bottom ____ °C/°F

SCREEN TYPE X

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

1 Aft Basket Only

PORT SCREEN CONTENTS: debris

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer name: ALLISON GRIFFIN Observer firm: REMSA INC

Observer signature Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 250 LOAD start date: 06NOV2004 Times (24hrs): Start 2239 End 2302

Condition of screening: Port Good Starboard ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Good

Type of material dredged: Silt clay

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): W @ 9kt

AIR TEMP: 60 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 71 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

1 Aft Basket Only

PORT SCREEN CONTENTS: Tongue of clay, debris (≈ 2 tons of clay, unable to see entire 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: 2 100% Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's name: Nathaniel Goddard Observer firm: REMSA, INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 251 LOAD start date: 7 Nov 04 Times (24hrs): Start 0548 End 0619

Condition of screening: Port ____ Starboard ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

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

Type of material dredged: Silt, Clay

Weather conditions: Clear sky

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

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

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

Waves: .5 ft Wind (speed & direction): 0 N

AIR TEMP: 60 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 70 °C/(°F) Bottom ____ °C/°F

SCREEN TYPE X

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

1 Aft Basket Only

PORT SCREEN CONTENTS: Speckled wormeel, debris

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer name: Nathaniel Godard Observer firm: REMSA, INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 252 LOAD start date: 7 Nov 04 Times (24hrs): Start 1231 End 1303

Condition of screening: Port ____ Starboard ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Good

Type of material dredged: Silt + clay

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): N@10kt

AIR TEMP: 73 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

1 Aft Basket Only

PORT SCREEN CONTENTS: debris + 1 worm eel

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species)

Horseshoe crab

Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer Name: ALLISON GRIFFIN Observer firm: REMSA, INC

Observer signature: Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 253 LOAD start date: 07 NOV 2004 Times (24hrs): Start 1931 End 2001

Condition of screening: Port Good Starboard Good Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Good

Type of material dredged: Silt + Clay

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

Waves: 2-1 ft Wind (speed & direction): E @ 10kt

AIR TEMP: 66 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 70 °C/(°F) Bottom ____ °C/°F

SCREEN TYPE X

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

1 Aft Basket Only

PORT SCREEN CONTENTS: Debris + 1 worm eel

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer Name: ALLISON GRIFFIN Observer firm: REMSA, INC

Observer signature: Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 254 LOAD start date: 08 Nov 04 Times (24hrs): Start 0224 End 0258

Condition of screening: ~~Port~~ Good ~~Starboard~~ ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Good

Type of material dredged: Silt, clay

Weather conditions: Clear Sky

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): 7 N

AIR TEMP: 65 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 71 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

1 Aft basket Only

PORT SCREEN CONTENTS: Speckled Wormeel, Violet goby

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

Observer's name: Nathaniel Goddard Observer firm: REMSA, INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 255 LOAD start date: 08 NOV 04 Times (24hrs): Start 0918 End 0949

Condition of screening: Aft Port GOOD Starboard ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: GOOD

Type of material dredged: Silt + clay

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

Waves: 2 ft Wind (speed & direction): 15 N

AIR TEMP: 68 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 71 °C/°F Bottom ____ °C/°F

SCREEN TYPE X

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

1 Aft Basket Only

PORT SCREEN CONTENTS: Ø

STARBOARD SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer Name: ALLISON GRIFFIN Observer firm: REMSA INC

Observer signature: Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening

DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 256 LOAD start date: 08NOV 2004 Times (24hrs): Start 1612 End 1640

Condition of screening: ~~Port~~ AFT Good ~~Starboard~~ ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Good

Type of material dredged: Silt + Clay

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

Waves: 1-2 ft Wind (speed & direction): N@ 16

AIR TEMP: 74.6 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 71 °C/(°F) Bottom ____ °C/°F

SCREEN TYPE X

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

1 Aft Basket Only

PORT SCREEN CONTENTS: Ø

STARBOARD SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: N/A

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

Observer name: ALLISON GRIFFIN Observer firm: REMSA INC

Observer signature: Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 257 LOAD start date: 08 NOV 2004 Times (24hrs): Start 2253 End 2323

Condition of screening: Port Good Starboard ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Good

Type of material dredged: Silt clay

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

Waves: 2 ft Wind (speed & direction): NNE @ 17-20 kt

AIR TEMP: 64 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE X

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

1 Aft Basket Only

PORT SCREEN CONTENTS: debris

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer firm: REMSA INC

Observer's name: ____

Observer signature ____

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 258 LOAD start date: 09 NOV 04 Times (24hrs): Start 0557 End 0627

Condition of screening: Port Good Starboard ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Good

Type of material dredged: Silt

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): 16 N

AIR TEMP: 54 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 68 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

1 Aft Basket Only

PORT SCREEN CONTENTS: Debris

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab ____

Blue crab ____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer name: Nathaniel Goddard Observer firm: REMSA INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 259 LOAD start date: 09 Nov 04 Times (24hrs): Start 1235 End 1305

Condition of screening: ~~Port~~ AFT GOOD Starboard ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: GOOD

Type of material dredged: CLAY, MUD + SILT

Weather conditions: ~~partly~~ 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: 1-2 ft Wind (speed & direction): NE @ 5

AIR TEMP: 74 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

1 Aft Basket Only

~~PORT SCREEN CONTENTS:~~ 2 wormeels on cat walk

~~STARBOARD SCREEN CONTENTS:~~

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species)

Horseshoe crab

Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO ____

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer's name: ALLISON GRIFFIN Observer firm: REMSA INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 260 LOAD start date: 09 NOV 2004 Times (24hrs): Start 1915 End 1946

Condition of screening: AFT ~~Port~~ GOOD Starboard ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: GOOD

Type of material dredged: MUD & CLAY

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): NE @ 8kt

AIR TEMP: 68 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 68 °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

1 Aft Basket Only

PORT SCREEN CONTENTS: 1 tongue fish & 1 menhayden on cat walk

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

Observer's name: ALLISON GRIFFIN Observer firm: REMSA INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 261 LOAD start date: 10 Nov 04 Times (24hrs): Start 0201 End 0230

Condition of screening: Port Good Starboard ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Good

Type of material dredged: Silt, clay

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

Waves: 3 ft Wind (speed & direction): 16

AIR TEMP: 60 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 64 °C/(°F) Bottom ____ °C/°F

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

____ Overflow screening: None 25% 50% 75% 100%

____ Other screening: None 25% 50% 75% 100%

1 Aft basket Only

PORT SCREEN CONTENTS: Tonghy fish, debris

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) ____

Horseshoe crab ____

Blue crab ____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer Name: Nathaniel Goddard Observer firm: REMSA INC

Observer signature: Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912P8-04-C-0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 262 LOAD start date: 10 Nov 04 Times (24hrs): Start 0846 End 0916

Condition of screening: ~~Port~~ AFT Good ~~Starboard~~ ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Good

Type of material dredged: Silt + clay

Weather conditions: OVERCAST & HAZY

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

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

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

Waves: 2 ft Wind (speed & direction): NW

AIR TEMP: 62 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 69 °C/°F Bottom ____ °C/°F

SCREEN TYPE X

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

1 Aft basket Only

PORT SCREEN CONTENTS: 0

STARBOARD SCREEN CONTENTS: 0

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer Name: ALLISON GRIFFIN Observer firm: REMSA INC

Observer signature: Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 263 LOAD start date: 10 NOV 2004 Times (24hrs): Start 1540 End 1610

Condition of screening: ~~Port~~ AFT GOOD Starboard NA Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: GOOD

Type of material dredged: MUD + CLAY

Weather conditions: OVERCAST, HAZY + 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): 10-12K East

AIR TEMP: 67 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

1 Aft Basket Only

PORT SCREEN CONTENTS: 1 Menhayden in Basket

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: 2 100% Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: ALLISON GRIFFIN Observer firm: REMSA INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 264 LOAD start date: 10 NOV 2004 Times (24hrs): Start 2230 End 2300

Condition of screening: Port Good Starboard ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Good

Type of material dredged: Silt, clay

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

Waves: 2-3 ft Wind (speed & direction): 10 @ E

AIR TEMP: 66 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

1 Aft basket Only

PORT SCREEN CONTENTS: debris

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer Name: Nathaniel Goddard Observer firm: REMSA INC

Observer signature: Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780-4C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 2616 LOAD start date: 11 NOV 2004 Times (24hrs): Start 1257 End 1329

Condition of screening: ~~Port~~ AFT Good ~~Starboard~~ ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Good

Type of material dredged: mud silt + clay

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

Waves: 2 ft Wind (speed & direction): NE @ 10kt

AIR TEMP: 71 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 69 °C/(°F) Bottom ____ °C/°F

SCREEN TYPE

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

1 Aft Basket Only

PORT SCREEN CONTENTS: 1 wormed on CATWALK

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: 2 100% Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: Allison Griffin Observer firm: REMSA INC

Observer signature: Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780-4C0045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 267 LOAD start date: 11 NOV 2004 Times (24hrs): Start 1934 End 2003

Condition of screening: ~~Port~~ AFT GOOD Starboard NA Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: GOOD

Type of material dredged: MUD SILT + CLAY

Weather conditions: MOSTLY CLOUDY W/ SCATTERED SHOWERS IN DISTANCE

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

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

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

Waves: 2 ft Wind (speed & direction): E @ 10KT

AIR TEMP: 68 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

1 Aft Basket Only

PORT SCREEN CONTENTS: 1 WORM EEL ON CATWALK

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) ____
Shark (any species) ____
Horseshoe crab ____
Blue crab 1 IN BASKET

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: 2 100% Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer Name: ALLISON GRIFFIN Observer firm: REMSA INC

Observer signature: Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07 Sept 04

PROJECT NAME: Mobile Bay Channel Deepening

DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 268 LOAD start date: 12 NOV 04 Times (24hrs): Start 0235 End 0307

Condition of screening: Port Good Starboard ____ Overflow N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Good

Type of material dredged: Silt

Weather conditions: Clear & Breezy

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): 15 N

AIR TEMP: 65 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 63 °C/°F Bottom ____ °C/°F

SCREEN TYPE X

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

1 Aft Basket Only

PORT SCREEN CONTENTS: Silver Perch, Speckled Worm eel

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species)

Horseshoe crab

Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer name: Nathaniel Goddard Observer firm: REMSA INC

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile AL

CONTRACT #: W912780400 45 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 269 LOAD start date: 15Nov2004 Times (24hrs): Start 1147 End 1212

Condition of screening: ~~Port~~ AFT Good Starboard N/A Overflow X N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: Good

Type of material dredged: mud & clay

Weather conditions: 10% cloud cover, 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: 2 ft Wind (speed & direction): S @ left

AIR TEMP: 64 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 65 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

1 Aft Basket Only

PORT SCREEN CONTENTS: 1 tongue fish on catwalk

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: 2 100% Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: ALLISON GRIFFIN Observer firm: REMSA, Inc.

Observer signature: Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile AL

CONTRACT #: W912780400 45 Maintenance X New Work ____ PROJECT start date 07Sep04

PROJECT NAME: Mobile bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 270 LOAD start date: 15NOV2004 Times (24hrs): Start 1822 End 1853

Condition of screening: ~~Port~~ AFT ____ ~~Starboard~~ ____ Overflow X N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

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

Type of material dredged: mud + clay

Weather conditions: clear w/ No 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: <1 ft Wind (speed & direction): Calm <1

AIR TEMP: 105 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

1 Aft Basket Only

PORT SCREEN CONTENTS: 1 tonguefish & 1 violetgoby on catwalk

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: 2 100% Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: ALLISON GRIFFIN Observer firm: REMSA, Inc.

Observer signature: Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile AL

CONTRACT #: W912780400 45 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 273 LOAD start date: 16 Nov 2004 Times (24hrs): Start 1455 End 1525

Condition of screening: ~~Port~~ AFT GOOD Starboard N/A Overflow ~~X~~ N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: GOOD

Type of material dredged: mud, silt + clay

Weather conditions: 10% Cloud Cover w/ little 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: <1 ft Wind (speed & direction): NO 1

AIR TEMP: 72 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

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

1 Aft Basket Only

PORT SCREEN CONTENTS: 2 tongue fish on catwalk + lots of DEBRIS IN BASKET

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species)

Horseshoe crab

Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer name: ALLISON GRIFFIN Observer firm: REMSA, Inc.

Observer signature: Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile AL

CONTRACT #: W912780400 45 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 274 LOAD start date: 16 NOV 2004 Times (24hrs): Start 2145 End 2209

Condition of screening: ~~Port~~ AFT _____ ~~Starboard~~ N/A _____ Overflow X N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ___ Condition of deflector: _____

Type of material dredged: _____

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: 2' ft Wind (speed & direction): NE @ 5kt

AIR TEMP: 65 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface / °C/°F Column (mid-depth) 65 °C/(F) Bottom / °C/°F

SCREEN TYPE

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

1 Aft Basket Only

PORT SCREEN CONTENTS: Debris

STARBOARD SCREEN CONTENTS: _____

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: _____

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

Observer name: ALLISON GRIFFIN Observer firm: REMSA, INC.

Observer signature: Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile AL

CONTRACT #: W912780400 45 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 275 LOAD start date: 11/17/04 Times (24hrs): Start 0442 End 0511

Condition of screening: Port 100 Starboard N/A Overflow X N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x10'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: clay/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: 1 ft Wind (speed & direction): 14 mph W

AIR TEMP: 61 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 65 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

1 Aft Basket Only

PORT SCREEN CONTENTS: debris

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer name: Richard Skelton Observer firm: REMSA, Inc.

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile AL

CONTRACT #: W912780400 45 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 276 LOAD start date: 11/17/04 Times (24hrs): Start 0823 End 1157

Condition of screening: Port 100 Starboard 100 Overflow X N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: silt/clay

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: 0.5 ft Wind (speed & direction): 6 kts S

AIR TEMP: 71 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 65 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

1 Aft Basket Only

PORT SCREEN CONTENTS: 2 tongue fish + 1 shrimp eel on catwalk

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 1 IN AFT BASKET

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer name: ALLISON GRIFFIN Observer firm: REMSA, Inc.

Observer signature: Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile AL

CONTRACT #: W912780400 45 Maintenance X /New Work ____ PROJECT start date 07Sep04

PROJECT NAME: Mobile bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 277 LOAD start date: 17 NOV 2004 Times (24hrs): Start 1741 End 1814

Condition of screening: ~~Port~~ AFT GOOD Starboard N/A Overflow ~~X~~ N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: GOOD

Type of material dredged: Mud & Silt W/ SOME CLAY

Weather conditions: MOSTLY CLEAR WITH A FEW SCATTERED CLOUDS ; WITH NO 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: 0 ft Wind (speed & direction): 0

AIR TEMP: 67 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface / °C/°F Column (mid-depth) 65 °C (°F) Bottom / °C/°F

SCREEN TYPE

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

1 Aft Basket Only

PORT SCREEN CONTENTS: 2 VIOLET GOBIES ~~ON~~ CAT WALK + 1 TONGUE FISH IN BASKET

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species)

Horseshoe crab

Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer Name: ALLISON GRIFFIN Observer firm: REMSA, Inc.

Observer signature: Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile AL

CONTRACT #: W912780400 45 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 278 LOAD start date: 11/18/04 Times (24hrs): Start 0005 End 0036

Condition of screening: ~~Port~~ AFT 100 Starboard ____ Overflow X N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: clay - silt

Weather conditions: SCATTERED CLOUDS (~20%)

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@5

AIR TEMP: 63 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface / °C/°F Column (mid-depth) 65 °C/°(F) Bottom / °C/°F

SCREEN TYPE

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

1 Aft Basket Only

PORT SCREEN CONTENTS: ~~Non~~ Clay, debris

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer's name: Richard Shelton Observer firm: REMSA, Inc.

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile AL

CONTRACT #: W912780400 45 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile bay channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 279 LOAD start date: 11/18/04 Times (24hrs): Start 0634 End 0704

Condition of screening: Port 100 Starboard 100 Overflow X N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: clay / 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 ft Wind (speed & direction): SW 10

AIR TEMP: 60 °C/F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface / °C/F Column (mid-depth) 65 °C/F Bottom / °C/F

SCREEN TYPE

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

1 Aft Basket Only

PORT SCREEN CONTENTS: clay, debris, blue crabs

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 2, both male, appx 3" from rostrum to hind, appx 6" across

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X → None visible ~80% probability of no turtle parts

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: large amount of clay ~4' deep throughout collection box - monitored dumping of clay for turtle parts - impossible to be sure none were present in this load

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

Observer name: Richard Shelton Observer firm: REMSA, Inc.

Observer signature

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile AL

CONTRACT #: W912780400 45 Maintenance X /New Work ____ PROJECT start date 07Sep04

PROJECT NAME: Mobile bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 280 LOAD start date: 18 NOV 2004 Times (24hrs): Start 1301 End 1330

Condition of screening: AFT Port GOOD Starboard ____ Overflow X N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: GOOD

Type of material dredged: CLAY + 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): ENE @ 8kt

AIR TEMP: 68 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

1 Aft Basket Only

PORT SCREEN CONTENTS: DEBRIS + CLAY BALLS

- 4 TONGUE FISH + 3 VIOLET GOBIES ON CATWALK

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: 2 100% Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer name: ALLISON GRIFFIN Observer firm: REMSA, Inc.

Observer signature: Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile AL

CONTRACT #: W912780400 45 Maintenance X /New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 281 LOAD start date: 18NOV2004 Times (24hrs): Start 1925 End 1958

Condition of screening: ~~Port~~ AFT GOOD Starboard ____ Overflow X N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: GOOD

Type of material dredged: CLAY + 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	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 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): E @ 8-10kt

AIR TEMP: 60s °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 60s °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

1 Aft Basket Only

PORT SCREEN CONTENTS: CLAY + DEBRIS

-2 TONGUE FISH ON CATWALK

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species)

Horseshoe crab

Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: LARGE BUILD UP OF CLAY IN BOX

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

Observer name: ALLISON GRIFFIN Observer firm: REMSA, INC.

Observer signature: Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Mobile AL

CONTRACT #: W912780400045 Maintenance X New Work ____ PROJECT start date 07Sept04

PROJECT NAME: Mobile bay Channel Deepening DREDGE NAME: Stuyvesant

DREDGE FIRM: Bean Stuyvesant

LOAD #: 278 LOAD start date: 11/18/04 Times (24hrs): Start 0005 End 0036

Condition of screening: ~~Port~~ AFT 10'0" Starboard ____ Overflow X N/A

Number of dragheads in use: 2 Type of dragheads used: STD/Chain Size of dragheads: 15'x16'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: clay - silt

Weather conditions: SCATTERED CLOUDS (~20%)

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 knots/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
(2 = 4- 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@5

AIR TEMP: 63 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 65 °C/(°F) Bottom ____ °C/°F

SCREEN TYPE

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

1 Aft Basket Only

PORT SCREEN CONTENTS: ~~None~~ Clay, debris

STARBOARD SCREEN CONTENTS: ____

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer name: Richard Stelfox Observer firm: REMSA Inc.

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912EB04C0045 **Maintenance** X **/New Work** ___ **PROJECT start date** 07 SEP 2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING, **DREDGE NAME:** STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 282 **LOAD start date:** 11/19/04 **Times (24hrs): Start** 0146 **End** 0219

Condition of screening: ~~Port~~ AFT 100 **Starboard** N/A **Overflow** N/A

Number of dragheads in use: 2 **Type of dragheads used:** STD/CHAIN **Size of dragheads:** 10' x 12'

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

Type of material dredged: clay - silt

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

AIR TEMP: 68 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F **Column (mid-depth)** 65 °C/(F) **Bottom** ___ °C/°F

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: clay, debris

~~STARBOARD SCREEN CONTENTS:~~ CATWALK:

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ **NO** X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer name: Richard Shelton **Observer firm:** REMSA, INC.

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912EP04C0095 **Maintenance** X **/New Work** ___ **PROJECT start date** 09SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING, **DREDGE NAME:** STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 283 **LOAD start date:** 11/19/04 **Times (24hrs): Start** 0818 **End** 0850

Condition of screening: ~~Port~~ AFT 100 **Starboard** N/A **Overflow** N/A

Number of dragheads in use: 2 **Type of dragheads used:** STD/CHAIN **Size of dragheads:** 10' x 10'

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

Type of material dredged: clay-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: 0.5 ft **Wind (speed & direction):** 3 kts E

AIR TEMP: 68 °C/F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/F **Column (mid-depth)** 65 °C/F **Bottom** ___ °C/F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: clay-debris

~~STARBOARD SCREEN CONTENTS:~~ CATWALK:

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ **NO** X → could not see under 3 feet of clay in basket

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer Name: Richard Shelton **Observer firm:** REMSA, INC.

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL
CONTRACT #: W912EB04C0045 **Maintenance** X **/New Work** ____ **PROJECT start date** 07SEP2004
PROJECT NAME: MOBILE BAY CHANNEL DEEPENING, **DREDGE NAME:** STUYVESANT
DREDGE FIRM: BEAN STUYVESANT

LOAD #: 284 **LOAD start date:** 19NOV2004 **Times (24hrs): Start** 1521 **End** 1549

Condition of screening: AFT **Port** GOOD **Starboard** N/A **Overflow** N/A

Number of dragheads in use: 2 **Type of dragheads used:** STD/CHAIN **Size of dragheads:** 10' x 10'
Draghead deflector? YES X **NO** ___ **Condition of deflector:** GOOD

Type of material dredged: MUD WITH SOME CLAY

Weather conditions: 10% Cloud cover WITH FOG (VIS ~2mi)

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@ [illegible]

AIR TEMP: 72 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface ___ °C/°F **Column (mid-depth)** ___ °C/(F) **Bottom** ___ °C/°F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS~~: AFT BASKET: DEBRIS

~~STARBOARD SCREEN CONTENTS:~~ CATWALK: 1 TONGUE FISH

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 name: ALLISON GRIFFIN **Observer firm:** REMSA, INC.
Observer signature Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780400045 **Maintenance** X **/New Work** _____ **PROJECT start date** 07 SEP 2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING **DREDGE NAME:** STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 285 **LOAD start date:** 19 NOV 2004 **Times (24hrs): Start** 2152 **End** 2224

Condition of screening: ~~Port~~ AFT 100 **Starboard** N/A **Overflow** N/A

Number of dragheads in use: 2 **Type of dragheads used:** STD / CHAIN **Size of dragheads:** 10' x 12'

Draghead deflector? YES ✓ **NO** ___ **Condition of deflector:** good

Type of material dredged: _____

Weather conditions: ~~Fog~~ PATCHY Visibility 1 1/2 mile WITH 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: 2.5 ft **Wind (speed & direction):** NW @ 2kt

AIR TEMP: 68 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F **Column (mid-depth)** 65 °C/(F) **Bottom** ___ °C/°F

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

Overflow screening: None 25% 50% 75% 100%

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

~~**PORT SCREEN CONTENTS:**~~ AFT BASKET: 1 blue crab, debris

~~**STARBOARD SCREEN CONTENTS:**~~ CAT WALK:

Estimate number entrained on this load for the following:

Sturgeon (any species) _____

Shark (any species) _____

Horseshoe crab _____

Blue crab 1 female - no eggs - appx 2.5" rostrum to tail / appx 5" across

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: ALLISON GRIFFIN **Observer firm:** REMSA, INC.

Observer signature: Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912EC04C0045 **Maintenance** X **/New Work** ____ **PROJECT start date** 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING **DREDGE NAME:** STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 286 **LOAD start date:** 10/20/04 **Times (24hrs): Start** 0424 **End** 0457

Condition of screening: ~~Port~~ AFT 100 **Starboard** N/A **Overflow** N/A

Number of dragheads in use: 2 **Type of dragheads used:** STD/CHAIN **Size of dragheads:** 10' x 12'

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

Type of material dredged: silt - clay

Weather conditions: overcast - 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: 0.5 ft **Wind (speed & direction):** 3mph N

AIR TEMP: 68 °C/F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/F **Column (mid-depth)** 65 °C/F **Bottom** ____ °C/F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS~~: AFT BASKET: clay - debris

~~STARBOARD SCREEN CONTENTS~~: CATWALK:

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ **NO** X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ____

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

Observer's name: Richard Skelton **Observer firm:** REMSA, INC.

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780-4C0045 **Maintenance** X **/New Work** ____ **PROJECT start date** 07 SEP 2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING **DREDGE NAME:** STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 287 **LOAD start date:** 20 NOV 2004 **Times (24hrs): Start** 1112 **End** 1142

Condition of screening: ~~Port~~ AFT GOOD **Starboard** N/A **Overflow** N/A

Number of dragheads in use: 2 **Type of dragheads used:** STD/CHAIN **Size of dragheads:** 10' x 12'

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

Type of material dredged: mud + clay

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: 2' ft **Wind (speed & direction):** 10 N

AIR TEMP: 67 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

~~PORT SCREEN CONTENTS~~: AFT BASKET: clay - debris

~~STARBOARD SCREEN CONTENTS~~: CATWALK:

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ **NO** X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer name: ALLISON GRIFFIN **Observer firm:** REMSA, INC.

Observer signature: Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780400045 Maintenance X /New Work _____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 288 LOAD start date: 20NOV2004 Times (24hrs): Start 1736 End 1806

Condition of screening : ~~Port~~ AFT GOOD Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ____ Condition of deflector: GOOD

Type of material dredged: MUD+SILT WITH A LITTLE CLAY

Weather conditions: PARTLY CLOUDY WITH 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 ft Wind (speed & direction): N @ 10

AIR TEMP: 66.0 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 65 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: Ø DEBRIS

~~STARBOARD SCREEN CONTENTS:~~

CATWALK: 2 shrimp EELS

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: ALLISON GRIFFIN Observer firm REMSA, INC.

Observer signature Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 289 LOAD start date: 10/21/04 Times (24hrs): Start 0018 End 0051

Condition of screening : ~~Port~~ AFT 100 Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: clay - 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: 0.5 ft Wind (speed & direction): 5 kts E

AIR TEMP: 71 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 65 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: clay - debris

~~STARBOARD SCREEN CONTENTS:~~

CATWALK: clay

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: large amount of clay in collection box - 3'-4' deep - box was not opened

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

Observer's name: Richard Shelton Observer firm REMSA, INC.

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912FB04C0045 Maintenance X /New Work ____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 290 LOAD start date: 10/21/04 Times (24hrs): Start 1036 End 1108

Condition of screening : ~~Port~~ AFT 100 Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: MUD WITH SOME CLAY

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: 0.25 ft Wind (speed & direction): 8 kts S

AIR TEMP: 78 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 66 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: DEBRIS - CLAY

~~STARBOARD SCREEN CONTENTS:~~

CATWALK: 1 Shrimp EEL + 2 TONGUE FISH

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: BASKET RINSED LONGER DUE TO ACCUMULATION OF CLAY

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

Observer's name: ALLISON GRIFFIN Observer firm REMSA, INC.

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780-4C0045 Maintenance X /New Work ____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 291 LOAD start date: 21NOV2004 Times (24hrs): Start 1707 End 1736

Condition of screening : ~~Port~~ AFT GOOD Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ___ Condition of deflector: GOOD

Type of material dredged: CLAY + SILT WITH SOME MUD

Weather conditions: PARTLY CLOUDY AND ~~[illegible]~~ CALM

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

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

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

Waves: ~1 ft Wind (speed & direction): ENE @ 10

AIR TEMP: 71 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/F Column (mid-depth) 68 °C/(F) Bottom ___ °C/F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: CLAY (UP TO TOP OF BASKET) AND DEBRIS

~~STARBOARD SCREEN CONTENTS:~~

CATWALK: Ø

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: BASKET WAS FLUSHED AND OPENED. CHECKED BASKET BEFORE AND AFTER FLUSHING. (DUE TO CLAY BUILDUP)

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

Observer's name: ALLISON GRIFFIN Observer firm REMSA, INC.

Observer signature Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912F804C0045 Maintenance X /New Work ____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 292 LOAD start date: 21 NOV 2004 Times (24hrs): Start 2336 End 0005

Condition of screening : ~~Port~~ AFT 100 Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: Clay - silt

Weather conditions: PARTLY CLOUDY AND 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: .25 ft Wind (speed & direction): NE @ 3kt

AIR TEMP: 70 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 68 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: Clay - debris

~~STARBOARD SCREEN CONTENTS:~~

CATWALK:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer's name: Allison Griffin / Richard Slater Observer firm REMSA, INC.

Observer signature: [illegible]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912FB04C0045 Maintenance X /New Work ____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 292 LOAD start date: 21 NOV 2004 Times (24hrs): Start 2336 End 0005

Condition of screening : ~~Port~~ AFT 100 Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: Clay - silt

Weather conditions: PARTLY CLOUDY AND 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: .25 ft Wind (speed & direction): NE@3kt

AIR TEMP: 70 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 68 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: Clay - debris

~~STARBOARD SCREEN CONTENTS:~~

CATWALK:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer's name: ALLISON GRIFFIN / Richard Shelton Observer firm REMSA, INC.

Observer signature: [illegible] / [illegible]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780-4C0045 Maintenance X /New Work _____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 293 LOAD start date: 10/22/04 Times (24hrs): Start 0601 End 0632

Condition of screening : ~~Port~~ AFT good Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: clay - 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: 0.25 ft Wind (speed & direction): 6 kph SE

AIR TEMP: 69 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 68 °C/(F) Bottom ___ °C/°F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: clay - debris

~~STARBOARD SCREEN CONTENTS:~~

CATWALK:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: opened collection box to flush a large amount of clay this load - monitored flushing - no apparent turtle parts present

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

Observer's name: Richard Shelton Observer firm REMSA, INC.

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780400045 Maintenance X /New Work _____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 294 LOAD start date: 22NOV2004 Times (24hrs): Start 1222 End 1250

Condition of screening : ~~Port~~ AFT GOOD Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

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: 2' ft Wind (speed & direction): SOUTH

AIR TEMP: 72 °C/F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: DEBRIS

~~STARBOARD SCREEN CONTENTS:~~

CATWALK: ~15 JUV. HARDHEAD CATFISH (~4-6in)

Estimate number entrained on this load for the following:

Sturgeon (any species) ___

Shark (any species) ___

Horseshoe crab ___

Blue crab 1 ON CATWALK

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: ALLISON GRIFFIN Observer firm REMSA, INC.

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 295 LOAD start date: 22 NOV 2004 Times (24hrs): Start 1835 End 1903

Condition of screening : ~~Port~~ AFT GOOD Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ____ Condition of deflector: GOOD

Type of material dredged: MUD, SILT AND SOME CLAY

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 ft Wind (speed & direction): NE @ 3kt

AIR TEMP: 72 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 68 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: DEBRIS AND ~1/2' CLAY

~~STARBOARD SCREEN CONTENTS:~~

CATWALK: 3 TONGUE FISH

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species) Ø

Horseshoe crab

Blue crab 2 IN BASKET

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: ALLISON GRIFFIN Observer firm REMSA, INC.

Observer signature Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780400045 Maintenance X /New Work _____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 296 LOAD start date: 11/23/04 Times (24hrs): Start 0102 End 0131

Condition of screening : ~~Port~~ AFT 100 Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: clay-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: 0.25 ft Wind (speed & direction): 5kts N

AIR TEMP: 71 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 65 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: clay · debris

~~STARBOARD SCREEN CONTENTS:~~

CATWALK:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Large amount of clay in collection box. - box not opened

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

Observer's name: Richard Skelton Observer firm REMSA, INC.

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780-4C0045 Maintenance X /New Work ____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 297 LOAD start date: 11/23/04 Times (24hrs): Start 0728 End 0756

Condition of screening : ~~Port~~ AFT 100 Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: clay - 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: 0.5 ft Wind (speed & direction): 8 kts S

AIR TEMP: 70 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/F Column (mid-depth) 65 °C/(F) Bottom ____ °C/F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: clay - misc. debris

~~STARBOARD SCREEN CONTENTS:~~

CATWALK:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Some clay - less than last load - box not opened

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

Observer's name: Richard Shelton Observer firm REMSA, INC.

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780-4C0045 Maintenance X /New Work ____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 298 LOAD start date: 23NOV2004 Times (24hrs): Start 1341 End 1413

Condition of screening.: ~~Port~~ AFT FAIR Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ____ Condition of deflector: GOOD

Type of material dredged: CLAY, MUD AND SILT

Weather conditions: 80% Cloud COVER; 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: 1 ft Wind (speed & direction): SSW @ 6

AIR TEMP: 80 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/F Column (mid-depth) 85 °C/(F) Bottom ____ °C/F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: ~3' OF CLAY IN MIDDLE OF BASKET AND DEBRIS

~~STARBOARD SCREEN CONTENTS:~~

CATWALK: 2 HARDHEAD CATFISH

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: * RT SIDE OF BASKET MISSING SECTION OF GRATING ~ 1½' x 4' BROUGHT TO ATTN OF CAPT. AND WILL BE REPAIRED IN AM.

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

Observer's name: ALLISON GRIFFIN Observer firm REMSA, INC.

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 299 LOAD start date: 23NOV2004 Times (24hrs): Start 2015 End 2051

Condition of screening : ~~Port~~ AFT FAIR Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ____ Condition of deflector: GOOD

Type of material dredged: CLAY AND DEBRIS

Weather conditions: PARTLY CLOUDY REL. HUMIDITY 90%

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): SE @ 13

AIR TEMP: 72 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: CLAY AND DEBIS (FILLING BASKET)

~~STARBOARD SCREEN CONTENTS:~~

CATWALK: 1 SNAKE EEL AND 1 TONGUE FISH

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species)

Horseshoe crab

Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: BASKET WILL BE EMPTIED AFTER NEXT LD.

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

Observer's name: ALLISON GRIFFIN Observer firm REMSA, INC.

Observer signature Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 300 LOAD start date: 11/24/04 Times (24hrs): Start 0252 End 0319

Condition of screening : ~~Port~~ AFT 90% Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ____ Condition of deflector: good

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

Waves: 0.5 ft Wind (speed & direction): 19 kpt S

AIR TEMP: 73 °C/F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/F Column (mid-depth) 66 °C/F Bottom ____ °C/F

SCREEN TYPE

X	Inflow screening:	None	25%	50%	75%	100% (90%)
____	Overflow screening:	None	25%	50%	75%	100%
____	Other screening:	None	25%	50%	75%	100%

~~PORT SCREEN CONTENTS:~~ AFT BASKET: clay-debris

~~STARBOARD SCREEN CONTENTS:~~

CATWALK:

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Small section of collection box missing - approx. 8" X 36" opened collection box and flushed out approx. 2' of clay. Informed captain 0645 hrs

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

Observer's name: Richard Shelton Observer firm REMSA, INC.

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780-4C0045 Maintenance X /New Work ____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 301 LOAD start date: 11/24/04 Times (24hrs): Start 0918 End 0947

Condition of screening : ~~Port~~ AFT 90 % Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: clay-silt

Weather conditions: overcast · light 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: 1.0 ft Wind (speed & direction): 9 kts SE

AIR TEMP: 67 °C/F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/F Column (mid-depth) 65 °C/F Bottom ____ °C/F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: ~2' OF CLAY AND LOTS OF WOOD

~~STARBOARD SCREEN CONTENTS:~~

CATWALK: 2 TONGUE FISH

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: SECTION OF COLL. BOX STILL MISSING

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

Observer's name: ALLISON GRIFFIN Observer firm REMSA, INC.

Observer signature Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 302 LOAD start date: 24NOV2004 Times (24hrs): Start 1531 End 1607

Condition of screening : ~~Port~~ AFT GOOD Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ____ Condition of deflector: GOOD

Type of material dredged: MUD AND SILT WITH SOME CLAY

Weather conditions: 20% CLOUD COVER AND 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): W@ 16

AIR TEMP: 72 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 68 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: Ø

~~STARBOARD SCREEN CONTENTS:~~ CATWALK: Ø

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species)

Horseshoe crab

Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: GRATING ON BOX REPAIRED B/TWN LAST LD AND THIS LD ; IN NEW ASSIGN AREA

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

Observer's name: ALLISON GRIFFIN Observer firm REMSA, INC.

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 303 LOAD start date: 24NOV 2004 Times (24hrs): Start 2204 End 2234

Condition of screening : ~~Port~~ AFT 100 Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: MUD AND SILT

Weather conditions: 90% CLOUD COVER AND WINDY ; 109% REL. HUMIDITY

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 @ 15-17kt

AIR TEMP: 60 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 65 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: clay - debris

~~STARBOARD SCREEN CONTENTS:~~

CATWALK:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer's name: ALLISON GRIFFIN Observer firm REMSA, INC.

Observer signature Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 304 LOAD start date: 11/25/04 Times (24hrs): Start 0423 End 0451

Condition of screening : ~~Port~~ AFT 100 Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: clay - 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): 15 N

AIR TEMP: 53 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C / F Column (mid-depth) 65 °C / (F) Bottom ____ °C / F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: clay - debris

~~STARBOARD SCREEN CONTENTS:~~

CATWALK:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Large amount of clay in box - box opend and flushed out - monitored for turtle parts

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

Observer's name: Richard Shelton Observer firm REMSA, INC.

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780-4C-0045 Maintenance X /New Work _____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 305 LOAD start date: 11/25/04 Times (24hrs): Start 1041 End 1112

Condition of screening : ~~Port~~ AFT GOOD Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ___ Condition of deflector: GOOD

Type of material dredged: CLAY AND MUD

Weather conditions: C/C4C

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 ft Wind (speed & direction): 13 kts NE

AIR TEMP: 52 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 66 °C/(F) Bottom ___ °C/°F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: FILLED WITH CLAY

~~STARBOARD SCREEN CONTENTS:~~

CATWALK: Ø

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species)

Horseshoe crab

Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: CLAY DUMPED AFTER CHECKING BOX.

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

Observer's name: ALLISON GRIFFIN Observer firm REMSA, INC.

Observer signature: Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780-4C0045 Maintenance X /New Work ____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 3016 LOAD start date: 25NOV2004 Times (24hrs): Start 1700 End 1730

Condition of screening : ~~Port~~ AFT GOOD Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ____ Condition of deflector: GOOD

Type of material dredged: CLAY

Weather conditions: Clear AND 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): NW @ 15

AIR TEMP: 55 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 66 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: CLAY AND DEBRIS

~~STARBOARD SCREEN CONTENTS:~~

CATWALK: Ø

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species)

Horseshoe crab

Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: BASKET FILLED TO TOP WITH CLAY. BASKET OPENED AND DUMPED.

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

Observer's name: ALLISON GRIFFIN Observer firm REMSA, INC.

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 307 LOAD start date: 25NOV2004 Times (24hrs): Start 2317 End 2348

Condition of screening : ~~Port~~ AFT 100 Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: clay - silt

Weather conditions: CLEAR AND WINDY AND COLD. 67% REL. HUM.

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 @ 12-14

AIR TEMP: 49 °C/F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/F Column (mid-depth) 66 °C/F Bottom ____ °C/F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: clay - debris

~~STARBOARD SCREEN CONTENTS:~~

CATWALK:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: large amount of clay in collection box - flushed box

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

Observer's name: ALLISON GRIFFIN / Richard Shelton Observer firm REMSA, INC.

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780-4C0045 Maintenance X /New Work _____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 308 LOAD start date: 10/26/04 Times (24hrs): Start 0537 End 0607

Condition of screening : ~~Port~~ AFT 100 Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: clay - 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: 0.5 ft Wind (speed & direction): 8 kts E

AIR TEMP: 49 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 66 °C/(F) Bottom ___ °C/°F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: clay - debris

~~STARBOARD SCREEN CONTENTS:~~

CATWALK:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer's name: Richard Shelton Observer firm REMSA, INC.

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780-4C0045 Maintenance X /New Work ____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 309 LOAD start date: 10/26/04 Times (24hrs): Start 1148 End 1227

Condition of screening : ~~Port~~ AFT GOOD Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ___ Condition of deflector: GOOD

Type of material dredged: CLAY AND MUD MIXED WITH MISC DEBRIS

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: 0.5 ft Wind (speed & direction): 7kts E

AIR TEMP: 56 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 62 °C/(F) Bottom ___ °C/°F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: CLAY AND DEBRIS

~~STARBOARD SCREEN CONTENTS:~~

CATWALK: 1 TONGUE FISH

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: LARGE BUILD UP OF CLAY IN BASKET; BASKET OPENED AND CONTENTS DUMPED; MONITORED DUMPING AND INSPECTED BASKET BEFORE AND AFTER DUMPING

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

Observer's name: ALLISON GRIFFIN Observer firm REMSA, INC.

Observer signature: Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 310 LOAD start date: 26NOV2004 Times (24hrs): Start 1834 End 1906

Condition of screening : ~~Port~~ AFT GOOD Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ____ Condition of deflector: GOOD

Type of material dredged: CLAY AND MUD

Weather conditions: PARTLY CLOUDY (10-15%), COOL AND WINDY 72% REL. HUM.

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 @ 10-15KT.

AIR TEMP: 57 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/F Column (mid-depth) 65 °C/(F) Bottom ____ °C/F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: FILLED WITH CLAY

~~STARBOARD SCREEN CONTENTS:~~ CATWALK: N/A

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: BASKET FILLED WITH CLAY - MONITORED AND INSPECTED BEFORE, DURING AND AFTER DUMPING.

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

Observer's name: ALLISON GRIFFIN Observer firm REMSA, INC.

Observer signature Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912FB04C0045 Maintenance X /New Work ____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 311 LOAD start date: 11/27/04 Times (24hrs): Start 0053 End 0122

Condition of screening : ~~Port~~ AFT 100 Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: clay - 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): 20 kn S

AIR TEMP: 63 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 64 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: clay - debris

~~STARBOARD SCREEN CONTENTS:~~

CATWALK:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer's name: Richard Shelton Observer firm REMSA, INC.

Observer signature

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780-4C0045 Maintenance X /New Work _____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 312 LOAD start date: 11/27/04 Times (24hrs): Start 0718 End 0749

Condition of screening : ~~Port~~ AFT 100 Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: clay

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: 2 ft Wind (speed & direction): 23 kts SSE

AIR TEMP: 66 °C/F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/F Column (mid-depth) 64 °C/F Bottom ___ °C/F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: clay - debris

~~STARBOARD SCREEN CONTENTS:~~

CATWALK:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer's name: Richard Shelton Observer firm REMSA, INC.

Observer signature

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780-4C0045 Maintenance X /New Work ____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 313 LOAD start date: 27NOV2004 Times (24hrs): Start 1346 End 1420

Condition of screening : ~~Port~~ AFT GOOD Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ____ Condition of deflector: GOOD

Type of material dredged: CLAY MUD AND DEBRIS

Weather conditions: MOSTLY CLOUDY (75%) 74% REL. HUM.

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 KT

AIR TEMP: 70 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: CLAY AND DEBRIS

~~STARBOARD SCREEN CONTENTS:~~

CATWALK: 1 SHRIMP EEL

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species)

Horseshoe crab

Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: DUMPED BASKET DUE TO AMT. OF CLAY

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

Observer's name: ALISON GRIFFIN Observer firm REMSA, INC.

Observer signature: Alison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 314 LOAD start date: 27NOV2004 Times (24hrs): Start 2019 End 2055

Condition of screening : ~~Port~~ AFT GOOD Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ____ Condition of deflector: GOOD

Type of material dredged: MUD WITH A LITTLE CLAY AND DEBRIS

Weather conditions: CLEAR 67% REL. HUM.

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): NNW @ 10

AIR TEMP: 62 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/F Column (mid-depth) 66 °C/(F) Bottom ____ °C/F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: DEBRIS AND A LITTLE CLAY ~6inches

~~STARBOARD SCREEN CONTENTS:~~

CATWALK: 2 SHRIMP EELS

Estimate number entrained on this load for the following:

Sturgeon (any species) ____

Shark (any species) Ø

Horseshoe crab ____

Blue crab 1 IN BASKET

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: ALLISON GRIFFIN Observer firm REMSA, INC.

Observer signature Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780-4C0045 Maintenance X /New Work ____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 315 LOAD start date: 11/28/04 Times (24hrs): Start 0234 End 0303

Condition of screening : ~~Port~~ AFT 100 Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: clay - 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: 1 ft Wind (speed & direction): 18 kts N

AIR TEMP: 53 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C / F Column (mid-depth) 64 °C / (F) Bottom ____ °C / F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: clay - debris

~~STARBOARD SCREEN CONTENTS:~~

CATWALK:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: large amount of clay - opened and flushed box

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

Observer's name: Richard Shelton Observer firm REMSA, INC.

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780400045 Maintenance X /New Work _____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 316 LOAD start date: 11/28/04 Times (24hrs): Start 0853 End 0922

Condition of screening : ~~Port~~ AFT GOOD Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: CLAY, MUD AND DEBRIS

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): 19 kts N

AIR TEMP: 57 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) 64 °C/(F) Bottom ___ °C/°F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: CLAY

~~STARBOARD SCREEN CONTENTS:~~

CATWALK: 3 TONGUE FISH

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø

Shark (any species)

Horseshoe crab

Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: BASKET OPENED TO DUMP CLAY

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

Observer's name: ALLISON GRIFFIN Observer firm REMSA, INC.

Observer signature Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W9127804C0045 Maintenance X /New Work ____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 317 LOAD start date: 28NOV2004 Times (24hrs): Start 1500 End 1529

Condition of screening : ~~Port~~ AFT GOOD Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ____ Condition of deflector: GOOD

Type of material dredged: CLAY, MUD AND DEBRIS

Weather conditions: Clear & cool

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 69

AIR TEMP: 66 °C/**F** (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET:

~~STARBOARD SCREEN CONTENTS:~~

CATWALK:

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: SUPERFLUSH DONE BEFORE INSPECTING TO WASH OUT CLAY FROM BASKET

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

Observer's name: ALLISON GRIFFIN Observer firm REMSA, INC.

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912378040045 Maintenance X /New Work ____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 318 LOAD start date: 28NOV2004 Times (24hrs): Start 2120 End 2154

Condition of screening : ~~Port~~ AFT 100 Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: clay - silt

Weather conditions: CLEAR AND COOL 105% REL. HUM. ; NEARLY FULL MOON

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 @ 8-10kt

AIR TEMP: 58 °C/F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/F Column (mid-depth) 64 °C/F Bottom ____ °C/F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: clay - debris

~~STARBOARD SCREEN CONTENTS:~~

CATWALK:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer's name: ALLISON GRIFFIN / Richard Shelton Observer firm REMSA, INC.

Observer signature Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780-4C0045 Maintenance X /New Work _____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 319 LOAD start date: 11/29/04 Times (24hrs): Start 0344 End 0413

Condition of screening : ~~Port~~ AFT 100 Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ___ Condition of deflector: good

Type of material dredged: clay - 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): 12 kts E

AIR TEMP: 56 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/F Column (mid-depth) 64 °C/(F) Bottom ___ °C/F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: clay, debris

~~STARBOARD SCREEN CONTENTS:~~

CATWALK:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: large amount of clay in box - flushed box

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

Observer's name: Richard Shelton Observer firm REMSA, INC.

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780-4C0045 Maintenance X /New Work ____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 320 LOAD start date: 29NOV 2004 Times (24hrs): Start 1002 End 1030

Condition of screening : ~~Port~~ AFT GOOD Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ____ Condition of deflector: GOOD

Type of material dredged: CLAY, MUD AND DEBRIS

Weather conditions: MOSTLY CLOUDY (90%) 76% REL. HUMIDITY

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): NNE @ 17

AIR TEMP: 59 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 63 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: CLAY AND DEBRIS (~1' deep)

~~STARBOARD SCREEN CONTENTS:~~

CATWALK: 1 VIOLET GOBY, 1 JUVY CATFISH, 3 SILVER PERCH

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: ALLISON GRIFFIN Observer firm REMSA, INC.

Observer signature Allison Griffin

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780-4C0045 Maintenance X /New Work ____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 321 LOAD start date: 11/29/04 Times (24hrs): Start 0618 End 0698

Condition of screening : ~~Port~~ AFT 90% - see comments Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: clay - 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): 11 Kts E

AIR TEMP: 65 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ____ °C/°F Column (mid-depth) 63 °C/(F) Bottom ____ °C/°F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET:

~~STARBOARD SCREEN CONTENTS:~~

CATWALK:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Door left open on previous load.

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

Observer's name: Richard Shelton Observer firm REMSA, INC.

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: MOBILE, AL

CONTRACT #: W912780400045 Maintenance X /New Work ____ PROJECT start date 07SEP2004

PROJECT NAME: MOBILE BAY CHANNEL DEEPENING DREDGE NAME: STUYVESANT

DREDGE FIRM: BEAN STUYVESANT

LOAD #: 322 LOAD start date: 11/29/04 Times (24hrs): Start 2245 End 2315

Condition of screening : ~~Port~~ AFT 100 Starboard NA Overflow NA

Number of dragheads in use: 2 Type of dragheads used: STD/CHAIN Size of dragheads: 10' X 12'

Draghead deflector? YES X NO ____ Condition of deflector: good

Type of material dredged: clay - 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): 12kts E

AIR TEMP: 64 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface — °C / °F Column (mid-depth) 63 °C / (F) Bottom — °C / °F

SCREEN TYPE

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

~~PORT SCREEN CONTENTS:~~ AFT BASKET: clay - debris

~~STARBOARD SCREEN CONTENTS:~~

CATWALK:

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 0

Blue crab 0

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

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

Observer's name: Richard Shelton Observer firm REMSA, INC.

Observer signature